

Event Listing With All Reported Cause Codes

December 01, 2001 00:00 - January 01, 2002 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 1								
0007	RS	09/17/2001 15:56	01/01/2002 00:00	744.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 2								
0007	RS	09/17/2001 15:19	01/01/2002 00:00	744.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 3								
0006	RS	09/17/2001 14:35	01/01/2002 00:00	744.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 4								
0007	PO	11/03/2001 00:00	12/09/2001 20:00	212.00	100.00	16,536.00	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED BOILER OUTAGE.
0008	RS	12/09/2001 20:00	01/01/2002 00:00	532.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 5								
0016	PO	11/05/2001 00:00	12/16/2001 00:00	360.00	100.00	28,800.00	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED BOILER OUTAGE
0017	RS	12/16/2001 00:00	12/21/2001 03:39	123.65	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0018	RS	12/21/2001 10:59	01/01/2002 00:00	253.02	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
Crist 6								
0066	D2	12/14/2001 12:15	12/14/2001 14:23	2.13	57.62	371.20	3211	CIRCULATING WATER PUMP MOTORS; SHUT DOWN 6-A CIRCULATING WATER PUMP TO CHECK MOTOR BEARING .
0067	NC	12/20/2001 00:45	12/20/2001 08:00	7.25	0.00	0.00	0250	PULVERIZER FEEDERS; 6-D FEEDER OUT OF SERVICE TO REMOVE FOREIGN OBJECT FROM FEEDER.

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Crist 7								
0057	NC	12/18/2001 10:04	12/18/2001 14:00	3.93	0.00	0.00	0310	PULVERIZER MILLS; REMOVED 7-F MILL FROM SERVICE TO REMOVE METAL FROM MILL, AND INSPECT.
0058	D1	12/21/2001 08:00	12/22/2001 17:30	33.50	10.69	1,708.50	0310	PULVERIZER MILLS; REMOVED 7-F MILL FROM SERVICE TO REPAIR.
Scholz 1								
0015	PO	11/17/2001 00:00	12/30/2001 00:00	696.00	100.00	32,016.00	1340	TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REPLACING NORTH AND SOUTH SIDES OF LOWER WATERWALL TUBES AND HEADERS.
0016	RS	12/30/2001 00:00	01/01/2002 00:00	48.00	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
Scholz 2								
0014	RS	11/21/2001 13:15	01/01/2002 00:00	744.00	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
Smith 1								
0029	NC	12/26/2001 15:20	12/26/2001 17:02	1.70	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; 1C MILL - CONTRACTOR WASHING MILL MOTOR - PHASE 1 LONG INSTANTANEOUS TARGET
Smith 2								
0017	RS	12/18/2001 10:57	12/26/2001 01:55	182.97	0.00	0.00	0000	RESERVE SHUTDOWN
Smith A								
0055	RS	11/28/2001 10:29	12/06/2001 16:31	136.52	0.00	0.00	0000	RESERVE SHUTDOWN
0056	RS	12/06/2001 16:55	12/07/2001 07:28	14.55	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	12/07/2001 08:03	12/20/2001 13:07	317.07	0.00	0.00	0000	RESERVE SHUTDOWN
0058	RS	12/20/2001 13:40	01/01/2002 00:00	274.33	0.00	0.00	0000	RESERVE SHUTDOWN
Daniel 1								
0039	D2	12/27/2001 15:29	12/27/2001 20:00	4.52	45.71	1,034.32	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; EH FLUID LEAK REPAIR LIMIT LOAD.

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December 01, 2001 00:00 - January 01, 2002 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0076	D1	12/07/2001 20:14	12/08/2001 00:23	4.15	12.55	265.60	3190	AIR LEAKAGE (FOR LOSSES NOT ATTRIBUTED TO PREVIOUS NOTED EQUIP); HIGH AIR IN-LEAKAGE AND ONE CIRCULATOR OPERATION CAUSED HIGH BACK PRESSURE LOAD LIMIT.
0077	RS	12/22/2001 02:14	12/26/2001 05:30	99.27	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT 2 ON RESERVE SHUTDOWN AT CC REQUEST.
0078	D1	12/26/2001 10:45	12/26/2001 20:30	9.75	3.92	195.00	0250	PULVERIZER FEEDERS; MAINT. CALIBRATE 'C' FEEDER AND LIMIT LOAD.
0079	U1	12/29/2001 11:27	12/29/2001 15:03	3.60	100.00	1,836.00	4700	GENERATOR VOLTAGE CONTROL; UNIT 2 TRIP DUE TO BLOWN FUSE IN VOLTAGE REGULATOR.
0080	D2	12/31/2001 11:37	12/31/2001 13:45	2.13	72.55	789.33	0510	MAIN STEAM RELIEF/SAFETY VALVES OFF SUPERHEATER; OPERATOR CUT LOAD TO RESEAT RH MAIN STEAM SAFETY.

Staff POD 39

2002

Event Listing With All Reported Cause Codes

January 01, 2002 00:00 - January 01, 2003 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 1								
0001	RS	01/01/2002 00:00	02/27/2002 21:22	1389.37	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	RS	03/01/2002 10:10	03/03/2002 16:10	54.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0003	SF	03/03/2002 16:10	03/06/2002 14:00	69.83	100.00	1,676.00	3411	FEEDWATER PUMP DRIVE - MOTOR; UNIT WAS UNABLE TO RETURN TO SERVICE DUE TO FAULTY B.F.P. MOTOR.
0004	RS	03/06/2002 14:00	04/29/2002 20:04	1301.07	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0005	U1	05/03/2002 02:00	05/04/2002 02:00	24.00	100.00	576.00	1000	WATERWALL (FURNACE WALL); UNIT REMOVED FROM SERVICE DUE TO WATERWALL TUBE LEAK.
0006	RS	05/04/2002 02:00	05/07/2002 01:51	71.85	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0007	U1	05/07/2002 02:54	05/08/2002 00:00	21.10	100.00	506.40	1000	WATERWALL (FURNACE WALL); UNIT REMOVED FROM SERVICE DUE TO WATERWALL TUBE LEAK
0008	RS	05/08/2002 00:00	01/01/2003 00:00	5713.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN

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January 01, 2002 00:00 - January 01, 2003 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 2								
0001	RS	01/01/2002 00:00	02/27/2002 15:35	1383.58	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	U1	02/27/2002 15:50	02/27/2002 17:21	1.52	100.00	36.40	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT TRIPPED DUE TO LOSS OF VACUUM.
0003	U1	02/27/2002 19:14	02/28/2002 13:55	18.68	100.00	448.40	4261	CONTROL VALVES; UNIT REMOVED FROM SERVICE DUE TO CONTROL VALVE NOT OPERATING PROPERLY.
0004	RS	02/28/2002 13:55	03/03/2002 22:13	80.30	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0005	U1	03/03/2002 23:00	03/03/2002 23:10	0.17	100.00	4.00	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT TRIPPED DUE TO LOW VACUUM.
0006	RS	03/06/2002 16:45	04/30/2002 00:03	1302.30	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0007	U1	04/30/2002 00:03	04/30/2002 05:04	5.02	100.00	120.40	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT TRIPPED DUE TO LOW VACUUM.
0008	RS	05/10/2002 20:12	07/18/2002 01:58	1637.77	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0009	U1	07/18/2002 02:00	07/18/2002 04:57	2.95	100.00	70.80	4710	GENERATOR METERING DEVICES; UNIT FAILED TO START DUE TO GENERATOR RELAY TRIP.
0010	U1	07/18/2002 05:50	07/18/2002 06:15	0.42	100.00	10.00	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT TRIPPED DUE TO LOSS OF VACUUM.
0011	RS	08/02/2002 09:09	01/01/2003 00:00	3639.85	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 3								
0001	RS	01/01/2002 00:00	02/27/2002 03:20	1371.33	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	U1	02/28/2002 08:03	02/28/2002 11:02	2.98	100.00	104.42	1488	AIR HEATER (REGENERATIVE); UNIT REMOVED FROM SERVICE DUE TO 3-A AIR HEATER TRIP AND FAIL TO RESTART.
0003	RS	02/28/2002 11:02	03/04/2002 12:06	97.07	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0004	RS	03/06/2002 17:49	04/30/2002 07:53	1309.07	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0005	U1	05/02/2002 04:54	05/02/2002 05:07	0.22	100.00	7.58	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); BREAKER 6182 LOW SIDE BREAKER OPENED, UNIT OFF LINE
0006	RS	05/10/2002 19:35	07/17/2002 11:37	1624.03	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0007	RS	08/02/2002 08:32	01/01/2003 00:00	3640.47	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN

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Crist 4								
0001	RS	01/01/2002 00:00	01/03/2002 16:06	64.10	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	RS	01/09/2002 22:18	02/05/2002 09:48	635.50	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0003	MO	02/06/2002 21:12	02/07/2002 13:35	16.38	100.00	1,277.90	3110	CONDENSER TUBE LEAKS; REMOVE UNIT FROM SERVICE TO REPAIR CONDENSER TUBE LEAK
0004	U1	02/15/2002 08:46	02/15/2002 18:55	10.15	100.00	791.70	1493	AIR HEATER FOULING (REGENERATIVE); UNIT REMOVED FROM SERVICE DUE TO 4-A AIRHEATER BREAKER TRIPPED.
0005	D1	03/23/2002 07:13	03/23/2002 08:45	1.53	74.36	88.93	1488	AIR HEATER (REGENERATIVE); REDUCED LOAD ON UNIT DUE TO 4-A AIRHEATER TRIP AND FAIL TO RESTART.
0006	RS	05/17/2002 21:07	05/24/2002 09:31	156.40	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0007	D4	08/27/2002 08:45	08/28/2002 10:58	26.22	23.08	471.90	3110	CONDENSER TUBE LEAKS; UNIT REDUCED DUE TO CONDENSER TUBE LEAKS
0008	D4	08/29/2002 01:30	08/29/2002 07:15	5.75	42.31	189.75	3110	CONDENSER TUBE LEAKS; UNIT REDUCED DUE TO CONDENSER TUBE LEAKS.
0009	U1	09/22/2002 13:53	09/22/2002 22:04	8.18	100.00	638.30	1488	AIR HEATER (REGENERATIVE); UNIT REMOVED FROM SERVICE DUE TO 4-A AIR HEATER DRIVE MOTOR LOCKED UP.
0010	NC	10/23/2002 07:15	10/23/2002 11:15	4.00	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; 4-B RIGHT REAR COAL PIPE PLUGGED.
0011	NC	10/23/2002 12:25	10/23/2002 18:20	5.92	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; 4-C RIGHT REAR COAL PIPE PLUGGED.
0012	PO	11/22/2002 23:11	12/14/2002 04:21	509.17	100.00	39,715.00	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); PLANNED BOILER OUTAGE.
0013	U1	12/26/2002 08:05	12/26/2002 17:03	8.97	100.00	699.40	4283	LUBE OIL SYSTEM VALVES AND PIPING; UNIT REMOVED FROM SERVICE DUE TO BROKEN VENT PIPE ON # 4 TURBINE BEARING.

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Crist 5								
0001	RS	01/01/2002 00:00	02/03/2002 23:54	815.90	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	MO	02/12/2002 22:06	02/13/2002 12:00	13.90	100.00	1,112.00	1060	FIRST REHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR REHEAT TUBE LEAK.
0003	RS	02/13/2002 12:00	02/26/2002 02:59	302.98	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0004	RS	03/01/2002 20:06	03/03/2002 20:31	48.42	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0005	U1	03/19/2002 10:22	03/19/2002 13:41	3.32	100.00	265.33	4292	HYDRAULIC SYSTEM FILTERS; UNIT TRIPPED DUE TO LOW CONTROL OIL PRESSURE WHILE SWAPPING NUGENT OIL FILTERS.
0006	U1	03/21/2002 00:19	03/21/2002 00:36	0.28	100.00	22.67	4292	HYDRAULIC SYSTEM FILTERS; UNIT TRIPPED DUE TO LOW OIL PRESSURE WHILE SWAPPING NUGENT OIL FILTER.
0007	D1	03/22/2002 09:40	03/22/2002 10:40	1.00	12.50	10.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; REDUCED LOAD ON UNIT DUE TO HIGH GENERATOR FIELD TEMPERATURE.
0008	RS	05/17/2002 22:51	05/24/2002 10:57	156.10	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0009	D1	05/27/2002 08:45	05/27/2002 09:15	0.50	81.25	32.50	4740	EMERGENCY GENERATOR TRIP DEVICES; LOST FIRES DUE TO MISC.POWER BREAKER TRIPPED.
0010	NC	06/19/2002 04:15	07/08/2002 09:30	461.25	0.00	0.00	3410	FEEDWATER PUMP; 5-A BOILER FEED PUMP OUT OF SERVICE TO CHECK ALIGNMENT.
0011	NC	07/21/2002 19:00	07/22/2002 02:00	7.00	0.00	0.00	9270	WET COAL (OMC); WET COAL 5-B, 5-C, 5-D FEEDERS.
0012	NC	07/26/2002 12:40	07/26/2002 16:30	3.83	0.00	0.00	0410	OTHER BURNER PROBLEMS; REDUCED LOAD DUE TO PLUGGED COAL PIPE ON 5-D RIGHT REAR COAL PIPE. GAS WAS AVAILABLE.
0013	MO	09/07/2002 18:58	09/08/2002 16:38	21.67	100.00	1,733.33	1999	BOILER, MISCELLANEOUS; REMOVED UNIT FROM SERVICE TO INSTALL SAMPLE TESTING PORTS
0014	D1	10/22/2002 07:55	10/22/2002 09:20	1.42	22.50	25.50	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); REDUCED LOAD ON UNIT TO REPAIR COAL LEAK 5-D MILL
0015	PO	11/23/2002 00:22	12/14/2002 20:05	523.72	100.00	41,897.33	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); PLANNED BOILER OUTAGE.

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Crist 6								
0001	NC	01/04/2002 05:30	01/04/2002 18:00	12.50	0.00	0.00	0095	BUNKER FLOW PROBLEMS; COAL IS NOT FLOWING PROPERLY FROM 6-C BUNKER.
0002	NC	01/08/2002 17:30	01/09/2002 17:19	23.82	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER NOT OPERATING PROPERLY, BAD ROLLER BEARING.
0003	NC	01/14/2002 07:05	01/14/2002 07:25	0.33	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER PLUGGED.
0004	NC	01/14/2002 13:00	01/14/2002 19:45	6.75	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER LOAD CELL BAD.
0005	NC	01/15/2002 07:30	01/15/2002 08:00	0.50	0.00	0.00	0095	BUNKER FLOW PROBLEMS; 6-C BUNKER NOT FLOWING PROPERLY.
0006	NC	01/16/2002 18:20	01/16/2002 22:50	4.50	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER NOT FEEDING PROPERLY.
0007	NC	01/17/2002 20:25	01/20/2002 15:32	67.12	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; 6-C MILL MOTOR BURNED UP.
0008	NC	01/18/2002 15:10	01/18/2002 23:08	7.97	0.00	0.00	0310	PULVERIZER MILLS; 6-D MILL OUT OF SERVICE DUE TO OIL LEAK.
0009	U1	01/31/2002 00:58	01/31/2002 09:37	8.65	100.00	2,612.30	4293	HYDRAULIC SYSTEM PIPES AND VALVES; UNIT REMOVED FROM SERVICE DUE TO E-H OIL LEAK NORTH SIDE THROTTLE VALVE.
0010	NC	02/05/2002 04:11	02/05/2002 14:00	9.82	0.00	0.00	0260	PRIMARY AIR FAN; 6-B PRIMARY AIR FAN OUT OF SERVICE DUE TO BAD TRIP COIL IN BREAKER.
0011	D1	02/08/2002 06:30	02/08/2002 09:00	2.50	12.58	95.00	1493	AIR HEATER FOULING (REGENERATIVE); REDUCED LOAD DUE TO HIGH OPACITY FROM AIR HEATER PLUGGAGE.
0012	PO	02/08/2002 23:43	04/07/2002 00:00	1368.28	100.00	413,221.57	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1); PLANNED TURBINE OUTAGE.
0013	PD	04/07/2002 00:00	04/12/2002 04:47	123.78	38.74	11,639.55	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; UNIT IS AT REDUCED LOAD DUE TO UNIT CONTROL SYSTEM STARTUP
0014	U1	04/08/2002 16:55	04/08/2002 20:44	3.82	100.00	1,152.63	3840	SERVICE AIR COMPRESSORS; UNIT REMOVED FROM SERVICE DUE TO LOSS OF PLANT AIR SYSTEM

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0015	U1	04/09/2002 14:56	04/10/2002 06:28	15.53	100.00	4,691.07	4293	HYDRAULIC SYSTEM PIPES AND VALVES; REMOVED UNIT FROM SERVICE DUE TO E-H CONTROL OIL LEAK ON B.F.P.
0016	U1	04/11/2002 00:02	04/11/2002 02:03	2.02	100.00	609.03	1415	FORCED DRAFT FAN CONTROLS; REMOVED UNIT FROM SERVICE DUE TO LOSS OF BOILER AIR FLOW.
0017	U1	04/11/2002 03:09	04/11/2002 06:05	2.93	100.00	885.87	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); REMOVED UNIT FROM SERVICE DUE TO FEEDWATER CONTROL PROBLEMS.
0018	D1	04/12/2002 09:30	04/12/2002 12:20	2.83	64.57	552.50	0385	IGNITERS; UNIT REDUCED LOAD DUE TO IGNITER PROBLEMS NOT ALLOWING MILL TO BE PUT IN SERVICE.
0019	NC	04/17/2002 08:00	04/17/2002 12:20	4.33	0.00	0.00	3410	FEEDWATER PUMP; PERFORMED OVERSPEED TRIP TEST ON 6-A BOILER FEED PUMP.
0020	D1	04/19/2002 13:15	04/19/2002 14:20	1.08	58.28	190.67	4293	HYDRAULIC SYSTEM PIPES AND VALVES; UNIT AT REDUCED LOAD DUE TO E-H SYSTEM INTERFACE VALVE NOT OPERATING PROPERLY.
0021	MO	05/04/2002 02:30	05/05/2002 00:00	21.50	100.00	6,493.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; REMOVED UNIT FROM SERVICE TO REPAIR HYDROGEN LEAK.
0022	MO	05/05/2002 00:00	05/08/2002 12:14	84.23	100.00	25,438.47	4280	LUBE OIL PUMPS; REMOVED UNIT FROM SERVICE TO REPAIR D.C. TURNING GEAR OIL PUMP.
0023	MO	05/09/2002 21:31	05/10/2002 00:56	3.42	100.00	1,031.83	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REMOVED UNIT FROM SERVICE TO REMOVE BALANCE WEIGHT.
0024	MO	05/21/2002 08:30	05/22/2002 01:28	16.97	100.00	5,123.93	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; REMOVE UNIT FROM SERVICE TO REPAIR HYDROGEN LEAK.
0025	U1	05/23/2002 11:41	05/23/2002 12:31	0.83	100.00	251.67	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; REMOVED UNIT FROM SERVICE DUE TO LOSS OF BOILER CONTROLS.
0026	D1	05/30/2002 09:55	05/30/2002 10:30	0.58	96.69	170.33	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); UNIT REDUCED DUE TO LOSS OF FEEDWATER CONTROLS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0027	MO	06/27/2002 21:48	06/30/2002 04:45	54.95	100.00	16,594.90	1040	FIRST SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE DUE TO HRA SIDEWALL AND PARTITION WALL TUBE LEAK.
0028	U2	07/16/2002 11:23	07/17/2002 14:51	27.47	100.00	8,294.93	1040	FIRST SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR PRIMARY SUPERHEAT TUBE LEAK.
0029	MO	07/25/2002 23:29	07/27/2002 07:04	31.58	100.00	9,538.17	1400	FORCED DRAFT FANS;
							1488	CONTRIBUTED TO PRIMARY CAUSE; AIR HEATER (REGENERATIVE); UNIT REMOVED FROM SERVICE TO REPAIR 6-A F.D. FAN AND 6-B AIR HEATER
0030	MO	07/28/2002 03:09	07/29/2002 11:53	32.73	100.00	9,885.47	1040	FIRST SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR PRIMARY SUPERHEAT INLET
							1090	CONTRIBUTED TO PRIMARY CAUSE; OTHER TUBE LEAKS; TUBE LEAK IN PARTITION WALL OUTLET
0031	D1	07/29/2002 17:20	07/29/2002 19:00	1.67	15.89	80.00	0341	PULVERIZER DELUGE SYSTEM; 6-A PULVERIZER PLUGGED PYRITE SECTION
0032	U1	07/30/2002 13:29	07/30/2002 17:53	4.40	100.00	1,328.80	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TURBINE TRIPPED DUE TO OVERSPEED TRIP LEVER MALFUNCTION
0033	U1	07/30/2002 19:20	07/31/2002 03:28	8.13	100.00	2,456.27	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TURBINE TRIPPED DUE TO OVERSPEED TRIP LEVER MALFUNCTION.
0034	MO	08/01/2002 07:31	08/03/2002 11:26	51.92	100.00	15,678.83	1040	FIRST SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR PRIMARY SUPERHEAT TUBE LEAKS
							1090	CONTRIBUTED TO PRIMARY CAUSE; OTHER TUBE LEAKS; TUBE LEAK IN PARTITION WALL OUTLET
0035	NC	08/03/2002 13:57	08/03/2002 14:35	0.63	0.00	0.00	3414	FEEDWATER PUMP LOCAL CONTROLS; 6-A B.F.P. OUT OF SERVICE TO CALIBRATE LOW PRESSURE STOP VALVE
0036	U1	08/11/2002 22:22	08/11/2002 22:49	0.45	100.00	135.90	4499	OTHER STEAM TURBINE PROBLEMS; UNIT TRIPPED DURING THE OPERATION OF FRONT PEDESTAL P.M. TESTING
0037	U1	08/11/2002 22:56	08/12/2002 01:12	2.27	100.00	684.53	4499	OTHER STEAM TURBINE PROBLEMS; UNIT TRIPPED AS A RESULT OF TURBINE FRONT PEDESTAL P.M. TESTING.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0038	NC	08/23/2002 08:05	08/23/2002 08:35	0.50	0.00	0.00	4267	CONTROL VALVE TESTING; TURBINE VALVE TESTING DID NOT OPERATE PROPERLY.
0039	U1	08/27/2002 15:15	08/27/2002 16:32	1.28	100.00	387.57	3410	FEEDWATER PUMP; 6-B B.F.P. MECHANICAL TRIP OPERATED RESULTING IN LOSS OF UNIT.
0040	D4	09/15/2002 09:00	09/15/2002 16:35	7.58	57.62	1,319.50	3110	CONDENSER TUBE LEAKS; REMOVED 6-B SIDE CONDENSER FROM SERVICE TO REPAIR CONDENSER TUBE LEAK.
0041	NC	09/16/2002 08:15	09/16/2002 08:40	0.42	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER PLUGGED
0042	D1	10/30/2002 07:10	10/30/2002 08:30	1.33	22.19	89.33	0250	PULVERIZER FEEDERS; 6-C FEEDER PLUGGED DUE TO WET COAL
0043	MO	11/13/2002 19:51	11/16/2002 07:59	60.13	100.00	18,160.27	1400	FORCED DRAFT FANS; UNIT REMOVED FROM SERVICE TO REPAIR FORCED DRAFT FAN BEARING.
0044	U1	12/04/2002 04:26	12/05/2002 08:57	28.52	100.00	8,612.03	1000	WATERWALL (FURNACE WALL); UNIT REMOVED FROM SERVICE TO REPAIR REAR WATERWALL TUBE LEAK.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	NC	01/08/2002 11:25	01/08/2002 11:45	0.33	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED
0002	NC	01/12/2002 03:20	01/18/2002 19:55	160.58	0.00	0.00	0310	PULVERIZER MILLS; 7-D MILL OUT OF SERVICE TO REPAIR BROKEN LINERS.
0003	NC	01/20/2002 10:50	01/21/2002 13:30	26.67	0.00	0.00	0310	PULVERIZER MILLS; REMOVED 7-D MILL FROM SERVICE TO REPAIR LINERS.
0004	U1	03/07/2002 05:00	03/08/2002 19:23	38.38	100.00	18,308.85	1090	OTHER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR LOWER WATER WALL NOSE TUBE LEAK.
0005	PO	03/15/2002 23:49	05/08/2002 02:54	1274.08	100.00	607,737.75	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); UNIT REMOVED FROM SERVICE DUE TO PLANNED BOILER/TURBINE OUTAGE.
							4401	CONTRIBUTED TO PRIMARY CAUSE; TURBINE INSPECTION;
0009	MO	05/10/2002 22:34	05/11/2002 11:23	12.82	100.00	6,113.55	1999	BOILER, MISCELLANEOUS; UNIT REMOVED FROM SERVICE DUE TO DEARATOR DOOR LEAK.
0006	MO	05/17/2002 00:54	05/17/2002 12:36	11.70	100.00	5,580.90	3410	FEEDWATER PUMP; REMOVED UNIT FROM SERVICE DUE TO EXCESSIVE VIBRATION 7-A B.F.P.
0007	D4	05/17/2002 16:18	05/24/2002 21:04	172.77	41.72	34,380.57	3410	FEEDWATER PUMP; UNIT REDUCED LOAD DUE TO 7-A B.F.P. OUT OF SERVICE FOR REPAIRS.
0008	MO	05/24/2002 21:04	05/28/2002 11:27	86.38	100.00	41,204.85	4499	OTHER STEAM TURBINE PROBLEMS; REMOVED UNIT TO PERFORM BALANCE SHOT , AND REPAIR GLAND SEAL.
0010	D4	06/01/2002 10:54	06/01/2002 20:00	9.10	10.69	464.10	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED 7-C MILL FROM SERVICE TO REMOVE LINER PLATE FROM INSIDE MILL.
0011	D4	06/03/2002 13:30	06/03/2002 16:00	2.50	4.61	55.00	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT REDUCED DUE TO HIGH BACK PRESSURE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0012	D4	06/05/2002 11:45	06/05/2002 14:50	3.08	4.61	67.83	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; UNIT REDUCED DUE TO HIGH BACK PRESSURE.
0013	D1	06/10/2002 10:45	06/10/2002 12:30	1.75	52.20	435.75	3414	FEEDWATER PUMP LOCAL CONTROLS; 7-A B.F.P. TRIPPED DUE TO THRUST BRG. VIBRATION PROBE CONTROL PROBLEM
0014	NC	06/14/2002 11:15	06/14/2002 11:50	0.58	0.00	0.00	3238	COOLING TOWER FAN AND MOTORS; REMOVED 7-F COOLING TOWER FAN FROM SERVICE FOR REPAIR.
0015	MO	06/21/2002 00:03	06/22/2002 19:39	43.60	100.00	20,797.20	1060	FIRST REHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE DUE TO REHEAT TUBE LEAK.
0016	MO	07/12/2002 06:20	07/12/2002 08:20	2.00	100.00	954.00	3416	OTHER FEEDWATER PUMP PROBLEMS; REMOVED 7-A B.F.P. FROM SERVICE TO REPAIR E-H OIL LEAK.
0017	MO	07/19/2002 23:34	07/20/2002 03:56	4.37	100.00	2,082.90	3620	MAIN TRANSFORMER; REMOVED UNIT FROM SERVICE TO REPAIR MAIN POWER TRANSFORMER BUSS CONNECTION.
0018	D2	07/28/2002 19:00	07/28/2002 20:13	1.22	6.71	38.93	9270	WET COAL (OMC); REDUCED LOAD DUE TO POOR FUEL QUALITY.
0019	NC	08/06/2002 02:30	08/06/2002 03:22	0.87	0.00	0.00	9270	WET COAL (OMC); 7-B FEEDER PLUGGED DUE TO WET COAL.
0020	NC	08/06/2002 02:40	08/06/2002 03:22	0.70	0.00	0.00	9270	WET COAL (OMC); 7-A FEEDER PLUGGED DUE TO WET COAL.
0021	NC	09/03/2002 08:34	09/03/2002 09:45	1.18	0.00	0.00	0310	PULVERIZER MILLS; 7-C PULVERIZER GEAR BOX LOOSE REMOVED FROM SERVICE FOR REPAIR
0022	NC	09/16/2002 11:45	09/16/2002 12:25	0.67	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED
0023	D2	09/20/2002 06:00	09/20/2002 22:00	16.00	5.66	432.00	1120	CONVECTION PASS WALL SLAGGING & FOULING; UNIT REDUCED LOAD DUE TO BACKPASS PLUGGAGE
0024	MO	09/20/2002 22:39	09/22/2002 20:25	45.77	100.00	21,830.70	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; REMOVED UNIT FROM SERVICE TO CLEAN SLAG FROM BOILER.
0025	NC	09/27/2002 21:10	09/28/2002 07:00	9.83	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED MILL FROM SERVICE TO REMOVE FOREIGN OBJECT FROM BOWL.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	NC	10/09/2002 07:30	10/09/2002 08:00	0.50	0.00	0.00	0250	PULVERIZER FEEDERS; REMOVED 7-C FEEDER FROM SERVICE TO REPAIR BELT.
0027	PO	10/25/2002 18:44	11/09/2002 08:02	350.30	100.00	167,093.10	3620	MAIN TRANSFORMER; PLANNED OUTAGE TO REPLACE MAIN POWER TRANSFORMER.
0028	D1	11/10/2002 19:10	11/10/2002 22:40	3.50	5.66	94.50	9290	OTHER FUEL QUALITY PROBLEMS (OMC); UNIT REDUCED FOR HIGH OPACITY DUE TO POOR FUEL QUALITY
0029	NC	11/11/2002 10:45	11/11/2002 11:30	0.75	0.00	0.00	9290	OTHER FUEL QUALITY PROBLEMS (OMC); HIGH OPACITY DUE TO POOR FUEL QUALITY
0030	D1	11/13/2002 06:20	11/13/2002 07:32	1.20	45.91	262.80	3416	OTHER FEEDWATER PUMP PROBLEMS; REDUCED LOAD DUE TO 7-A BOILER FEED PUMP OVERSPED AND TRIPPED,
0031	NC	12/19/2002 08:20	12/19/2002 08:35	0.25	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 1								
0001	RS	01/01/2002 00:00	01/02/2002 19:10	43.17	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0002	RS	01/09/2002 12:20	02/26/2002 17:06	1156.77	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0003	RS	03/01/2002 21:04	03/03/2002 16:34	43.50	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY.
0004	RS	03/06/2002 21:51	03/26/2002 21:49	479.97	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0005	MO	05/03/2002 23:00	05/05/2002 07:35	32.58	100.00	1,498.83	1080	ECONOMIZER TUBE LEAKS; REPAIR ECONOMIZER INLET HEADER TUBE LEAKS.
0006	RS	05/15/2002 16:19	06/03/2002 16:20	456.02	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0007	RS	06/21/2002 22:03	06/26/2002 07:33	105.50	0.00	0.00	0000	RESERVE SHUTDOWN
0008	PD	08/02/2002 21:50	08/03/2002 03:30	5.67	71.74	187.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); MECHANICALLY CLEAN MAIN CONDENSER.
0009	U1	08/27/2002 00:07	08/27/2002 00:21	0.23	100.00	10.73	4260	MAIN STOP VALVES; STOP VALVE WAS BEING TESTED AND IT TRIPPED THE STOP VALVE & LOW SIDE BREAKER.
0010	U1	08/27/2002 00:23	08/27/2002 01:06	0.72	100.00	32.97	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); LOST FIRES AT BURNERS, FUEL TRIPPED AND PURGED BOILER.
0011	RS	08/30/2002 19:24	09/05/2002 03:10	127.77	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0012	U1	11/19/2002 05:13	11/20/2002 08:38	27.42	100.00	1,261.17	1080	ECONOMIZER TUBE LEAKS; TUBE LEAK IN ECONOMIZER BYPASS SECTION.
0013	MO	11/29/2002 08:20	11/30/2002 00:47	16.45	100.00	756.70	1080	ECONOMIZER TUBE LEAKS; TUBE LEAK IN ECONOMIZER BYPASS SECTION
0014	PO	12/06/2002 23:24	12/15/2002 16:37	209.22	100.00	9,623.97	1810	OTHER BOILER INSPECTIONS; INSPECT BOILER TUBING AND ASSOCIATED EQUIPMENT.
0015	U1	12/15/2002 17:00	12/16/2002 02:58	9.97	100.00	458.47	3644	PROTECTION DEVICES; RECENTLY INSTALLED SEL 587 RELAY PROTECTION SYSTEM TRIPPED UNIT OFFLINE.
0016	D1	12/16/2002 04:01	12/16/2002 15:50	11.82	60.87	330.87	4700	GENERATOR VOLTAGE CONTROL; VOLTAGE CONTROL PROBLEM (AMPLDYNE)
0017	RS	12/20/2002 20:06	12/25/2002 19:36	119.50	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY.
0018	RS	12/30/2002 12:51	01/01/2003 00:00	35.15	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2002 00:00	01/03/2002 08:04	56.07	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0002	RS	01/09/2002 13:16	02/05/2002 00:40	635.40	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0003	NC	02/05/2002 01:11	02/05/2002 21:54	20.72	0.00	0.00	3619	OTHER SWITCHYARD EQUIPMENT-EXTERNAL (OMC); GENERATOR DISCONNECTS BURNED UP. TWO PHASES ARCING.
0004	RS	02/15/2002 19:24	02/16/2002 00:00	4.60	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0005	PO	02/16/2002 00:00	02/25/2002 00:00	216.00	100.00	9,936.00	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION
0006	RS	02/25/2002 00:00	02/26/2002 21:13	45.22	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0007	RS	03/25/2002 23:48	03/26/2002 10:44	10.93	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0008	D1	04/16/2002 21:18	04/16/2002 23:45	2.45	36.96	41.65	0250	PULVERIZER FEEDERS; 2B FEEDER - BROKEN BOLTS ON FEEDER HOUSING
0009	MO	05/10/2002 22:15	05/12/2002 06:07	31.87	100.00	1,465.87	1000	WATERWALL (FURNACE WALL); REPAIR WATERWALL TUBE LEAK.
0010	RS	05/17/2002 22:25	06/02/2002 18:00	379.58	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY.
0011	PD	07/26/2002 22:45	07/27/2002 03:20	4.58	71.74	151.25	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); MECHANICALLY CLEAN MAIN CONDENSER.
0012	RS	08/31/2002 19:11	09/04/2002 07:34	84.38	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0013	PO	10/11/2002 21:42	10/20/2002 17:00	211.30	100.00	9,719.80	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION
0014	RS	12/20/2002 21:13	12/26/2002 01:12	123.98	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY.
0015	RS	12/30/2002 14:01	01/01/2003 00:00	33.98	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	01/15/2002 05:50	01/15/2002 06:45	0.92	59.88	88.92	1471	INDUCED DRAFT FAN MOTORS - VARIABLE SPEED; 1-B I.D. FAN SPEED CHANGER WOULD NOT SWAP.
0002	D1	01/15/2002 11:00	01/15/2002 13:40	2.67	58.64	253.33	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; COLD OUTLET PRECIPITATOR CABINET TRIPPED. RESERVE SHUTDOWN; LOAD ORDERS.
0003	RS	01/22/2002 23:03	01/25/2002 07:49	56.77	0.00	0.00	0000	EMERGENCY GENERATOR TRIP DEVICES; GENERATOR RELAY OPERATION
0004	U1	02/21/2002 17:36	02/21/2002 19:53	2.28	100.00	369.90	4740	OTHER PULVERIZER PROBLEMS; 1-B MILL SCRAPER BROKEN.
0005	NC	03/06/2002 18:00	03/06/2002 18:20	0.33	0.00	0.00	0340	PULVERIZER FEEDERS; 1-A COAL PIPE TO FEEDER PLUGGED.
0006	D1	03/22/2002 17:40	03/22/2002 18:50	1.17	22.84	43.17	0250	PULVERIZER MILLS; SCRAP METAL IN 1-A MILL.
0007	NC	03/25/2002 17:15	03/25/2002 18:00	0.75	0.00	0.00	0310	CIRCULATING WATER PIPING FOULING; 1- A
0008	U1	03/26/2002 03:29	03/27/2002 06:00	26.52	100.00	4,295.70	3221	CIRCULATING WATER PUMP DISCHARGE PIPE RUPTURED.
0009	PO	03/27/2002 06:00	04/26/2002 01:20	714.33	100.00	115,722.00	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE.
0010	D1	04/29/2002 06:10	04/29/2002 11:00	4.83	32.10	251.33	3410	FEEDWATER PUMP; 1A BOILER FEED PUMP SEALS LEAKING WATER.
0011	PD	04/29/2002 11:00	05/05/2002 21:00	154.00	32.10	8,008.00	3410	FEEDWATER PUMP; OVERHAUL 1A BOILER FEED PUMP
0012	U1	10/15/2002 10:50	10/16/2002 04:17	17.45	100.00	2,826.90	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); 115KV BUS DIFFERENTIAL RELAY BREAKER FAILURE
0013	PO	10/25/2002 19:35	11/03/2002 10:22	207.78	100.00	33,660.90	1810	OTHER BOILER INSPECTIONS; FALL BOILER OUTAGE

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	RS	01/25/2002 13:39	02/02/2002 01:42	180.05	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0002	D1	02/21/2002 17:37	02/21/2002 18:05	0.47	97.35	85.87	0250	PULVERIZER FEEDERS; FEEDERSTRIPPED DUE TO SYSTEM DISTURBANCE
0003	PO	03/02/2002 02:11	04/14/2002 12:55	1041.73	100.00	196,887.60	4401	TURBINE INSPECTION; TURBINE VALVE INSP, REPLACE COND. WATERBOXES AND TUBES, REPLACE ALL AIR HEATER BASKETS
0004	RS	04/15/2002 15:38	04/15/2002 19:38	4.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN LEFT HAND REHEAT STOP VALVE HAS STEAM LEAK
0005	U1	04/15/2002 19:38	04/17/2002 11:00	39.37	100.00	7,440.30	1488	AIR HEATER (REGENERATIVE); 2A AIR HEATER FIRE
0006	MO	04/17/2002 11:00	04/26/2002 00:01	205.02	100.00	38,748.15	1488	AIR HEATER (REGENERATIVE); REPLACE TWO SECTORS OF AIR HEATER BASKETS.
0007	SF	04/26/2002 00:01	05/05/2002 06:59	222.97	100.00	42,140.70	4550	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); GENERATOR SEAL FAILURE
0008	U1	05/13/2002 17:11	05/15/2002 00:06	30.92	100.00	5,843.25	1000	WATERWALL (FURNACE WALL); TUBE LEAK.
0009	U1	06/04/2002 16:35	06/05/2002 15:00	22.42	100.00	4,236.75	1000	WATERWALL (FURNACE WALL); TUBE LEAK.
0010	MO	06/05/2002 15:00	06/07/2002 18:36	51.60	100.00	9,752.40	1000	WATERWALL (FURNACE WALL); SEARCH FOR POSSIBLE ADDITIONAL TUBE LEAKS.
0011	MO	06/09/2002 15:57	06/10/2002 17:53	25.93	100.00	4,901.40	1000	WATERWALL (FURNACE WALL); SMALL WATER WALL TUBE LEAKS.
0012	U1	06/10/2002 20:02	06/23/2002 13:35	305.55	100.00	57,748.95	4550	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); WIPE HYDROGEN SEALS.
0013	U1	06/25/2002 12:35	06/26/2002 06:00	17.42	100.00	3,291.75	1000	WATERWALL (FURNACE WALL); WATER WALL TUBE LEAK
0014	MO	06/26/2002 06:00	07/03/2002 10:53	172.88	100.00	32,674.95	1000	WATERWALL (FURNACE WALL); REPLACE WATER WALL TUBE PANELS
0015	U1	07/04/2002 23:34	07/06/2002 07:49	32.25	100.00	6,095.25	1000	WATERWALL (FURNACE WALL); WATER WALL TUBE LEAK.
0016	D1	07/06/2002 12:00	07/10/2002 11:36	95.60	20.63	3,728.40	1350	OTHER TUBE PROBLEMS; RUNNING AT REDUCED PRESSURE DUE TO WATER WALL TUBE PROBLEMS.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D1	07/10/2002 11:36	07/10/2002 11:45	0.15	97.35	27.60	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2-B I.D. FAN TRIPPED.
0018	D1	07/10/2002 12:01	07/11/2002 21:14	33.22	20.63	1,295.45	1350	OTHER TUBE PROBLEMS; RUNNING AT LOWER THROTTLE PRESSURE AND REDUCED LOAD DUE TO TUBE FAILURE.
0019	U1	07/11/2002 21:14	07/14/2002 07:52	58.63	100.00	11,081.70	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK.
0020	D1	07/14/2002 07:52	07/18/2002 06:15	94.38	20.63	3,680.95	1350	OTHER TUBE PROBLEMS; RUNNING AT REDUCED PRESSURE AND LOAD DUE TO TUBE LEAKS.
0021	U1	07/18/2002 06:15	07/19/2002 22:48	40.55	100.00	7,663.95	1090	OTHER TUBE LEAKS; ROOF TUBE LEAK.
0022	D1	07/19/2002 22:48	09/01/2002 00:01	1033.22	31.75	61,993.00	1350	OTHER TUBE PROBLEMS; RUNNING AT REDUCED PRESSURE DUE TO TUBE LEAKS.
0023	PO	09/01/2002 19:13	09/15/2002 01:04	317.85	100.00	60,073.65	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); BOILER INSPECTION.
0024	D1	09/15/2002 01:04	09/21/2002 00:00	142.93	31.22	8,433.07	1350	OTHER TUBE PROBLEMS; LOWER THROTTLE PRESSURE, WEAK WATER WALLS.
0025	MO	09/21/2002 00:00	09/22/2002 06:50	30.83	100.00	5,827.50	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK
0026	D1	09/22/2002 07:00	10/14/2002 21:39	542.65	35.98	36,900.20	1350	OTHER TUBE PROBLEMS; LOWER THROTTLE PRESSURE DUE TO WEAK TUBES.
0027	MO	10/14/2002 21:39	10/16/2002 09:53	36.23	100.00	6,848.10	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK
0028	D1	10/16/2002 09:53	10/23/2002 02:25	160.53	35.98	10,916.27	1350	OTHER TUBE PROBLEMS; LOWER THROTTLE PRESSURE DUE TO WEAK TUBES
0029	U1	10/23/2002 02:25	10/24/2002 11:52	33.45	100.00	6,322.05	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK
0030	D1	10/24/2002 11:52	12/31/2002 22:08	1643.27	31.22	96,952.73	1350	OTHER TUBE PROBLEMS; LOWERED THROTTLE PRESSURE DUE TO WEAK TUBES

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	05/16/2002 22:41	05/27/2002 02:06	243.42	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	06/02/2002 16:08	06/02/2002 16:41	0.55	37.62	109.45	4308	AUTOMATIC TURBINE CONTROL SYSTEMS - DIGITAL CONTROL AND MONITORING; CONTROL SYSTEM TRIPPED STEAM TURBINE. POSSIBLE HEAT BUILD-UP IN CONTROL CABINET.
0003	D1	07/05/2002 16:34	07/05/2002 17:42	1.13	25.33	151.87	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; LIGHTENING STRIKE CAUSED "A" ENGINE TO TRIP.
0004	D1	07/05/2002 16:44	07/05/2002 17:21	0.62	95.46	228.78	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; STEAM TURBINE TRIPPED DUE TO LIGHTENING STRIKE.
0005	U1	07/10/2002 11:34	07/10/2002 12:55	1.35	100.00	714.15	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; CONTROL SYSTEM FAILURE TRIPPED ENTIRE UNIT.
0006	D1	07/11/2002 12:31	07/12/2002 00:55	12.40	54.63	3,583.60	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE TRIPPED BY CONTROLS BECAUSE OF HIGH VIBRATION
0007	MO	07/12/2002 20:48	07/15/2002 18:08	69.33	100.00	36,677.33	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE BALANCE SHOT
0008	D4	07/16/2002 01:50	07/16/2002 03:22	1.53	19.66	159.47	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; BROUGHT "A" ENGINE OFF TO REPAIR DAMAGED PRESSURE TRANSMITTER.
0009	RS	07/16/2002 01:50	07/16/2002 03:22	1.53	0.00	0.00	0000	RESERVE SHUTDOWN; PHANTOM RESERVE SHUTDOWN FOR EVENT #8.
0010	MO	07/16/2002 15:54	07/17/2002 19:40	27.77	100.00	14,688.57	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE BALANCE SHOT
0011	D1	07/29/2002 14:10	07/29/2002 15:09	0.98	43.29	225.18	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; "B" ENGINE COMPRESSOR DISCHARGE PRESSURE XMTR CAUSED A FLAMEOUT THAT TRIPPED THE ENG.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0012	D1	08/01/2002 16:13	08/01/2002 17:02	0.82	43.29	187.02	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; "B" GAS TURBINE FLAMED OUT, PROBABLY DUE TO COMPRESSOR DISCHARGE TRANSMITTER.
0013	U1	08/11/2002 16:07	08/11/2002 16:58	0.85	100.00	449.65	9900	OPERATOR ERROR; LOW DRUM LEVEL TRIP - HRSG A
0014	PO	10/02/2002 00:47	10/10/2002 05:12	196.42	100.00	103,904.42	5274	GENERAL UNIT INSPECTION; PLANNED OUTAGE FOR VENDORS TO CORRECT WARRANTY PROBLEMS.
0015	D1	10/10/2002 11:30	10/10/2002 15:03	3.55	49.91	937.20	5073	FLAME SCANNERS; FLAME SCANNER NOT WORKING - REPLACED FLAME SCANNER
0016	D1	10/10/2002 15:42	10/10/2002 16:26	0.73	33.08	128.33	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; HIGH VIBRATION OF THE STEAM TURBINE ON START-UP.
0017	D1	10/10/2002 18:58	10/11/2002 08:23	13.42	49.91	2,182.40	6112	OTHER HP STEAM VALVES (INCLUDING VENT AND DRAIN VALVES BUT NOT INCLUDING THE TURBINE STOP VALVES); HP EVAPORATOR ON "A" GAS TURBINE - NEWLY INSTALLED BELLOWS ON DRAIN VALVES LEAKING
0018	U1	10/10/2002 19:52	10/11/2002 01:01	5.15	100.00	2,724.35	5073	FLAME SCANNERS; "B" GAS TURBINE FLAME SCANNER - FLAME SCANNER WENT OUT
0019	D1	10/15/2002 00:04	10/15/2002 00:38	0.57	33.08	99.17	9900	OPERATOR ERROR; A HRSG HP DRUM LEVEL, A GTWAS ON RS & LPAMV201 WAS OPEN, HIGH HP DRUM LEVEL TRIPPED ST
0020	D1	10/15/2002 10:46	10/15/2002 11:25	0.65	33.08	113.75	4740	EMERGENCY GENERATOR TRIP DEVICES; ST SAW "ACCIDENTAL ENERGIZATION" TRIP OPENING
0021	D4	10/19/2002 18:40	10/20/2002 13:04	18.40	49.91	4,857.60	5001	HIGH SIDE BREAKER, OPERATOR TRIPPED ST INLET AIR VANES/NOZZLES; "A" GT HYDRAULIC OIL LEAK ON IGV ACTUATOR
0022	D1	10/28/2002 18:40	10/29/2002 00:42	6.03	49.91	1,592.80	5079	OTHER COMBUSTOR PROBLEMS; "B" GT FUEL STOP RATIO VALVE - HIGH TEMP EXHAUST SPREAD TRIP(B GT FLAMED OUT)
0023	D1	11/18/2002 11:39	11/18/2002 12:40	1.02	52.42	296.87	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; "A" ENGINE HIGH EXHAUST PRESSURE TRIP. VALVE TO TRANSMITTER WAS FOUND OPEN.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0024	RS	12/20/2002 10:41	12/25/2002 15:22	124.68	0.00	0.00	0000	RESERVE SHUTDOWN
0025	D1	12/25/2002 21:08	12/25/2002 22:16	1.13	69.48	438.60	6171	IP STARTUP BYPASS SYSTEM VALVES; "A" IP BYPASS VALVE WOULD NOT OPEN.
Smith A								
0001	RS	01/01/2002 00:00	02/15/2002 06:23	1086.38	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	02/15/2002 08:52	03/05/2002 06:04	429.20	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0003	RS	03/05/2002 09:01	04/29/2002 14:44	1324.72	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0004	RS	04/29/2002 15:16	05/06/2002 00:01	152.75	0.00	0.00	0000	RESERVE SHUTDOWN
0005	PO	05/06/2002 00:01	05/10/2002 13:40	109.65	100.00	3,508.80	5660	MAJOR OVERHAUL (GENERAL OVERHAUL ITEMS ONLY); ENGINE OVERHAUL.
0006	RS	05/10/2002 14:47	06/27/2002 09:57	1147.17	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0007	RS	06/27/2002 10:07	06/27/2002 11:16	1.15	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN.
0008	RS	06/27/2002 12:45	07/17/2002 13:07	480.37	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN.
0009	RS	07/17/2002 13:56	08/21/2002 14:15	840.32	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	08/21/2002 14:49	08/27/2002 13:08	142.32	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	08/27/2002 14:07	09/12/2002 07:58	377.85	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	09/12/2002 08:12	11/13/2002 08:54	1489.70	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0013	RS	11/13/2002 09:38	11/13/2002 13:05	3.45	0.00	0.00	0000	RESERVE SHUTDOWN
0014	RS	11/13/2002 13:59	12/19/2002 16:31	866.53	0.00	0.00	0000	RESERVE SHUTDOWN
0015	RS	12/19/2002 16:42	01/01/2003 00:00	295.30	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/16/2002 18:00	01/16/2002 19:30	1.50	51.50	387.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); 1B BOILER FEED PUMP FLOW TRANSMITTER FAIL AND LIMIT LOAD. REPLACED INKIND.
0002	RS	01/23/2002 22:40	01/25/2002 23:00	48.33	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AT CONTROL CENTER REQUEST
0003	PO	01/25/2002 23:00	02/03/2002 02:45	195.75	100.00	98,070.75	1590	STACKS; BOILER STACK REPAIR AND BOILER DUCTWORK BRACING AND REPAIR LEADING TO STACK
0004	U1	02/03/2002 03:00	02/03/2002 04:40	1.67	100.00	835.00	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); BOILER TRIP, COULDN'T PURGE BOILER AND IGNITORS FAIL, HAD TO TAKE UNIT OFF LINE
0005	D1	02/08/2002 19:00	02/08/2002 19:15	0.25	66.07	82.75	9270	WET COAL (OMC); WET COAL LIMIT LOAD.
0006	D1	02/08/2002 19:30	02/08/2002 19:45	0.25	57.09	71.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; THROTTLE PSI SWING AND LIMIT LOAD.
0007	D1	03/02/2002 06:00	03/02/2002 15:45	9.75	29.54	1,443.00	0250	PULVERIZER FEEDERS; 1-D FEEDER BELT TORN, REPLACED INKIND
0008	D1	03/12/2002 10:30	03/12/2002 11:15	0.75	5.39	20.25	9020	LIGHTNING; LIGHTNING STRUCK SSS TRANSFORMER
							3622	CONTRIBUTED TO PRIMARY CAUSE; STATION SERVICE STARTUP TRANS FORMER; SSS TRANSFORMER RELAY TRIPPED, REPLACED INKIND
							0880	CONTRIBUTED TO PRIMARY CAUSE; FLY ASH REMOVAL SYSTEM (NOT PRECIPITATORS, SCRUBBERS, MECHANICAL COLLECTORS, OR BAGHOUSES); LOST POWER TO FLYASH SYSTEM CONTROLS
							9630	CONTRIBUTED TO PRIMARY CAUSE; OPACITY; LOAD LOSS DUE TO HIGH OPACITY
0009	D3	03/15/2002 23:00	03/16/2002 06:18	7.30	41.12	1,503.80	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; INSPECTED 1A BOILER FEED PUMP TURBINE FOR VIBRATION PROBLEMS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0010	D1	03/20/2002 06:40	03/20/2002 07:10	0.50	5.59	14.00	0266	PRIMARY AIR HEATER FOULING; BLOCKAGE IN 1A AIR HEATER CAUSING FANS TO TOP OUT; BLEW AIR HEATER SOOT.
0011	D3	03/24/2002 08:00	03/24/2002 17:00	9.00	24.15	1,089.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; PULLED BEARING CAPS FOR TURBINE VIBRATION INSPECTION.
0012	MO	04/01/2002 05:04	04/06/2002 13:18	128.23	100.00	64,244.90	1493	AIR HEATER FOULING (REGENERATIVE); WASHED AIR HEATERS
0013	D1	04/08/2002 09:30	04/08/2002 16:55	7.42	54.09	2,009.92	8657	CONTRIBUTED TO PRIMARY CAUSE; FEEDWATER PUMP; ALIGNED BOILER FEED PUMP
0014	D4	04/13/2002 00:21	04/13/2002 04:00	3.65	29.14	532.90	3412	ASH HANDLING SYSTEM AND HOPPERS; ASH TRANSFER TANK PLUGGED
0015	D1	04/13/2002 06:00	04/13/2002 12:11	6.18	70.46	2,182.72	8699	FEEDWATER PUMP DRIVE - STEAM TURBINE; MAINTENANCE INSPECTED 1A BOILER FEED PUMP TURBINE FOR VIBRATION AND ALIGNMENT
0016	D1	04/13/2002 12:11	04/14/2002 08:00	19.82	31.34	3,111.22	3412	OTHER POLLUTION CONTROL PROBLEMS; UNIT DOWN ON LOAD DUE TO NUVA FEEDERS FAILED IN TRANSFER TANK
0017	D1	04/17/2002 07:43	04/17/2002 08:45	1.03	99.60	515.63	1710	FEEDWATER PUMP DRIVE - STEAM TURBINE; MAINTENANCE WORK ON 1A BOILER FEED PUMP TURBINE CONTINUES
0018	U3	04/20/2002 19:49	04/26/2002 16:18	140.48	100.00	70,382.15	3620	COMBUSTION / STEAM CONDITION CONTROLS; 1A ID AND FD FANS TRIPPED, REASON UNKNOWN
0019	D1	04/27/2002 10:00	04/27/2002 13:30	3.50	27.15	476.00	3431	MAIN TRANSFORMER; COMBUSTION GAS DETECTED AT MAIN POWER TRANSFORMER, SWITCHYARD CREW WORKING ON PROBLEM
0020	D2	05/12/2002 14:15	05/12/2002 17:45	3.50	4.99	87.50	4299	OTHER FEEDWATER VALVES; MIN.FLOW VALVE FAILED TO CLOSE ON 1B BFT AND LIMIT LOAD
0021	D1	05/22/2002 08:15	05/22/2002 11:53	3.63	1.60	29.07	3211	OTHER HYDRAULIC SYSTEM PROBLEMS; LOW LEVEL EH ALARM, OPERATOR CUT LOAD
0022	D1	05/24/2002 01:59	05/24/2002 04:24	2.42	98.20	1,189.00	0370	CIRCULATING WATER PUMP MOTORS; TOOK 1B CIRC. WATER PUMP OFF TO CHANGE OIL, HIGH BACKPRESSURE CAUSED REDUCED LOAD.
								BURNER INSTRUMENTS AND CONTROLS (EXCEPT LIGHT-OFF); FLAME SCANNER FAULT (BOILER TRIP)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0023	D1	05/26/2002 22:08	05/27/2002 01:32	3.40	71.06	1,210.40	1040	FIRST SUPERHEATER TUBE LEAKS; FAIL.MECH-TUBE FATIGUE. SUPERHEATER TUBE LEAK.
0024	U1	05/27/2002 01:32	05/28/2002 23:42	46.17	100.00	23,129.50	1040	FIRST SUPERHEATER TUBE LEAKS; FAIL.MECH-FATIGUE. SUPERHEATER TUBE LEAK REPAIR.
0025	D1	05/29/2002 17:45	05/29/2002 18:18	0.55	99.60	274.45	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; #1 OIL PUMP ON 1-B BFPT BURNED UP CAUSING BFPT TO TRIP AT FULL LOAD.
0026	D1	06/28/2002 16:00	06/30/2002 07:00	39.00	41.72	8,151.00	9270	WET COAL (OMC); WET COAL PROBLEMS LIMITED LOAD
0028	D1	07/02/2002 09:37	07/02/2002 10:27	0.83	2.20	9.17	9270	WET COAL (OMC); WET COAL
0027	D1	07/02/2002 19:24	07/02/2002 20:00	0.60	20.16	60.60	9270	CONTRIBUTED TO PRIMARY CAUSE; COMBUSTION / STEAM CONDITION CONTROLS; TURBINE & FUEL IN MANUAL DUE TO CONTROL SWING
0029	MO	07/23/2002 17:48	07/25/2002 00:54	31.10	100.00	15,581.10	1070	WET COAL (OMC); WET COAL - LOST 1A MILL FEEDER
0030	D1	08/05/2002 15:00	08/05/2002 19:30	4.50	12.57	283.50	0250	SECOND REHEATER TUBE LEAKS; REHEATER TUBE LEAK
0034	D1	08/09/2002 10:20	08/09/2002 10:40	0.33	23.15	38.67	9270	PULVERIZER FEEDERS; 1C FEEDER GEAR BOX REPAIR
0033	D1	08/09/2002 11:54	08/09/2002 12:20	0.43	23.15	50.27	9270	WET COAL (OMC); 1A FEEDER PLUGGED DUE TO WET COAL
0035	D1	08/09/2002 14:10	08/09/2002 14:27	0.28	23.15	32.87	9270	WET COAL (OMC); 1B FEEDER PLUGGED DUE TO WET COAL
0031	D1	08/09/2002 15:24	08/09/2002 19:30	4.10	23.15	475.60	9270	WET COAL (OMC); 1C FEEDER PLUGGED DUE TO WET COAL
0032	D1	08/09/2002 19:30	08/10/2002 00:14	4.73	4.19	99.40	9270	WET COAL (OMC); FEEDERS ARE PLUGGING DUE TO WET COAL
0037	D1	08/22/2002 13:25	08/22/2002 13:35	0.17	14.57	12.17	9270	WET COAL (OMC); WET COAL CAUSED 1E FEEDER TO TRIP
0036	D1	08/22/2002 13:35	08/22/2002 13:55	0.33	29.54	49.33	9270	WET COAL (OMC); 1B FEEDER TRIPPED DUE TO WET COAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0038	D1	08/22/2002 13:55	08/22/2002 14:10	0.25	14.57	18.25	9270	WET COAL (OMC); WET COAL CAUSED 1E FEEDER TO TRIP
0039	D1	09/25/2002 07:05	09/27/2002 17:15	58.17	8.18	2,384.83	9270	WET COAL (OMC); WET COAL PROBLEMS LIMITED LOAD
0040	D1	09/28/2002 19:30	09/29/2002 20:30	25.00	4.19	525.00	9270	WET COAL (OMC); WET COAL PROBLEMS LIMITED LOAD
0041	D1	09/30/2002 17:30	09/30/2002 20:30	3.00	18.16	273.00	9270	WET COAL (OMC); WET COAL PROBLEMS LIMITED LOAD
0042	D1	10/08/2002 14:30	10/08/2002 15:04	0.57	5.19	14.73	0320	FOREIGN OBJECT IN PULVERIZER MILL; SCRAP METAL IN 1A MILL
0043	D1	10/10/2002 21:08	10/10/2002 23:45	2.62	1.20	15.70	0250	PULVERIZER FEEDERS; 1E FEEDER GEAR BUSTED
0044	D1	10/11/2002 03:24	10/11/2002 10:00	6.60	92.22	3,049.20	3644	PROTECTION DEVICES; LOST SET OF ID & FD FANS (GROUND FAULT)
							0380	AFTER STARTUP, DELAYED UNIT FROM REACHING LOAD POINT; LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); SEVERAL BOILER TRIPS FOLLOWED START-UP INCLUDING OIL GUNS TRIP & ID FANS TRIP
0045	D1	10/11/2002 12:10	10/11/2002 13:05	0.92	14.17	65.08	9270	WET COAL (OMC); WET COAL LIMITED LOAD
0046	D1	10/12/2002 03:16	10/12/2002 04:29	1.22	19.16	116.80	0320	FOREIGN OBJECT IN PULVERIZER MILL; LARGE PIECE OF REBAR IN 1B MILL
0047	D1	10/15/2002 19:00	10/15/2002 20:20	1.33	4.19	28.00	9270	WET COAL (OMC); WET COAL LIMITED LOAD
0048	MO	10/18/2002 00:17	10/18/2002 17:13	16.93	100.00	8,483.60	3420	FEEDWATER PIPING AND SUPPORTS; REPAIR LEAK ON HP HEATER ON BYPASS LINE
0049	D1	10/26/2002 21:50	10/27/2002 00:20	2.50	22.55	282.50	0250	PULVERIZER FEEDERS; 1A & 1B FEEDERS TRIPPED AND LIMITED LOAD REMOVED CONCRETE FROM FEEDER
0050	D1	10/29/2002 06:15	10/29/2002 09:20	3.08	4.99	77.08	9270	WET COAL (OMC); 1D FEEDER TRIPPED WITH WET COAL
0051	D1	10/29/2002 16:00	10/29/2002 16:45	0.75	1.40	5.25	9270	WET COAL (OMC); WET COAL LIMITED LOAD
0052	D1	10/30/2002 11:45	10/30/2002 12:05	0.33	20.16	33.67	9270	WET COAL (OMC); 1B FEEDER TRIPPED WITH WET COAL
0053	D1	10/31/2002 08:40	10/31/2002 09:00	0.33	18.16	30.33	9270	WET COAL (OMC); 1B FEEDER TRIPPED WITH WET COAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0054	D1	10/31/2002 11:30	10/31/2002 11:45	0.25	18.16	22.75	9270	WET COAL (OMC); FEEDER TRIPPED WITH WET COAL
0055	PD	11/01/2002 06:00	11/01/2002 16:34	10.57	18.16	961.57	0250	PULVERIZER FEEDERS; UPGRADE CONTROLS ON 1E FEEDER
0056	D1	11/01/2002 16:34	11/01/2002 18:00	1.43	44.11	316.77	0340	OTHER PULVERIZER PROBLEMS; 1A MILL EXPLOSION DOOR BLEW OFF
0057	D1	11/01/2002 18:00	11/02/2002 08:41	14.68	18.16	1,336.18	0340	OTHER PULVERIZER PROBLEMS; 1A MILL EXPLOSION DOOR REPAIR LIMITED LOAD
0058	D1	11/02/2002 08:41	11/02/2002 09:15	0.57	40.12	113.90	9270	WET COAL (OMC); WET COAL PLUGGED FEEDER B
0059	D1	11/02/2002 09:15	11/02/2002 09:45	0.50	40.12	100.50	9270	WET COAL (OMC); REMOVED 1D FEEDER FROM SERVICE TO CLEAN BEFORE RAISING LOAD TO PREVENT TRIP
0060	D1	11/02/2002 09:55	11/02/2002 10:15	0.33	40.12	67.00	9270	WET COAL (OMC); REMOVED 1C FEEDER FROM SERVICE TO CLEAN BEFORE RAISING LOAD TO PREVENT TRIP
0061	D1	11/02/2002 10:26	11/02/2002 11:00	0.57	40.12	113.90	9270	WET COAL (OMC); REMOVED 1E FEEDER FROM SERVICE TO CLEAN BEFORE RAISING LOAD TO PREVENT TRIP
0062	D1	11/02/2002 12:44	11/03/2002 02:35	13.85	11.18	775.60	0340	OTHER PULVERIZER PROBLEMS; 1A MILL EXPLOSION DOOR REPAIR CONTINUED
0063	D1	11/03/2002 04:45	11/03/2002 23:35	18.83	16.17	1,525.50	0280	PULVERIZER FIRES; 1A MILL FIRE, 1D MILL FEEDER UPGRADE
0064	PD	11/06/2002 20:35	11/07/2002 16:36	20.02	9.78	980.82	0250	PULVERIZER FEEDERS; 1E FEEDER OFF FOR CONTROL UPGRADE
0065	D1	11/08/2002 04:15	11/08/2002 06:55	2.67	46.11	616.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 1A BFPT LVDT BAD ON LP GOVERNOR VALVE
0066	D2	11/09/2002 10:20	11/09/2002 11:35	1.25	3.79	23.75	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); C MILL COAL LEAK REPAIR, LIMIT LOAD
0067	D2	11/11/2002 07:40	11/11/2002 09:20	1.67	14.57	121.67	0075	STORAGE SILOS/HOPPERS; HOLE IN FEEDER SILO GATE
0068	D1	11/11/2002 12:00	11/11/2002 13:30	1.50	19.96	150.00	0250	PULVERIZER FEEDERS; PIECE OF PIPE STUCK IN FEEDER
0069	D1	11/11/2002 19:05	11/11/2002 19:40	0.58	22.16	64.75	9270	WET COAL (OMC); 1E FEEDER PLUGGED WITH WET COAL
0070	D1	11/12/2002 20:40	11/12/2002 20:55	0.25	24.15	30.25	9270	WET COAL (OMC); 1A FEEDER TRIPPED WITH WET COAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0071	D1	11/15/2002 07:15	11/15/2002 07:45	0.50	20.16	50.50	9270	WET COAL (OMC); 1A FEEDER TRIPPED WITH WET COAL
0072	D1	11/15/2002 12:10	11/15/2002 12:20	0.17	22.16	18.50	9270	WET COAL (OMC); 1B FEEDER TRIPPED WITH WET COAL
0073	D1	11/15/2002 15:25	11/15/2002 15:40	0.25	18.16	22.75	9270	WET COAL (OMC); 1B FEEDER TRIPPED WITH WET COAL
0074	D1	11/15/2002 16:20	11/15/2002 16:35	0.25	19.16	24.00	9270	WET COAL (OMC); 1A FEEDER TRIPPED WITH WET COAL
0075	D1	11/15/2002 21:15	11/15/2002 21:33	0.30	16.77	25.20	9270	WET COAL (OMC); 1B FEEDER PLUGGED WITH WET COAL
0076	D1	11/15/2002 21:35	11/15/2002 22:15	0.67	15.97	53.33	9270	WET COAL (OMC); 1C FEEDER PLUGGED WITH WET COAL
0077	D1	11/17/2002 22:15	11/18/2002 01:00	2.75	14.17	195.25	0250	PULVERIZER FEEDERS; 1E FEEDER GEARBOX WORK
0078	D2	11/19/2002 22:31	11/19/2002 23:47	1.27	8.18	51.93	0250	PULVERIZER FEEDERS; 1B FEEDER - CLEAN OUT CHAIN MOTOR, NOT WORKING
0079	D1	11/26/2002 15:15	11/26/2002 19:00	3.75	9.78	183.75	0250	PULVERIZER FEEDERS; E FEEDER TRIPPED, LIMIT LOAD
0080	D1	12/02/2002 07:50	12/02/2002 08:30	0.67	20.16	67.33	9910	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN TRIPPED FEEDER WHILE WORKING ON CLEANOUT PROBLEM
0081	D1	12/02/2002 11:40	12/02/2002 12:50	1.17	20.16	117.83	0250	PULVERIZER FEEDERS; FEEDER TRIPPED
0082	D1	12/17/2002 05:15	12/17/2002 12:05	6.83	40.52	1,387.17	3440	HIGH PRESSURE HEATER TUBE LEAKS; 7A HEATER TUBE FAILURE
0083	D1	12/17/2002 12:05	12/19/2002 15:00	50.92	0.60	152.75	3440	HIGH PRESSURE HEATER TUBE LEAKS; CONTINUATION OF 7A HEATER TUBE FAILURE LOAD LIMIT
0084	D1	12/19/2002 15:00	12/19/2002 17:30	2.50	15.17	190.00	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; SCRAPER BROKE IN MILL
0085	D1	12/19/2002 17:30	01/01/2003 00:00	294.50	0.60	883.50	3440	HIGH PRESSURE HEATER TUBE LEAKS; CONTINUATION OF 7A HEATER TUBE FAILURE LOAD LIMIT

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D3	01/08/2002 16:00	01/09/2002 07:02	15.03	17.84	1,368.03	1200	OPERATION AT REDUCED POWER TO AVOID SLAGGING OR FOULING EXCEPT WATERWALLS (FURNACE WALLS)(USE CODES 1100-1190 TO REPORT POWER REDUCTIONS FOR SLAG ACCUMULATION OR SLAG REMOVAL); OPERATOR REDUCED LOAD DUE TO REHEATER TUBE LEAK SECOND REHEATER TUBE LEAKS; UNIT OFF LINE DUE TO REHEATER TUBE LEAK. REPAIR TUBE INKIND.
0002	U3	01/09/2002 07:02	01/11/2002 03:19	44.28	100.00	22,584.50	1070	OTHER POLLUTION CONTROL PROBLEMS; LOST STEAM TO SO3, CAUSED HIGH OPACITY AND LIMIT LOAD
0003	D1	01/15/2002 15:15	01/15/2002 16:29	1.23	6.67	41.93	8699	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); 8-YEAR HP/IP INSPECTION
0004	PO	01/18/2002 23:13	04/12/2002 17:13	2009.00	100.00	1,025,710.87	4400	MAJOR COMPONENT WORKED DURING EVENT; SECOND REHEATER TUBE LEAKS; NO LEAK EXISTED, REHEATER WAS REPLACED DUE TO PREVIOUS RECURRING LEAKS
							0891	MAJOR COMPONENT WORKED DURING EVENT; BOTTOM ASH HOPPERS (INCLUDING GATES); REPAIR REFRACTORY TO BOTTOM ASH HOPPER
							0345	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER OVERHAUL; REBUILD 2A AND 2D MILLS
							1810	MAJOR COMPONENT WORKED DURING EVENT; OTHER BOILER INSPECTIONS; BOILER INSPECTION INCLUDING BOILER SCAFFOLDING
							1060	MAJOR COMPONENT WORKED DURING EVENT; FIRST REHEATER TUBE LEAKS; NO LEAK EXISTED, REHEATER WAS REPLACED DUE TO PREVIOUS RECURRING LEAKS
0005	PO	04/12/2002 17:58	04/13/2002 07:45	13.78	100.00	7,084.63	4710	GENERATOR METERING DEVICES; PROBLEM WITH NEW CONTROLS, UNIT WAS NOT INDICATING ANY GENERATION

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0006	PO	04/13/2002 07:50	04/13/2002 15:49	7.98	100.00	4,103.43	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIPPED WHEN FEEDER STARTED
0007	PO	04/13/2002 16:07	04/14/2002 00:38	8.52	100.00	4,377.57	4640	SEAL OIL SYSTEM AND SEALS; SEAL OIL UNIT LEAK, BOLT NOT TIGHT ENOUGH FROM OUTAGE WORK
0008	PO	04/14/2002 06:16	04/14/2002 07:19	1.05	100.00	539.70	4460	TURBINE OVERSPEED TRIP TEST; TOOK UNIT OFF LINE FOR OVERSPEED TEST
0009	D1	04/17/2002 12:00	04/18/2002 09:55	21.92	3.89	438.33	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); SAFETY VALVE LEAK, REDUCED LOAD.
0010	D1	04/19/2002 12:30	04/19/2002 19:45	7.25	16.34	609.00	9630	OPACITY; OPERATOR LIMITED LOAD DUE TO HIGH OPACITY.
0011	D1	04/19/2002 19:45	04/19/2002 20:02	0.28	35.80	52.13	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED & LIMITED LOAD.
0012	D1	04/19/2002 23:22	04/20/2002 00:35	1.22	91.44	571.83	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED & BOILER TRIPPED
0013	D1	04/20/2002 07:40	04/20/2002 22:55	15.25	14.98	1,174.25	0310	PULVERIZER MILLS; 2E MILL OUT FOR MAINTENANCE, LIMITED LOAD.
0014	D1	04/21/2002 10:30	04/21/2002 11:25	0.92	63.81	300.67	1999	BOILER, MISCELLANEOUS; BOILER TRIPPED, CAUSE UNKNOWN.
0015	U1	04/21/2002 11:25	04/21/2002 20:16	8.85	100.00	4,548.90	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); OPER. TRIPPED TURBINE DUE TO BOILER TRIP & START-UP PROBLEMS
0016	D1	04/21/2002 23:16	04/22/2002 00:33	1.28	91.83	605.73	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); FEEDWATER CONTROL PROBLEMS
0017	U1	04/22/2002 00:33	04/22/2002 05:29	4.93	100.00	2,535.73	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); TRIPPED TURBINE DUE TO CONTINUATION OF START-UP PROBLEMS
0018	D1	04/22/2002 06:01	04/22/2002 06:15	0.23	99.03	118.77	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); BOILER TRIPPED DUE TO HIGH DRUM LEVEL
0019	D1	04/22/2002 06:45	04/22/2002 07:10	0.42	99.03	212.08	1710	COMBUSTION / STEAM CONDITION CONTROLS; TRIPPED BOILER TO CHANGE OUT PA FAN HEA RELAY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0020	D1	04/22/2002 10:20	04/22/2002 14:30	4.17	46.50	995.83	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); 2A BFPT KEEPS TRIPPING AND LIMITING LOAD
0021	D1	04/23/2002 08:22	04/23/2002 16:27	8.08	14.01	582.00	9630	OPACITY; HIGH OPACITY, LIMIT LOAD, SHUTDOWN 2E MILL
0022	D1	04/23/2002 17:30	04/23/2002 18:00	0.50	14.40	37.00	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED, FOUND FLOW SWITCH CAUSED THE TRIP
0023	D1	04/23/2002 19:20	04/23/2002 19:50	0.50	14.40	37.00	0250	PULVERIZER FEEDERS; 2B FEEDER FLOW SWITCH TRIPPED FEEDER AGAIN
0024	D1	04/24/2002 04:40	04/24/2002 05:06	0.43	73.54	163.80	0340	OTHER PULVERIZER PROBLEMS; LOST SEAL AIR TO 2B MILL, MILL TRIP, LOAD LIMIT
0025	D1	04/24/2002 06:00	04/24/2002 06:15	0.25	77.43	99.50	0340	OTHER PULVERIZER PROBLEMS; 2B MILL TRIPPED & LIMIT LOAD, LOST SEAL AIR TO MILLS
0026	D1	04/24/2002 09:00	04/24/2002 09:55	0.92	14.98	70.58	9630	OPACITY; HIGH OPACITY, LIMIT LOAD
0027	D1	04/27/2002 19:30	04/27/2002 20:27	0.95	8.56	41.80	9630	OPACITY; HIGH OPACITY, LIMIT LOAD
0028	U1	05/02/2002 18:36	05/03/2002 15:52	21.27	100.00	10,931.07	1020	CONVECTION PASS WALL TUBE LEAKS(WATER TUBES ONLY; WATER COOLED SPACER TUBE LEAK REPAIR (METAL OR STRESS FATIGUE)
0029	MO	05/03/2002 15:52	05/05/2002 07:37	39.75	100.00	20,431.50	4262	INTERCEPT VALVES; INTERCEPT VALVE AND THROTTLE VALVE STRAINERS REMOVED
0030	D1	05/05/2002 20:40	05/05/2002 21:30	0.83	24.12	103.33	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0031	D1	05/06/2002 13:00	05/06/2002 13:30	0.50	45.53	117.00	9910	MAINTENANCE PERSONNEL ERROR; MAINTENANCE TRIPPED 2B BOILER FEED PUMP AND LIMITED LOAD
0032	U1	05/06/2002 13:30	05/06/2002 19:01	5.52	100.00	2,835.57	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); BOILER & TURBINE TRIP, ID & FD FANS TRIPPED, LIGHT OFF SYSTEM FAIL
0033	D1	05/07/2002 10:30	05/07/2002 21:45	11.25	24.90	1,440.00	9630	OPACITY; HIGH OPACITY, LIMIT LOAD
0034	D1	05/11/2002 14:00	05/11/2002 15:45	1.75	12.45	112.00	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); 2B MILL COLD AIR DAMPENER WENT CLOSED CAUSING HIGH MILL INT.TEMP CAUSING BOILER UPSET
0035	D1	05/23/2002 20:39	05/23/2002 21:56	1.28	12.84	84.70	1599	OTHER AIR AND GAS HANDLING PROBLEMS; BOILER VIBRATION REDUCED LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0036	D1	05/24/2002 07:30	05/24/2002 12:30	5.00	47.08	1,210.00	3416	OTHER FEEDWATER PUMP PROBLEMS; 2B BFP ROLLED FROM 100 TO 4700 RPMS WITHIN SECONDS, OPER. TRIP PUMP, LIMIT LOAD.
0037	U1	05/29/2002 07:13	05/29/2002 09:15	2.03	100.00	1,045.13	3644	PROTECTION DEVICES; UNIT SELECTOR SWITCH MOVED WHICH CAUSED A LOAD REJECTION ON UNIT 2.
0038	D1	05/29/2002 11:15	05/29/2002 11:55	0.67	47.47	162.67	3414	FEEDWATER PUMP LOCAL CONTROLS; 2A BFP LP STOP VALVE STUCK SHUT, LIMITED LOAD TO 290.
0039	D1	06/20/2002 01:45	06/20/2002 02:45	1.00	97.67	502.00	9920	CONTRACTOR ERROR; SCS HAD A VALVE INADVERTENTLY ISOLATED DURING TESTING
0040	D1	06/20/2002 15:30	06/20/2002 15:40	0.17	56.61	48.50	9920	CONTRACTOR ERROR; SCS REMOVING TEST EQUIPMENT
0041	U1	06/23/2002 04:00	06/23/2002 07:48	3.80	100.00	1,953.20	4299	OTHER HYDRAULIC SYSTEM PROBLEMS; TURBINE & BOILER TRIPPED
0042	D1	06/28/2002 15:21	06/28/2002 15:45	0.40	82.49	169.60	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; WHILE SWAPPING DROPS 3 MILLS TRIPPED AND LIMITED LOAD
0043	D1	06/28/2002 20:00	06/29/2002 20:40	24.67	38.72	4,908.67	9270	WET COAL (OMC); WET COAL PROBLEMS LIMITED LOAD
0045	D1	07/02/2002 15:54	07/02/2002 16:15	0.35	14.40	25.90	9270	WET COAL (OMC); WET COAL - C FEEDER TRIPPED AND LIMITED LOAD
0044	D1	07/03/2002 12:10	07/03/2002 13:38	1.47	65.76	495.73	9270 1480	WET COAL (OMC); WET COAL MAJOR COMPONENT WORKED DURING EVENT; OTHER INDUCED DRAFT FAN PROBLEMS; COULDN'T GET "B" ID FAN PERMISSIVE TO START FAN
0046	D4	07/06/2002 10:45	07/06/2002 23:05	12.33	1.75	111.00	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD TO PREVENT GENERATOR DAMAGE PENDING MAINT. OUTAGE.
0047	D4	07/07/2002 14:50	07/07/2002 23:31	8.68	3.70	164.98	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD TO PREVENT GENERATOR DAMAGE PENDING MAINT OUTAGE.
0048	D4	07/08/2002 11:30	07/08/2002 23:14	11.73	2.92	176.00	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD AS PRECAUTIONARY MEASURE AGAINST GENERATOR DAMAGE PENDING MO

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0049	D4	07/10/2002 06:00	07/10/2002 06:30	0.50	5.06	13.00	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD AS PRECAUTIONARY MEASURE AGAINST GENERATOR DAMAGE PENDING MO
0050	D1	07/10/2002 06:32	07/10/2002 08:30	1.97	11.67	118.00	9270	WET COAL (OMC); OPERATOR LIMIT LOAD DUE TO WET COAL
0051	D4	07/11/2002 10:00	07/11/2002 12:30	2.50	4.86	62.50	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD AS PRECAUTIONARY MEASURE AGAINST GENERATOR DAMAGE PENDING MO
0052	D4	07/12/2002 18:00	07/12/2002 21:30	3.50	4.09	73.50	4650	OTHER COOLING SYSTEM; OPERATOR REDUCED LOAD AS PRECAUTIONARY MEASURE AGAINST GENERATOR DAMAGE PENDING MO
0053	MO	07/12/2002 23:31	07/15/2002 21:38	70.12	100.00	36,039.97	4611	HYDROGEN COOLERS; INSTALL SIDE BAFFLES AND REVERSE HYDROGEN COOLER BLOWER BLADES
0054	U1	07/16/2002 01:46	07/16/2002 17:44	15.97	100.00	8,206.87	0770	OTHER BOILER RECIRCULATION PROBLEMS; OPERATOR TOOK UNIT OFF LINE DUE TO LEAK ON BWCP COOLING SYSTEM
0055	D1	07/24/2002 21:25	07/24/2002 22:30	1.08	11.48	63.92	0340	OTHER PULVERIZER PROBLEMS; DISCHARGE VALVES CLOSED ON 2A MILL, BAD SOLENOID
0056	D1	07/27/2002 13:57	07/27/2002 14:26	0.48	26.85	66.70	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED
0057	D1	08/07/2002 13:14	08/07/2002 14:35	1.35	17.51	121.50	9270	WET COAL (OMC); 2E FEEDER BEGAN TO BUILD UP DUE TO WET COAL
0058	D1	08/07/2002 16:35	08/07/2002 17:30	0.92	13.62	64.17	9270	WET COAL (OMC); 2E FEEDER TRIPPED DUE TO WET COAL, CLEANED FEEDER
0059	D1	08/08/2002 09:45	08/08/2002 10:30	0.75	26.46	102.00	9270	WET COAL (OMC); 2D FEEDER PLUGGED DUE TO WET COAL, CUT LOAD, CLEANED FEEDER
0060	D1	08/08/2002 20:00	08/08/2002 21:40	1.67	21.40	183.33	9270	WET COAL (OMC); 2E FEEDER PLUGGED DUE TO WET COAL
0064	D1	08/09/2002 10:20	08/09/2002 11:45	1.42	24.71	179.92	9270	WET COAL (OMC); 2C FEEDER PLUGGED DUE TO WET COAL
0065	D1	08/09/2002 13:15	08/09/2002 14:30	1.25	26.46	170.00	9270	WET COAL (OMC); 2B FEEDER TRIPPED DUE TO WET COAL, CUT LOAD, CLEANED OUT
0066	D1	08/09/2002 14:55	08/09/2002 15:34	0.65	26.46	88.40	9270	WET COAL (OMC); 2E FEEDER TRIPPED, CUT LOAD, CLEANED OUT (WET COAL)
0067	D1	08/09/2002 16:00	08/09/2002 16:40	0.67	26.46	90.67	9270	WET COAL (OMC); 2A FEEDER TRIPPED, CUT LOAD, CLEANED OUT (WET COAL)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0061	D1	08/09/2002 20:59	08/09/2002 22:15	1.27	21.60	140.60	9270	WET COAL (OMC); 2E FEEDER PLUGGED DUE TO WET COAL, CUT LOAD, UNPLUGGED FEEDER
0062	D1	08/10/2002 00:20	08/10/2002 00:42	0.37	30.54	57.57	9270	WET COAL (OMC); 2E FEEDER PLUGGED, CUT LOAD, UNPLUGGED FEEDER
0063	D1	08/11/2002 17:20	08/11/2002 17:51	0.52	16.73	44.43	9270	WET COAL (OMC); 2E FEEDER PLUGGED, TRIPPED. CUT LOAD, UNPLUGGED FEEDER.
0068	D1	08/12/2002 10:51	08/12/2002 11:01	0.17	11.48	9.83	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED, SHOWING PLUGGED BUT WASN'T PLUGGED
0069	D1	08/22/2002 10:45	08/22/2002 11:59	1.23	16.34	103.60	9270	WET COAL (OMC); WET COAL CAUSED 2E FEEDER TO TRIP
0070	D1	08/23/2002 11:25	08/23/2002 12:45	1.33	21.60	148.00	9270	WET COAL (OMC); WET COAL CAUSED 2E FEEDER TO TRIP
0071	D1	08/23/2002 14:00	08/23/2002 14:52	0.87	21.60	96.20	9270	WET COAL (OMC); WET COAL CAUSED 2D FEEDER TO TRIP
0072	D1	08/29/2002 06:05	08/29/2002 07:00	0.92	35.80	168.67	0340	OTHER PULVERIZER PROBLEMS; MAINTENANCE SETTING RING CLEARANCE ON 2D MILL
0073	D1	09/20/2002 21:20	09/21/2002 04:35	7.25	16.34	609.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; CUT LOAD TO 450, FUEL IN MANUAL DUE TO PRESSURE SWING
0074	D1	09/21/2002 08:37	09/21/2002 14:44	6.12	53.50	1,682.08	4261	CONTROL VALVES; #2 THROTTLE VALVE WENT 63% CLOSED
0075	D1	09/21/2002 21:40	09/21/2002 22:09	0.48	20.23	50.27	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED, PLUGGING SWITCH
0076	D1	09/25/2002 08:30	09/27/2002 05:00	44.50	11.28	2,581.00	9270	WET COAL (OMC); WET COAL PROBLEMS
0077	D1	09/27/2002 05:30	09/28/2002 06:00	24.50	12.26	1,543.50	9270	WET COAL (OMC); WET COAL PROBLEMS
0078	D1	09/28/2002 10:58	09/28/2002 11:58	1.00	26.07	134.00	9270	WET COAL (OMC); WET COAL, 2E FEEDER PLUGGED
0079	D1	09/29/2002 10:20	09/29/2002 10:30	0.17	26.07	22.33	9270	WET COAL (OMC); WET COAL PROBLEMS
0080	D1	09/29/2002 20:30	09/29/2002 21:35	1.08	26.07	145.17	9270	WET COAL (OMC); WET COAL PROBLEMS
0081	D1	09/30/2002 16:18	09/30/2002 18:08	1.83	9.53	89.83	0250	PULVERIZER FEEDERS; 2B FEEDER BELT BROKE AND TRIPPED FEEDER
0082	D1	09/30/2002 18:50	09/30/2002 19:11	0.35	41.44	74.55	9270	WET COAL (OMC); 2C FEEDER TRIPPED (PLUGGED) DUE TO WET COAL PROBLEMS
0083	D1	09/30/2002 23:28	10/01/2002 00:30	1.03	26.65	141.57	9270	WET COAL (OMC); 2B FEEDER PLUGGED DUE TO WET COAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0084	PO	10/06/2002 01:23	10/12/2002 10:42	153.32	100.00	78,804.77	4611	HYDROGEN COOLERS; RODDING HYDROGEN COOLERS DUE TO HIGH GAS TEMPS
							0310	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER MILLS; OVERHAUL E MILL, AND C MILL SEALS
							1810	MAJOR COMPONENT WORKED DURING EVENT; OTHER BOILER INSPECTIONS; INSPECT BOILER, REPAIR AS NECESSARY
							3661	MAJOR COMPONENT WORKED DURING EVENT; 4000-7000 VOLT CIRCUIT BREAKERS; INSPECT 4160 BREAKERS, REPAIR AS NECESSARY
0085	D1	10/12/2002 11:05	10/12/2002 14:00	2.92	96.30	1,443.75	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); SEVERAL BOILER TRIPS AFTER TYING ON LINE LIGHT-OFF SYSTEM PROBLEMS
0086	D1	10/13/2002 08:30	10/13/2002 20:40	12.17	9.73	608.33	0255	PULVERIZER FEEDER COAL SCALES; 2E FEEDER COAL FLOW ERROR - FEEDER OUT FOR MAINTENANCE CALIBRATION
0087	D1	10/13/2002 21:32	10/13/2002 22:15	0.72	5.64	20.78	0250	PULVERIZER FEEDERS; 2C FEEDER TRIPPED, SOMETHING CAME THROUGH THE FEEDER
0088	D1	10/14/2002 00:40	10/14/2002 02:04	1.40	99.61	716.80	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); BOILER TRIPPED RAN 2B BFP DOWN BUT 2A BFP WOULDN'T CONTROL DRUM LEVEL
0089	U1	10/14/2002 02:04	10/14/2002 07:08	5.07	100.00	2,604.27	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); OPER. TOOK TURBINE OFF LINE DUE TO BOILER TRIP AND LOW PRESSURE
0090	D1	10/17/2002 04:42	10/17/2002 16:00	11.30	37.94	2,203.50	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; LG. AMT. OF WATER IN OIL RESERVOIR ON 2B BFP. DRAINED WATER FROM OIL, CHANGED FILTERS.
0091	D1	10/26/2002 14:35	10/26/2002 17:35	3.00	14.98	231.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; STEEL ROD IN 2A MILL
0092	D1	10/27/2002 13:26	10/27/2002 13:45	0.32	12.84	20.90	0250	PULVERIZER FEEDERS; 2C FEEDER PLUGGED
0093	D1	10/29/2002 09:45	11/29/2002 18:48	753.05	9.14	35,184.98	9270	WET COAL (OMC); WET COAL CONDITIONS, 2B FEEDER TRIPPED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0094	D1	10/30/2002 05:41	10/30/2002 07:44	2.05	22.18	137.35	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED DUE TO LARGE ROCK ON FEEDER BELT
0095	D1	10/30/2002 14:18	10/30/2002 15:34	1.27	19.07	64.60	0320	FOREIGN OBJECT IN PULVERIZER MILL; FEEDER TRIP (SOMETHING IN THE MILL) AND HAD TO TRIP THE MILL OFF
0096	D1	10/31/2002 08:50	10/31/2002 09:38	0.80	21.01	48.80	9270	WET COAL (OMC); FEEDER TRIP CAUSED BY PLUGGING DUE TO WET COAL
0097	D1	10/31/2002 19:03	10/31/2002 21:40	2.62	21.21	162.23	0250	PULVERIZER FEEDERS; 2D FEEDER BELT BROKE
0098	D1	11/01/2002 12:22	11/01/2002 13:12	0.83	21.21	51.67	9270	WET COAL (OMC); 2C FEEDER PLUGGED DUE TO WET COAL
0099	D1	11/01/2002 13:45	11/01/2002 14:33	0.80	21.21	49.60	9270	WET COAL (OMC); FEEDER PLUGGED DUE TO WET COAL
0100	D1	11/01/2002 14:33	11/01/2002 14:44	0.18	21.21	11.37	9270	WET COAL (OMC); FEEDER PLUGGED DUE TO WET COAL
0101	D1	11/01/2002 14:44	11/01/2002 15:17	0.55	35.80	75.35	9270	WET COAL (OMC); PLUGGED FEEDER (2A) DUE TO WET COAL
0102	D1	11/01/2002 16:15	11/01/2002 17:35	1.33	29.38	138.67	0320	FOREIGN OBJECT IN PULVERIZER MILL; 2A FEEDER TRIPPED DUE TO A PIECE OF REBAR IN MILL
0103	D1	11/02/2002 11:37	11/02/2002 13:20	1.72	26.07	149.35	9270	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); B FEEDER PLUGGED DUE TO WET COAL
0104	D1	11/02/2002 13:55	11/02/2002 23:45	9.83	14.01	245.83	9270	WET COAL (OMC); 2E FEEDER PLUGGED DUE TO WET COAL
0105	D1	11/03/2002 09:00	11/03/2002 09:59	0.98	4.09	0.00	0250	WET COAL (OMC); 2E FEEDER PLUGGED DUE TO WET COAL
0106	D1	11/03/2002 12:15	11/03/2002 16:00	3.75	7.00	0.00	9270	PULVERIZER FEEDERS; 2E FEEDER WOULDN'T START
0107	D1	11/04/2002 08:36	11/04/2002 09:00	0.40	15.56	13.20	9270	WET COAL (OMC); 2C FEEDER TRIPPED DUE TO WET COAL
0108	D1	11/05/2002 06:00	11/05/2002 16:12	10.20	37.55	1,489.20	9270	WET COAL (OMC); 2E FEEDER TRIPPED DUE TO WET COAL
0109	U1	11/06/2002 13:47	11/06/2002 18:13	4.43	100.00	2,278.73	9910	WET COAL (OMC); WET COAL LIMITED LOAD MAINTENANCE PERSONNEL ERROR; I&C TRIPPED TURBINE WHILE WORKING ON DROP

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0110	D1	11/06/2002 23:00	11/07/2002 01:30	2.50	71.79	805.00	8590	OTHER PRECIPITATOR PROBLEMS; 2B ID FAN LOW AMPS, PRECIPITATOR DAMPER WENT CLOSED AND LIMITED LOAD
0111	D1	11/07/2002 05:35	11/07/2002 06:00	0.42	26.07	36.25	9630	OPACITY; HIGH OPACITY, LIMIT LOAD
0112	D1	11/07/2002 22:50	11/08/2002 02:50	4.00	26.07	348.00	9270	WET COAL (OMC); WET COAL LIMITED LOAD
0113	D1	11/10/2002 12:50	11/10/2002 13:10	0.33	16.34	12.33	0250	PULVERIZER FEEDERS; CONCRETE IN 2C FEEDER
0114	D1	11/11/2002 05:45	11/11/2002 06:23	0.63	45.14	117.17	0250	PULVERIZER FEEDERS; D FEEDER FAILED TO RUN, LIMITED LOAD
0115	D1	11/11/2002 11:40	11/11/2002 14:00	2.33	25.68	198.33	9270	WET COAL (OMC); 2B & 2D FEEDERS PLUGGED WITH WET COAL
0116	D1	11/11/2002 14:00	11/11/2002 15:43	1.72	25.68	145.92	9270	WET COAL (OMC); 2C FEEDER PLUGGED WITH WET COAL
0117	D1	11/11/2002 15:43	11/11/2002 16:05	0.37	25.68	31.17	9270	WET COAL (OMC); 2A FEEDER PLUGGED WITH WET COAL
0118	D2	11/12/2002 08:30	11/12/2002 09:15	0.75	26.07	65.25	9270	WET COAL (OMC); CLEANED "A" FEEDER
0119	D1	11/12/2002 09:20	11/12/2002 13:00	3.67	25.68	311.67	0280	PULVERIZER FIRES; 2B MILL HAD WATER IN IT, DUCT EXPANSION JOINT BURNED
0120	D2	11/12/2002 14:40	11/12/2002 16:55	2.25	25.68	191.25	0280	PULVERIZER FIRES; 2B MILL DUCT EXPANSION JOINT BURNING
0121	D1	11/12/2002 18:50	11/12/2002 20:47	1.95	7.39	0.00	9270	WET COAL (OMC); WET COAL
0122	D1	11/12/2002 20:47	11/12/2002 22:30	1.72	21.21	106.43	0310	PULVERIZER MILLS; 2B MILL NOT GRINDING, FEEDER PLUGGED & TRIPPED
0123	D1	11/13/2002 06:38	11/13/2002 09:05	2.45	26.46	218.05	9270	WET COAL (OMC); 2E MILL CLASSIFIER PLUGGED
0124	D1	11/13/2002 09:05	11/13/2002 11:25	2.33	45.53	436.33	0280	PULVERIZER FIRES; B MILL FIRE, E MILL STILL OUT
0125	D1	11/13/2002 11:25	11/13/2002 15:00	3.58	26.07	311.75	0250	PULVERIZER FEEDERS; E MILL OFF, DERATE CONT.
0126	D1	11/14/2002 08:54	11/14/2002 16:55	8.02	11.48	96.20	0280	PULVERIZER FIRES; FIRE IN 2B INLET DUCT, EXPANSION JOINT HAD HOLES BURNED THROUGH
0127	D1	11/15/2002 05:48	11/15/2002 06:40	0.87	20.23	49.40	9270	WET COAL (OMC); 2A MILL PLUGGED CLASSIFIER, 2D MILL OFF DUE TO FEEDER PLUGGED
0128	D1	11/15/2002 06:40	11/15/2002 07:28	0.80	16.34	29.60	9270	WET COAL (OMC); 2A MILL CLASSIFIER PLUGGED
0129	D1	11/15/2002 09:08	11/15/2002 10:17	1.15	21.60	73.60	9270	WET COAL (OMC); 2D FEEDER PLUGGED, TRIPPED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0130	D1	11/15/2002 17:03	11/15/2002 17:28	0.42	18.29	19.58	9270	WET COAL (OMC); 2D FEEDER PLUGGED
0131	D1	11/16/2002 08:20	11/16/2002 16:00	7.67	12.45	130.33	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 2E MILL HAD A FIRE IN SCRAPER SECTION, BLADES WERE TURNED UP
0132	D1	11/19/2002 06:54	11/19/2002 07:07	0.22	11.87	3.03	0250	PULVERIZER FEEDERS; 2C FEEDER TRIPPED, CHECKED, PUT BACK ON
0133	D4	12/03/2002 13:00	12/03/2002 17:00	4.00	21.60	444.00	0300	PULVERIZER MOTORS AND DRIVES; MAINT. REPLACED AMP PROBE ON D MILL
0134	D4	12/05/2002 12:00	12/05/2002 13:58	1.97	47.47	479.87	3414	FEEDWATER PUMP LOCAL CONTROLS; REPLACING SPEED SENSOR ON 2A BOILER FEED PUMP
0135	D4	12/06/2002 11:45	12/06/2002 15:23	3.63	47.47	886.53	3414	FEEDWATER PUMP LOCAL CONTROLS; REPLACING SPEED SENSOR ON 2B BOILER FEED PUMP
0136	D1	12/12/2002 18:58	12/12/2002 19:20	0.37	26.07	49.13	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED
0137	D1	12/17/2002 06:00	12/17/2002 06:20	0.33	13.42	23.00	0250	PULVERIZER FEEDERS; E FEEDER TRIPPED
0138	D1	12/21/2002 14:00	12/21/2002 22:00	8.00	64.98	2,672.00	0680	FEEDWATER VALVES (NOT FEEDWATER REGULATING VALVE); 2B BFP DISCHARGE VALVE PACKING LEAK
0139	D1	12/21/2002 23:02	12/21/2002 23:58	0.93	54.28	260.40	0680	FEEDWATER VALVES (NOT FEEDWATER REGULATING VALVE); 2B BFP DISCHARGE VALVE PACKING LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 2								
0001	RS	01/01/2003 00:00	01/23/2003 23:38	551.63	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	RS	01/27/2003 19:55	01/01/2004 00:00	8116.08	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 3								
0001	RS	01/01/2003 00:00	01/23/2003 19:09	547.15	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	RS	01/27/2003 19:05	01/01/2004 00:00	8116.92	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVED SHUTDOWN
Crist 4								
0001	D1	06/23/2003 11:15	06/23/2003 14:00	2.75	23.08	49.50	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; #4 H.P. HEATER LEVEL CONTROL NOT OPERATING PROPERLY.
0002	NC	06/27/2003 19:00	06/27/2003 23:25	4.42	0.00	0.00	0253	PULVERIZER FEEDER MOTOR; 4-D FEEDER BURNED COIL WILL NOT OPERATE.
0003	U1	09/02/2003 05:05	09/03/2003 11:52	30.78	100.00	2,401.10	1000	WATERWALL (FURNACE WALL); UNIT REMOVED FROM SERVICE TO REPAIR TUBE LEAK
0004	U1	09/28/2003 14:59	09/30/2003 09:38	42.65	100.00	3,326.70	1000	WATERWALL (FURNACE WALL); REMOVED UNIT FROM SERVICE TO REPAIR LOWER WATERWALL TUBE LEAK
0005	PO	10/24/2003 21:54	11/15/2003 18:38	525.73	100.00	41,007.20	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); UNIT 4 REMOVED FROM SERVICE FOR PLANNED BOILER OUTAGE.
0006	U1	12/02/2003 08:34	12/04/2003 14:42	54.13	100.00	4,222.40	1000	WATERWALL (FURNACE WALL); REMOVED UNIT FROM SERVICE TO REPAIR WATER WALL TUBE LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	U2	05/17/2003 02:25	05/17/2003 02:51	0.43	100.00	34.67	4266	MAIN STOP VALVE TESTING; DURING STOP VALVE TESTING BOTH STOP VALVES CLOSED, REMOVED UNIT TO TRIP AND RESET
0002	RS	05/24/2003 01:57	05/27/2003 01:14	71.28	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0003	U1	05/30/2003 15:38	05/31/2003 22:29	30.85	100.00	2,468.00	1400	FORCED DRAFT FANS; REMOVED UNIT FROM SERVICE TO REPAIR F.D. FAN BEARINGS
0004	MO	09/23/2003 21:22	09/25/2003 05:02	31.67	100.00	2,533.33	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; REMOVED UNIT FROM SERVICE TO INSPECT PRECIPITATOR.
0005	U1	09/25/2003 05:44	09/25/2003 08:18	2.57	100.00	205.33	4700	GENERATOR VOLTAGE CONTROL; UNIT TRIPPED DUE TO VOLTAGE REGULATOR PROBLEMS
0006	PO	10/31/2003 20:17	11/21/2003 17:39	501.37	100.00	40,109.33	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); PLANNED BOILER OUTAGE
0007	U1	11/23/2003 23:00	11/24/2003 23:48	24.80	100.00	1,984.00	1080	ECONOMIZER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR ECONOMIZER TUBE LEAK
0008	MO	11/28/2003 20:25	11/30/2003 18:52	46.45	100.00	3,716.00	1060	FIRST REHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR REHEAT TUBE LEAK
0009	U1	12/15/2003 20:51	12/17/2003 09:30	36.65	100.00	2,932.00	1060	FIRST REHEATER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR REHEAT TUBE LEAK.
0010	MO	12/20/2003 12:39	12/22/2003 00:55	36.27	100.00	2,901.33	1000	WATERWALL (FURNACE WALL); REMOVED UNIT FROM SERVICE TO REPAIR WATERWALL TUBE LEAK.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	MO	01/02/2003 08:36	01/04/2003 08:15	47.65	100.00	14,390.30	1400	FORCED DRAFT FANS; UNIT REMOVED FROM SERVICE TO REPAIR INBOARD FAN BEARING.
0002	D1	01/06/2003 12:17	01/06/2003 13:30	1.22	96.69	355.27	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; LOST FIRES TO UNIT DUE TO DCS CONTROL WORK BEING DONE.
0003	NC	02/17/2003 22:30	02/21/2003 09:30	83.00	0.00	0.00	0312	PULVERIZER MILL CLASSIFIERS; 6-D MILL REMOVED FROM SERVICE FOR REPAIR
0004	NC	03/05/2003 09:30	03/05/2003 09:50	0.33	0.00	0.00	0250	PULVERIZER FEEDERS; 6-C FEEDER PLUGGED, WET COAL
0005	U1	03/18/2003 15:25	03/19/2003 08:46	17.35	100.00	5,239.70	1488	AIR HEATER (REGENERATIVE); REMOVED UNIT FROM SERVICE DUE TO 6-B AIR STOPPED ROTATING AND WOULD NOT RESTART.
0006	MO	03/21/2003 22:51	03/23/2003 02:54	28.05	100.00	8,471.10	1060	FIRST REHEATER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR REHEAT TUBE LEAK
0007	U1	03/29/2003 09:38	03/29/2003 11:20	1.70	100.00	513.40	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; UNIT TRIPPED DUE TO CONTROL CARDS FOR 6A AND 6B BFP LP GOVERNOR CONTROL
0008	PO	04/05/2003 02:37	04/26/2003 10:22	510.75	100.00	154,246.50	1999	BOILER, MISCELLANEOUS; PLANNED BOILER OUTAGE
0010	PO	04/26/2003 14:49	04/26/2003 20:09	5.33	100.00	1,610.67	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REMOVED UNIT FROM SERVICE TO PERFORM TURBINE BALANCE SHOT
0009	NC	05/09/2003 08:30	05/09/2003 13:50	5.33	0.00	0.00	0250	PULVERIZER FEEDERS; REMOVED 6-C FEEDER FROM SERVICE TO REPAIR FEEDER CLEAN OUT CHAIN
0011	NC	05/14/2003 10:54	05/14/2003 11:30	0.60	0.00	0.00	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); 6-D PULVERIZER TRIPPED DUE TO POWER SUPPLY FAILURE AT 6- D FEEDER
0012	NC	06/06/2003 15:15	06/06/2003 23:00	7.75	0.00	0.00	0264	OTHER PRIMARY AIR FAN PROBLEMS; REMOVED 6-A PRIMARY AIR FAN FROM SERVICE DUE TO FIRE IN LAGGING INBOARD BEARING SIDE
0013	NC	06/07/2003 00:30	06/07/2003 02:09	1.65	0.00	0.00	0264	OTHER PRIMARY AIR FAN PROBLEMS; REMOVED 6-A P.A. FAN FROM SERVICE DUE TO LOSS OF CONTROL OF FLOW DAMPER

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	NC	06/28/2003 02:00	06/28/2003 02:30	0.50	0.00	0.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; DURING TURBINE VALVE TESTING EXPERIENCED HIGH DRUM LEVEL RESULTING IN AN M.F.T.
0015	NC	07/08/2003 22:49	07/09/2003 00:10	1.35	0.00	0.00	0250	PULVERIZER FEEDERS; 6-B FEEDER BAD SENSOR
0016	D4	07/10/2003 03:30	07/10/2003 19:55	16.42	32.12	1,592.42	3235	COOLING TOWER BOOSTER PUMP; UNIT REDUCED DUE TO 6-B BOOSTER PUMP REPAIR
0017	MO	07/10/2003 19:55	07/11/2003 15:10	19.25	100.00	5,813.50	3235	COOLING TOWER BOOSTER PUMP; REMOVED UNIT FROM SERVICE TO REPAIR 6-B BOOSTER PUMP
0018	MO	07/11/2003 15:10	07/14/2003 03:02	59.87	100.00	18,079.73	3999	OTHER BALANCE OF PLANT PROBLEMS; UNIT REMOVED FROM SERVICE TO REPAIR UNIT SIX CIRCULATING WATER DISCHARGE TUNNEL
0019	MO	07/25/2003 22:29	07/26/2003 06:33	8.07	100.00	2,436.13	3620	MAIN TRANSFORMER; UNIT REMOVED FROM SERVICE TO REPAIR OIL LEAK FROM BUSHING ON THE MAIN POWER TRANSFORMER
0020	D2	08/17/2003 06:30	08/17/2003 09:00	2.50	42.05	317.50	3416	OTHER FEEDWATER PUMP PROBLEMS; REMOVED 6-A B/F/P. FROM SERVICE TOR REPAIR E-H OIL LEAK
0021	D1	10/19/2003 04:30	10/20/2003 07:30	27.00	67.55	5,508.00	0310	PULVERIZER MILLS; REDUCED LOAD DUE TO B-2 COAL PIPE FIRE RESULTING IN CABLE TRAY FIRE.
0022	D2	10/20/2003 09:30	10/21/2003 01:12	15.70	22.19	1,051.90	0310	PULVERIZER MILLS; REDUCED LOAD DUE TO 6-B MIL OUT OF SERVICE COULD NOT ACHIEVE FULL LOAD WITH GAS.
0023	NC	12/24/2003 08:10	12/25/2003 13:00	28.83	0.00	0.00	0260	PRIMARY AIR FAN; REMOVED 6-B P.A. FAN FROM SERVICE DUE TO MOTOR FAILURE.
0024	RS	12/31/2003 12:29	01/01/2004 00:00	11.52	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

January 01, 2003 00:00 - January 01, 2004 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	NC	01/01/2003 13:50	01/01/2003 14:10	0.33	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED
0002	NC	01/03/2003 09:13	01/03/2003 10:08	0.92	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED
0003	NC	01/03/2003 12:23	01/03/2003 13:00	0.62	0.00	0.00	0250	PULVERIZER FEEDERS; 7-B FEEDER PLUGGED
0004	D2	01/03/2003 22:21	01/03/2003 23:25	1.07	14.68	74.67	0250	PULVERIZER FEEDERS; 7-F FEEDER PLUGGED
0005	NC	01/03/2003 23:40	01/04/2003 00:13	0.55	0.00	0.00	0250	PULVERIZER FEEDERS; 7-C FEEDER PLUGGED
0006	NC	01/05/2003 04:25	01/05/2003 05:05	0.67	0.00	0.00	0250	PULVERIZER FEEDERS; 7-A FEEDER PLUGGED
0007	D1	01/13/2003 13:30	01/13/2003 14:50	1.33	46.96	298.67	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; REMOVED 7-B BOILER FEED PUMP FROM SERVICE DUE TO LOW LUBE OIL PUMP PRESSURE.
0008	D2	01/24/2003 06:30	01/24/2003 08:50	2.33	4.61	51.33	0250	PULVERIZER FEEDERS; REMOVED 7-B FEEDER FROM SERVICE DUE TO BAD FEEDER SPEED TACHOMETER.
0009	D2	02/15/2003 11:45	02/15/2003 13:45	2.00	2.73	26.00	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; 7-E COOLING TOWER FAN TRIPPED, REDUCED LOAD DUE TO UNIT BACK PRESSURE
0010	D2	02/15/2003 17:00	02/15/2003 19:00	2.00	2.73	26.00	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; 7-E COOLING TOWER FAN TRIPPED, REDUCED LOAD DUE TO UNIT HIGH BACK PRESSURE
0011	D2	02/16/2003 10:55	02/16/2003 12:50	1.92	4.61	42.17	9630	OPACITY; REDUCED LOAD DUE TO HIGH OPACITY.
0012	PO	02/28/2003 23:35	03/30/2003 03:27	699.87	100.00	333,836.40	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); UNIT REMOVED FROM SERVICE FOR PLANNED OUTAGE
0013	U1	03/30/2003 03:50	03/30/2003 08:40	4.83	100.00	2,305.50	3660	MAJOR COMPONENT WORKED DURING EVENT; FEEDWATER PUMP; UNIT REMOVED FROM SERVICE , PLANNED OUTAGE
								4000-7000 VOLT TRANSFORMERS; UNIT TRIPPED DUE TO 7-B 4160 STA. SERV.TRSF. DIFF.AUX.RELAY NOT OPERATING PROPERLY

Event Listing With All Reported Cause Codes

January 01, 2003 00:00 - January 01, 2004 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D1	03/31/2003 00:00	04/01/2003 18:00	42.00	45.49	9,114.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; REDUCED LOAD DUE TO REPAIR ON 7B BFP TURBINE BEARINGS.
0015	D1	04/02/2003 08:15	04/02/2003 13:15	5.00	31.24	745.00	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; UNIT REDUCED LOAD DUE TO 7-B PRECIPITATOR MALFUNCTION
0016	D1	04/02/2003 10:30	04/02/2003 13:15	2.75	35.43	55.00	0310	PULVERIZER MILLS; REMOVED 7-C MILL FROM SERVICE DUE TO HIGH THRUST RING TEMP.
0017	D1	04/02/2003 13:15	04/02/2003 18:00	4.75	35.43	802.75	0310	PULVERIZER MILLS; REMOVED 7-C MILL FROM SERVICE TO REPAIR SEAL AIR RING AND PLUGGAGE.
0018	D1	04/02/2003 18:00	04/02/2003 21:00	3.00	33.33	477.00	0310	PULVERIZER MILLS; REMOVED 7-D MILL FROM SERVICE TO REPAIR SEAL AIR RING AND PLUGGAGE
0019	D1	04/02/2003 21:10	04/02/2003 23:55	2.75	33.33	437.25	0310	PULVERIZER MILLS; REMOVED 7-E MILL FROM SERVICE TO REPAIR SEAL AIR RING
0020	D1	04/07/2003 07:11	04/07/2003 19:57	12.77	8.60	523.43	9630	OPACITY; REDUCED LOAD DUE TO HIGH OPACITY, SULFUR UNIT MALFUNCTION
0021	D1	04/15/2003 13:29	04/15/2003 15:00	1.52	20.96	151.67	8580	MECHANICAL PRECIPITATOR PROBLEMS; REDUCED LOAD DUE TO HIGH OPACITY ,PRECIPITATOR NOT OPERATING PROPERLY
0022	D1	04/18/2003 08:00	04/18/2003 09:40	1.67	4.61	36.67	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; REDUCED LOAD DUE TO HIGH OPACITY PRECIPITATOR NOT OPERATING PROPERLY
0023	MO	04/18/2003 22:54	04/20/2003 05:07	30.22	100.00	14,413.35	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; REMOVED UNIT FROM SERVICE TO INSPECT AND REPAIR PRECIPITATOR, AND I.D. FANS
0024	NC	04/22/2003 10:35	04/22/2003 22:30	11.92	0.00	0.00	1455	CONTRIBUTED TO PRIMARY CAUSE; INDUCED DRAFT FANS; REMOVED UNIT TO INSPECT AND RPAIR I.D. FANS
0025	D3	04/30/2003 00:40	04/30/2003 06:30	5.83	58.49	1,627.50	1400	PULVERIZER COAL LEAK (PULVERIZER ONLY); REMOVED 7-D MILL FROM SERVICE TO REPAIR COAL LEAK ON D-8 COAL PIPE FORCED DRAFT FANS;

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	NC	06/05/2003 13:50	06/05/2003 13:58	0.13	0.00	0.00	0335	CONTRIBUTED TO PRIMARY CAUSE; FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; REDUCED LOAD ON UNIT TO REPAIR 7-A F.D. FAN AND REPAIR OIL PUMP ON 7-A B.F.P.
0027	NC	06/28/2003 03:00	06/28/2003 03:10	0.17	0.00	0.00	1710	PULVERIZER LUBE OIL SYSTEM; 7-A MILL TRIPPED DUE TO LOW OIL FLOW
0028	D1	07/07/2003 11:43	07/07/2003 13:54	2.18	16.77	174.67	0250	COMBUSTION / STEAM CONDITION CONTROLS; DURING P.M. TESTING OF 208V MISC. POWER BREAKER FAILED AND LOST FEEDER CONTROL
0029	D1	07/15/2003 20:19	07/16/2003 02:17	5.97	14.68	417.67	0250	PULVERIZER FEEDERS; 7-E FEEDER, PLUGGED COAL PIPE
0030	NC	07/31/2003 07:00	07/31/2003 08:00	1.00	0.00	0.00	0320	PULVERIZER FEEDERS; 7-E FEEDER COAL PIPE PLUGGED DUE TO METAL LODGED IN COAL PIPE
0031	D1	09/01/2003 11:00	09/02/2003 16:50	29.83	27.04	3,848.50	1470	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED 7-F MILL FROM SERVICE TO REMOVED METAL FROM UNDER MILL ROLL
0032	D4	09/09/2003 07:20	09/09/2003 11:20	4.00	10.69	204.00	0250	INDUCED DRAFT FAN MOTORS AND DRIVES; REMOVED 7-D I.D. FAN FROM SERVICE TO REPAIR INBOARD MOTOR BEARING.
0033	MO	09/26/2003 21:44	09/29/2003 05:34	55.83	100.00	26,632.50	8560	PULVERIZER FEEDERS; REMOVED 7-B FEEDER FROM SERVICE TO REPLACE FEEDER BELT
0034	D1	10/05/2003 09:06	10/05/2003 10:05	0.98	9.85	46.22	0310	ELECTROSTATIC PRECIPITATOR PROBLEMS; REMOVED UNIT FROM SERVICE TO INSPECT PRECIPITATOR
0035	D1	10/13/2003 07:50	10/13/2003 08:55	1.08	15.09	78.00	0250	PULVERIZER MILLS; REMOVED 7-C MIL FROM SERVICE TO REPAIR BROKEN P.A. FLOW DIFFERENTIAL LINE.
0036	U2	10/13/2003 22:24	10/15/2003 00:55	26.52	100.00	12,648.45	1080	PULVERIZER FEEDERS; REMOVED 7-E FEEDER FROM SERVICE TO REPAIR PLUGGED PROBE .P.A. GATE WOULD NOT REOPEN
0037	D4	10/18/2003 00:00	10/21/2003 02:45	74.75	58.28	20,780.50	3113	ECONOMIZER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR LOWER ECONOMIZER TUBE LLEAK.
								CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REDUCED LOAD TO SHOOT 7-B CONDENSER

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0038	D2	11/18/2003 10:10	11/18/2003 10:55	0.75	10.69	38.25	0270	PRIMARY AIR DUCTS AND DAMPERS; E MILL PASO DAMPER WILL NOT OPEN
0039	D1	11/22/2003 10:20	11/22/2003 11:15	0.92	58.28	254.83	8551	ELECTROSTATIC PRECIPITATOR FIELD OUT OF SERVICE; REDUCED LOAD DUE TO 2-F PRECIP. CABINET OUT OF SERVICE.CAUSING OPACITY PROBLEMS
0040	D1	12/09/2003 09:45	12/09/2003 16:20	6.58	4.61	144.83	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); REDUCED LOAD TO REMOVE 7-B MILL FROM SERVICE DUE TO B-21 CRACKED COAL PIPE
0041	D1	12/10/2003 07:00	12/10/2003 14:30	7.50	5.87	210.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; REDUCED LOAD DUE TO HIGH OPACITY, I.D. FANS NOT OPERATING PROPERLY.
0042	NC	12/11/2003 15:36	12/11/2003 15:57	0.35	0.00	0.00	0250	PULVERIZER FEEDERS; REMOVED C FEEDER FROM SERVICE DUE TO ROCK ON BELT.
0043	D1	12/13/2003 08:15	12/13/2003 10:45	2.50	8.60	102.50	0310	PULVERIZER MILLS; REDUCED LOAD TO REMOVE 7-B MILL FROM SERVICE TO RETURN B-21 COAL PIPE TO SERVICE
0044	D1	12/16/2003 13:15	12/16/2003 14:30	1.25	12.79	76.25	0250	PULVERIZER FEEDERS; REMOVED 7-B FEEDER FROM SERVICE DUE TO LOSS OF FEEDER CONTROL

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 1								
0001	RS	01/01/2003 00:00	01/03/2003 19:54	67.90	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0002	MO	03/07/2003 21:38	03/09/2003 23:54	50.27	100.00	2,312.27	0360	BURNERS; REPLACED BURNER PIPE AND IMPELLAR ON "B" PULVERIZER.
0003	RS	05/21/2003 14:53	06/02/2003 08:22	281.48	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0004	U1	07/03/2003 21:13	07/04/2003 00:20	3.12	100.00	143.37	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); #1 BUSS DIFFERENTIAL (PHASE 2) OPERATED AND TRIPPED BREAKERS NO. 2502, 2542 AND 2562.
0005	MO	07/10/2003 00:12	07/10/2003 04:20	4.13	100.00	190.13	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); 115KV BUS #1 RELAYS - MEG CONTROL CABLES FOR FAULT
0006	RS	10/03/2003 15:30	10/13/2003 02:36	227.10	0.00	0.00	0000	RESERVE SHUTDOWN
0007	RS	10/22/2003 22:56	10/24/2003 00:01	25.08	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0008	PO	10/24/2003 00:01	11/07/2003 23:55	360.90	100.00	16,601.40	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION
0009	RS	11/07/2003 23:55	11/09/2003 19:31	43.60	0.00	0.00	0000	RESERVE SHUTDOWN;
0010	U1	12/08/2003 15:40	12/09/2003 02:36	10.93	100.00	502.93	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); UNIT #1 LIGHTNING ARRESTER BLEW UP AND TRIPPED UNITS OFF LINE.
0011	D1	12/14/2003 00:15	12/17/2003 15:35	87.33	28.26	1,135.33	0263	PRIMARY AIR FAN DRIVES; BEARINGS FAILED.
0012	RS	12/31/2003 11:33	01/01/2004 00:00	12.45	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2003 00:00	01/04/2003 00:52	72.87	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0002	RS	02/14/2003 11:26	02/16/2003 21:20	57.90	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0003	MO	04/18/2003 21:45	04/20/2003 17:33	43.80	100.00	2,014.80	1000	WATERWALL (FURNACE WALL); BOILER WATERWALL TUBE LEAKS.
0004	MO	04/25/2003 21:40	04/28/2003 00:33	50.88	100.00	2,340.63	1000	WATERWALL (FURNACE WALL); BOILER WATERWALL TUBE LEAK.
0006	RS	05/21/2003 16:03	06/02/2003 04:55	276.87	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0007	D1	07/10/2003 17:00	07/10/2003 18:33	1.55	28.26	20.15	0253	PULVERIZER FEEDER MOTOR; FEEDER MOTOR QUIT WORKING - REPLACED MOTOR
0008	PO	10/02/2003 22:45	10/18/2003 12:21	373.60	100.00	17,185.60	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION
0009	RS	10/23/2003 23:12	10/26/2003 23:36	73.40	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0010	U1	12/08/2003 15:40	12/08/2003 20:38	4.97	100.00	228.47	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); UNIT #1 LIGHTNING ARRESTER BLEW UP AND TRIPPED BOTH UNITS.
0011	RS	12/31/2003 10:17	01/01/2004 00:00	13.72	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	U1	01/27/2003 02:41	01/27/2003 02:56	0.25	100.00	40.50	4263	REHEAT STOP VALVES; LH REHEAT INTERCEPT VALVE STUCK IN THE CLOSED POSITION DURING WEEKLY VALVE TESTING.
0002	D1	02/01/2003 17:30	02/01/2003 17:45	0.25	96.30	39.00	1475	INDUCED DRAFT FAN CONTROLS; ID FAN CONTROLS - LOST FIRES IN BOILER.
0003	D1	02/13/2003 04:24	02/13/2003 04:40	0.27	96.30	41.60	1476	INDUCED DRAFT FAN SPEED CHANGER; 1B ID FAN 4160 VOLT BREAKER DID NOT CLOSE BACK WHEN GOING TO HIGH SPEED.
0004	U1	02/21/2003 14:16	02/23/2003 07:19	41.05	100.00	6,650.10	1060	FIRST REHEATER TUBE LEAKS; REHEATER TUBE LEAK.
0005	D1	03/02/2003 11:35	03/02/2003 11:55	0.33	96.91	52.33	3641	CIRCUIT BREAKERS; LOSS OF 208VOLT MISCELLANEOUS POWER TO FEEDERS.
0006	D1	03/22/2003 05:12	03/22/2003 07:29	2.28	19.75	73.07	0253	PULVERIZER FEEDER MOTOR; 1-D FEEDER MOTOR TRIPPED AND HAD TO BE REPLACED.
0007	D1	03/26/2003 04:49	03/26/2003 05:10	0.35	96.30	54.60	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 1B ID FAN 4160 VOLT BREAKER DID NOT CLOSE.
0008	D1	04/15/2003 11:30	04/15/2003 13:05	1.58	19.75	50.67	0250	PULVERIZER FEEDERS; HAD TO REMOVE METAL TRASH FROM 1-D MILL.
0009	PO	04/18/2003 22:07	05/17/2003 10:55	684.80	100.00	110,937.60	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); SPRING OUTAGE.
0010	D1	05/17/2003 15:55	05/17/2003 16:15	0.33	95.68	51.67	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; ID FAN BREAKER DID NOT SWAP GOING INTO HIGH SPEED.
0011	D1	06/16/2003 05:31	06/16/2003 06:18	0.78	25.93	32.90	0340	OTHER PULVERIZER PROBLEMS; PYRITE SWEEPER ARM BROKEN.
0012	U1	08/06/2003 19:51	08/20/2003 09:04	325.22	100.00	52,685.10	3620	MAIN TRANSFORMER; MAIN TRANSFORMER FAILURE.
0013	MO	08/21/2003 10:03	08/22/2003 08:40	22.62	100.00	3,663.90	4619	OTHER HYDROGEN SYSTEM PROBLEMS; HYDROGEN LEAK.
0014	NC	08/22/2003 11:00	08/22/2003 12:15	1.25	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK ON 1-A MILL PIPING TO BOILER.
0015	NC	08/22/2003 12:35	08/22/2003 13:45	1.17	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK ON 1-C MILL PIPING TO BOILER.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	09/10/2003 07:10	09/10/2003 07:11	0.02	98.77	2.67	9900	OPERATOR ERROR; HIGH THROTTLE PRESSURE.
0017	NC	09/21/2003 03:00	09/21/2003 09:30	6.50	0.00	0.00	3431	OTHER FEEDWATER VALVES; 1-A BFP - MAINTENANCE WORKING ON DISCHARGE VALVE
0018	D1	09/25/2003 00:52	09/25/2003 01:10	0.30	96.91	47.10	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B I.D. FAN SPEED CHANGER FAILED TO CLOSE WHEN GOING TO LOW SPEED.
0019	D1	09/26/2003 02:44	09/26/2003 03:15	0.52	96.91	81.12	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B I.D. FAN BREAKER DID NOT SWAP GOING TO LOW SPEED.
0020	NC	09/27/2003 04:13	09/27/2003 08:10	3.95	0.00	0.00	3416	OTHER FEEDWATER PUMP PROBLEMS; MAINT. CHANGING LEAKING FLANGE ON SUCTION LINE TO 1-A BOILER FEED PUMP.
0021	NC	09/27/2003 07:30	09/27/2003 07:32	0.03	0.00	0.00	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B I.D. FAN TRIPPED SWAPPING TO HIGH SPEED.
0022	NC	09/28/2003 01:50	09/28/2003 01:52	0.03	0.00	0.00	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B I.D. FAN TRIPPED WHILE SWAPPING TO LOW SPEED.
0023	NC	09/28/2003 22:35	09/28/2003 22:55	0.33	0.00	0.00	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B ID FAN SPEED CHANGER - ISOLATING FANS TO SWAP FROM HIGH TO LOW SPEED
0024	D1	10/03/2003 07:34	10/03/2003 08:58	1.40	13.58	30.80	0320	FOREIGN OBJECT IN PULVERIZER MILL; TRAMP IRON IN 1C MILL
0025	D1	11/03/2003 08:20	11/03/2003 09:00	0.67	13.58	14.67	0250	PULVERIZER FEEDERS; 1-D FEEDER GIVING FALSE INDICATION OF BELT SLIPPAGE.
0026	D1	11/03/2003 13:20	11/03/2003 14:20	1.00	13.58	22.00	0250	PULVERIZER FEEDERS; 1-D FEEDER GIVING FALSE INDICATION OF BELT SLIPPAGE.
0027	PO	11/29/2003 04:19	12/24/2003 11:31	607.20	100.00	98,366.40	1810	OTHER BOILER INSPECTIONS; BOILER OUTAGE WITH COAL BUNKER REPLACEMENT AND TURBINE VALVE INSPECTION
							4401	MAJOR COMPONENT WORKED DURING EVENT; TURBINE INSPECTION; TURBINE VALVE INSPECTION AND REPAIR.
0028	U3	12/24/2003 21:59	12/25/2003 11:57	13.97	100.00	2,262.60	0550	REHEAT STEAM RELIEF/SAFETY VALVES; COLD REHEAT SAFETY LIFTED AND WOULD NOT RE-SEAT
0029	RS	12/26/2003 12:26	12/27/2003 00:00	11.57	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0030	MO	12/27/2003 00:00	12/29/2003 09:32	57.53	100.00	9,320.40	4261	CONTROL VALVES; GOVENOR VALVES SWINGING. GENERATOR HYDROGEN LEAKS
0031	MO	12/29/2003 20:29	12/30/2003 22:48	26.32	100.00	4,263.30	4301	TURBINE GOVERNING SYSTEM; GOVENOR VALVE SERVO PROBLEM

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	PO	01/01/2003 01:36	04/13/2003 03:41	2449.08	100.00	462,876.75	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED BOILER OUTAGE - REPLACE BOILER TUBES
0002	PD	04/14/2003 00:00	04/18/2003 22:07	118.12	51.85	11,575.43	3260	TRAVELING SCREENS; 2-B CIRCULATING WATER INTAKE SCREEN OUT FOR REPAIR.
0003	NC	04/14/2003 06:00	04/14/2003 10:30	4.50	0.00	0.00	0310	PULVERIZER MILLS; INSPECT AND CLEAN.
0004	NC	04/15/2003 07:00	04/15/2003 13:20	6.33	0.00	0.00	0310	PULVERIZER MILLS; CHANGE OUT MILL ROLL IN 2-E PULVERIZER.
0005	MO	05/01/2003 21:52	05/04/2003 04:24	54.53	100.00	10,306.80	1050	SECOND SUPERHEATER TUBE LEAKS; BOILER TUBE LEAK ON HORIZONTAL SUPERHEATER
0006	U1	06/07/2003 01:52	06/07/2003 03:48	1.93	100.00	365.40	4460	TURBINE OVERSPEED TRIP TEST; TURBINE OVERSPEED TEST TRIP FAILED TO SEAT OFF AFTER TEST TRIP.
0007	U1	06/07/2003 03:52	06/07/2003 09:12	5.33	100.00	1,008.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; #3 AND #4 BEARING VIBRATION
0008	NC	06/11/2003 20:25	06/12/2003 05:17	8.87	0.00	0.00	0250	PULVERIZER FEEDERS; 2-C FEEDER CONTROL PROCESSOR FAILURE.
0009	NC	07/26/2003 07:00	07/26/2003 22:15	15.25	0.00	0.00	0250	PULVERIZER FEEDERS; CHANGE OUT TRANSITION PIECE IN 2-B FEEDER THROAT.
0011	NC	08/01/2003 06:00	08/01/2003 18:00	12.00	0.00	0.00	0250	PULVERIZER FEEDERS; CHANGE OUT TRANSITION PIECE IN 2E FEEDER PIPE
0010	D1	08/06/2003 20:53	08/06/2003 22:25	1.53	62.96	182.47	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; AIR IN TUNNEL AND WATER BOX CAUSED BY UNIT #1 TRIPPING CAUSING LOW CONDENSER VACUUM.
0013	NC	08/07/2003 07:55	08/15/2003 10:00	194.08	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; REPLACE 2-B MILL SHAFT.
0012	NC	08/24/2003 14:45	08/24/2003 15:40	0.92	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); COAL LEAK ON 2-B MILL PIPING TO BOILER.
0014	D1	08/27/2003 10:50	08/27/2003 11:30	0.67	94.71	119.33	9270	WET COAL (OMC); EMERGENCY FUEL STRIP USED TO REGAIN FURNACE PRESSURE.

Event Listing With All Reported Cause Codes

January 01, 2003 00:00 - January 01, 2004 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	NC	08/29/2003 21:30	08/29/2003 23:47	2.28	0.00	0.00	0250	PULVERIZER FEEDERS; CHANGE OUT 2-A FEEDER BELT.
0016	D1	08/31/2003 02:33	08/31/2003 02:48	0.25	97.35	46.00	4309	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS; GOVENOR VALVE LIMIT SWITCH HUNG UP WHILE EXERCISING VALVES.
0017	NC	09/06/2003 02:30	09/07/2003 21:00	42.50	0.00	0.00	0250	PULVERIZER FEEDERS; CHANGE OUT TRANSITION PIECE IN PIPING.
0018	NC	09/10/2003 09:34	09/10/2003 16:04	6.50	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; ADJUST MILL AMP TRIP POINTS ON C, D AND E MILLS (HIGH CURRENT RELAYS)
0019	NC	09/11/2003 07:46	09/11/2003 11:18	3.53	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; ADJUSTING MILL AMP TRIP POINTS ON A AND B MILLS (HIGH CURRENT REALYS)
0020	NC	09/24/2003 10:16	09/24/2003 10:41	0.42	0.00	0.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); PREVENTATIVE BACKWASHING OF CONDENSER TO LOWER BACKPRESSURE AND MAINTAIN CONDENSER VAC
0021	NC	09/25/2003 06:10	09/25/2003 06:29	0.32	0.00	0.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); BACKWASH CONDENSER TO LOWER BACKPRESSURE AND RAISE CONDENSER VACUUM.
0022	NC	09/30/2003 07:30	09/30/2003 08:15	0.75	0.00	0.00	0310	PULVERIZER MILLS; 2C MILL - ADJUST MILL ROLLS
0023	NC	10/01/2003 04:50	10/18/2003 09:00	412.17	0.00	0.00	0310	PULVERIZER MILLS; INSPECT 2-E MILL. FOUND BROKEN MILL SHAFT.
0024	NC	10/03/2003 02:30	10/03/2003 03:30	1.00	0.00	0.00	3199	OTHER CONDENSING SYSTEM PROBLEMS; TRYING TO ISOLATE NORTH SIDE OF CONDENSER. CROSSOVER VALVE NOT CLOSING SECURELY.
0025	D1	10/12/2003 08:47	10/12/2003 12:55	4.13	31.22	243.87	0250	PULVERIZER FEEDERS; 2D FEEDER POWER SUPPLY FAILURE
0026	NC	10/14/2003 23:55	10/15/2003 03:00	3.08	0.00	0.00	0250	PULVERIZER FEEDERS; 2D FEEDER - REPLACE FEEDER BELT AND CALIBRATE FEEDER
0027	D1	10/16/2003 08:35	10/16/2003 10:50	2.25	20.63	87.75	0250	PULVERIZER FEEDERS; 2D FEEDER - BELT RAN OFF TO ONE SIDE AND TRIPPED FEEDER.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	MO	10/16/2003 23:05	10/21/2003 21:31	118.43	100.00	22,383.90	1140	FIRST SUPERHEATER SLAGGING & FOULING; WASH BOILER TUBES AND AIR HEATER
0029	D1	11/25/2003 10:05	11/25/2003 12:30	2.42	19.58	89.42	0250	PULVERIZER FEEDERS; 2D FEEDER TRIPPED AND 2E FEEDER TRIPPED SEVERAL TIMES AND RESET.
0030	NC	12/07/2003 08:15	12/07/2003 08:30	0.25	0.00	0.00	0310	PULVERIZER MILLS; ADJUST MILL ROLL ON 2-C.
0031	NC	12/09/2003 08:29	12/09/2003 09:01	0.53	0.00	0.00	0250	PULVERIZER FEEDERS; ADJUST FEEDER BELT ON 2A FEEDER, WAS TRACKING TO ONE SIDE.

Event Listing With All Reported Cause Codes

January 01, 2003 00:00 - January 01, 2004 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	D1	01/24/2003 03:43	01/24/2003 10:07	6.40	52.92	1,798.40	0800	DRUMS AND DRUM INTERNALS (SINGLE DRUM ONLY); "A" HP DRUM LEVEL XMTR FROZE CAUSING "A" ENGINE TO TRIP
0002	RS	02/14/2003 22:29	02/17/2003 20:09	69.67	0.00	0.00	0000	RESERVE SHUTDOWN
0003	RS	02/21/2003 00:32	02/21/2003 14:42	14.17	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	02/23/2003 15:04	03/01/2003 00:00	128.93	0.00	0.00	0000	RESERVE SHUTDOWN
0005	PO	03/01/2003 00:00	04/07/2003 00:00	887.00	100.00	471,569.00	4401	TURBINE INSPECTION; TURBINE INSPECTION OF HP/IP TURBINE TO INSPECT FOR WATER INDUCTION
0006	SE	04/07/2003 00:00	04/12/2003 23:04	143.07	100.00	76,540.67	4401	TURBINE INSPECTION; PLANNED OUTAGE EXTENSION
0007	RS	05/13/2003 20:26	05/18/2003 07:00	106.57	0.00	0.00	0000	RESERVE SHUTDOWN
0008	D4	05/16/2003 07:00	05/17/2003 17:00	34.00	35.51	6,460.00	4280	LUBE OIL PUMPS; REPLACE BEARING ON STEAM TURBINE LUBE OIL PUMP #1.
0009	PO	05/18/2003 07:00	05/18/2003 17:00	10.00	100.00	5,350.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE SHOT
0010	RS	05/18/2003 17:00	06/02/2003 01:44	344.73	0.00	0.00	0000	RESERVE SHUTDOWN
0011	PO	06/06/2003 19:24	06/07/2003 12:00	16.60	100.00	8,881.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE SHOT ON STEAM TURBINE
0012	RS	06/07/2003 12:00	06/08/2003 08:15	20.25	0.00	0.00	0000	RESERVE SHUTDOWN
0013	D1	06/11/2003 11:26	06/11/2003 12:08	0.70	37.38	140.00	9900	OPERATOR ERROR; STEAM TURBINE TRIPPED ON HIGH EXCITER AMPS DUE TO EXCITER VOLTAGE CONTROL IN MANUAL.
0014	D1	06/25/2003 09:57	06/25/2003 10:25	0.47	30.84	77.00	5108	HIGH ENGINE EXHAUST TEMPERATURE; "B" GAS TURBINE TRIP DUE TO EXHAUST TEMPERATURE DIFFERENTIAL TRIP
0015	RS	06/25/2003 22:17	06/26/2003 08:27	10.17	0.00	0.00	0000	RESERVE SHUTDOWN
0016	D1	06/26/2003 10:13	06/26/2003 17:12	6.98	37.38	1,396.67	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE TRIP DUE TO HIGH VIBRATION
0017	RS	06/26/2003 11:11	06/26/2003 12:36	1.42	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0018	RS	06/26/2003 17:12	06/27/2003 01:15	8.05	0.00	0.00	0000	RESERVE SHUTDOWN
0019	RS	06/27/2003 19:06	06/30/2003 04:07	57.02	0.00	0.00	0000	RESERVE SHUTDOWN
0020	D1	07/23/2003 11:08	07/23/2003 11:41	0.55	30.84	90.75	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; "B" GT TRIPPED DUE TO BAD EXHAUST TEMPERATURE THERMOCOUPLE
0021	D1	07/30/2003 13:07	07/30/2003 15:09	2.03	98.88	1,075.63	9900	OPERATOR ERROR; STEAM TURBINE TRIP DUE TO "B" HIGH IP DRUM LEVEL CAUSED BY OPERATOR ERROR
0022	D1	08/08/2003 07:57	08/08/2003 15:00	7.05	30.84	1,163.25	5130	STARTING SYSTEM (INCLUDING MOTOR); LCI RELAY FAILURE ON "A" GT PREVENTED START-UP
0023	D1	08/18/2003 06:10	08/18/2003 11:44	5.57	30.84	918.50	5130	STARTING SYSTEM (INCLUDING MOTOR); LCI RELAY FAILURE ON "A" GT PREVENTED START-UP.
0024	D1	08/24/2003 12:19	08/24/2003 14:02	1.72	3.74	34.33	6000	HRSG TO GAS TURBINE CONNECTING EQUIPMENT; LOST #1 GAS BURNER ON "A" HRSG DUE TO BLOWN FUSE.
0025	D1	09/14/2003 09:35	09/16/2003 17:11	55.60	43.36	12,899.20	4740	EMERGENCY GENERATOR TRIP DEVICES; GENERATOR NEUTRAL OVERCURRENT RELAY OPERATION ON STEAM TURBINE
0026	D1	09/14/2003 18:19	09/14/2003 21:45	3.43	71.78	521.87	6000	HRSG TO GAS TURBINE CONNECTING EQUIPMENT; "A" HRSG - HP BYPASS CONTROL VALVE STEM BROKEN
0027	RS	09/15/2003 07:34	09/16/2003 13:15	29.68	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN
0028	RS	09/27/2003 08:44	10/12/2003 20:17	371.55	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0033	RS	10/17/2003 20:45	10/20/2003 21:08	72.38	0.00	0.00	0000	RESERVE SHUTDOWN
0029	RS	10/23/2003 21:11	10/26/2003 20:02	71.85	0.00	0.00	0000	RESERVE SHUTDOWN
0030	D1	11/02/2003 22:42	11/03/2003 03:00	4.30	36.91	842.80	4300	TURBINE SUPERVISORY SYSTEM; UNIT 3 ST TRIP DUE TO AN I/O FAILURE ON THE MARK V CONTROLS - <T>CORE. SEE ROOT CAUSE
0031	RS	11/02/2003 22:56	11/03/2003 03:35	4.65	0.00	0.00	0000	RESERVE SHUTDOWN;
0032	RS	11/08/2003 00:25	11/09/2003 21:53	45.47	0.00	0.00	0000	RESERVE SHUTDOWN
0034	D1	11/17/2003 07:06	11/17/2003 09:15	2.15	49.72	567.60	5240	FIRE DETECTION AND EXTINGUISHING SYSTEM; GROUND IN FIRE ALARM SYSTEM TRIPPED "A" GT.
0035	RS	11/19/2003 23:57	11/24/2003 04:25	100.47	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0037	D1	11/24/2003 07:18	11/24/2003 10:10	2.87	39.74	604.87	4609	OTHER EXCITER PROBLEMS; GROUND ON EXCITER
0036	RS	11/26/2003 21:58	11/30/2003 20:23	94.42	0.00	0.00	0000	RESERVE SHUTDOWN
0038	D1	12/13/2003 06:30	12/13/2003 10:30	4.00	49.72	1,056.00	6000	HRSG TO GAS TURBINE CONNECTING EQUIPMENT; H.P. DRUM GASKET LEAK
0039	D1	12/14/2003 08:10	12/14/2003 10:00	1.83	49.72	484.00	6000	HRSG TO GAS TURBINE CONNECTING EQUIPMENT; H.P. DRUM GASKET LEAK
0040	RS	12/22/2003 09:46	01/01/2004 00:00	230.23	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2003 00:00	01/06/2003 00:01	120.02	0.00	0.00	0000	RESERVE SHUTDOWN
0002	PO	01/06/2003 00:01	01/09/2003 15:59	87.97	100.00	3,518.67	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); TO REPLACE BUSHING ON SWITCHYARD CIRCUIT BREAKER.
0003	RS	01/09/2003 15:59	01/10/2003 08:01	16.03	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0004	RS	01/10/2003 08:35	01/22/2003 11:23	290.80	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	01/22/2003 11:44	01/22/2003 11:59	0.25	0.00	0.00	0000	RESERVE SHUTDOWN
0006	RS	01/22/2003 13:05	01/24/2003 01:12	36.12	0.00	0.00	0000	RESERVE SHUTDOWN
0007	U1	01/24/2003 03:44	01/24/2003 07:05	3.35	100.00	134.00	3869	OTHER FIRE PROTECTION SYSTEM PROBLEMS; "A" ENGINE FIRE ALARM. ALARM TRIPPED "A" AND "B" ENGINES.
0008	D1	01/24/2003 07:10	01/24/2003 14:04	6.90	50.00	138.00	5443	FUEL FILTERS; FUEL FILTERS. LOW FUEL PRESSURE DUE TO PLUGGED AND FROZEN FILTERS.
0009	RS	01/24/2003 08:27	01/24/2003 08:40	0.22	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	01/24/2003 11:32	01/24/2003 14:04	2.53	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	01/24/2003 15:00	02/04/2003 14:59	263.98	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	02/04/2003 15:05	02/19/2003 07:46	352.68	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0013	RS	02/19/2003 07:55	02/27/2003 08:19	192.40	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0014	RS	02/27/2003 09:18	03/02/2003 08:12	70.90	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0015	RS	03/02/2003 08:23	03/30/2003 04:01	667.63	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0016	RS	03/30/2003 04:17	03/31/2003 07:40	27.38	0.00	0.00	0000	RESERVE SHUTDOWN
0017	RS	03/31/2003 07:52	05/15/2003 09:26	1080.57	0.00	0.00	0000	RESERVE SHUTDOWN
0018	RS	05/15/2003 09:40	05/15/2003 16:09	6.48	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN.
0019	RS	05/15/2003 17:13	05/21/2003 13:32	140.32	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0020	RS	05/21/2003 14:38	05/27/2003 13:47	143.15	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0021	RS	05/27/2003 14:33	05/31/2003 12:34	94.02	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0022	RS	05/31/2003 19:31	06/21/2003 13:40	498.15	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0023	RS	06/21/2003 14:02	08/28/2003 11:33	1629.52	0.00	0.00	0000	RESERVE SHUTDOWN
0024	RS	08/28/2003 13:03	09/11/2003 14:34	337.52	0.00	0.00	0000	RESERVE SHUTDOWN; BLACK START.
0025	RS	09/11/2003 14:46	10/15/2003 08:30	809.73	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	MO	10/15/2003 08:30	10/15/2003 13:00	4.50	100.00	144.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); PREVENTIVE MAINTENANCE ON BREAKER 2936
0027	RS	10/15/2003 13:00	10/15/2003 14:30	1.50	0.00	0.00	0000	RESERVE SHUTDOWN
0028	RS	10/15/2003 15:01	11/05/2003 16:16	506.25	0.00	0.00	0000	RESERVE SHUTDOWN
0029	RS	11/05/2003 16:46	11/19/2003 07:00	326.23	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN.
0030	MO	11/19/2003 07:00	11/20/2003 20:49	37.82	100.00	1,512.67	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); BKR. 2932 & 2936 BREAKER MAINTENANCE
0031	RS	11/20/2003 22:06	12/03/2003 12:47	302.68	0.00	0.00	0000	RESERVE SHUTDOWN
0032	RS	12/03/2003 13:32	01/01/2004 00:00	682.47	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/01/2003 00:00	01/05/2003 02:52	98.87	1.78	889.80	3440	HIGH PRESSURE HEATER TUBE LEAKS; CONTINUATION OF 7A HEATER TUBE FAILURE LOAD LIMIT
0002	PO	01/05/2003 02:52	03/27/2003 07:18	1948.43	100.00	987,855.70	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); MAJOR TURBINE OVERHAUL
0003	PO	03/27/2003 16:09	03/28/2003 02:16	10.12	100.00	5,129.15	4420	MAJOR COMPONENT WORKED DURING EVENT; TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REHEATER REPLACEMENT
0004	PO	03/28/2003 08:18	03/28/2003 20:41	12.38	100.00	6,278.35	4420	MAJOR COMPONENT WORKED DURING EVENT; OTHER BOILER INSPECTIONS; BOILER WORK VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; TOOK UNIT OFF LINE FOR BALANCE SHOT
0005	D1	03/31/2003 11:09	03/31/2003 11:56	0.78	5.33	21.15	1710	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; TOOK UNIT OFF LINE FOR SECOND BALANCE SHOT
0006	D1	04/05/2003 02:48	04/05/2003 08:00	5.20	16.57	436.80	0338	COMBUSTION / STEAM CONDITION CONTROLS; BAD PRESSURE SWING MILLS, AMP. TEMP. & FEED WERE VERY HIGH, ALSO THROTTLE PRESSURE
0007	D1	04/10/2003 06:30	04/10/2003 07:15	0.75	15.19	57.75	9270	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); 1C FEEDER TRIP, WHEN COLD AIR DAMPER WENT SHUT.
0008	D1	04/10/2003 08:55	04/10/2003 10:35	1.67	15.78	133.33	9270	WET COAL (OMC); WEL COAL LIMITED LOAD, B FEEDER TRIPPED
0009	D1	04/10/2003 14:46	04/10/2003 15:10	0.40	15.78	32.00	9270	WET COAL (OMC); `A` FEEDER PLUGGED & TRIPPED DUE TO WET COAL
0010	D1	04/10/2003 20:25	04/10/2003 21:15	0.83	15.78	66.67	9270	WET COAL (OMC); `A` FEEDER TRIPPED DUE TO WET COAL

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0011	D2	04/14/2003 17:25	04/14/2003 22:40	5.25	10.26	273.00	3439	HP HEATER HEAD LEAKS; DOOR ON 7A HP FEEDWATER HEATER LEAKING
0012	D2	04/14/2003 22:40	04/15/2003 04:15	5.58	45.76	1,295.33	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; CUT LOAD TO WORK ON B BOILER FEED PUMP TURBINE
0013	D1	04/15/2003 06:00	04/16/2003 12:45	30.75	1.38	215.25	3439	HP HEATER HEAD LEAKS; DOOR ON 7A HP FEEDWATER HEATER LEAKING
0014	D1	04/25/2003 02:12	04/25/2003 02:30	0.30	34.91	53.10	0250	PULVERIZER FEEDERS; B FEEDER TRIPPED
0015	D1	04/25/2003 03:55	04/25/2003 04:10	0.25	34.91	44.25	0250	PULVERIZER FEEDERS; B FEEDER TRIPPED
0016	D1	04/25/2003 05:20	04/25/2003 08:33	3.22	34.91	569.35	0250	PULVERIZER FEEDERS; B FEEDER TRIPPED, BAD PLUGGING SWITCH
0017	D1	05/01/2003 13:50	05/01/2003 14:25	0.58	34.91	103.25	0250	PULVERIZER FEEDERS; B FEEDER TRIPPED DUE TO BAD PLUGGING SWITCH
0018	MO	05/02/2003 23:08	05/04/2003 18:50	43.70	100.00	22,155.90	1000	WATERWALL (FURNACE WALL); WATER WALL TUBE LEAK REPAIR
0019	D1	05/19/2003 15:45	05/19/2003 21:50	6.08	13.81	425.83	0250	CONTRIBUTED TO PRIMARY CAUSE; OTHER TUBE LEAKS; BOTTOM ASH TUBE LEAK REPAIR
0020	D4	05/19/2003 21:55	05/20/2003 03:07	5.20	72.39	1,908.40	1455	PULVERIZER FEEDERS; 1D FEEDER BELT BROKE INDUCED DRAFT FANS; 1A 1D FAN OIL CHANGE
0021	D1	05/20/2003 15:15	05/20/2003 15:45	0.50	20.12	51.00	9270	WET COAL (OMC); 1A FEEDER PLUGGED WITH WET COAL
0022	D4	05/20/2003 23:56	05/21/2003 02:45	2.82	62.92	898.52	1455	INDUCED DRAFT FANS; 1B 1D FAN OIL CHANGE
0023	D2	05/30/2003 15:19	06/03/2003 09:00	89.68	5.72	2,600.82	3211	CIRCULATING WATER PUMP MOTORS; LIMIT LOAD DUE TO 1A CCWP MOTOR OUT TO MAINT. FOR BEARING REPAIR
0024	D2	06/03/2003 09:00	06/03/2003 23:05	14.08	0.99	70.42	3211	CIRCULATING WATER PUMP MOTORS; LOAD LIMIT CONTINUED FOR MOTOR BEARING ON 1A CCWP
0025	D2	06/04/2003 09:00	06/04/2003 16:15	7.25	1.38	50.75	3211	CIRCULATING WATER PUMP MOTORS; LOSS OF 1A CCWP MOTOR
0026	D1	06/06/2003 01:00	06/06/2003 01:25	0.42	15.58	32.92	0250	PULVERIZER FEEDERS; LOSS OF 1C FEEDER (REMOVED LARGE PIECE OF WOOD FROM FEEDER)
0027	D1	06/16/2003 03:14	06/16/2003 03:45	0.52	31.16	81.63	3622	STATION SERVICE STARTUP TRANS FORMER; LOST POWER TO START-UP TRANSFORMER

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	D1	06/16/2003 03:45	06/16/2003 05:45	2.00	99.21	1,006.00	3622	CONTRIBUTED TO PRIMARY CAUSE; INSTRUMENT AIR COMPRESSORS; LOST POWER TO AIR COMPRESSORS; BOILER TRIPPED ON LOW CONTROL AIR PRESSURE
							3850	STATION SERVICE STARTUP TRANS FORMER; NO POWER TO STARTUP TRANSFORMER
0029	D4	06/27/2003 02:50	06/27/2003 05:05	2.25	47.14	537.75	1000	CONTRIBUTED TO PRIMARY CAUSE; INSTRUMENT AIR COMPRESSORS; AIR COMPRESSOR TRIPPED, NO CONTROL AIR
0030	MO	06/27/2003 22:35	06/29/2003 16:58	42.38	100.00	21,488.35	1000	WATERWALL (FURNACE WALL); OPERATOR REDUCED LOAD TO LOOK FOR TUBE LEAKS
							3641	WATERWALL (FURNACE WALL); REPAIR WATER WALL TUBE LEAK (STRESS CRACK)
0031	D2	07/05/2003 14:00	07/05/2003 15:40	1.67	71.99	608.33	8760	MAJOR COMPONENT WORKED DURING EVENT; CIRCUIT BREAKERS; REPAIRED MOTOR OPERATED DISCONNECT
0032	D1	07/06/2003 10:14	07/06/2003 10:30	0.27	19.53	26.40	0330	OPACITY MONITOR PROBLEMS; OPER.CUT LOAD DUE TO HIGH OPACITY (BAD MONITOR READING HIGH)
0033	D1	07/19/2003 18:50	07/19/2003 19:59	1.15	1.38	8.05	8750	PULVERIZER COAL LEAK (PULVERIZER ONLY); COAL LEAK ON 1-B MILL DISCHARGE LINE
0034	D1	08/09/2003 08:12	08/09/2003 13:05	4.88	0.79	19.53	1710	O2 ANALYZER PROBLEMS; LEFT HAND O2 PROBE WENT OUT
0035	D1	08/27/2003 12:54	08/27/2003 13:42	0.80	17.16	69.60	0250	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE WENT POSITIVE, ID FANS TOPPED OUT AND LIMIT LOAD.
0036	D1	08/31/2003 19:00	08/31/2003 19:35	0.58	12.23	36.17	0250	PULVERIZER FEEDERS; 1A FEEDER PLUGGED WITH A LARGE PIECE OF CLAY AND LIMIT LOAD.
0037	D1	08/31/2003 21:10	08/31/2003 21:30	0.33	6.31	10.67	0250	PULVERIZER FEEDERS; 1A FEEDER PLUGGED AND LIMIT LOAD.
0038	D1	09/22/2003 16:30	09/22/2003 19:15	2.75	78.70	1,097.25	3415	PULVERIZER FEEDERS; 1B FEEDER PLUGGED AND LIMIT LOAD.
								FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; 1B BFPT OIL PUMP FAIL BOILER TRIP AND LIMIT LOAD. REPLACED OIL PUMP INKIND.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0039	D1	09/23/2003 14:00	09/23/2003 14:50	0.83	19.33	81.67	0240	PULVERIZED COAL BIN; ROCK IN 1B FEEDER LIMIT LOAD.
0040	D1	09/29/2003 03:40	09/29/2003 19:30	15.83	9.66	775.83	3211	CIRCULATING WATER PUMP MOTORS; 1B CIRC. WATER PUMP MOTOR SHORTED OUT AND BURNED INNER WIRES AND LIMIT LOAD.
0041	D1	09/29/2003 19:30	09/30/2003 05:58	10.47	5.92	314.00	3211	CIRCULATING WATER PUMP MOTORS; 1B CIRC. WATER PUMP MOTOR LIMIT CONT.
0042	D1	09/30/2003 05:58	10/03/2003 14:00	80.03	4.34	1,760.73	3211	CIRCULATING WATER PUMP MOTORS; 1B CIRC. WATER PUMP MOTOR LIMIT CONT.
0043	D1	10/05/2003 18:00	10/06/2003 11:30	17.50	4.34	385.00	3211	CIRCULATING WATER PUMP MOTORS; 1-B CIRC. MOTOR LOAD LIMIT CONT.
0044	D1	10/06/2003 11:30	10/06/2003 18:30	7.00	3.55	126.00	3211	CIRCULATING WATER PUMP MOTORS; 1-B CIRC. PUMP MOTOR LOAD LIMIT CONT. OPERATION PUT REPAIRED MOTOR IN SERVICE.
0045	D1	10/12/2003 06:30	10/12/2003 11:10	4.67	35.90	849.33	0340	OTHER PULVERIZER PROBLEMS; SCRAPER DAMAGE IN 1A MILL
0046	D4	10/12/2003 21:45	10/13/2003 00:40	2.92	72.39	1,070.42	1400	FORCED DRAFT FANS; MAINT. WORK ON 1A FD FAN AND 1B PA FAN
0047	D1	10/13/2003 00:40	10/13/2003 01:15	0.58	94.48	279.42	0264	CONTRIBUTED TO PRIMARY CAUSE; PRIMARY AIR FAN;
0048	D4	10/13/2003 01:15	10/18/2003 09:00	127.75	72.39	46,884.25	0260	OTHER PRIMARY AIR FAN PROBLEMS; BOILER TRIP ON PRIMARY AIR PSI LESS THAN 30 INCHES.
0049	D4	10/18/2003 09:00	10/18/2003 09:21	0.35	45.36	80.50	0260	PRIMARY AIR FAN; MAINT. WORK CONTINUE ON 1A FD FAN AND 1B PA FAN FOLLOWING BOILER TRIP.
0050	D1	10/18/2003 09:21	10/18/2003 10:10	0.82	88.95	368.32	1420	PRIMARY AIR FAN; MAINT. WORK CONTINUE ON 1A FD FAN AND 1B PA FAN FOLLOWING BOILER TRIP.
0051	D4	10/18/2003 10:10	10/19/2003 05:15	19.08	45.36	4,389.17	1400	OTHER FORCED DRAFT FAN PROBLEMS; BOILER TRIP WHEN 1B FD FAN INLET VANES CLOSED.
0052	D1	10/27/2003 04:40	10/27/2003 09:05	4.42	28.99	649.25	0898	FORCED DRAFT FANS; MAINT WORK ON 1A FD FAN CONT. AND LIMIT LOAD.
								BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 1B MILL PYRITE CHUTE PLUGGED AND LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0053	U2	10/28/2003 15:05	10/30/2003 16:55	49.83	100.00	25,265.50	1040	FIRST SUPERHEATER TUBE LEAKS; SUPERHEATER TUBE REPAIR.
0054	D2	11/02/2003 15:00	11/02/2003 17:15	2.25	20.71	236.25	0310	PULVERIZER MILLS; MAINT INSPECT 1A MILL AND LIMIT LOAD.
0055	D1	11/02/2003 22:15	11/02/2003 23:56	1.68	39.05	333.30	0250	PULVERIZER FEEDERS; 1C FEEDER RUNBACK DUE TO A ROCK JAMMED FEEDER BELT.
							0345	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER OVERHAUL; 1E MILL OUT TO MAINT FOR OVERHAUL CONT.
0056	PO	11/20/2003 05:23	11/20/2003 16:16	10.88	100.00	5,517.85	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE SHOTS ON #1 AND #2 TURBINE BLADES. UNIT STAYED ON-LINE TO INSURE FULL LOAD BAL
0057	PO	11/20/2003 22:43	12/06/2003 00:00	361.28	100.00	183,170.65	3270	INTAKE SYSTEM PROBLEMS OTHER THAN TRAVELING SCREENS; INTAKE CANAL STOP LOG INSPECTION.
							4550	MAJOR COMPONENT WORKED DURING EVENT; GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); GENERATOR INSPECTION
							4261	CONTRIBUTED TO PRIMARY CAUSE; CONTROL VALVES; REMOVE STRAINERS FROM THROTTLE AND INTERCEPT VALVES.
0058	MO	12/06/2003 00:00	12/06/2003 17:59	17.98	100.00	9,117.55	1460	INDUCED DRAFT FAN FOULING; 1-AID FAN FAILURE. VAIN WHEEL REPAIR. STEEL PASS THROUGH FAN.
0059	D1	12/06/2003 18:33	12/06/2003 19:12	0.65	99.61	328.25	9900	OPERATOR ERROR; BOILER TRIP ON FURNACE PSI
							0380	CONTRIBUTED TO PRIMARY CAUSE; LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); COULDN'T GET BOILER PURGE AFTER TRIP, LOGIC ON D ELEV KEPT US OUT.
0060	U1	12/06/2003 19:12	12/06/2003 23:55	4.72	100.00	2,391.35	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); OPERATOR COULDN'T GET BOILER PURGE. LOGIC ON D ELEV REPAIRED.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D1	01/01/2003 11:25	01/01/2003 12:45	1.33	19.65	134.67	0250	PULVERIZER FEEDERS; 2E FEEDER PLUGGED, BIG CHUNK OF COAL STUCK IN FEEDER PIPE
0002	D1	01/08/2003 21:05	01/08/2003 21:40	0.58	19.46	58.33	9270	WET COAL (OMC); WET COAL
0003	D1	01/08/2003 23:06	01/09/2003 03:15	4.15	20.43	435.75	0250	PULVERIZER FEEDERS; 2E FEEDER BELT BROKE, ALSO A COAL LEAK ON 2A FEEDER
0004	D1	01/09/2003 07:30	01/09/2003 08:30	1.00	8.95	46.00	0250	PULVERIZER FEEDERS; 2E FEEDER PLUGGED, PIECE OF CONCRETE IN FEEDER
0005	D1	01/14/2003 12:10	01/14/2003 15:30	3.33	10.89	186.67	0880	FLY ASH REMOVAL SYSTEM (NOT PRECIPITATORS, SCRUBBERS, MECHANICAL COLLECTORS, OR BAGHOUSES); LOSS OF DRYASH VACUUM PUMPS, CUT LOAD
0006	D2	01/27/2003 14:00	01/27/2003 17:30	3.50	32.88	591.50	3420	FEEDWATER PIPING AND SUPPORTS; STEAM LEAK ON 2B BOILER FEED PUMP DISCHARGE LINE
0007	D2	02/04/2003 13:00	02/04/2003 14:30	1.50	16.73	129.00	3410	FEEDWATER PUMP; 2B BOILER FEED PUMP FOR MAINT. TO TAKER VIBRATION READINGS AT REDUCED LOAD
0008	D1	02/07/2003 20:30	02/07/2003 21:25	0.92	16.73	78.83	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; E MILL PYRITE PLUGGED WITH METAL
0009	U1	02/10/2003 06:40	02/10/2003 17:45	11.08	100.00	5,696.83	9910	MAINTENANCE PERSONNEL ERROR; LOSS VITAL AC WHEN CONTROL CENTER OPENED UP OCEAN SPRINGS LINE BREAKER
0010	D3	02/13/2003 11:05	02/13/2003 22:40	11.58	37.35	2,224.00	3410	FEEDWATER PUMP; 2B BOILER FEED PUMP BEARING REPLACEMENT
0011	PO	02/14/2003 18:24	02/27/2003 13:48	307.40	100.00	158,003.60	4611	HYDROGEN COOLERS; GENERATOR HYDROGEN COOLER
							3620	MAJOR COMPONENT WORKED DURING EVENT; MAIN TRANSFORMER; MAIN POWER TRANSFORMER
0012	U1	02/27/2003 14:20	02/27/2003 16:12	1.87	100.00	959.47	3620	MAIN TRANSFORMER; GROUND ON MAIN TRANSFORMER CAUSED UNIT TRIP
0013	U1	02/28/2003 02:45	02/28/2003 12:18	9.55	100.00	4,908.70	3650	DC INSTRUMENT POWER BATTERY CHARGERS; UNIT TRIPPED DUE TO SWAPPING OF BATTERY CHARGERS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D1	03/01/2003 02:34	03/01/2003 09:30	6.93	26.07	929.07	3410	CONTRIBUTED TO PRIMARY CAUSE; LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); START-UP PROBLEMS WITH OIL GUNS
0015	D1	03/04/2003 08:35	03/04/2003 09:37	1.03	90.86	482.57	9910	FEEDWATER PUMP; 2B BOILER FEED PUMP OUT OF SERVICE
0016	D1	03/11/2003 07:20	03/11/2003 08:48	1.47	16.73	126.13	0898	MAINTENANCE PERSONNEL ERROR; LINING UP BOTH DRUM LEVEL GAUGE AT THE SAME TIME CAUSED BLR. TO TRIP ON LOW DRUM LEVEL
0017	D1	03/14/2003 22:58	03/15/2003 00:10	1.20	20.62	127.20	0250	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 2E MILL PYRITE PLUGGED WITH PIECE OF METAL
0018	D1	03/15/2003 03:10	03/15/2003 06:00	2.83	18.48	269.17	0250	PULVERIZER FEEDERS; 2C FEEDER RUNNING ERRATICALLY FROM 20-100%
0019	D1	03/15/2003 19:35	03/15/2003 20:24	0.82	17.32	72.68	0250	PULVERIZER FEEDERS; 2D FEEDER TRIPPED DUE TO LARGE PIECE OF CONCRETE IN FEEDER
0020	D1	03/25/2003 20:15	03/26/2003 00:25	4.17	16.34	350.00	0250	PULVERIZER FEEDERS; EXCESSIVE COAL INSIDE FEEDER-BELT MAY BE SLIPPING, TAKING OFF TO INSPECT
0021	U1	04/06/2003 13:23	04/07/2003 03:10	13.78	100.00	7,084.63	3641	PULVERIZER FEEDERS; 2C FEEDER TRIPPED, LARGE PIECE OF CONCRETE TORE THE FEEDER BELT. REPLACED FEEDER BELT
0022	D1	04/08/2003 17:50	04/08/2003 19:20	1.50	31.91	246.00	9270	CIRCUIT BREAKERS; 208 BREAKER TRIP / 352B NORMAL ESSENTIAL POWER SUPPLY. POSS. WATER IN CABINET
0023	D1	04/09/2003 01:30	04/09/2003 02:03	0.55	21.21	59.95	9270	CONTRIBUTED TO PRIMARY CAUSE; COMBUSTION / STEAM CONDITION CONTROLS; HIGH DRUM LEVEL, BOILER TRIPPED
0024	D1	04/10/2003 07:20	04/10/2003 11:20	4.00	26.07	536.00	9270	WET COAL (OMC); `E` & `B` FEEDERS PLUGGED DUE TO WET COAL
0025	D1	04/11/2003 09:15	04/11/2003 09:35	0.33	16.93	29.00	9270	WET COAL (OMC); CLEAN `D` FEEDER DUE TO WET COAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	D3	04/12/2003 00:15	04/12/2003 07:15	7.00	72.37	2,604.00	3660	4000-7000 VOLT TRANSFORMERS; 2A 4160 BUSS RELAY CHECK, RELAY HOLDING A TRIP ON AUX. RELAY
0027	D1	04/24/2003 21:15	04/24/2003 22:20	1.08	7.20	40.08	0310	PULVERIZER MILLS; 2A MILL PROBLEM, LIMITED LOAD
0028	D1	04/26/2003 00:20	04/26/2003 00:45	0.42	22.18	47.50	0250	PULVERIZER FEEDERS; REMOVED METAL FROM C FEEDER
0029	D2	04/26/2003 02:50	04/26/2003 06:52	4.03	21.98	455.77	3211	CIRCULATING WATER PUMP MOTORS; 'A' CIRCULATING WATER PUMP REPAIR
0043	NC	04/28/2003 01:44	05/25/2003 17:15	663.52	0.00	0.00	0345	PULVERIZER OVERHAUL; REBUILD 2 E MILL
0030	D4	04/30/2003 23:38	05/01/2003 06:16	6.63	45.53	1,552.20	3110	CONDENSER TUBE LEAKS; CHECK 2A CONDENSER FOR LEAKS
0031	D1	05/03/2003 05:00	05/03/2003 06:03	1.05	97.28	525.00	1455	INDUCED DRAFT FANS; BOILER TRIP DUE TO ID FAN DAMPER PROBLEMS
0032	U2	05/03/2003 06:03	05/03/2003 12:34	6.52	100.00	3,349.57	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); OPER. TRIPPED TURBINE DUE TO LIGHT OFF SYST.FAIL. LIGHTER OIL TRIP VALVE FAILED TO OPEN
0033	D4	05/15/2003 23:55	05/16/2003 05:28	5.55	64.98	1,853.70	3211	CIRCULATING WATER PUMP MOTORS; 2A CIRC. WATER PUMP REALIGNMENT BY MAINT. DEPT., LIMIT LOAD
							3110	MAJOR COMPONENT WORKED DURING EVENT; CONDENSER TUBE LEAKS; 2A CONDENSER OUT, LOOK FOR TUBE LEAK
0034	D1	05/18/2003 18:22	05/18/2003 22:25	4.05	12.45	259.20	9270	WET COAL (OMC); WET COAL
0035	D1	05/19/2003 05:45	05/19/2003 10:58	5.22	12.06	323.43	9270	WET COAL (OMC); WET COAL
0036	D4	05/19/2003 10:58	05/19/2003 11:33	0.58	43.00	128.92	3211	CIRCULATING WATER PUMP MOTORS; CUT LOAD TO CHANGE OUT OIL IN 2A CIRC. WATER PUMP MOTOR
0037	D1	05/19/2003 11:00	05/25/2003 17:15	150.25	12.45	9,580.80	3211	CIRCULATING WATER PUMP MOTORS; 2A CIRCULATING WATER PUMP MOTOR OUT
0038	D4	05/19/2003 22:05	05/20/2003 03:30	5.42	72.76	1,679.17	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; OPER.CUT LOAD TO REPAIR 2B BOILER FEED PUMP LVHT LOW PSI CONTROL VALVE
0039	D1	05/20/2003 11:05	05/20/2003 11:15	0.17	72.76	51.67	3639	OTHER 400-700 VOLT PROBLEMS; LOST 2C MCC, 2B & 2D FEEDERS POWERED FROM 2C MCC

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0040	D1	05/20/2003 11:40	05/20/2003 11:56	0.27	49.42	50.67	0250	PULVERIZER FEEDERS; 2C FEEDER TRIPPED, SOMETHING HIT FEEDER PLUGGING SWITCH
0041	D1	05/20/2003 15:10	05/20/2003 15:26	0.27	39.69	37.33	0250	PULVERIZER FEEDERS; 2C FEEDER TRIPPED, SOMETHING HIT FEEDER PLUGGING SWITCH
0042	D1	05/20/2003 18:45	05/20/2003 19:50	1.08	35.80	130.00	9270	WET COAL (OMC); 2C FEEDER TRIPPED, ALSO CLEANED 2B AND 2A
0044	D1	06/04/2003 12:06	06/04/2003 16:00	3.90	22.18	444.60	9270	WET COAL (OMC); 2B FEEDER TRIPPED DUE TO WET COAL
0045	D1	06/04/2003 19:58	06/04/2003 21:15	1.28	20.23	133.47	9270	WET COAL (OMC); WET COAL CAUSING BUILDUP IN 2D FEEDER PIECE OF PYRITE STUCK IN DISCHARGE CHUTE
0046	D1	06/04/2003 21:40	06/04/2003 22:15	0.58	20.23	60.67	9270	WET COAL (OMC); WET COAL CAUSING BUILDUP IN 2B FEEDER
0047	D1	06/06/2003 02:14	06/06/2003 02:45	0.52	26.07	69.23	0250	PULVERIZER FEEDERS; LARGE ROCK STUCK IN 2A FEEDER
0048	D1	06/09/2003 06:00	06/09/2003 07:00	1.00	26.07	134.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2A BFPT NOT ROLLING
0049	D1	06/09/2003 16:08	06/09/2003 16:40	0.53	10.89	29.87	0250	PULVERIZER FEEDERS; 2A FEEDER TRIPPED (REMOVED PIECE OF METAL FROM FEEDER)
0050	D2	06/09/2003 21:40	06/09/2003 23:00	1.33	31.52	216.00	3211	CIRCULATING WATER PUMP MOTORS; 2A CCWP MOTOR OUT TO MAINT.
0051	D2	06/09/2003 23:00	06/10/2003 23:40	24.67	22.18	2,812.00	3211	CIRCULATING WATER PUMP MOTORS; 2A CCWP MOTOR OUT TO MAINT., LOAD LIMIT
0052	D1	06/15/2003 01:01	06/15/2003 03:05	2.07	95.72	1,016.80	1475	INDUCED DRAFT FAN CONTROLS; ERROR IN ID FAN LOGIC CAUSED 2B ID FAN TO TRIP, CAUSING BOILER TRIP
0053	D1	06/16/2003 02:02	06/16/2003 03:14	1.20	99.81	615.60	1475	INDUCED DRAFT FAN CONTROLS; BOILER TRIP DUE TO ERROR IN ID FAN LOGIC WHILE TAKING ONE SET OF FANS OFF
							3620	CONTRIBUTED TO PRIMARY CAUSE; MAIN TRANSFORMER; LOST PWR TO START-UP TRANSFORMER, CAUSED LOW CONTR.AIR PRESSURE WHEN AIR COMPR. TRIPPED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0054	U1	06/16/2003 03:14	06/16/2003 17:51	14.62	100.00	7,512.97	3622	STATION SERVICE STARTUP TRANS FORMER; START-UP TRANSFORMER FAILED, LOW SIDE DISCONNECT BURNED UP, LOST POWER ON EVERYTHING
0055	D4	06/24/2003 21:25	06/25/2003 13:45	16.33	36.19	3,038.00	3211	CIRCULATING WATER PUMP MOTORS; 2A CWP OFF FOR MAINT. TO ALIGN, FLUSH OIL, CK.AIR GAP, & TEST RUN MOTOR UNCOUPLED
0056	D1	06/30/2003 12:45	06/30/2003 14:30	1.75	30.93	278.25	9270	WET COAL (OMC); WET COAL PLUGGED 2D FEEDER, CLEANED OUT
0057	D1	07/04/2003 09:55	07/04/2003 10:40	0.75	18.09	69.75	9270	WET COAL (OMC); OPER. CUT LOAD TO CLEAN FEEDERS (WET COAL)
0058	D2	07/05/2003 10:10	07/05/2003 12:00	1.83	22.57	212.67	0340	OTHER PULVERIZER PROBLEMS; OPER. CUT LOAD TO INSPECT & REPAIR C MILL AIR CANNON
0059	D4	07/11/2003 10:30	07/11/2003 14:25	3.92	45.53	916.50	3211	CIRCULATING WATER PUMP MOTORS; OPER. CUT LOAD TO CHANGE 2A CWP MOTOR OIL AND LIMIT LOAD.
0060	D4	07/12/2003 08:30	07/12/2003 12:50	4.33	1.95	43.33	0344	PULVERIZER INSPECTION; 2E MILL OUT FOR MAINT TO INSPECT AND SET ROLLER RING CLEARANCE
0061	D4	07/12/2003 12:50	07/12/2003 17:15	4.42	3.11	70.67	0344	PULVERIZER INSPECTION; 2D MILL OUT FOR MAINT TO INSPECT AND SET ROLLER RING CLEARANCE.
0062	D1	07/16/2003 08:26	07/16/2003 11:00	2.57	4.28	56.47	0340	OTHER PULVERIZER PROBLEMS; 2B MILL OUT OF SERVICE TO REPAIR CLASSIFIER
0063	D1	07/17/2003 07:15	07/17/2003 08:35	1.33	14.20	97.33	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); COAL LEAK ON MILL PIPE
0064	D1	07/18/2003 11:40	07/18/2003 12:26	0.77	26.07	102.73	9270	WET COAL (OMC); 2B FEEDER PLUGGED DUE TO WET COAL
0065	D1	07/28/2003 14:30	07/28/2003 15:32	1.03	26.26	139.50	0250	PULVERIZER FEEDERS; 2E FEEDER BELT JAMED, NOT SURE WHAT AND LIMIT LOAD
0066	D1	07/30/2003 20:30	07/30/2003 22:15	1.75	2.72	24.50	0250	PULVERIZER FEEDERS; LARGE PIECE OF CONCRETE LODGED IN FEEDER 2E AND LIMIT LOAD.
0067	D4	08/07/2003 00:00	08/07/2003 02:30	2.50	53.31	685.00	3211	CIRCULATING WATER PUMP MOTORS; OPERATOR CUT LOAD TO CHANGE OIL IN 2A CIRC. WATER PUMP MOTOR AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

January 01, 2003 00:00 - January 01, 2004 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0068	D4	08/15/2003 23:00	08/16/2003 03:30	4.50	4.47	103.50	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 6A HP HEATER INLET MOV WOULD NOT CLOSE, MAINT. WORKING ON VALVE.
0070	D4	08/19/2003 21:14	08/20/2003 05:30	8.27	72.18	3,066.93	4261	CONTROL VALVES; OPERATOR REDUCED LOAD FOR MAINT. TO REPAIR #6 GOV. VALVE OIL LEAK AND LIMIT LOAD.
0069	D4	08/20/2003 22:29	08/21/2003 03:46	5.28	56.42	1,532.17	3110	CONDENSER TUBE LEAKS; OPERATOR REDUCED LOAD TO LOOK FOR TUBE LEAK ON 2B CONDENSER AND LIMIT LOAD.
0071	D1	08/27/2003 22:30	08/28/2003 00:21	1.85	7.39	70.30	9270	WET COAL (OMC); WET COAL LIMIT LOAD.
0072	D1	08/28/2003 18:00	08/28/2003 19:00	1.00	9.92	51.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER WENT POSITIVE AND LIMIT LOAD.
0073	D1	08/29/2003 09:33	08/29/2003 12:23	2.83	44.16	643.17	3661	4000-7000 VOLT CIRCUIT BREAKERS; 2B CIRC. WATER PUMP 4160 BKR TRIPPED PUMP AND LIMIT LOAD.
0074	D1	09/09/2003 01:30	09/09/2003 03:30	2.00	92.80	954.00	1750	BURNER MANAGEMENT SYSTEM; FLAME SCANNER FAIL AND TRIP BOILER
0075	U1	09/09/2003 03:30	09/09/2003 07:03	3.55	100.00	1,824.70	1750	BURNER MANAGEMENT SYSTEM; BAD FLAME SCANNER KEPT UNIT FROM START-UP.
0076	U1	09/14/2003 03:34	09/14/2003 06:20	2.77	100.00	1,422.07	9900	OPERATOR ERROR; TURBINE TRIP DURING FRONT STANDARD TEST.
0077	D1	09/18/2003 01:05	09/18/2003 02:30	1.42	77.04	561.00	1750	BURNER MANAGEMENT SYSTEM; FLAME SCANNER FAIL AND TRIP BOILER.
0078	U1	09/18/2003 02:30	09/18/2003 07:29	4.98	100.00	2,561.43	0380	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); OPER. TRIPPED TURBINE. IGNITOR OIL TRIP VALVE FAIL TO OPEN AFTER BOILER TRIP.
0079	D1	09/19/2003 00:30	09/19/2003 02:50	2.33	87.35	1,047.67	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); BOILER TRIP ON INADEQUATE WATER WALL DIFF.
0080	D2	09/23/2003 08:20	09/23/2003 10:15	1.92	73.54	724.50	1050	SECOND SUPERHEATER TUBE LEAKS; REDUCED LOAD TO LOOK FOR TUBE LEAK.
0081	MO	09/24/2003 02:07	09/25/2003 19:57	41.83	100.00	21,502.33	1090	OTHER TUBE LEAKS; FLUID COOLED SPACER TUBE LEAK REPAIR

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0082	D2	10/16/2003 23:50	10/17/2003 00:06	0.27	16.54	22.67	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; MAINT. INSPECT SCRAPER SECTION OF 2-D MILL
0083	D1	10/17/2003 14:30	10/18/2003 07:00	16.50	7.78	660.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0084	D1	10/23/2003 06:05	10/23/2003 12:30	6.42	8.17	269.50	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0085	D1	10/23/2003 18:50	10/24/2003 01:58	7.13	8.17	299.60	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0086	D1	11/03/2003 15:19	11/03/2003 16:00	0.68	3.70	12.98	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD
0087	PO	11/08/2003 00:53	12/19/2003 18:54	1002.02	100.00	515,036.57	1810	OTHER BOILER INSPECTIONS; INSPECT AND REPAIR AS NECESSARY.
							1820	MAJOR COMPONENT WORKED DURING EVENT; CHEMICAL CLEANING/STEAM BLOWS; CHEMICAL CLEANING BOILER.
							3119	MAJOR COMPONENT WORKED DURING EVENT; OTHER CONDENSER TUBE PROBLEMS; PLASTECOR COATING OF CONDENSER TUBES.
							0385	MAJOR COMPONENT WORKED DURING EVENT; IGNITERS; IGNITOR AND FLAME SCANNER UPGRADE.
0088	U1	12/19/2003 20:30	12/19/2003 21:43	1.22	100.00	625.37	1710	COMBUSTION / STEAM CONDITION CONTROLS; LOW BWCP DIFF. TRIP BOILER. OPERATOR TRIP UNIT.
							0380	MAJOR COMPONENT WORKED DURING EVENT; LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); IGNITORS DROPPED OUT AND PREVENTED THE UNIT FROM STARTING UP.
0089	D1	12/21/2003 13:35	12/21/2003 14:00	0.42	87.94	188.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; LOW BWCP DIFF. TRIP BOILER AND LIMIT LOAD
0090	D1	12/22/2003 05:30	12/22/2003 07:00	1.50	95.72	738.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); LOW DRUM LEVEL BOILER TRIP AND LIMIT LOAD.

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Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 2								
0001	RS	01/01/2004 00:00	09/16/2004 03:13	6218.22	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	U1	09/16/2004 03:13	09/18/2004 07:35	52.37	100.00	1,256.80	9035	HURRICANE; UNAVAILABLE DUE TO HURRICANE DAMAGE TO TRANSMISSION.
0003	RS	09/18/2004 07:35	01/01/2005 00:00	2513.42	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
Crist 3								
0001	RS	01/01/2004 00:00	09/16/2004 03:13	6218.22	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	U1	09/16/2004 03:13	09/18/2004 07:35	52.37	100.00	1,832.83	9035	HURRICANE; UNIT NOT AVAILABLE DUE TO HURRICANE DAMAGE TO TRANSMISSION
0003	RS	09/18/2004 07:35	01/01/2005 00:00	2513.42	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
Crist 4								
0001	NC	02/13/2004 06:00	02/13/2004 17:00	11.00	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER LOSS DUE TO LARGE COAL.
0002	NC	02/15/2004 06:00	02/15/2004 17:00	11.00	0.00	0.00	0250	PULVERIZER FEEDERS; A-D FEEDERS WET COAL
0003	MO	06/26/2004 22:52	06/28/2004 01:58	27.10	100.00	2,113.80	4602	EXCITER COMMUTATOR AND BRUSHES; UNIT REMOVED FROM SERVICE TO REPAIR EXCITER BRUSHES AND TO REPAIR AIR HEATER SOOTBLOWE
							1500	CONTRIBUTED TO PRIMARY CAUSE; AIR HEATER SOOT BLOWERS;
0004	U1	09/16/2004 00:35	09/18/2004 16:23	63.80	100.00	4,976.40	9035	HURRICANE; OFF LINE DUE TO (HURRICANE IVAN) SYSTEM DEMAND.LOSS OF TRANSMISSION.
0005	MO	12/17/2004 11:02	12/19/2004 03:46	40.73	100.00	3,177.20	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HAD A PLATE DOWN AND SOME WIRES WERE SHORTED OUT AND A BROKE INSULATOR.
0006	NC	12/26/2004 07:00	12/28/2004 07:45	48.75	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 4D MILL HAD A PLUGED COAL PIPE ON THE RIGHT REAR.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	NC	01/21/2004 13:00	01/21/2004 14:37	1.62	0.00	0.00	0250	PULVERIZER FEEDERS; REMOVED 5-B FEEDER FROM SERVICE TO REPAIR SCRAPER BLADE.
0002	D4	02/04/2004 14:05	02/05/2004 23:25	33.33	16.25	433.33	0240	PULVERIZED COAL BIN; UNIT REDUCED DUE TO BUNKER REPAIR.
0003	NC	02/13/2004 06:00	02/13/2004 17:00	11.00	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER STOPPAGE DUE TO LARGE COAL.
0004	NC	02/15/2004 06:00	02/15/2004 17:00	11.00	0.00	0.00	0250	PULVERIZER FEEDERS; A-D FEEDERS WET COAL
0005	MO	02/18/2004 19:07	02/19/2004 21:14	26.12	100.00	2,089.33	1080	ECONOMIZER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR ECONOMIZER TUBE LEAK.
0006	MO	08/28/2004 08:46	08/29/2004 12:24	27.63	100.00	2,210.67	1080	ECONOMIZER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR TUBE LEAK.
0007	U1	09/16/2004 00:26	09/18/2004 07:35	55.15	100.00	4,412.00	9035	HURRICANE; OFF LINE DUE TO (HURRICANE IVAN) SYSTEM DEMAND.LOSS OF TRANSMISSION.
0008	NC	12/24/2004 12:55	12/24/2004 16:18	3.38	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER ROLL BEARING HAD TO BE REPLACED.
0009	D1	12/28/2004 14:00	12/28/2004 17:09	3.15	43.75	110.25	8590	OTHER PRECIPITATOR PROBLEMS; CRACKED INSULSTOR AND SOME DOWN WIRES.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	PO	01/01/2004 00:00	01/24/2004 19:10	571.17	100.00	172,492.33	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); PLANNED BOILER OUTAGE
0002	U2	01/24/2004 23:20	01/25/2004 18:20	19.00	100.00	5,738.00	3235	COOLING TOWER BOOSTER PUMP; UNIT REMOVED FROM SERVICE TO REPAIR 6-A BOOSTER PUMP.
0003	U1	01/25/2004 19:22	02/01/2004 04:49	153.45	100.00	46,341.90	4604	EXCITER DRIVE - SHAFT; REMOVED UNIT FROM SERVICE TO REPLACE DAMAGED EXCITER ROTOR
0004	MO	02/20/2004 21:26	02/21/2004 21:26	24.00	100.00	7,248.00	1000	WATERWALL (FURNACE WALL); REMOVED UNIT FROM SERVICE TO REPAIR LOWER WATERWALL HEADER DRAIN LEAK
0005	U1	03/05/2004 08:01	03/05/2004 23:47	15.77	100.00	4,761.53	4293	HYDRAULIC SYSTEM PIPES AND VALVES; UNIT TRIPPED DURING VALVE TESTING, DUE TO LOSS OF E.H. OIL PSI.
0006	U1	03/14/2004 12:36	03/14/2004 13:42	1.10	100.00	332.20	4293	HYDRAULIC SYSTEM PIPES AND VALVES; UNIT TRIPPED DUE TO LOW E.H. OIL PRESSURE.
0007	U1	03/20/2004 00:22	03/20/2004 01:43	1.35	100.00	407.70	4293	HYDRAULIC SYSTEM PIPES AND VALVES; UNIT TRIPPED DURING TURBINE VALVE TESTING.
0008	MO	04/01/2004 03:45	04/24/2004 00:32	547.78	100.00	165,430.57	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); UNIT TRIPPED DURING VALVE TESTING .OFFLINE TO REPAIR TURBINE EXTENSION SHAFT.
0009	U1	05/15/2004 17:59	05/17/2004 00:11	30.20	100.00	9,120.40	1050	SECOND SUPERHEATER TUBE LEAKS; REMOVED UNIT 6 FROM SERVICE TO REPAIR TUBE LEAKS IN HRA AND LOWER ECONOMIZER SECTIONS
							1080	CONTRIBUTED TO PRIMARY CAUSE; ECONOMIZER TUBE LEAKS;
0010	U1	05/31/2004 23:24	06/02/2004 03:51	28.45	100.00	8,591.90	1000	WATERWALL (FURNACE WALL); REMOVED UNIT FROM SERVICE DUE TO A WATERWALL TUBE LEAK.
0011	U1	06/09/2004 18:58	06/11/2004 11:49	40.85	100.00	12,336.70	1080	ECONOMIZER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR ECONOMIZER TUBE LEAK.
0012	U1	07/18/2004 13:19	07/20/2004 13:07	47.80	100.00	14,435.60	1080	ECONOMIZER TUBE LEAKS; UNIT REMOVE FROM SERVICE TO REPAIR ECONOMIZER TUBE LEAKS.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	D1	07/27/2004 06:48	07/27/2004 09:42	2.90	12.58	110.20	3236	COOLING TOWER BOOSTER MOTOR; 6A BOOSTER OUT OF SERVICE DUE TO MOTOR STATOR.
0014	D4	07/30/2004 21:10	07/31/2004 11:50	14.67	53.64	2,376.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); UNIT CAME DOWN TOO SHOOT AND CLEAN "B" SIDE CONDENSER.
0015	D4	07/31/2004 23:03	08/01/2004 09:15	10.20	53.64	1,652.40	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); UNIT CAME DOWN TOO CLEAN "A" SIDE CONDENSER.
0016	D4	08/02/2004 00:15	08/02/2004 06:15	6.00	58.28	1,056.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); UNIT CAME DOWN TOO FINISH CLEANING "A" SIDE CONDENSER.
0017	U1	08/02/2004 21:38	08/03/2004 02:58	5.33	100.00	1,610.67	3649	OTHER AC INSTRUMENT POWER PROBLEMS; UNIT TRIPPED OFF LINE DUE TO LOSS OF CONTROL POWER.
0018	U1	08/03/2004 04:20	08/03/2004 06:49	2.48	100.00	749.97	0720	BLOWDOWN SYSTEM CONTROLS / INSTRUMENTATION; UNIT CONTROLS TOOK OUT THE FIRES BECAUSE OF HIGH DRUM LEVEL.
0019	U1	08/20/2004 08:03	08/20/2004 08:47	0.73	100.00	221.47	3681	OTHER VOLTAGE CIRCUIT BREAKERS; ELECTRICIANS WERE DOING 208V BREAKER PM'S ON A NORMAL MISC. BREAKER AND ALL MILLS TRIP
0020	U1	09/16/2004 03:13	09/18/2004 07:35	52.37	100.00	15,814.73	9035	HURRICANE; OFF LINE DUE TO STORM (HURRICANE IVAN) SYSTEM DEMAND.LOSS OF TRANSMISSION
0021	MO	09/18/2004 07:35	09/22/2004 11:27	99.87	100.00	30,159.73	3245	OTHER COOLING TOWER PROBLEMS; UNIT OFFLINE TO MAKE PREPARATIONS FOR ONCE THRU SYSTEM.COOLING TOWER DAMAGED.
0022	D4	09/22/2004 11:27	09/26/2004 14:20	98.88	58.28	17,403.47	3211	CIRCULATING WATER PUMP MOTORS; UNIT DERATED DUE TO 6-A CIRCULATOR OUT FOR REPAIR.
0023	NC	09/29/2004 10:15	09/29/2004 12:15	2.00	0.00	0.00	0264	OTHER PRIMARY AIR FAN PROBLEMS; 6-B P.A. FAN DAMPER NOT OPERATING PROPERLY.
0024	U1	10/13/2004 07:38	10/14/2004 20:25	36.78	100.00	11,108.57	1080	ECONOMIZER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR ECONOMIZER TUBE LEAK.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	D1	10/15/2004 08:55	10/15/2004 11:30	2.58	96.69	754.33	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; LOST FIRES ON DRUM LEVEL TRIP DUE TO 6-A FEEDER TRIP.
0026	NC	10/15/2004 09:20	10/16/2004 07:35	22.25	0.00	0.00	0260	PRIMARY AIR FAN; 6-A P.A. FAN MOTOR BURNED UP. 6-A MILL OUT OF SERVICE.
0027	U1	10/23/2004 02:12	10/23/2004 03:40	1.47	100.00	442.93	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; UNIT TRIPPED ON HIGH DRUM LEVEL DO TO TURBINE VALVE TESTING.
0028	U1	10/30/2004 13:48	11/01/2004 02:57	38.15	100.00	11,521.30	1080	ECONOMIZER TUBE LEAKS; BOILER TUBE LEAK IN THE ECONOMIZER CAUSED BY EROSION.
0029	D1	11/11/2004 07:15	11/12/2004 19:45	36.50	70.86	7,811.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; WATER IN MOTOR LEAD JUNCTION BOX ON 6A ID. FAN CAUSED FAN TO TRIP.
0030	U1	11/16/2004 10:49	11/17/2004 16:01	29.20	100.00	8,818.40	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK THREE TUBES LEAKING ALL DUE TO EROSION.
0031	MO	12/03/2004 21:14	12/16/2004 09:56	300.70	100.00	90,811.40	1080	ECONOMIZER TUBE LEAKS; CUTTING OUT AND REPLACING FIVE BAD TUBES IN THE ECONOMIZER SECTION.
0032	MO	12/22/2004 08:41	12/23/2004 02:19	17.63	100.00	5,325.27	1090	OTHER TUBE LEAKS; TUBE LEAK IN THE HEAT RECOVERY AREA SIDE WALL.

Event Listing With All Reported Cause Codes

January 01, 2004 00:00 - January 01, 2005 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	PO	02/01/2004 22:04	04/21/2004 23:01	1919.95	100.00	915,816.15	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED TURBINE AND BOILER OUTAGE.
							4400	MAJOR COMPONENT WORKED DURING EVENT; MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.);
0002	PO	04/22/2004 00:09	04/22/2004 05:47	5.63	100.00	2,687.10	4460	TURBINE OVERSPEED TRIP TEST; REMOVED UNIT FROM SERVICE TO PERFORM TURBINE OVERSPEED TEST.
0003	NC	04/22/2004 08:30	04/22/2004 10:00	1.50	0.00	0.00	3310	CONDENSATE/HOTWELL PUMPS; 7-A CONDENSATE PUMP REMOVED FROM SERVICE TO CLEAN STRAINER
0004	U1	04/23/2004 11:47	04/28/2004 18:37	126.83	100.00	60,499.50	4609	OTHER EXCITER PROBLEMS; UNIT TRIPPED DUE TO EXCITER GROUND RESULTING IN LOSS OF EXCITATION.
0005	U1	04/29/2004 10:20	04/29/2004 13:18	2.97	100.00	1,415.10	4609	OTHER EXCITER PROBLEMS; UNIT TRIPPED DUE TO LOSS OF COOLING MEDIUM FOR PORTABLE EXCITER.
0006	D1	04/30/2004 13:45	04/30/2004 16:30	2.75	66.46	871.75	1420	OTHER FORCED DRAFT FAN PROBLEMS; REDUCED LOAD DUE TO F.D. FAN CONTROL ARM WELD BROKE FREE FROM DAMPER.
0007	MO	05/13/2004 23:11	05/15/2004 21:31	46.33	100.00	22,101.00	1040	FIRST SUPERHEATER TUBE LEAKS; REMOVED UNIT 7 FROM SERVICE TO REPAIR TUBE LEAKS IN SUPERHEAT AND ECONOMIZER SECTIONS CONTRIBUTED TO PRIMARY CAUSE; ECONOMIZER TUBE LEAKS;
0008	D1	05/16/2004 13:00	05/16/2004 15:35	2.58	10.69	131.75	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); WEST CENTER DRUM SAFETY LIFTED, REDUCED LOAD TO SEAT OFF SAFETY AND REPAIR.
0009	D4	05/27/2004 23:00	05/28/2004 16:27	17.45	58.28	4,851.10	1420	OTHER FORCED DRAFT FAN PROBLEMS; UNIT REDUCED TO REMOVE 7-A F.D. FAN FROM SERVICE TO REPLACE INBOARD MOTOR BEARING.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0010	D2	06/02/2004 11:30	06/02/2004 12:39	1.15	58.28	319.70	8551	ELECTROSTATIC PRECIPITATOR FIELD OUT OF SERVICE; REDUCED LOAD DUE TO PRECIPITATOR MALFUNCTION. BUSS ARCHED TRIPPED 9 TR SETS.
0011	NC	06/11/2004 13:30	06/11/2004 14:35	1.08	0.00	0.00	0310	PULVERIZER MILLS; 7-D PULVERIZER TRIPPED DUE TO HIGH THRUST RING TEMPERATURE.
0012	MO	06/14/2004 15:30	06/16/2004 05:41	38.18	100.00	18,213.45	1035	PLATEN SUPERHEATER TUBE LEAKS; REMOVED UNIT TO REPAIR LOW TEMP SUPERHEAT TUBE LEAK.
0013	D1	06/16/2004 12:38	06/17/2004 01:25	12.78	41.72	2,543.88	3642	CONDUCTORS AND BUSES; 7-D COOLING TOWER BUSS 600V SUPPLY BREAKER FAILED. REDUCED LOAD DUE TO LOSS OF FANS.
0014	NC	06/18/2004 11:05	06/18/2004 11:45	0.67	0.00	0.00	0335	PULVERIZER LUBE OIL SYSTEM; 7-D PULVERIZER TRIPPED DUE TO HIGH THRUST RING TEMP.
0015	MO	06/24/2004 20:57	06/26/2004 08:06	35.15	100.00	16,766.55	1035	PLATEN SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR BOILER TUBE LEAK
0016	MO	06/30/2004 15:15	07/02/2004 04:30	37.25	100.00	17,768.25	1010	CYCLONE FURNACE TUBE LEAKS(IN CYCLONE AREA ONLY); UNIT REMOVED FROM SERVICE DUE TO DIVISION WALL TUBE LEAK.
0017	D1	07/16/2004 09:05	07/16/2004 11:02	1.95	2.73	25.35	3111	CONDENSER TUBE FOULING SHELL SIDE; UNIT REDUCE LOAD DUE CONDENSER FOULING.
0018	D1	07/16/2004 11:02	07/16/2004 11:40	0.63	5.66	17.10	3111	CONDENSER TUBE FOULING SHELL SIDE; REDUCED LOAD DUE CONDENSER FOULING.
0019	D1	07/16/2004 11:40	07/16/2004 18:40	7.00	10.69	357.00	3111	CONDENSER TUBE FOULING SHELL SIDE; REDUCED LOAD DUE TO CONDENSER FOULING.
0020	MO	07/16/2004 21:46	07/18/2004 02:15	28.48	100.00	13,586.55	0775	ECONOMIZER PIPING; REMOVED UNIT FROM SERVICE TO REPAIR ECONOMIZER LOOP PIPING LEAK.
0021	U1	07/19/2004 02:51	07/19/2004 07:16	4.42	100.00	2,106.75	4313	STEAM TURBINE CONTROL SYSTEM - LOGIC PROBLEMS; UNIT TRIPPED DURING VALVE TESTING DUE TO CONTROL LOGIC PROBLEMS.
0022	D1	08/02/2004 16:00	08/02/2004 21:37	5.62	2.73	73.02	3112	CONDENSER TUBE FOULING TUBE SIDE; CONDENSER BACK PRESSURE DUE TO TUBE SHEETS FOULING.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0023	U1	08/02/2004 21:37	08/03/2004 04:16	6.65	100.00	3,172.05	3210	CIRCULATING WATER PUMPS; B CIRCULATOR STOPPED PUMPING AND WE LOSS CONDENSER VACUUM.
0024	D1	08/03/2004 04:16	08/04/2004 12:30	32.23	66.46	10,217.97	3210	CIRCULATING WATER PUMPS; B CIRCULATOR WATER PUMP SHAFT BROKE.
0025	D1	08/04/2004 12:30	08/11/2004 19:58	175.47	30.40	25,442.67	3210	CIRCULATING WATER PUMPS; BROKE SHAFT ON B CIRCULATOR
0026	MO	08/28/2004 22:25	08/29/2004 20:22	21.95	100.00	10,470.15	1035	PLATEN SUPERHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR TUBE LEAK.
0027	U1	09/16/2004 03:14	09/18/2004 07:35	52.35	100.00	24,970.95	9035	HURRICANE; OFF LINE DUE TO STORM (HURRICANE IVAN) SYSTEM DEMAND.LOSS OF TRANSMISSION
0028	MO	09/18/2004 07:35	09/26/2004 04:54	189.32	100.00	90,304.05	4609	OTHER EXCITER PROBLEMS; UNIT ON M.O. TO REMOVE PORTABLE EXCITER AND INSTALL PERMANAENT EXCITER.
0029	D4	10/08/2004 22:59	10/09/2004 10:48	11.82	0.63	35.45	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REMOVED 7B SIDE CONDENSER OF CLEANING.
0030	D4	10/09/2004 22:35	10/10/2004 10:25	11.83	0.63	35.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REMOVED 7B SIDE CONDENSER FOR CLEANING.
0031	D4	10/10/2004 22:30	10/11/2004 09:00	10.50	0.63	31.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REMOVED 7A SIDE CONDENSER FOR CLEANING.
0032	D1	10/11/2004 12:45	10/11/2004 13:45	1.00	0.63	3.00	0250	PULVERIZER FEEDERS; WET COAL FEEDER PLUGGED.
0033	NC	10/11/2004 18:10	10/11/2004 21:00	2.83	0.00	0.00	0250	PULVERIZER FEEDERS; 7-E FEEDER OUT OF SERVICE TO REPAIR FEEDER BELT.
0034	D2	10/11/2004 18:10	10/11/2004 21:32	3.37	11.95	191.90	9270	WET COAL (OMC); REDUCED LOAD DUE TO POOR FUEL QUALITY .
0035	D4	10/11/2004 22:25	10/12/2004 08:40	10.25	58.28	2,849.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REDUCED LOAD TO CLEAN 7-A SIDE CONDENSER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0036	D1	10/12/2004 09:40	10/12/2004 10:45	1.08	12.37	63.92	0250	PULVERIZER FEEDERS; REDUCED LOAD DUE 7-A FEEDER PLUGGAGE.
0037	D4	10/12/2004 22:45	10/13/2004 08:15	9.50	58.28	2,641.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); UNIT REDUCED LOAD TO CLEAN 7-A SIDE CONDENSER.
0038	D4	10/13/2004 21:00	10/14/2004 09:15	12.25	58.28	3,405.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); REDUCED LOAD TO CLEAN 7-B SIDE CONDENSER.
0039	D3	10/28/2004 08:30	10/28/2004 19:00	10.50	1.68	84.00	0310	PULVERIZER MILLS; F MILL PYRITE SWEEPER ARM BROKE AND TORE UP SOME OF THE MILL INTERNAL LINING.
0040	MO	11/01/2004 04:52	11/02/2004 06:40	25.80	100.00	12,306.60	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK DUE TO EROSION.
0041	D1	11/08/2004 13:41	11/08/2004 16:41	3.00	10.69	153.00	0264	OTHER PRIMARY AIR FAN PROBLEMS; BROKEN PRIMARY AIR FAN SENSING LINE.
0042	NC	12/19/2004 05:55	12/19/2004 06:30	0.58	0.00	0.00	0250	PULVERIZER FEEDERS; `D` FEEDER HAD A ROCK ON BELT.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 1								
0001	RS	01/01/2004 00:00	01/05/2004 01:11	97.18	0.00	0.00	0000	RESERVE SHUTDOWN
0006	D4	01/10/2004 22:00	01/11/2004 01:17	3.28	23.91	36.12	0340	OTHER PULVERIZER PROBLEMS; CHANGE OUT WORN PULVERIZER GRINDING BALLS
0003	D1	01/11/2004 05:30	01/11/2004 06:30	1.00	23.91	11.00	0340	OTHER PULVERIZER PROBLEMS; ADJUST NORTH-EAST HOLD DOWN BOLT AND SPRING TO CORRECT TENSION.
0004	RS	01/24/2004 11:58	01/25/2004 23:04	35.10	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR RESERVE SHUTDOWN - EVENT CODE 0000
0005	D1	02/27/2004 05:35	02/27/2004 07:09	1.57	23.91	17.23	0340	OTHER PULVERIZER PROBLEMS; FOUND HOLD DOWN BOLT WORN OUT - REPLACED HOLD DOWN BOLT
0008	D1	07/19/2004 08:00	07/19/2004 14:50	6.83	13.04	41.00	3642	CONDUCTORS AND BUSES; REPLACING CONDUCTORS ON 1-B CIRCULATING WATER PUMP MOTOR.
0009	RS	08/06/2004 21:32	08/09/2004 20:55	71.38	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	08/12/2004 23:46	08/16/2004 01:46	74.00	0.00	0.00	0000	RESERVE SHUTDOWN
0011	D1	09/15/2004 21:18	09/15/2004 21:47	0.48	97.83	21.75	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); FAULT ON TRANSMISSION LINE DURING HURRICANE IVAN
0012	D1	11/07/2004 06:00	11/07/2004 07:20	1.33	23.91	14.67	0250	PULVERIZER FEEDERS; FEEDER BAFFLE PLATE CAME LOOSE INSIDE OF FEEDER HOUSING.
0013	RS	11/18/2004 21:32	11/27/2004 00:01	194.48	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0014	PO	11/27/2004 00:01	12/19/2004 21:27	549.43	100.00	25,273.93	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION
0015	RS	12/19/2004 21:27	01/01/2005 00:00	290.55	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2004 00:00	01/04/2004 18:25	90.42	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	02/24/2004 05:00	02/24/2004 14:55	9.92	28.26	128.92	0344	PULVERIZER INSPECTION; CLASSIFIER IN 2B PULVERIZER STARTED BREAKING UP.
0003	MO	03/01/2004 23:45	03/04/2004 20:11	68.43	100.00	3,147.93	3440	HIGH PRESSURE HEATER TUBE LEAKS; TUBE LEAKS IN #1 AND #4 HEATERS.
0004	U1	04/07/2004 04:35	04/07/2004 17:15	12.67	100.00	582.67	1407	FORCED DRAFT FAN LUBRICATION SYSTEMS; #2 FD FAN - OIL COOLER FOR HYDRAULIC COUPLING - TUBE LEAK
0005	MO	04/27/2004 22:12	04/28/2004 21:59	23.78	100.00	1,094.03	3420	FEEDWATER PIPING AND SUPPORTS; #4 HIGH PRESSURE HEATER INLET FEEDWATER FLANGE GASKET.
0006	D1	05/30/2004 10:00	05/30/2004 14:08	4.13	23.91	45.47	0340	OTHER PULVERIZER PROBLEMS; REPAIR 2-A CLASSIFIER
0007	RS	08/06/2004 20:41	08/15/2004 18:24	213.72	0.00	0.00	0000	RESERVE SHUTDOWN
0008	D1	08/19/2004 13:13	08/19/2004 13:51	0.63	28.26	8.23	0320	FOREIGN OBJECT IN PULVERIZER MILL; HIGH AMPS ON PULVERIZERS, CAUSING FEEDERS TO SHUT OFF.
0009	D1	09/12/2004 13:33	09/12/2004 14:15	0.70	54.35	17.50	0250	PULVERIZER FEEDERS; 2-C FEEDER PLUGGED AND 2-B FEEDER PLUGGED AND SHEARED PIN.
0010	MO	10/08/2004 19:49	10/11/2004 02:37	54.80	100.00	2,520.80	1000	WATERWALL (FURNACE WALL); BOILER TUBE LEAK.
0011	RS	11/19/2004 12:20	12/18/2004 00:00	683.67	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0012	MO	12/18/2004 00:00	12/21/2004 22:35	94.58	100.00	4,350.83	1455	INDUCED DRAFT FANS; REPLACE WEAR PLATES ON FAN BLADES.
0013	RS	12/21/2004 22:35	01/01/2005 00:00	241.42	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	01/13/2004 11:20	01/13/2004 13:15	1.92	87.65	272.17	4279	MISCELLANEOUS TURBINE PIPING; LOW PRESSURE TURBINE SAMPLE LINE BROKE.
0002	D1	02/05/2004 12:20	02/05/2004 12:40	0.33	22.84	12.33	3261	TRAVELING SCREEN FOULING; INTAKE SCREENS PLUGGED, DUE TO TUG BOAT IN CANAL.
0003	D1	02/05/2004 21:11	02/05/2004 21:15	0.07	75.93	8.20	3644	CONTRIBUTED TO PRIMARY CAUSE; CIRCULATING WATER PUMPS; HAD TO CUT LOAD TO TRIP 2-B CIRCULATOR TO CLEAN TRASH OUT.
0004	D1	02/11/2004 09:29	02/11/2004 10:00	0.52	19.14	16.02	1799	PROTECTION DEVICES; CONTROL RELAY SHORTED OUT.
0005	NC	02/14/2004 10:50	02/14/2004 16:07	5.28	0.00	0.00	3689	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; LOST BOILER MASTER CONTROLS
0006	D1	02/15/2004 18:37	02/16/2004 14:12	19.58	1.23	39.17	9270	OTHER VOLTAGE - PROBLEMS; WENT TO MANUAL ON VOLTAGE REGULATOR TO FIND D.C. GROUND.
0007	D1	02/18/2004 12:31	02/18/2004 12:34	0.05	9.88	0.80	9270	WET COAL (OMC); WET COAL CAUSING LOAD SWING.
0008	PO	04/07/2004 23:47	04/11/2004 21:44	93.95	100.00	15,219.90	1801	CONTRIBUTED TO PRIMARY CAUSE; OTHER PULVERIZER PROBLEMS; PULVERIZERS TRIPPING ON HIGH AMPS.
0009	NC	04/13/2004 07:55	04/13/2004 08:30	0.58	0.00	0.00	0253	WET COAL (OMC); COAL PLUGGAGE IN 1-C FEEDER.
0010	D1	05/24/2004 06:30	05/24/2004 08:10	1.67	29.01	78.33	0310	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS); SPRING MAINT. OUTAGE
0011	NC	06/06/2004 07:00	06/06/2004 09:13	2.22	0.00	0.00	0340	PULVERIZER FEEDER MOTOR; TEST MILL AMP TRIPS ON 2 A, B, C, D AND E.
0012	D1	06/06/2004 09:30	06/06/2004 11:15	1.75	19.75	56.00	0340	PULVERIZER MILLS; MILL ROLLS OUT OF ADJUSTMENT AND HITTING BULL RING.
0013	NC	08/19/2004 23:22	08/20/2004 05:15	5.88	0.00	0.00	0250	OTHER PULVERIZER PROBLEMS; REPLACE 1-A MILL ROLL SPRING ASSEMBLY.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D4	08/25/2004 00:05	08/25/2004 04:10	4.08	25.93	171.50	0250	PULVERIZER FEEDERS; CHANGE CLEAN OUT CHAIN BEARINGS
0015	D1	08/25/2004 04:20	08/25/2004 05:25	1.08	25.93	45.50	0250	PULVERIZER FEEDERS; 1B FEEDER BELT OFF TRIPPED FEEDER
0016	U1	09/26/2004 01:47	09/26/2004 03:59	2.20	100.00	356.40	9900	OPERATOR ERROR; DROPPED TEST HANDLE DURING TESTING, CAUSING TURBINE TRIP.
0017	D1	10/16/2004 06:50	10/16/2004 07:40	0.83	44.44	60.00	0250	PULVERIZER FEEDERS; 1C FEEDER BELT PROBLEM AND WET COAL
0018	D1	10/16/2004 10:45	10/16/2004 10:58	0.22	12.35	4.33	0250	PULVERIZER FEEDERS; FEEDER PLUGGAGE
0019	D1	10/16/2004 13:20	10/16/2004 13:32	0.20	6.17	2.00	0250	PULVERIZER FEEDERS; FEEDER PLUGGAGE
0020	NC	10/17/2004 01:00	10/17/2004 07:30	6.50	0.00	0.00	0250	PULVERIZER FEEDERS; 1C FEEDER - CHANGE BELT AND CALIBRATE FEEDER
0021	NC	10/17/2004 09:30	10/17/2004 10:30	1.00	0.00	0.00	0310	PULVERIZER MILLS; 1C MILL - ADJUST MILL ROLLS
0022	PO	11/05/2004 22:45	11/20/2004 15:51	353.10	100.00	57,202.20	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); FALL 2004 PLANNED BOILER OUTAGE
0023	D1	12/13/2004 23:45	12/14/2004 15:29	15.73	59.88	1,526.13	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK ON TOP NORTH QUADRANT SECOND ROW FROM BOTTOM MIDDLE
0024	D1	12/26/2004 19:37	12/26/2004 19:44	0.12	96.91	18.32	1710	COMBUSTION / STEAM CONDITION CONTROLS; DCS RECEIVED SIGNAL THAT GOVERNOR VALVES WERE CLOSED AND TRIPPED PMX, TRIPPING FUEL
0025	D1	12/29/2004 08:04	12/29/2004 08:11	0.12	96.91	18.32	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROLS INDICATED VALVES CLOSED AND TRIPPED PMX (FUEL).
0026	D2	12/31/2004 07:14	12/31/2004 09:41	2.45	38.27	151.90	3659	OTHER DC POWER PROBLEMS; D.C. SWITCH IN 1-A PULVERIZER BREAKER CUBICAL BROKEN, ENTIRE SWITCH HAD TO BE CHANGED.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	NC	01/19/2004 13:25	01/19/2004 15:00	1.58	0.00	0.00	0250	PULVERIZER FEEDERS; LED SCREEN ON 2-C FEEDER BLANK.
0002	NC	01/20/2004 12:30	01/20/2004 15:00	2.50	0.00	0.00	0310	PULVERIZER MILLS; OPEN AND INSPECT 2-C MILL.
0003	NC	01/21/2004 04:24	01/21/2004 05:00	0.60	0.00	0.00	0250	PULVERIZER FEEDERS; 2-E FEEDER TRIPPED AND WOULD NOT RESTART.
0004	D1	01/29/2004 18:00	01/29/2004 22:44	4.73	4.76	42.60	1140	FIRST SUPERHEATER SLAGGING & FOULING; BURNING WEST ELK COAL, CAUSING FURNACE TO GO POSITIVE AND SUPERHEATERS TO PLUG.
0005	D1	02/05/2004 12:20	02/05/2004 12:40	0.33	27.51	17.33	3261	TRAVELING SCREEN FOULING; TRAVELING SCREENS PLUGGED DUE TO TUG BOAT IN CANEL.
0006	NC	02/06/2004 14:30	02/06/2004 16:40	2.17	0.00	0.00	0250	CONTRIBUTED TO PRIMARY CAUSE; CIRCULATING WATER PUMPS; HAD TO SHUT DOWN 2-B CIRCULATOR DUE TO PLUGGAGE.
0007	D1	02/09/2004 19:10	02/09/2004 22:00	2.83	7.94	42.50	1190	PULVERIZER FEEDERS; BELT SCRAPER BLADE ON 2-C BROKE AND WEDGED BETWEEN BELT AND CLEAN-OUT CHAIN.
0008	U2	02/13/2004 00:10	02/14/2004 14:12	38.03	100.00	7,188.30	1040	OTHER TUBES SLAGGING & FOULING; ALL SUPERHEATERS AND REHEATERS PLUGGING.
0009	NC	02/15/2004 18:00	02/16/2004 07:00	13.00	0.00	0.00	9270	CONTRIBUTED TO PRIMARY CAUSE; OTHER INDUCED DRAFT FAN PROBLEMS; COULD NOT MAINTAIN CORRECT FURNACE PRESSURE OR ADEQUATE EXCESS O2.
0010	D4	02/16/2004 07:00	02/16/2004 11:00	4.00	15.34	116.00	0340	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK IN HORIZONTAL SUPERHEATER.
0011	NC	02/18/2004 13:15	02/18/2004 13:20	0.08	0.00	0.00	9270	WET COAL (OMC);
0012	NC	02/19/2004 10:46	02/19/2004 11:00	0.23	0.00	0.00	9270	CONTRIBUTED TO PRIMARY CAUSE; FOREIGN OBJECT IN PULVERIZER MILL; TRASH IN 2-D MILL.
								OTHER PULVERIZER PROBLEMS; ADJUST MILL ROLLS ON 2-D, AND CLEAN.
								WET COAL (OMC); COAL PLUGGAGE IN 2-C FEEDER.
								WET COAL (OMC); COAL PLUGGAGE IN 2-C FEEDER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	NC	02/23/2004 14:46	02/23/2004 17:15	2.48	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECT 2-E MILL.
0014	D4	02/24/2004 10:00	02/24/2004 17:00	7.00	15.34	203.00	0310	PULVERIZER MILLS; CHANGE MILL ROLL ASSEMBLY AND BUTTON ON 2-E MILL.
0015	D1	02/27/2004 07:23	02/29/2004 09:35	50.20	3.70	351.40	9270	WET COAL (OMC); WET COAL AND LOW MILL TEMPERATURE
0016	NC	03/02/2004 08:08	03/02/2004 09:30	1.37	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; 2-B WEST MILL ROLL NOT BOUNCING.
0017	U1	03/07/2004 11:23	03/08/2004 11:50	24.45	100.00	4,621.05	1080	ECONOMIZER TUBE LEAKS; TUBE LEAK EAST WALL, IN BACKPASS.
0018	NC	03/17/2004 06:45	03/17/2004 16:00	9.25	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECT 2-A MILL.
							0250	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER FEEDERS; REPLACE 2-A FEEDER CARD.
0019	NC	03/18/2004 07:00	03/18/2004 16:00	9.00	0.00	0.00	0310	PULVERIZER MILLS; INSPECT 2-B MILL.
0020	NC	03/19/2004 06:45	03/19/2004 16:15	9.50	0.00	0.00	0310	PULVERIZER MILLS; INSPECT 2-C MILL.
0021	NC	03/23/2004 10:25	03/23/2004 11:30	1.08	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACE 2-E FEEDER CARD.
0022	NC	03/27/2004 08:17	03/27/2004 09:40	1.38	0.00	0.00	0250	PULVERIZER FEEDERS; REPAIR 2-C FEEDER TRACKING ARM. (LIMIT SWITCH)
0023	NC	03/28/2004 05:37	03/28/2004 13:18	7.68	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACE BROKEN FEEDER BELT ON 2-C.
0024	D1	03/28/2004 06:46	03/28/2004 10:05	3.32	25.93	162.52	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE FOREIGN OBJECT FROM 2-D MILL.
0025	PO	04/02/2004 23:03	04/17/2004 04:43	340.67	100.00	64,386.00	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); SPRING OUTAGE.
0026	NC	04/30/2004 11:18	04/30/2004 14:00	2.70	0.00	0.00	0250	PULVERIZER FEEDERS; 2-C FEEDER MECHANICAL SPLICE. SPLICING ROD COMING OUT
0027	NC	05/12/2004 12:30	05/12/2004 13:30	1.00	0.00	0.00	0250	PULVERIZER FEEDERS; 2-C FEEDER LOAD CELL, BAD
0028	NC	05/13/2004 06:55	05/13/2004 07:45	0.83	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); COAL PIPING LEAK ON 2-D PIPING

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0029	NC	05/13/2004 13:30	05/13/2004 15:00	1.50	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); COAL LEAK ON 2-C PIPING TO BOILER.
0030	NC	05/21/2004 07:40	05/21/2004 11:30	3.83	0.00	0.00	0310	PULVERIZER MILLS; DUE TO VIBRATION, TOOK OUT 2-C MILL TO INSPECT FOR FOREIGN OBJECT.
0031	NC	05/22/2004 08:00	05/22/2004 11:00	3.00	0.00	0.00	0310	PULVERIZER MILLS; HAD PROBLEM WITH 4160V BREAKER.
0032	NC	05/25/2004 08:03	05/25/2004 09:50	1.78	0.00	0.00	0310	PULVERIZER MILLS; ADJUST 2-E MILL ROLLS.
0033	MO	05/28/2004 19:26	05/30/2004 02:42	31.27	100.00	5,909.40	1060	FIRST REHEATER TUBE LEAKS; REHEATER TUBE LEAK.
0034	NC	06/04/2004 00:01	06/04/2004 01:47	1.77	0.00	0.00	3414	FEEDWATER PUMP LOCAL CONTROLS; 2B BFP CONTROL PROBLEM - BLOWN FUSE
0035	NC	06/16/2004 10:45	06/16/2004 13:10	2.42	0.00	0.00	0250	PULVERIZER FEEDERS; 2-A FEEDER - REPLACED LOAD CELL CHIP IN FEEDER CONTROL SYSTEM
0036	D1	07/13/2004 09:08	07/13/2004 09:18	0.17	96.30	30.33	1415	FORCED DRAFT FAN CONTROLS; LOSS OF F.D. FAN CONTROLS.
0037	NC	07/13/2004 09:18	07/13/2004 09:45	0.45	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; FAULTY TRIP CIRCUIT.
0038	NC	07/21/2004 10:25	07/21/2004 12:25	2.00	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE TRAMP IRON FROM 2-D MILL.
0039	NC	07/30/2004 07:20	07/30/2004 11:30	4.17	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTION OF 2-D MILL FOR FOREIGN OBJECTS.
0040	NC	08/27/2004 03:50	08/27/2004 04:00	0.17	0.00	0.00	0250	PULVERIZER FEEDERS; 2E FEEDER PLUGGED
0041	NC	08/27/2004 05:00	08/27/2004 09:00	4.00	0.00	0.00	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; STEAM LEAK ON #5 HP HEATER SHELL DRAIN
0042	D1	08/27/2004 10:32	08/27/2004 11:50	1.30	91.01	223.60	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; STEAM LEAK FROM #5 FEEDWATER HEATER NORMAL VENT VALVE
0043	D1	09/26/2004 02:00	09/26/2004 03:15	1.25	97.88	231.25	3644	PROTECTION DEVICES; UPS (UNINTERRUPTED POWER SUPPLY) FAILED WHEN OTHER UNIT TRIPPED OFF LINE.
0044	D1	10/11/2004 19:15	10/11/2004 23:25	4.17	3.70	29.17	1170	SECOND REHEATER SLAGGING & FOULING; FURNACE SALGGING CAUSING AIR FLOW RESTRICTION

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0045	D1	10/19/2004 18:25	10/19/2004 23:40	5.25	6.88	68.25	1170	SECOND REHEATER SLAGGING & FOULING; FURNACE PLUGGING - CANNOT MAINTAIN SUFFICIENT COMBUSTION AIR
0046	D1	10/19/2004 20:04	10/19/2004 23:40	3.60	14.81	54.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; #1 BEARING VIBRATION EXCEEDING LIMIT
0047	U2	11/04/2004 09:33	11/05/2004 14:37	29.07	100.00	5,493.60	1050	SECOND SUPERHEATER TUBE LEAKS; SUPERHEATER SUPPLY TUBE LEAK FROM FLYASH EROSION
0048	D1	11/28/2004 08:38	11/28/2004 08:54	0.27	92.59	46.67	9900	OPERATOR ERROR; LOST "B" BUS ON 4160 WHILE SWAPPING STATION SERVICE.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/01/2004 00:00	01/05/2004 22:22	118.37	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	01/05/2004 19:00	01/07/2004 05:30	34.50	49.72	7,647.20	4609	OTHER EXCITER PROBLEMS; LCI DISCONNECT SWITCH (89 SS) FAILED TO CLOSE.
0003	MO	01/06/2004 23:58	01/07/2004 06:37	6.65	100.00	3,531.15	4211	DIAPHRAGMS - LP TURBINE; LP DIAPHRAM RUPTURED
0004	RS	01/13/2004 19:48	01/14/2004 00:38	4.83	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	01/18/2004 02:16	01/18/2004 13:44	11.47	0.00	0.00	0000	RESERVE SHUTDOWN
0006	RS	01/24/2004 09:33	01/26/2004 00:12	38.65	0.00	0.00	0000	RESERVE SHUTDOWN
0007	D1	01/28/2004 01:53	01/28/2004 02:11	0.30	39.74	63.30	9900	OPERATOR ERROR; OPERATOR TURNED DC POWER OFF TO GENERATOR CONTROLS AND TRIPPED UNIT.
0008	RS	01/31/2004 22:16	02/01/2004 01:43	3.45	0.00	0.00	0000	RESERVE SHUTDOWN;
0009	RS	02/05/2004 20:56	02/07/2004 00:18	27.37	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0010	D1	02/09/2004 15:23	02/09/2004 15:49	0.43	49.72	114.40	9920	CONTRACTOR ERROR; "A" GAS TURBINE TRIPPED DUE TO FUEL (GAS) PRESSURE SWING.
0013	D3	02/13/2004 10:35	02/14/2004 05:10	18.58	55.74	5,500.67	6000	HRSG TO GAS TURBINE CONNECTING EQUIPMENT; MAIN STEAM SAFETY VALVE LIFTING
0011	D1	02/18/2004 17:30	02/19/2004 09:30	16.00	7.53	640.00	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; "A" G.T. INLET BLEED VALVE FAILED OPEN.
0015	D1	02/19/2004 19:04	02/19/2004 20:34	1.50	7.53	60.00	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; "A" G.T. INLET BLEED VALVE FAILED OPEN.
0012	RS	02/20/2004 10:40	02/21/2004 01:08	14.47	0.00	0.00	0000	RESERVE SHUTDOWN
0016	D1	02/21/2004 05:20	02/21/2004 07:37	2.28	49.72	602.80	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; "A" G.T. INLET BLEED HEAT MANUAL VALVE OPEN LIMIT SWITCH NOT MAKING UP.
0017	RS	02/21/2004 13:07	02/23/2004 00:11	35.07	0.00	0.00	0000	RESERVE SHUTDOWN
0018	D2	03/01/2004 21:38	03/02/2004 12:44	15.10	49.72	3,986.40	5001	INLET AIR VANES/NOZZLES; REPLACE LEAKING "B" GAS TURBINE IGV ACTUATOR
0019	RS	03/03/2004 00:39	03/06/2004 01:59	73.33	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN
0020	RS	03/06/2004 22:02	03/07/2004 03:18	5.27	0.00	0.00	0000	RESERVE SHUTDOWN
0021	D1	03/07/2004 04:45	03/07/2004 04:51	0.10	39.74	21.10	3499	OTHER FEEDWATER SYSTEM PROBLEMS; HIGH H.P. DRUM LEVEL TRIPPED STEAM TURBOINE

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0022	D1	03/15/2004 06:51	03/17/2004 06:31	47.67	49.72	12,584.00	6299	OTHER COMBINED CYCLE PROBLEMS; "B" HOT REHEAT BLOCKING VALVE FAILED CLOSED DUE TO DAMAGED GEARBOX.
0023	PO	03/19/2004 23:04	04/04/2004 00:09	361.08	100.00	188,127.75	5274	GENERAL UNIT INSPECTION; PLANNED SPRING OUTAGE
0025	PD	04/04/2004 00:09	04/05/2004 08:45	31.60	44.49	6,762.40	5274	GENERAL UNIT INSPECTION; "A" G.T. NOT RELEASED FROM PLANNED OUTAGE
0024	D1	04/05/2004 08:45	04/05/2004 18:11	9.43	24.95	1,132.00	5041	FUEL PIPING AND VALVES; "A" G.T. PM2 BROKEN FUEL LINE
0026	D1	04/06/2004 05:46	04/06/2004 15:43	9.95	44.49	2,129.30	6299	OTHER COMBINED CYCLE PROBLEMS; "A" H.P. DRUM DOOR GASKETS LEAKING
0027	RS	04/17/2004 22:32	04/18/2004 04:13	5.68	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0028	NC	04/24/2004 10:50	04/24/2004 12:00	1.17	0.00	0.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); B2 BOILER FEED PUMP MINIMUM FLOW SENSING LINE BROKE.
0029	RS	04/28/2004 23:07	04/29/2004 03:38	4.52	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0030	D1	04/29/2004 05:01	04/29/2004 12:00	6.98	44.49	1,494.43	6299	OTHER COMBINED CYCLE PROBLEMS; "A" HRSG HP DRUM DOOR GASKET LEAKING
0031	D1	04/29/2004 12:01	04/29/2004 13:04	1.05	44.49	224.70	4602	EXCITER COMMUTATOR AND BRUSHES; "A" G.T. GENERATOR FIELD GROUND TRIP (LOOSE BRUSHES)
0032	RS	04/30/2004 00:04	04/30/2004 05:30	5.43	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0033	D1	04/30/2004 09:00	04/30/2004 19:50	10.83	44.49	2,318.33	6299	OTHER COMBINED CYCLE PROBLEMS; "A" HRSG HP DRUM DOOR GASKET LEAK
0034	RS	04/30/2004 23:51	05/06/2004 02:09	122.30	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0035	RS	05/08/2004 21:30	05/09/2004 04:15	6.75	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0036	NC	05/14/2004 11:48	05/14/2004 13:00	1.20	0.00	0.00	3409	FEEDWATER PUMP DRIVE MOTOR - VARIABLE SPEED; B-2 BOILER FEED PUMP POWER SUPPLY TRIPPED
0037	RS	05/15/2004 00:40	05/16/2004 23:02	46.37	0.00	0.00	0000	RESERVE SHUTDOWN
0038	D1	05/16/2004 23:03	05/17/2004 00:21	1.30	44.49	278.20	5299	OTHER GAS TURBINE PROBLEMS; "B" G.T. #2 BEARING AREA COOLING FAN TRIPPED
0039	RS	05/22/2004 23:14	05/23/2004 04:24	5.17	0.00	0.00	0000	RESERVE SHUTDOWN
0040	RS	05/24/2004 23:23	05/25/2004 05:12	5.82	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0041	RS	05/26/2004 23:12	05/27/2004 03:50	4.63	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0042	RS	05/28/2004 22:55	05/29/2004 04:56	6.02	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0044	RS	05/31/2004 02:03	06/01/2004 03:52	25.82	0.00	0.00	0000	RESERVE SHUTDOWN
0043	D1	06/01/2004 09:00	06/01/2004 09:16	0.27	33.47	42.93	0802	IP DRUM (INCLUDING DRUM LEVEL TRIPS NOT ATTRIBUTABLE TO OTHER CAUSES); "A" HRSG I.P. DRUM LEVEL HIGH CAUSED STEAM TURBINE TRIP
0045	RS	06/02/2004 16:41	06/07/2004 02:08	105.45	0.00	0.00	0000	RESERVE SHUTDOWN
0046	D1	06/07/2004 09:50	06/07/2004 10:17	0.45	44.49	96.30	5048	GAS FUEL SYSTEM; TURBINE TRIP DUE TO HIGH FUEL GAS PRESSURE
0047	RS	06/08/2004 22:09	06/09/2004 04:34	6.42	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN
0048	RS	06/11/2004 00:19	06/11/2004 04:23	4.07	0.00	0.00	0000	RESERVE SHUTDOWN
0049	RS	06/12/2004 22:23	06/13/2004 04:13	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0050	RS	06/14/2004 23:28	06/15/2004 03:23	3.92	0.00	0.00	0000	RESERVE SHUTDOWN
0051	RS	06/16/2004 22:37	06/17/2004 05:11	6.57	0.00	0.00	0000	RESERVE SHUTDOWN
0052	RS	06/18/2004 20:25	06/19/2004 03:52	7.45	0.00	0.00	0000	RESERVE SHUTDOWN
0053	RS	06/20/2004 19:25	06/21/2004 03:22	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0054	RS	06/22/2004 23:52	06/23/2004 04:41	4.82	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN
0055	RS	06/24/2004 22:48	06/25/2004 04:48	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0056	RS	06/26/2004 23:26	06/27/2004 04:39	5.22	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	06/28/2004 23:05	06/29/2004 06:07	7.03	0.00	0.00	0000	RESERVE SHUTDOWN
0058	RS	07/01/2004 00:03	07/01/2004 06:37	6.57	0.00	0.00	0000	RESERVE SHUTDOWN
0061	RS	07/02/2004 22:19	07/03/2004 06:38	8.32	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN
0059	D1	07/03/2004 08:00	07/06/2004 13:00	77.00	33.47	12,397.00	4730	GENERATOR CURRENT AND POTENTIAL TRANSFORMERS; CONDENSATE IN ISOPHASE BUS CAUSED TRANSFORMER PROBLEM.
0060	RS	07/03/2004 10:16	07/06/2004 11:00	72.73	0.00	0.00	0000	RESERVE SHUTDOWN
0062	RS	07/07/2004 22:28	07/08/2004 04:12	5.73	0.00	0.00	0000	RESERVE SHUTDOWN
0063	RS	07/09/2004 23:13	07/10/2004 05:25	6.20	0.00	0.00	0000	RESERVE SHUTDOWN
0064	RS	07/11/2004 22:54	07/12/2004 04:51	5.95	0.00	0.00	0000	RESERVE SHUTDOWN
0065	RS	07/14/2004 22:33	07/15/2004 04:32	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0066	RS	07/16/2004 23:05	07/17/2004 05:22	6.28	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0067	RS	07/20/2004 22:07	07/21/2004 04:29	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0068	RS	07/23/2004 00:05	07/23/2004 04:00	3.92	0.00	0.00	0000	RESERVE SHUTDOWN
0069	RS	07/24/2004 22:32	07/25/2004 04:09	5.62	0.00	0.00	0000	RESERVE SHUTDOWN
0070	RS	07/26/2004 21:52	07/27/2004 04:25	6.55	0.00	0.00	0000	RESERVE SHUTDOWN
0071	RS	07/29/2004 00:02	07/29/2004 05:37	5.58	0.00	0.00	0000	RESERVE SHUTDOWN
0072	RS	07/31/2004 00:08	07/31/2004 05:57	5.82	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN
0073	RS	08/01/2004 23:19	08/02/2004 05:34	6.25	0.00	0.00	0000	RESERVE SHUTDOWN
0074	RS	08/04/2004 23:24	08/05/2004 04:31	5.12	0.00	0.00	0000	RESERVE SHUTDOWN
0077	NC	08/05/2004 13:00	08/06/2004 16:00	27.00	0.00	0.00	5190	OTHER AUXILIARY SYSTEM PROBLEMS; POWER AUGMENTATION - GE CONTROL VALVE ON "B" GAS TURBINE BINDING IN CLOSED POSITION.
0075	RS	08/06/2004 22:31	08/07/2004 06:50	8.32	0.00	0.00	0000	RESERVE SHUTDOWN
0076	RS	08/08/2004 23:18	08/09/2004 05:35	6.28	0.00	0.00	0000	RESERVE SHUTDOWN
0078	U1	08/09/2004 13:03	08/09/2004 13:51	0.80	100.00	384.80	9020	LIGHTNING; UNIT TRIP DUE TO ELECTRICAL SURGE DURING LIGHTNING STORM.
0079	RS	08/10/2004 22:21	08/11/2004 05:39	7.30	0.00	0.00	0000	RESERVE SHUTDOWN
0080	U1	08/11/2004 14:18	08/11/2004 15:32	1.23	100.00	593.23	6299	OTHER COMBINED CYCLE PROBLEMS; UNIT TRIP DUE TO 4KV BUS TRIP. CAUSE UNKNOWN AT THIS TIME
0081	RS	08/12/2004 23:04	08/13/2004 07:57	8.88	0.00	0.00	0000	RESERVE SHUTDOWN
0082	RS	08/13/2004 20:34	08/15/2004 04:34	32.00	0.00	0.00	0000	RESERVE SHUTDOWN
0083	RS	08/17/2004 00:34	08/17/2004 04:50	4.27	0.00	0.00	0000	RESERVE SHUTDOWN
0084	RS	08/18/2004 00:17	08/18/2004 06:52	6.58	0.00	0.00	0000	RESERVE SHUTDOWN
0085	RS	08/18/2004 23:58	08/19/2004 06:35	6.62	0.00	0.00	0000	RESERVE SHUTDOWN
0086	RS	08/20/2004 00:19	08/20/2004 05:41	5.37	0.00	0.00	0000	RESERVE SHUTDOWN
0087	RS	08/21/2004 00:30	08/21/2004 05:48	5.30	0.00	0.00	0000	RESERVE SHUTDOWN
0088	RS	08/21/2004 23:20	08/22/2004 06:53	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0089	RS	08/23/2004 00:01	08/23/2004 05:39	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0090	RS	08/24/2004 00:47	08/24/2004 05:33	4.77	0.00	0.00	0000	RESERVE SHUTDOWN
0091	RS	08/25/2004 00:13	08/25/2004 05:05	4.87	0.00	0.00	0000	RESERVE SHUTDOWN
0092	RS	08/25/2004 23:37	08/26/2004 05:46	6.15	0.00	0.00	0000	RESERVE SHUTDOWN
0093	RS	08/27/2004 00:45	08/27/2004 06:37	5.87	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0094	RS	08/28/2004 00:48	08/28/2004 06:37	5.82	0.00	0.00	0000	RESERVE SHUTDOWN
0095	RS	08/28/2004 21:34	08/29/2004 07:38	10.07	0.00	0.00	0000	RESERVE SHUTDOWN
0096	RS	08/29/2004 23:07	08/30/2004 06:49	7.70	0.00	0.00	0000	RESERVE SHUTDOWN
0097	RS	08/30/2004 21:40	08/31/2004 03:52	6.20	0.00	0.00	0000	RESERVE SHUTDOWN
0098	RS	08/31/2004 20:57	09/01/2004 04:16	7.32	0.00	0.00	0000	RESERVE SHUTDOWN
0099	RS	09/14/2004 10:40	09/22/2004 02:22	183.70	0.00	0.00	0000	RESERVE SHUTDOWN
0100	RS	09/24/2004 23:11	09/25/2004 06:08	6.95	0.00	0.00	0000	RESERVE SHUTDOWN
0101	RS	09/25/2004 22:36	09/26/2004 06:09	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0102	RS	09/26/2004 23:51	09/27/2004 05:12	5.35	0.00	0.00	0000	RESERVE SHUTDOWN
0103	RS	09/27/2004 23:18	09/28/2004 04:12	4.90	0.00	0.00	0000	RESERVE SHUTDOWN
0104	RS	09/28/2004 22:37	09/29/2004 04:17	5.67	0.00	0.00	0000	RESERVE SHUTDOWN
0105	RS	09/29/2004 22:05	09/30/2004 05:09	7.07	0.00	0.00	0000	RESERVE SHUTDOWN
0106	D1	09/30/2004 06:58	09/30/2004 07:49	0.85	33.06	135.15	5048	GAS FUEL SYSTEM; "B" GAS TURBINE TRIP DUE TO FLAME OUT ON #14 COMBUSTION CAN.
0107	D1	09/30/2004 08:24	10/01/2004 07:05	22.68	33.06	3,606.65	5048	GAS FUEL SYSTEM; "B" GAS TURBINE TRIP DUE TO FLAME OUT ON #14 COMBUSTION CAN.
0108	RS	09/30/2004 20:55	10/01/2004 04:22	7.45	0.00	0.00	0000	RESERVE SHUTDOWN
0109	RS	10/01/2004 20:28	10/02/2004 04:16	7.80	0.00	0.00	0000	RESERVE SHUTDOWN
0110	RS	10/02/2004 23:53	10/03/2004 06:22	6.48	0.00	0.00	0000	RESERVE SHUTDOWN
0111	RS	10/03/2004 23:31	10/04/2004 05:05	5.57	0.00	0.00	0000	RESERVE SHUTDOWN
0112	RS	10/04/2004 23:28	10/05/2004 05:05	5.62	0.00	0.00	0000	RESERVE SHUTDOWN
0113	RS	10/05/2004 23:18	10/06/2004 04:14	4.93	0.00	0.00	0000	RESERVE SHUTDOWN
0114	RS	10/06/2004 23:00	10/07/2004 05:00	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0115	RS	10/07/2004 22:16	10/08/2004 04:14	5.97	0.00	0.00	0000	RESERVE SHUTDOWN
0116	RS	10/08/2004 22:25	10/09/2004 05:10	6.75	0.00	0.00	0000	RESERVE SHUTDOWN
0117	D1	10/09/2004 07:13	10/09/2004 08:07	0.90	33.06	143.10	5245	GAS TURBINE CONTROL SYSTEM - DATA HIGHWAY; "B" G.T. MARK V SOFTWARE PROBLEMS. HAD TO RELOAD SOFTWARE.
0118	D1	10/09/2004 08:19	10/09/2004 09:18	0.98	33.06	156.35	5245	GAS TURBINE CONTROL SYSTEM - DATA HIGHWAY; "B" G.T. MARK V SOFTWARE PROBLEMS. HAD TO RELOAD SOFTWARE.
0119	RS	10/09/2004 16:28	10/10/2004 02:15	9.78	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0120	U1	10/10/2004 02:15	10/10/2004 13:30	11.25	100.00	5,411.25	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); RESERVE STATION SERVICE BREAKER - 230KV TO 4KV PSS DIFF. AUX. LOCKOUT RELAY OPERATED.
0121	D1	10/10/2004 13:30	10/10/2004 17:15	3.75	33.06	596.25	5090	TURBINE LP SHAFT; ROLLED OUT TURBINE DUE TO LOSS OF TURNING GEAR DURING TRIP OUT.
0122	RS	10/10/2004 17:15	10/11/2004 02:46	9.52	0.00	0.00	0000	RESERVE SHUTDOWN
0123	RS	10/11/2004 22:28	10/12/2004 04:24	5.93	0.00	0.00	0000	RESERVE SHUTDOWN
0124	RS	10/12/2004 21:41	10/13/2004 03:03	5.37	0.00	0.00	0000	RESERVE SHUTDOWN
0125	RS	10/13/2004 23:09	10/14/2004 04:05	4.93	0.00	0.00	0000	RESERVE SHUTDOWN
0126	MO	10/14/2004 22:55	10/18/2004 06:30	79.58	100.00	38,279.58	9999	TOTAL UNIT PERFORMANCE TESTING; G.T. TUNING MODIFICATION TO IMPROVE PERFORMANCE
0127	D1	10/18/2004 11:28	10/18/2004 14:14	2.77	33.06	439.90	4710	GENERATOR METERING DEVICES; MW\WVAR TRANSUDCER WAS LOST DUE TO LOOSE WIRE
0128	RS	10/20/2004 21:30	10/21/2004 05:06	7.60	0.00	0.00	0000	RESERVE SHUTDOWN
0129	RS	10/22/2004 00:39	10/22/2004 05:06	4.45	0.00	0.00	0000	RESERVE SHUTDOWN
0130	MO	10/23/2004 00:23	10/23/2004 17:00	16.62	100.00	7,992.62	9999	TOTAL UNIT PERFORMANCE TESTING; REMOVE G.T TUNING EQUIPMENT
0131	RS	10/23/2004 17:00	10/25/2004 03:24	34.40	0.00	0.00	0000	RESERVE SHUTDOWN
0132	RS	10/25/2004 21:53	10/26/2004 04:20	6.45	0.00	0.00	0000	RESERVE SHUTDOWN
0133	RS	10/26/2004 21:41	10/27/2004 04:12	6.52	0.00	0.00	0000	RESERVE SHUTDOWN
0134	RS	10/27/2004 22:00	10/28/2004 04:00	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0135	RS	10/28/2004 22:17	10/29/2004 03:56	5.65	0.00	0.00	0000	RESERVE SHUTDOWN
0136	RS	10/29/2004 22:57	10/30/2004 05:01	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0137	RS	10/30/2004 22:40	10/31/2004 07:21	9.68	0.00	0.00	0000	RESERVE SHUTDOWN
0138	RS	10/31/2004 20:44	11/01/2004 04:12	7.47	0.00	0.00	0000	RESERVE SHUTDOWN
0139	RS	11/01/2004 20:44	11/02/2004 04:18	7.57	0.00	0.00	0000	RESERVE SHUTDOWN
0140	RS	11/02/2004 20:35	11/03/2004 03:20	6.75	0.00	0.00	0000	RESERVE SHUTDOWN
0141	RS	11/03/2004 20:05	11/04/2004 03:09	7.07	0.00	0.00	0000	RESERVE SHUTDOWN
0142	RS	11/04/2004 20:54	11/06/2004 02:17	29.38	0.00	0.00	0000	RESERVE SHUTDOWN
0143	RS	11/06/2004 09:14	11/08/2004 01:32	40.30	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0144	D1	11/08/2004 05:04	11/08/2004 06:08	1.07	52.92	299.73	5048	GAS FUEL SYSTEM; EXCESSIVE FUEL GAS PRESSURE SWING.
0145	RS	11/08/2004 22:24	11/09/2004 03:57	5.55	0.00	0.00	0000	RESERVE SHUTDOWN
0146	RS	11/09/2004 22:04	11/10/2004 03:06	5.03	0.00	0.00	0000	RESERVE SHUTDOWN
0147	RS	11/10/2004 21:19	11/11/2004 03:13	5.90	0.00	0.00	0000	RESERVE SHUTDOWN
0148	RS	11/12/2004 21:49	11/15/2004 00:04	50.25	0.00	0.00	0000	RESERVE SHUTDOWN
0149	RS	11/20/2004 00:56	11/20/2004 11:37	10.68	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUT DOWN
0150	RS	11/20/2004 23:19	11/21/2004 08:14	8.92	0.00	0.00	0000	RESERVE SHUTDOWN
0151	RS	11/24/2004 22:22	11/25/2004 04:18	5.93	0.00	0.00	0000	RESERVE SHUTDOWN
0152	RS	11/26/2004 15:27	11/29/2004 01:00	57.55	0.00	0.00	0000	RESERVE SHUTDOWN
0153	RS	11/29/2004 23:03	11/30/2004 03:24	4.35	0.00	0.00	0000	RESERVE SHUTDOWN
0154	RS	11/30/2004 22:28	12/01/2004 03:26	4.97	0.00	0.00	0000	RESERVE SHUTDOWN
0155	RS	12/01/2004 22:44	12/02/2004 03:32	4.80	0.00	0.00	0000	RESERVE SHUTDOWN
0156	RS	12/03/2004 23:28	12/06/2004 02:33	51.08	0.00	0.00	0000	RESERVE SHUTDOWN
0157	RS	12/08/2004 22:25	12/12/2004 22:53	96.47	0.00	0.00	0000	RESERVE SHUTDOWN
0158	D1	12/14/2004 10:49	12/14/2004 12:07	1.30	33.90	234.00	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; INLET BLEED HEAT CONTROL VALVE STICKING CLOSED
0159	RS	12/26/2004 14:38	12/27/2004 02:44	12.10	0.00	0.00	0000	RESERVE SHUTDOWN
0160	RS	12/29/2004 09:14	01/01/2005 00:00	62.77	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2004 00:00	02/04/2004 12:20	828.33	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	02/04/2004 13:10	02/27/2004 14:07	552.95	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0003	RS	02/27/2004 15:11	03/18/2004 10:07	474.93	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	03/18/2004 11:18	03/20/2004 07:10	43.87	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	03/20/2004 07:40	03/31/2004 09:08	265.47	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0006	RS	03/31/2004 09:40	05/06/2004 10:25	863.75	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0007	RS	05/06/2004 11:00	05/21/2004 12:55	361.92	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	05/21/2004 13:29	05/27/2004 15:29	146.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0009	RS	05/27/2004 15:56	06/24/2004 14:00	670.07	0.00	0.00	0000	RESERVE SHUTDOWN; BLACK START TEST.
0010	RS	06/24/2004 14:30	06/27/2004 12:12	69.70	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0011	RS	06/27/2004 12:37	07/01/2004 13:12	96.58	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	07/01/2004 14:42	07/08/2004 14:00	167.30	0.00	0.00	0000	RESERVE SHUTDOWN; BLACK START AND PERFORMANCE TESTING. RESERVE SHUTDOWN.
0013	RS	07/08/2004 15:04	08/04/2004 11:28	644.40	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0014	RS	08/04/2004 12:44	08/18/2004 11:17	334.55	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0015	RS	08/18/2004 12:17	09/01/2004 07:05	330.80	0.00	0.00	0000	RESERVE SHUTDOWN
0016	D4	09/01/2004 07:00	09/01/2004 13:30	6.50	50.00	51.73	5650	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; I&C CHANGING OUT WIRING HARNESS
0017	MO	09/01/2004 07:05	09/01/2004 10:21	3.27	100.00	104.53	3629	OTHER SWITCHYARD OR HIGH VOLTAGE SYSTEM PROBLEMS; LINE DEPARTMENT CHECKING MARKER BALLS ON TRANSMISSION LINES OVER ROAD
0018	RS	09/01/2004 10:21	09/01/2004 13:48	3.45	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER MO
0019	RS	09/01/2004 14:35	09/03/2004 13:47	47.20	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0020	RS	09/03/2004 14:38	09/09/2004 14:14	143.60	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0021	RS	09/09/2004 15:23	09/14/2004 06:46	111.38	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER BLACK START TEST

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0022	RS	09/14/2004 07:24	09/30/2004 13:59	390.58	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST START
0023	RS	09/30/2004 14:28	10/04/2004 14:40	96.20	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0024	RS	10/04/2004 15:32	10/07/2004 12:32	69.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST
0025	RS	10/07/2004 13:06	10/13/2004 10:27	141.35	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST
0026	RS	10/13/2004 11:30	11/10/2004 06:47	668.28	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST
0027	MO	11/10/2004 06:47	11/10/2004 13:16	6.48	100.00	259.33	3600	SWITCHYARD TRANSFORMERS AND ASSOCIATED COOLING SYSTEMS-EXTERNAL (OMC); UNIT ISOLATED FOR REPLACEMENT OF UNIT 1 MAIN TRANSFORMER
0028	RS	11/10/2004 13:16	11/14/2004 08:38	91.37	0.00	0.00	0000	RESERVE SHUTDOWN
0029	RS	11/14/2004 09:16	12/02/2004 09:39	432.38	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0030	RS	12/02/2004 10:21	12/08/2004 09:42	143.35	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0031	RS	12/08/2004 11:12	12/16/2004 12:41	193.48	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER BLACK START TEST
0032	RS	12/16/2004 13:19	01/01/2005 00:00	370.68	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/28/2004 13:09	01/28/2004 16:16	3.12	12.45	199.47	0250	PULVERIZER FEEDERS; 1D FEEDER BELT BROKE. REPLACED INKIND.
0002	D1	02/28/2004 00:50	02/28/2004 01:07	0.28	99.42	144.78	9900	OPERATOR ERROR; OPER TURN WRONG SWITCH DURING GENERATOR TEST.
0003	U1	02/28/2004 02:15	02/28/2004 06:34	4.32	100.00	2,218.77	9900	OPERATOR ERROR; OPER STRIPPED 1C BUS CAUSED LOW DRUM LEVEL TRIP AND HAD TO TRIP TURBINE.
							0380	MAJOR COMPONENT WORKED DURING EVENT; LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); IGNITOR SYSTEM FAIL AND CAUSED START-UP DELAY.
0004	D1	03/03/2004 12:00	03/03/2004 12:20	0.33	10.12	17.33	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP LIMIT LOAD.
0005	PO	03/05/2004 21:08	03/19/2004 02:20	317.20	100.00	163,040.80	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; BOILER INSPECTION AND REPAIR AS NECESSARY.
							3412	CONTRIBUTED TO PRIMARY CAUSE; FEEDWATER PUMP DRIVE - STEAM TURBINE; 1A BFPT STEAM CHEST LEAK REPAIR.
							3210	CONTRIBUTED TO PRIMARY CAUSE; CIRCULATING WATER PUMPS; 1A CIRC. WATER PUMP REPAIR
							3411	CONTRIBUTED TO PRIMARY CAUSE; FEEDWATER PUMP DRIVE - MOTOR; 1A CIRC WATER PUMP MOTOR REPAIR
0006	D1	03/19/2004 08:44	03/19/2004 09:15	0.52	74.12	196.85	9900	OPERATOR ERROR; BOILER TRIP ON LOW DRUM LEVEL AND LIMIT LOAD.
0007	D1	03/23/2004 01:05	03/23/2004 03:09	2.07	18.29	194.27	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0008	D1	04/05/2004 22:00	04/06/2004 12:00	14.00	34.24	2,464.00	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 1B MILL SCRAPER SECTION REPAIR.
0009	D4	04/06/2004 12:00	04/06/2004 21:30	9.50	33.85	1,653.00	3418	FEEDWATER PUMP DRIVE - OTHER; MAINT SET 1A BFPT THRUST BEARING AND COUPLING.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0010	D3	04/13/2004 02:25	04/13/2004 05:25	3.00	11.09	171.00	3211	CIRCULATING WATER PUMP MOTORS; 1A CIRC. WATER PUMP MOTOR OUT FOR MAINT. TO CHANCE OIL.
0011	D4	04/14/2004 23:12	04/15/2004 00:22	1.17	52.92	317.33	4610	CONTRIBUTED TO PRIMARY CAUSE; CIRCULATING WATER PUMPS; MAINT CHANGED OIL IN 1A CIRC. WATER PUMP ALSO.
0012	U1	04/18/2004 18:30	04/19/2004 12:38	18.13	100.00	9,320.53	1710	HYDROGEN COOLING SYSTEM PIPING AND VALVES; PIPING FOR H2 COOLING WATER PRESSURE GAUGE REPAIRED BY MAINT.
0013	U1	04/19/2004 22:00	04/20/2004 04:10	6.17	100.00	3,169.67	3344	COMBUSTION / STEAM CONDITION CONTROLS; CATASTROPHIC FAILURE OF DROP #19 AND LOST ALL CONTROLS
0014	MO	04/26/2004 23:30	04/30/2004 02:18	74.80	100.00	38,447.20	4610	DEAERATOR (INCLUDING LEVEL CONTROL); DEAERATOR LEVEL TRANSMITTER FAIL. BOTH BFPs TRIP ON LOW DRUM LEVEL UNIT TRIP.
							3410	HYDROGEN COOLING SYSTEM PIPING AND VALVES; HYDROGEN COOLER LEAK REPAIR
							0310	MAJOR COMPONENT WORKED DURING EVENT; FEEDWATER PUMP; 1A BFP BALANCE ASSEMBLY REPAIR. REPLACED INKIND.
								MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER MILLS; INSTALLED MODIFICATION TO HELP FIRE PREVENTION ON C,A,D,AND E MILLS.
0015	D1	05/04/2004 08:30	05/04/2004 08:52	0.37	16.34	30.80	0030	COAL CONVEYORS AND FEEDERS; OPERATOR REDUCED LOAD DUE TO 1B CONVEYOR FAIL TO START.
0016	D1	05/04/2004 08:52	05/04/2004 08:54	0.03	28.02	4.80	0250	PULVERIZER FEEDERS; 1B FEEDER TRIP LIMIT LOAD
0017	D1	05/04/2004 08:54	05/04/2004 09:03	0.15	16.34	12.60	0030	COAL CONVEYORS AND FEEDERS; 1B CONVEYOR LIMIT CONTINUE.
0018	D1	05/09/2004 19:00	05/09/2004 19:15	0.25	4.09	5.25	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH LIMIT LOAD.
0019	D1	05/12/2004 12:10	05/12/2004 12:54	0.73	45.53	171.60	0250	PULVERIZER FEEDERS; 1C FEEDER FAIL TO START AND LIMIT LOAD. MANUAL START.
0020	D1	05/20/2004 08:26	05/20/2004 09:10	0.73	7.39	27.87	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE UNSTABLE AND LIIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0021	D1	05/20/2004 10:00	05/20/2004 10:45	0.75	10.12	39.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER UNSTABLE DUE TO FURNACE PSI VERY HIGH.
0022	MO	05/30/2004 01:07	05/31/2004 10:42	33.58	100.00	17,261.83	1000	WATERWALL (FURNACE WALL); TUBE LEAK REPAIR IN LOWER BOILER AREA.
0023	D1	05/31/2004 12:23	05/31/2004 12:42	0.32	92.22	150.10	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP LIMIT LOAD.
0024	MO	06/01/2004 17:22	06/02/2004 07:56	14.57	100.00	7,487.27	0520	OTHER MAIN STEAM VALVES (INCL VENT & DRAIN VALVES--NOT TURBINE STOP VALVES); DRUM LEVEL TRANSMITTER VALVE PACKING LEAK REPAIR.
0025	U2	06/09/2004 00:10	06/10/2004 00:53	24.72	100.00	12,704.37	1040	FIRST SUPERHEATER TUBE LEAKS; PRIMARY SUPERHEATER TUBE LEAK REPAIR.
0026	D1	06/16/2004 15:15	06/16/2004 15:30	0.25	18.29	23.50	9270	WET COAL (OMC); `B` FEEDER PLUGGED AND LIMIT LOAD.
0027	MO	06/26/2004 00:15	06/28/2004 04:35	52.33	100.00	26,899.33	0741	BOILER RECIRCULATION PUMPS - MOTORS; 1C BOILER WATER CIRC. PUMP REPAIR
0028	D1	07/02/2004 05:44	07/02/2004 07:30	1.77	26.07	236.73	9270	WET COAL (OMC); 1A FEEDER TRIP. CLEANED ALL FEEDERS LIMIT LOAD.
0029	D1	07/02/2004 21:45	07/02/2004 22:18	0.55	26.07	73.70	9270	WET COAL (OMC); 1A FEEDER TRIP AND LIMIT LOAD.
0030	D1	07/08/2004 14:14	07/08/2004 14:44	0.50	9.92	25.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH. BOILER TAPS PLUGGED AND LIMIT LOAD.
0031	MO	07/09/2004 21:07	07/11/2004 05:15	32.13	100.00	16,516.53	0740	BOILER RECIRCULATION PUMPS; 1C BWCP PLACED IN SERVICE.
0032	D1	07/11/2004 09:08	07/11/2004 10:17	1.15	46.50	274.85	3499	OTHER FEEDWATER SYSTEM PROBLEMS; 1A BFP INSULATION FIRE LIMIT LOAD.
0033	D1	08/03/2004 18:10	08/08/2004 01:46	103.60	32.30	17,197.60	3211	CIRCULATING WATER PUMP MOTORS; CIRC WATER PUMP MOTOR FAIL AND LIMIT LOAD.
0034	D4	09/10/2004 01:00	09/10/2004 04:10	3.17	72.76	1,184.33	8590	OTHER PRECIPITATOR PROBLEMS; MAINT CHANGE OUT 1-B PRECIP. TRANSFORMER AND LIMIT LOAD.
0035	D1	09/13/2004 08:15	09/13/2004 11:30	3.25	7.39	123.50	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0036	RS	09/15/2004 19:17	09/16/2004 07:10	11.88	0.00	0.00	0000	RESERVE SHUTDOWN; DUE TO HURRICANE IVAN CONTRIBUTED TO PRIMARY CAUSE; HURRICANE;
							9035	

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0037	D4	09/20/2004 08:30	09/20/2004 16:30	8.00	16.93	696.00	0310	PULVERIZER MILLS; MAINT REPLACE MILL ROLLER AND REDUCED LOAD.
0038	D1	09/23/2004 06:41	09/23/2004 07:04	0.38	16.54	32.58	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP DUE TO CONCRETE FOUND IN FEEDER AND LIMIT LOAD.
0039	D1	09/28/2004 07:37	09/28/2004 08:25	0.80	26.07	107.20	0250	PULVERIZER FEEDERS; ROCK ON 1A FEEDER BELT LIMIT LOAD.
0040	PO	10/02/2004 00:23	11/17/2004 18:30	1123.12	100.00	577,281.97	1710	COMBUSTION / STEAM CONDITION CONTROLS; CHANGE OUT AND INSTALL NEW CONTROLS
0042	PO	11/18/2004 11:26	11/18/2004 15:26	4.00	100.00	2,056.00	4460	MAJOR COMPONENT WORKED DURING EVENT; OTHER BOILER INSPECTIONS; INSPECT AND REPAIR BOILER AS NECESSARY.
0041	PO	11/19/2004 19:50	11/21/2004 21:34	49.73	100.00	25,562.93	1710	TURBINE OVERSPEED TRIP TEST; OVERSPEED TRIP TEST.
0043	D4	11/24/2004 12:21	11/24/2004 13:48	1.45	99.42	740.95	1700	COMBUSTION / STEAM CONDITION CONTROLS; DAMPER CONTROL WORK BY MAINT.
0044	MO	12/03/2004 23:36	12/06/2004 19:33	67.95	100.00	34,926.30	0740	MAJOR COMPONENT WORKED DURING EVENT; BOILER RECIRCULATION PUMPS - MOTORS; REMOVED 1-C BWCP MOTOR AND INSTALLED BLANK.
0045	MO	12/17/2004 11:18	12/19/2004 01:30	38.20	100.00	19,634.80	1000	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); DEAREATOR TRANSMITTER CONTROL WORK.
0046	D4	12/24/2004 19:00	12/24/2004 21:27	2.45	23.15	291.55	0330	BOILER RECIRCULATION PUMPS; REPAIR BOILER WATER CIRC. PUMP
0047	D1	12/26/2004 13:40	12/26/2004 14:10	0.50	23.15	59.50	0250	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK REPAIR.
0048	D1	12/27/2004 03:55	12/27/2004 05:15	1.33	16.34	112.00	0250	PULVERIZER COAL LEAK (PULVERIZER ONLY); 1B MILL COAL LEAK REPAIR.
0049	D1	12/29/2004 18:10	12/29/2004 23:00	4.83	16.34	406.00	0250	PULVERIZER FEEDERS; FEDER TRIP. REMOVE CONCRETE FROM 1E FEEDER.
0050	D1	12/29/2004 21:00	12/29/2004 21:40	0.67	45.14	98.67	0250	PULVERIZER FEEDERS; BRICK STUCK IN FEEDER.
								PULVERIZER FEEDERS; 1D FEEDER BELT REPAIR
								PULVERIZER FEEDERS; REMOVE ROCK FROM 1C FEEDER.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0007	D1	01/01/2004 08:10	01/01/2004 09:30	1.33	3.40	22.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FAN TOPPED OUT AND LIMIT LOAD.
0008	D1	01/01/2004 08:14	01/01/2004 10:30	2.27	5.40	39.67	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP LIMIT LOAD.
0009	D2	01/01/2004 10:30	01/01/2004 12:35	2.08	2.00	20.83	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; REMOVE CHAIN FROM SCRAPER SECTION OF 2A MILL.
0001	PO	01/08/2004 00:12	01/11/2004 23:59	95.78	100.00	47,891.67	3270	INTAKE SYSTEM PROBLEMS OTHER THAN TRAVELING SCREENS; INTAKE TUNNEL LEAK REPAIR
							4611	CONTRIBUTED TO PRIMARY CAUSE; HYDROGEN COOLERS; GENERATOR HYDROGEN LEAK REPAIR
							1812	CONTRIBUTED TO PRIMARY CAUSE; BOILER INSPECTIONS - SCHEDULED OR ROUTINE; BOILER INSPECTION AND REPAIR AS NECESSARY
0002	SE	01/11/2004 23:59	01/14/2004 20:30	68.52	100.00	34,258.33	4611	HYDROGEN COOLERS; GENERATOR HYDROGEN COOLER LEAKED WHEN BUTTON-UP. REPLACED INKIND
0003	MO	01/24/2004 21:50	01/26/2004 02:35	28.75	100.00	14,375.00	1000	WATERWALL (FURNACE WALL); SIDE WALL TUBE REPAIR LEADING INTO THE LOWER MUD DRUM.
0004	D1	01/29/2004 12:59	01/29/2004 13:30	0.52	6.60	17.05	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0005	D3	01/30/2004 07:11	01/30/2004 09:00	1.82	63.60	577.70	1090	OTHER TUBE LEAKS; OPERATOR REDUCED LOAD TO LOOK FOR TUBE LEAK.
0006	U2	01/30/2004 23:00	02/01/2004 01:25	26.42	100.00	13,208.33	1030	BOILER SCREEN; FLUID COOLED SPACER TUBE REPAIR. REPLACED INKIND.
0010	PD	02/04/2004 23:00	02/05/2004 03:49	4.82	37.60	905.53	4490	TURBINE PERFORMANCE TESTING; SCS TURBINE EFFICIENCY VALVE TEST LIMIT LOAD.
0011	D2	02/12/2004 10:00	02/12/2004 11:15	1.25	14.00	87.50	0250	PULVERIZER FEEDERS; MAINT CHECK FEEDER DUE SEVERAL TRIPS. LOOSE WIRE CORRECTED.
0012	D3	02/21/2004 22:00	02/21/2004 23:50	1.83	25.80	236.50	4611	HYDROGEN COOLERS; FLOW TEST ON HYDROGEN COOLER LIMIT LOAD.
0013	D3	02/25/2004 22:19	02/26/2004 02:50	4.52	8.00	180.67	3211	CIRCULATING WATER PUMP MOTORS; 2A CCWP MOTOR OUT TO MAINT FO OIL CHANGE AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D2	02/26/2004 17:50	02/26/2004 19:05	1.25	9.00	56.25	0344	PULVERIZER INSPECTION; INSPECT 2A MILL AND REMOVED PIECE OF METAL FROM MILL.
0015	D2	02/26/2004 19:05	02/26/2004 21:47	2.70	14.00	189.00	9270	WET COAL (OMC); OPERATOR REDUCE LOAD TO CLEAN FEEDERS.
0016	D3	03/02/2004 03:00	03/02/2004 03:20	0.33	9.00	15.00	3211	CIRCULATING WATER PUMP MOTORS; OPERATOR LIMIT LOAD TO CHANGE OIL IN 2A CCWP MOTOR.
0017	MO	03/12/2004 12:30	03/14/2004 06:32	42.03	100.00	21,016.67	4611	HYDROGEN COOLERS; REMOVE REPLACEMENT COOLER AND INSTALL UNIT 2 REPAIRED COOLER.
0018	D4	03/17/2004 03:30	03/17/2004 06:00	2.50	10.80	135.00	3210	CIRCULATING WATER PUMPS; CUT LOAD TO REMOVE 2A CIRC WATER PUMP FOR REPAIR.
0019	D1	03/26/2004 10:42	03/26/2004 11:07	0.42	2.00	4.17	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP LIMIT LOAD. PLUGGING SWITCH TRIPPED FEEDER.
0020	D4	03/31/2004 00:32	03/31/2004 02:00	1.47	2.00	14.67	3211	CIRCULATING WATER PUMP MOTORS; REDUCED THE LOAD TO CHANGE 2A CIRC WATER PMP MOTOR OIL.
0021	D1	04/07/2004 18:30	04/07/2004 22:00	3.50	24.60	430.50	1411	FORCED DRAFT FAN MOTORS - VARIABLE SPEED; 2A FD FAN SWITCHED TO HIGH SPEED ON ITS OWN CAUSING FURNACE UPSET AND LIMIT LOAD.
0022	D1	04/20/2004 13:19	04/20/2004 14:12	0.88	17.20	75.97	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); REPAIR 2E MILL COAL LEAK AND LIMIT LOAD.
0023	NC	04/23/2004 16:04	04/23/2004 17:39	1.58	0.00	0.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT.
0024	D2	04/29/2004 13:55	04/29/2004 14:36	0.68	14.80	50.57	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); CUT LOAD TO REPAIR 2D MILL COAL LEAK.
0025	D1	04/30/2004 08:30	04/30/2004 16:50	8.33	2.80	116.67	9270	WET COAL (OMC); LOAD LIMITED DUE TO WET COAL.
0026	D1	05/01/2004 08:00	05/01/2004 12:50	4.83	0.80	19.33	9270	WET COAL (OMC); WET COAL LIMIT LOAD.
0027	D1	05/12/2004 11:32	05/12/2004 12:03	0.52	3.60	9.30	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPOED OUT AND LIMIT LOAD.
0028	D1	05/12/2004 17:32	05/12/2004 19:00	1.47	2.80	20.53	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0029	D1	05/13/2004 08:56	05/13/2004 13:13	4.28	3.80	81.38	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0030	NC	05/13/2004 12:56	05/13/2004 20:50	7.90	0.00	0.00	9270	WET COAL (OMC); WET COAL.
0031	D2	05/16/2004 17:30	05/16/2004 18:05	0.58	9.00	26.25	9270	WET COAL (OMC); REDUCED LOAD TO CLEAN 2A FEEDER.
0032	D4	05/19/2004 00:55	05/19/2004 06:50	5.92	34.00	1,005.83	3420	FEEDWATER PIPING AND SUPPORTS; MAINT REPAIR LEAK ON FEEDWATER PIPING AND LIMIT LOAD.
0033	NC	05/29/2004 18:00	05/31/2004 08:00	38.00	0.00	0.00	0570	OTHER REHEAT STEAM PROBLEMS; HOT REHEAT FLOW RESTRICTIONS.
							4250	CONTRIBUTED TO PRIMARY CAUSE; OTHER LOW PRESSURE TURBINE PROBLEMS; LP TURBINE EFFICIENCY.
0034	D1	06/15/2004 09:00	06/15/2004 09:15	0.25	12.00	15.00	0250	PULVERIZER FEEDERS; REMOVED REBAR FROM 'C' FEEDER AND LIMIT LOAD.
0035	D1	06/15/2004 09:30	06/15/2004 09:45	0.25	12.00	15.00	0250	PULVERIZER FEEDERS; RE MOVED REBAR FROM 'C' FEEDER AGAIN AND LIMIT LOAD.
0036	D2	06/15/2004 10:40	06/15/2004 10:55	0.25	12.00	15.00	0250	PULVERIZER FEEDERS; CLEAN "D" FEEDER AND LIMIT LOAD.
0037	D2	06/18/2004 12:15	06/18/2004 12:30	0.25	12.00	15.00	0250	PULVERIZER FEEDERS; 'B' FEEDER CLEANING LIMIT LOAD.
0038	D1	06/18/2004 16:45	06/18/2004 17:30	0.75	12.00	45.00	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; FIRE IN PYRITE SHOUT LIMIT LOAD.
0039	D1	07/13/2004 07:37	07/13/2004 07:42	0.08	3.80	1.58	0250	PULVERIZER FEEDERS; 'E' FEEDER TRIP AND LIMIT LOAD.
0040	D1	07/14/2004 05:25	07/14/2004 07:15	1.83	5.40	49.50	0340	OTHER PULVERIZER PROBLEMS; 'E' MILL EXPLOSION DOOR BLEW OFF AND LIMIT LOAD.
0041	D1	07/17/2004 04:23	07/17/2004 07:30	3.12	49.60	772.93	4805	GENERATOR BUS DUCT COOLING SYSTEM; GENERATOR COOLING BUSS FAN FAIL AND LIMIT LOAD.
0042	D1	07/21/2004 06:33	07/21/2004 06:43	0.17	8.60	7.17	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0043	D1	07/21/2004 09:30	07/21/2004 09:33	0.05	20.60	5.15	0253	PULVERIZER FEEDER MOTOR; "C" FEEDER MOTOR FAIL AND TRIP FEEDER AND LIMIT LOAD.
0044	D1	07/21/2004 12:02	07/21/2004 20:10	8.13	12.00	488.00	0310	PULVERIZER MILLS; E MILL ROLLER NOT GRINDING AND LIMIT LOAD.
0045	D1	07/23/2004 22:45	07/24/2004 04:00	5.25	2.60	68.25	9630	OPACITY; HIGH OPACITY LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0046	D2	07/29/2004 18:22	07/30/2004 03:30	9.13	3.00	137.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; HIGH MOTOR AMPS ON ID FANS LIMIT LOAD
0047	D1	07/31/2004 06:00	07/31/2004 08:25	2.42	11.60	140.17	0250	PULVERIZER FEEDERS; 2B FEEDER ERRATIC. FOUND CONCRETE AND STEEL PLATE LODGED IN FEEDER.
0048	D2	08/03/2004 07:00	08/03/2004 10:21	3.35	71.60	1,199.30	1070	SECOND REHEATER TUBE LEAKS; OPERATOR REDUCED LOAD TO LOOK FOR TUBE LEAK.
0049	U2	08/03/2004 10:21	08/04/2004 16:40	30.32	100.00	15,158.33	1070	SECOND REHEATER TUBE LEAKS; SECOND REHEATER TUBE LEAK REPAIR
0050	U1	08/04/2004 17:00	08/04/2004 18:33	1.55	100.00	775.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP ON FURNACE PSI.
0051	D1	08/05/2004 14:00	08/05/2004 14:15	0.25	95.00	118.75	0260	MAJOR COMPONENT WORKED DURING EVENT; PRIMARY AIR FAN; 2B PA FAN FAIL TO START AND PREVENTED START-UP AFTER BOILER TRIP.
0052	D1	08/07/2004 06:08	08/07/2004 06:42	0.57	95.00	269.17	0380	PRIMARY AIR FAN; 2A PA FAN TRIP AND LIMIT LOAD.
0053	MO	08/14/2004 00:47	08/15/2004 08:20	31.55	100.00	15,775.00	1070	LIGHT-OFF (IGNITER) SYSTEMS (INCLUDING FUEL SUPPLY); FLAME SCANNERS FAILURE AND TRIP BOILER.
0054	U2	08/15/2004 10:15	08/15/2004 21:40	11.42	100.00	5,708.33	0800	SECOND REHEATER TUBE LEAKS; SECOND REHEATER TUBE LEAK REPAIR.
0055	D2	08/29/2004 04:22	08/29/2004 12:50	8.47	0.80	33.87	1710	DRUMS AND DRUM INTERNALS (SINGLE DRUM ONLY); DRUM SOUTH DOOR LEAK REPAIR.
0057	D2	09/18/2004 15:45	09/18/2004 16:35	0.83	17.20	71.67	9270	COMBUSTION / STEAM CONDITION CONTROLS; OPERATOR LIMIT LOAD DUE TO AIR FLOW SWING.
0056	D1	09/19/2004 13:35	09/19/2004 14:05	0.50	92.00	230.00	1710	WET COAL (OMC); OPERATOR LIMIT LOAD TO CLEAN 2A FEEDER PLUGGAGE BEFORE IT STOPPED UP.
0058	D2	09/23/2004 07:01	09/23/2004 09:40	2.65	14.80	196.10	4293	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP DUE TO BOILER CONTROL PROBLEM.
								HYDRAULIC SYSTEM PIPES AND VALVES; MAINT. REPAIR EH FLUID LEAK ON #1 GOV. VALVE AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0059	D1	09/23/2004 12:00	09/23/2004 16:01	4.02	5.60	112.47	0250	PULVERIZER FEEDERS; MAINT REPLACED 2A FEEDER BELT DUE TO CONCRETE GOING THROUGH THE FEEDER AND LIMIT LOAD.
0060	D1	10/01/2004 13:35	10/01/2004 14:30	0.92	4.80	22.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH FURNACE PSI LOAD LIMIT
0061	D1	10/01/2004 23:50	10/02/2004 00:15	0.42	4.80	10.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH FURNACE PSI LOAD LIMIT
0062	D1	10/02/2004 11:40	10/02/2004 12:35	0.92	96.00	440.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI WENT HIGH, BOILER TRIP AND LIMIT LOAD.
0063	D1	10/02/2004 18:45	10/02/2004 19:30	0.75	4.80	18.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER PSI HIGH LIMIT LOAD.
0064	PD	10/04/2004 02:00	10/04/2004 15:10	13.17	20.00	1,316.67	3210	CIRCULATING WATER PUMPS; MAINT CHANGE OUT 2B CIRC. WATER PUMP.
0065	D1	10/18/2004 16:30	10/18/2004 18:55	2.42	16.20	195.75	0250	PULVERIZER FEEDERS; CONCRETE LODGED IN FEEDER AND LIMIT LOAD.
0066	D1	10/20/2004 15:30	10/21/2004 21:08	29.63	96.20	14,253.63	1190	OTHER TUBES SLAGGING & FOULING; LARGE CLINKER LODGED IN BOTTOM ASH REDUCED LOAD TO TRY AND REMOVE.
0067	U3	10/21/2004 21:08	10/22/2004 21:57	24.82	100.00	12,408.33	1190	OTHER TUBES SLAGGING & FOULING; UNIT OFFLINE TO REMOVE CLINKER FROM BOTTOM ASH AREA.
0068	D1	10/23/2004 03:25	10/23/2004 08:40	5.25	65.00	1,706.25	3149	LOSS OF VACUUM NOT ATTRIBUTABLE TO A PARTICULAR COMPONENT SUCH AS AIR EJECTORS OR VALVES; HIGH BACK-PSI LIMIT LOAD
0069	D4	11/02/2004 06:30	11/03/2004 02:00	19.50	12.00	1,170.00	3210	CIRCULATING WATER PUMPS; MAINT REPLACE 2B CIRC. PUMP AND MOTOR.
0070	D1	11/03/2004 02:00	11/03/2004 10:00	8.00	72.00	2,880.00	0030	COAL CONVEYORS AND FEEDERS; COAL WASHED IN ON CONVEYORS AND BOUND BELT. COULD NOT START TO FILL BUNKERS.
0071	D4	11/03/2004 10:00	11/03/2004 18:15	8.25	7.40	305.25	3210	CIRCULATING WATER PUMPS; 2B CIRC. PUMP AND MOTOR REPLACEMENT CONTINUE.
0072	D2	11/12/2004 09:35	11/12/2004 11:00	1.42	12.00	85.00	9270	WET COAL (OMC); CUT LOAD TO CLEAN FEEDERS AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0076	D1	11/12/2004 18:35	11/12/2004 19:10	0.58	12.00	35.00	9270	WET COAL (OMC); 2B FEEDER TRIP. OPERATOR CLEAN 2B FEEDER.
0073	D4	11/13/2004 10:40	11/13/2004 11:17	0.62	14.40	44.40	3221	CIRCULATING WATER PIPING FOULING; MAINT. CLEAN WATER LINE AND SIGHTGLASS.
0074	D1	11/25/2004 08:37	11/25/2004 11:34	2.95	12.00	177.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 1-D MILL EXPLOSIVE DOOR BLEW OUT. REPAIR AS NECESSARY.
0075	D2	11/26/2004 11:00	11/26/2004 11:22	0.37	15.40	28.23	9270	WET COAL (OMC); CLEAN FEEDER LOAD REDUCTION.
0088	D1	12/04/2004 08:48	12/04/2004 10:02	1.23	9.20	56.73	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0077	D1	12/12/2004 18:35	12/12/2004 19:10	0.58	8.00	23.33	0250	PULVERIZER FEEDERS; 2B FEEDER PLUGGING SWITCH TRIP FEEDER AND LIMIT LOAD.
0078	D1	12/14/2004 18:32	12/14/2004 18:48	0.27	7.00	9.33	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP AND LIMIT LOAD.
0079	D1	12/14/2004 19:40	12/14/2004 20:07	0.45	7.00	15.75	0250	PULVERIZER FEEDERS; 2B FEEDER PLUGGING SWITCH FAIL AND LIMIT LOAD.
0080	D1	12/21/2004 03:10	12/21/2004 04:05	0.92	5.00	22.92	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH LIMIT LOAD.
0081	D1	12/22/2004 05:15	12/22/2004 05:32	0.28	3.00	4.25	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH LIMIT LOAD.
0082	D4	12/22/2004 11:20	12/22/2004 11:50	0.50	14.40	36.00	3210	CIRCULATING WATER PUMPS; 2B CIRC. WATER PUMP GLAND LOOSE. GLAND TIGHTEN BY MAINT.
0083	D1	12/26/2004 13:52	12/26/2004 14:08	0.27	24.40	32.53	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP. OPER FOUND NO REASON FOR TRIP.
0084	D1	12/28/2004 20:30	12/28/2004 20:56	0.43	11.20	24.27	0250	PULVERIZER FEEDERS; E FEEDER TRIP
0085	D1	12/30/2004 01:45	12/30/2004 03:40	1.92	24.00	230.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0086	D1	12/30/2004 06:30	12/30/2004 08:30	2.00	4.00	40.00	9630	OPACITY; OPACITY LOAD LIMIT
0087	D1	12/31/2004 18:00	01/01/2005 00:00	6.00	6.00	180.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD.

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2005

January 01, 2005 00:00 - January 01, 2006 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 2								
0001	RS	01/01/2005 00:00	07/26/2005 07:31	4950.52	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
0002	RS	07/27/2005 23:37	01/01/2006 00:00	3769.38	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN.
Crist 3								
0001	RS	01/01/2005 00:00	01/01/2006 00:00	8760.00	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN.
Crist 4								
0001	RS	01/04/2005 09:25	01/07/2005 00:00	62.58	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0002	PO	01/07/2005 00:00	01/15/2005 02:42	194.70	100.00	15,186.60	1999	BOILER, MISCELLANEOUS; PLANNED BOILER OUTAGE.
0003	NC	01/20/2005 07:07	01/20/2005 08:44	1.62	0.00	0.00	0310	PULVERIZER MILLS; 4D MILL OUT FOR INSPECTION.
0004	D1	04/20/2005 20:20	04/20/2005 23:41	3.35	5.13	13.40	1120	CONVECTION PASS WALL SLAGGING & FOULING; REDUCED LOAD DUE TO BACK PASS PLUGGING.
0005	D1	04/22/2005 19:50	04/25/2005 09:45	61.92	34.62	1,671.75	1120	CONVECTION PASS WALL SLAGGING & FOULING; REDUCED LOAD DUE TO PLUGGED BACK PASS.
0006	MO	04/25/2005 09:45	04/28/2005 10:58	73.22	100.00	5,710.90	1120	CONVECTION PASS WALL SLAGGING & FOULING; OFF LINE TO UNPLUG BACK PASS.
0007	D1	05/14/2005 12:00	05/14/2005 15:55	3.92	1.28	3.92	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY.
0008	NC	06/01/2005 16:25	06/02/2005 08:30	16.08	0.00	0.00	9270	WET COAL (OMC); POOR QUALITY RECLAIMED COAL THAT IS WET DUE TO RAIN.
0009	D1	07/20/2005 18:30	07/21/2005 01:15	6.75	35.90	189.00	9660	THERMAL DISCHARGE LIMITS - FOSSIL; BAD POINT ON RECORDER READING WORKING CUT LOAD FOR ENVIRONMENTAL REASONS.
0010	MO	08/03/2005 21:25	08/06/2005 08:45	59.33	100.00	4,628.00	8590	OTHER PRECIPITATOR PROBLEMS; DOWN WIRES IN PRECIPITATORS AND WASHED AIR HEATERS.
0011	D1	08/06/2005 12:35	08/06/2005 13:07	0.53	10.26	4.27	3684	OTHER VOLTAGE PROTECTION DEVICES; UNDER VOLTAGE RELAY.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	MO	01/03/2005 18:58	01/04/2005 00:00	5.03	100.00	402.67	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY PROBLEMS DUE TO WIRES DOWN AND INSULATORS CRACKED.
0002	RS	01/04/2005 00:00	01/07/2005 00:00	72.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0003	PO	01/07/2005 00:00	01/15/2005 04:36	196.60	100.00	15,728.00	1999	BOILER, MISCELLANEOUS; PLANNED BOILER OUTAGE.
0004	PO	01/15/2005 22:32	01/15/2005 23:01	0.48	100.00	38.67	4460	TURBINE OVERSPEED TRIP TEST; UNIT OFFTO DUE OVERSPEED TRIP TESTING.
0005	MO	02/18/2005 23:42	02/20/2005 06:15	30.55	100.00	2,444.00	4269	OTHER TURBINE VALVES; THE SEALING STEAM ISOLATION VALVE HAD BLOWN PACKING AND A CRACK IN IT.
0006	D1	04/20/2005 19:45	04/20/2005 23:41	3.93	12.50	39.33	1120	CONVECTION PASS WALL SLAGGING & FOULING; LOAD REDUCED TO 70 M.W. DUE TO BACK PASS PLUGGING.
0007	D1	04/22/2005 19:50	04/22/2005 23:57	4.12	12.50	41.17	1120	CONVECTION PASS WALL SLAGGING & FOULING; REDUCED LOAD TO 70 M.W. BECAUSE BACK PASS PLUGGING.
0008	MO	04/28/2005 04:08	04/30/2005 20:57	64.82	100.00	5,185.33	1120	CONVECTION PASS WALL SLAGGING & FOULING; UNIT OFF LINE TO CLEAN BACK PASS.
0009	D1	05/13/2005 10:32	05/15/2005 00:24	37.87	5.00	151.47	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY.
0010	MO	05/15/2005 00:24	05/15/2005 19:36	19.20	100.00	1,536.00	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK EROSION FAILURE MECH.
0011	NC	06/01/2005 16:25	06/02/2005 08:30	16.08	0.00	0.00	9270	WET COAL (OMC); POOR QUALITY WET COAL DUE TO RAIN.
0012	NC	06/09/2005 13:24	06/10/2005 09:30	20.10	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; EXHAUSTER FAN BEARING WIPPED AFG WITH GAS.
0013	RS	07/10/2005 09:53	07/10/2005 16:45	6.87	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN DUE TO HURRICANE DENNIS.
0014	SF	07/10/2005 16:45	07/10/2005 22:50	6.08	100.00	486.67	9035	CONTRIBUTED TO PRIMARY CAUSE; HURRICANE; GENERATOR OUTPUT BREAKER;
0015	RS	07/10/2005 22:50	07/11/2005 14:52	16.03	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN DUE TO SYSTEM DEMAND.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	U1	08/29/2005 08:43	08/29/2005 09:45	1.03	100.00	82.67	4899	OTHER GENERATOR PROBLEMS; THE GENERATOR DIFF. UNDERVOLTAGE RELAY TIME DELAY TRIPPED THE TURBINE.
0017	U1	08/29/2005 19:19	08/29/2005 21:24	2.08	100.00	166.67	4899	OTHER GENERATOR PROBLEMS; GENERATOR UNDERVOLTAGE RELAY TIME DELAY TRIPPED THE TURBINE.
0018	NC	09/02/2005 13:30	09/03/2005 15:30	26.00	0.00	0.00	8551	ELECTROSTATIC PRECIPITATOR FIELD OUT OF SERVICE; PRECIPITATOR CABINET FELL OUT HIGH OPACITY CUT LOAD.
0019	D1	09/08/2005 06:20	09/09/2005 15:59	33.65	43.75	1,177.75	8580	MECHANICAL PRECIPITATOR PROBLEMS; RAPPER CONTROL FAILED ON THE PRECIPITATOR HAD TO CUT LOAD.
0020	U1	11/01/2005 10:54	11/03/2005 21:14	58.33	100.00	4,666.67	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY DUE TO SOME WIRES DOWN.
0021	U1	12/02/2005 12:00	12/20/2005 12:14	432.23	100.00	34,578.67	4800	GENERATOR MAIN LEADS; OFF LINE DUE TO GEN. PROBLEMS. THE GENERATOR LEAD STRAPS BURNT IN TWO.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	MO	01/26/2005 12:02	01/27/2005 03:43	15.68	100.00	4,736.37	1103	STEAM GENERATING TUBES BETWEEN STEAM DRUM AND MUD DRUM; HRA SIDE WALL EAST SIDE OF BOILER.
0002	U1	01/31/2005 00:32	01/31/2005 01:56	1.40	100.00	422.80	4269	OTHER TURBINE VALVES; TURBINE TRIP DURING WEEKLY PM TESTING.
0003	D4	02/28/2005 09:10	02/28/2005 18:10	9.00	32.12	873.00	3110	CONDENSER TUBE LEAKS; TOOK B SIDE CONDENSER OUT TO CHECK FOR TUBE LEAK.
0004	D3	03/01/2005 17:40	03/02/2005 02:17	8.62	2.32	60.32	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK B SIDE CONDENSER.
0005	D3	03/02/2005 03:51	03/02/2005 12:27	8.60	2.32	60.20	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER TUBE LEAK.
0006	U1	03/13/2005 07:12	03/14/2005 13:30	30.30	100.00	9,150.60	1000	WATERWALL (FURNACE WALL); TUBE FAILURE FRONT WALL BETWEEN A-9 AND A-10 BURNER
0007	D4	03/19/2005 05:13	03/19/2005 09:30	4.28	9.27	119.93	3110	CONDENSER TUBE LEAKS; A SIDE CONDENSER TUBE LEAK.
0008	NC	03/28/2005 22:18	04/01/2005 05:50	79.53	0.00	0.00	0280	PULVERIZER FIRES; FIRE IN 6B MILL AND REPAIRED SOME COAL LEAKS IN PIPING.
0009	U1	04/22/2005 23:21	04/24/2005 23:22	48.02	100.00	14,501.03	1020	CONVECTION PASS WALL TUBE LEAKS(WATER TUBES ONLY; REMOVED UNIT FROM SERVICE TO REPAIR BOILER TUBE LEAK
0010	NC	04/25/2005 01:30	04/25/2005 03:43	2.22	0.00	0.00	0360	BURNERS; WHILE UNIT IS DOWN ON LOAD WE BLANK COAL PIPE TO C-8 BURNER.
0011	D1	04/25/2005 03:43	04/25/2005 15:34	11.85	53.64	1,919.70	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); UNIT REDUCED TO EPAIR COAL LEAK B-3 COAL PIPE.
0012	U1	04/25/2005 21:31	04/26/2005 22:27	24.93	100.00	7,529.87	1020	CONVECTION PASS WALL TUBE LEAKS(WATER TUBES ONLY; BOILER TUBE LEAK PARTITION WALL.
0013	D1	06/01/2005 19:45	06/02/2005 00:21	4.60	35.43	492.20	0264	OTHER PRIMARY AIR FAN PROBLEMS; 6D P.A. FAN INBOARD BEARING COUGHT ON FIRE ON THE OUTSIDE OF BEARING.
0014	NC	06/04/2005 01:55	06/04/2005 05:10	3.25	0.00	0.00	3439	HP HEATER HEAD LEAKS; UNIT #6 FEEDWATER HEATER HEAD GASKET BLEW OUT AND IT TOOK OUT 6B CAOL FEEDER.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	06/11/2005 09:49	06/15/2005 01:00	87.18	5.96	1,569.30	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK PENTHOUSE SECTION.
0015	NC	06/13/2005 13:00	06/18/2005 14:00	121.00	0.00	0.00	3439	HP HEATER HEAD LEAKS; #6 HIGH PRESSURE HEATER IS ISOLATED & SH/ RH TEMPS. ARE HIGH.
0017	D1	06/15/2005 01:00	06/16/2005 18:33	41.55	15.89	1,994.40	1040	FIRST SUPERHEATER TUBE LEAKS; DUE TO TUBE LEAK AND #6HP HEATER OUT OF SERVICE AND HIGH SH/RH TEMPS.
0018	MO	06/16/2005 18:33	06/19/2005 08:55	62.37	100.00	18,834.73	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK FINISHING SUPERHEAT HEADER & OTHER FOUR LEAKS IN PARTITION WALL HEADER.
0019	D1	06/29/2005 15:06	06/29/2005 19:10	4.07	76.82	943.47	0260	PRIMARY AIR FAN; 68 MILL SPEED CHANGER GOT WATER IN IT AND TRIPPED THE MILL.
0020	D1	07/03/2005 19:00	07/04/2005 19:20	24.33	58.28	4,282.67	3110	CONDENSER TUBE LEAKS; TUBE LEAK FOUND IN (A) SIDE CONDENSER.
0021	RS	07/10/2005 09:06	07/11/2005 19:05	33.98	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN DUE TO HURRICANE DENNIS.
0022	U1	07/27/2005 09:34	07/27/2005 10:29	0.92	100.00	276.83	1799	CONTRIBUTED TO PRIMARY CAUSE; HURRICANE; OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; HIGH DRUM LEVEL TRIPPED TO PROTECT THE TURBINE.
0023	U1	08/07/2005 21:35	08/07/2005 23:55	2.33	100.00	704.67	3410	FEEDWATER PUMP; PM TESTING ON BOILER FEED PUMP.
0024	D1	08/11/2005 23:00	08/12/2005 06:08	7.13	2.65	57.07	9250	LOW BTU COAL (OMC); LOW BTU VALUE IN THE COAL. SO2 IS .81%
0025	MO	08/25/2005 23:41	08/26/2005 14:08	14.45	100.00	4,363.90	1020	CONVECTION PASS WALL TUBE LEAKS(WATER TUBES ONLY; TUBE LEAK IN THE HRA SIDE WALL.
0026	U1	08/27/2005 07:04	08/28/2005 03:56	20.87	100.00	6,301.73	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK.
0027	D1	09/03/2005 16:00	09/04/2005 02:11	10.18	2.65	81.47	0335	PULVERIZER LUBE OIL SYSTEM; 6C OIL PUMP TRIPPED DUE TO WATER IN THE CONTROL BOX.
0028	U1	09/11/2005 09:48	09/12/2005 08:10	22.37	100.00	6,754.73	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK
0029	PO	09/17/2005 03:52	11/23/2005 18:23	1623.52	100.00	490,302.03	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0030	U1	11/25/2005 10:42	11/26/2005 04:42	18.00	100.00	5,436.00	1000	WATERWALL (FURNACE WALL); WATER WALL TUBE LEAK.
0031	U1	12/01/2005 14:04	12/03/2005 06:22	40.30	100.00	12,170.60	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK PENTHOUSE CAUSE WAS THERMAL FATIGUE.
0032	U1	12/09/2005 16:33	12/11/2005 00:41	32.13	100.00	9,704.27	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; OFF LINE 4 DUE TO WATER IN THE DCS CONTROL SYSTEM THAT CONTROLLED BURNERS AND SOOTBLO
0033	D1	12/16/2005 20:25	12/16/2005 23:45	3.33	28.81	290.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; WATER GOT INTO THE MILL THOURGH THE PYRITE HOPPER BECAUSE THE VALVE WOULD NOT CLOSE.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	D1	01/03/2005 14:55	01/03/2005 16:55	2.00	10.69	102.00	0250	PULVERIZER FEEDERS; MAINTENANCE INSTALLED GRATING ABOVE 7B FEEDER AND THAT GRATING PLUGGED.
0002	D1	01/03/2005 15:36	01/03/2005 17:50	2.23	27.04	220.95	0250	PULVERIZER FEEDERS; MAINTENANCE INSTALLED GRATING ABOVE 7C FEEDER AND IT PLUGGED.
0003	D1	01/04/2005 03:41	01/04/2005 07:15	3.57	58.28	991.53	4269	OTHER TURBINE VALVES; HAD TO TRIP PUMP L.P. GOV. VALVES SWINGING.
0004	D1	01/07/2005 16:55	01/07/2005 17:15	0.33	6.71	10.67	0250	PULVERIZER FEEDERS; PLUGGED GRATING ABOVE 7B FEEDER, REMOVED GRATING.
0005	D1	01/26/2005 19:56	01/26/2005 22:15	2.32	36.06	398.47	0280	PULVERIZER FIRES; 7B MILL EXPLOSION RESULTING IN DAMAGE TO 7C MILL AIR FLOW PIPING . 2 MILLS OUT.
0006	D1	01/26/2005 22:15	01/27/2005 05:30	7.25	6.71	232.00	0310	PULVERIZER MILLS; MILL INSPECTION.
0007	PO	01/28/2005 22:42	04/13/2005 23:00	1799.30	100.00	858,266.10	1999	BOILER, MISCELLANEOUS; PLANNED OUTAGE
0008	U1	04/13/2005 23:02	04/14/2005 01:07	2.08	100.00	993.75	4313	STEAM TURBINE CONTROL SYSTEM - LOGIC PROBLEMS; DCS GOV. CONTROL NOT OPERABLE.
0009	MO	04/17/2005 10:34	04/17/2005 21:52	11.30	100.00	5,390.10	1455	INDUCED DRAFT FANS; REMOVE DEBRIS FROM I.D. FANS.
0010	MO	04/22/2005 22:39	04/25/2005 06:43	56.07	100.00	26,743.80	1480	OTHER INDUCED DRAFT FAN PROBLEMS; REMOVED UNIT FROM SERVICE TO REPAIR 7-C I.D. FAN
0011	D1	04/25/2005 20:01	05/19/2005 23:42	579.68	45.49	125,791.28	1460	INDUCED DRAFT FAN FOULING; 7C /I.D. FAN ROTOR DAMAGED DUE TO METAL FROM DUCT WORK. AND HIGH DUCT WORK VIBRATION.
0012	D1	05/10/2005 12:55	05/10/2005 22:30	9.58	80.08	1,581.25	1460	INDUCED DRAFT FAN FOULING; 7D I.D. FAN SHUT DOWN TO REMOVE METAL FROM HOUSING.
0015	MO	05/19/2005 23:42	05/28/2005 05:35	197.88	100.00	94,390.35	1455	INDUCED DRAFT FANS; OFF LINE TO REPAIR I.D. FANS AND DUCT WORK.
0016	D1	05/28/2005 05:35	05/28/2005 20:38	15.05	31.24	2,242.45	1457	INDUCED DRAFT FAN LUBRICATION SYSTEMS; 7A I.D.WIPPED INBOARD FAN BEARING.
0017	D1	05/28/2005 20:38	05/29/2005 14:03	17.42	16.77	1,393.33	1455	INDUCED DRAFT FANS; EXCESSIVE VIBRATION
0018	MO	05/29/2005 14:03	05/31/2005 10:08	44.08	100.00	21,027.75	1455	INDUCED DRAFT FANS; DOWN FOR I.D. FAN AND DUCT REPAIR.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0019	D1	05/31/2005 10:08	06/13/2005 00:49	302.68	41.72	60,233.98	1455	INDUCED DRAFT FANS; I.D. FANS AND DUCT WORK EXCESSIVE VIBRATION.
0020	MO	06/13/2005 00:49	06/15/2005 22:24	69.58	100.00	33,191.25	1480	OTHER INDUCED DRAFT FAN PROBLEMS; WORKING ON I.D. FAN DUCT WORK.
0021	D1	06/15/2005 22:24	07/23/2005 09:30	899.10	41.72	123,330.25	1455	INDUCED DRAFT FANS; DUE TO FAN AND EXCESSIVE DUCT WORK VIBRATIONS PROBLEMS.
0022	RS	07/10/2005 09:22	07/11/2005 14:52	29.50	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN DUE TO HURRICANE DENNIS
0023	U1	07/11/2005 14:52	07/23/2005 06:13	279.35	100.00	133,249.95	9035	CONTRIBUTED TO PRIMARY CAUSE; HURRICANE; HURRICANE; #7 COOLING TOWER DAMAGED, DUE TO HURRICANE DENNIS.
0024	D1	07/23/2005 09:30	07/23/2005 18:57	9.45	89.52	4,035.15	9035	CONTRIBUTED TO PRIMARY CAUSE; OTHER COOLING TOWER PROBLEMS; #7 COOLING TOWER DAMAGED, DUE TO HURRICANE DENNIS.
0025	D1	07/23/2005 18:57	07/27/2005 02:20	79.38	79.04	29,927.52	9035	HURRICANE; COOLING TOWER DAMAGE DUE TO HURRICANE DENNIS.
0026	D1	07/27/2005 02:20	09/07/2005 22:38	1028.30	41.72	204,631.70	1455	CONTRIBUTED TO PRIMARY CAUSE; OTHER COOLING TOWER PROBLEMS; REPAIR DAMAGE TO COOLING TOWER FROM HURRICANE DENNIS.
0027	MO	09/07/2005 22:38	09/13/2005 05:56	127.30	100.00	60,722.10	1455	INDUCED DRAFT FANS; I.D. FAN DISCHARGE DUCT EXCESSIVE VIBRATION.
0028	U1	09/25/2005 15:32	09/27/2005 06:37	39.08	100.00	18,642.75	1060	INDUCED DRAFT FANS; REMOVED FOR I.D. FAN REPAIR.
0029	D1	09/28/2005 07:55	09/28/2005 15:57	8.03	14.68	562.33	0330	FIRST REHEATER TUBE LEAKS; REHEAT TUBE LEAK.
0030	U2	10/03/2005 15:19	10/03/2005 16:23	1.07	100.00	508.80	1455	PULVERIZER COAL LEAK (PULVERIZER ONLY); B-MILL COAL LEAK B-24 COAL PIPE CRACKED.
0031	D1	10/03/2005 16:24	10/05/2005 03:00	34.60	36.06	5,951.20	1455	INDUCED DRAFT FANS; 7B I.D. FAN INBOARD BEARING FAILURE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	D1	10/05/2005 12:15	10/06/2005 21:01	32.77	41.72	6,520.57	1455	INDUCED DRAFT FANS; 7A I.D. FAN MAKING A NOISE AGAIN IN THE DAMPER.
0032	D1	10/05/2005 17:30	10/06/2005 12:15	18.75	41.72	0.00	1455	INDUCED DRAFT FANS; 7A I.D. FAN MAKING NOISE. FOUND A LOOSE TURNING VANE.
0034	MO	10/06/2005 21:01	10/07/2005 10:51	13.83	100.00	6,598.50	1455	INDUCED DRAFT FANS; 7A I.D. FAN FOUND A TURNING VAN LOOSE.
0035	NC	10/14/2005 07:20	10/14/2005 07:45	0.42	0.00	0.00	0253	PULVERIZER FEEDER MOTOR; 7F FEEDER TRIPPED THEIR WERE NO ALARMS.
0036	U1	10/19/2005 14:04	10/20/2005 07:52	17.80	100.00	8,490.60	1455	INDUCED DRAFT FANS; CAME OFF LINE TO REPAIR 7A & 7B I.D. FAN TURNING VANES.
0037	D1	10/31/2005 17:42	10/31/2005 21:32	3.83	66.46	1,215.17	1599	OTHER AIR AND GAS HANDLING PROBLEMS; DUCT PRESSURE TRANSMITTER CAUSED A FUEL TRIP.
0038	D1	11/01/2005 21:28	11/01/2005 21:40	0.20	66.46	63.40	1599	OTHER AIR AND GAS HANDLING PROBLEMS; FUEL TRIP DUE TO FURNACE PRESSURE TAP (TRANSMITTER)
0039	D1	11/04/2005 10:59	11/04/2005 11:27	0.47	66.46	147.93	1599	OTHER AIR AND GAS HANDLING PROBLEMS; LOSS OF FANS / FIRES BECAUSE OF FRUNACE PRESSURE TAP (TRANSMITTER)
0040	D1	11/07/2005 08:33	11/07/2005 20:44	12.18	41.72	2,424.48	1480	OTHER INDUCED DRAFT FAN PROBLEMS; HIGH VIBRATION IN 7A I.D. FAN DUCT WORK.
0041	MO	11/07/2005 20:44	11/10/2005 08:02	59.30	100.00	28,286.10	1480	OTHER INDUCED DRAFT FAN PROBLEMS; I.D. FANS 7A / B CAME OFF TO REPAIR DUCT CRACKS.
0042	D1	11/28/2005 11:30	11/28/2005 15:30	4.00	0.63	12.00	3190	AIR LEAKAGE (FOR LOSSES NOT ATTRIBUTED TO PREVIOUS NOTED EQUIP); AIR IN LEAKAGE HIGH.
0043	D1	11/29/2005 09:00	11/29/2005 23:00	14.00	41.72	2,786.00	3499	OTHER FEEDWATER SYSTEM PROBLEMS; (B) BOILER FEED PUMP REHEAT SPRAY LINE LEAK.
0044	D1	12/03/2005 14:00	12/03/2005 21:30	7.50	41.72	1,492.50	3416	OTHER FEEDWATER PUMP PROBLEMS; STEAM LEAK ON A WELD ON THE 7B BFP REHEAT SPRAY LINE.
0045	D1	12/22/2005 00:30	12/22/2005 09:00	8.50	45.91	1,861.50	3416	OTHER FEEDWATER PUMP PROBLEMS; DOWN TO REPAIR 7B BFP REHEAT SPRAY LINE LEAK.
0046	D1	12/30/2005 23:00	12/31/2005 17:00	18.00	45.91	3,942.00	3416	OTHER FEEDWATER PUMP PROBLEMS; DOWN ON LOAD TO REPAIR REHEAT SPRAY LINE.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0047	NC	12/31/2005 19:00	12/31/2005 20:00	1.00	0.00	0.00	0385	IGNITERS; 7E IGNITOR WONT LITE OFF TO PUT IN 7E MILL.
Scholz 1								
0001	RS	01/01/2005 00:00	01/17/2005 18:07	402.12	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	02/14/2005 10:26	03/08/2005 02:30	520.07	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0003	RS	04/15/2005 21:37	04/28/2005 16:22	306.75	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO COME OFFLINE ON RESERVE SHUTDOWN.
0004	D1	10/11/2005 10:15	10/11/2005 12:10	1.92	43.48	38.33	4261	CONTROL VALVES; CONTROL LINKAGE ASSOCIATED WITH #8 CONTROL VALVE LOCKED UP PREVENTING LOAD FROM CONTRIBUTED TO PRIMARY CAUSE; CONTROL VALVES; CONTROL LINKAGE FOR #8 CONTROL VALVE
0005	D1	10/13/2005 14:30	10/13/2005 15:15	0.75	17.39	6.00	0250	PULVERIZER FEEDERS; 1B PULVERIZER FEEDER DRIVE, DRIVE FAULT - HAD TO CHANGE DRIVE
0006	RS	12/23/2005 19:23	01/01/2006 00:00	196.62	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN
Scholz 2								
0001	RS	01/01/2005 00:00	01/17/2005 23:11	407.18	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	01/18/2005 22:37	01/19/2005 20:30	21.88	32.61	328.25	3642	CONDUCTORS AND BUSES; 2-B PULVERIZER ELECTRICAL SUPPLY CABLES TO MOTOR HAD TO BE REPLACED
0003	RS	02/11/2005 22:09	03/08/2005 12:00	589.85	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN (24 HR. STANDBY) - REQUESTED BY FLEET
0004	U1	09/05/2005 10:58	09/06/2005 05:06	18.13	100.00	834.13	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK
0005	PO	11/26/2005 01:18	12/18/2005 22:08	548.83	100.00	25,246.33	1810	OTHER BOILER INSPECTIONS; PLANNED OUTAGE - OTHER, BOILER INSPECTION
0006	RS	12/23/2005 23:52	01/01/2006 00:00	192.13	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED UNIT TO GO TO RESERVE SHUTDOWN.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	NC	02/21/2005 07:20	02/21/2005 07:45	0.42	0.00	0.00	3199	OTHER CONDENSING SYSTEM PROBLEMS; VACUUM INDICATION INCORRECT DUE TO LOSS OF BAROMETRIC PRESSURE TRANSMITTER
0002	D1	03/13/2005 05:22	03/13/2005 06:19	0.95	10.49	16.15	0320	FOREIGN OBJECT IN PULVERIZER MILL; PIECE OF 1-B FEEDER CAME OFF AND WENT IN MILL.
0003	D1	03/26/2005 08:00	03/26/2005 11:32	3.53	10.49	60.07	0263	PRIMARY AIR FAN DRIVES; 1-A PRIMARY AIR DAMPER BROKE.
0004	MO	03/29/2005 21:08	04/02/2005 08:13	83.08	100.00	13,459.50	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); MAINTENANCE OUTAGE.
0005	NC	04/03/2005 21:44	04/04/2005 00:56	3.20	0.00	0.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1-B I.D. FAN HIGH SPEED VIBRATION.
0006	D1	04/04/2005 02:30	04/04/2005 04:22	1.87	87.65	265.07	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1-B I.D. FAN VIBRATION, TOOK FAN OUT TO BALANCE.
0008	D1	04/04/2005 03:40	04/04/2005 04:11	0.52	98.77	9.30	1455	INDUCED DRAFT FANS; LOSS OF FIRES
0007	D4	04/04/2005 09:30	04/04/2005 17:30	8.00	64.81	840.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1-B I.D. FAN VIBRATION.
0009	D4	04/09/2005 04:25	04/09/2005 09:15	4.83	24.07	188.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN 1A MILL
0010	D1	05/04/2005 01:23	05/04/2005 01:43	0.33	96.30	52.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1-A INDUCED DRAFT FAN INLET VANES WENT CLOSED AFTER FAN SPEEDS WERE SWAPPED TO HIGH.
0011	D1	05/05/2005 01:25	05/05/2005 01:35	0.17	96.30	26.00	1455	INDUCED DRAFT FANS; 1-A I.D. FAN FAILED TO START BACK AFTER SWAPPING.
0012	NC	05/14/2005 06:00	05/14/2005 07:30	1.50	0.00	0.00	0310	PULVERIZER MILLS; ADJUST 1A AND 1B MILL ROLLS
0013	D1	05/14/2005 07:30	05/14/2005 09:00	1.50	27.16	66.00	0310	PULVERIZER MILLS; 1B REPAIR COAL LEAK
0014	NC	05/15/2005 06:00	05/15/2005 07:30	1.50	0.00	0.00	0310	PULVERIZER MILLS; ADJUST 1C AND 1D MILL ROLLS
0015	D1	06/13/2005 08:09	06/13/2005 08:23	0.23	96.30	36.40	9910	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN SWITCHED UPS TO DCS OFF RESULTING IN LOSS OF FIRES

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	06/30/2005 06:30	06/30/2005 08:00	1.50	19.75	48.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; 1B MILL SHUT DOWN TO REMOVE FOREIGN METAL FROM INSIDE MILL.
0017	D1	07/19/2005 05:07	07/19/2005 09:34	4.45	27.16	195.80	0253	PULVERIZER FEEDER MOTOR; 1A MILL TRIPPED OUT DUE TO MOTOR LEADS SHORTING
0018	D1	09/15/2005 12:30	09/15/2005 14:20	1.83	7.41	22.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN 1-D PULVERIZER MILL.
0019	PO	10/21/2005 23:37	11/12/2005 09:22	514.75	100.00	83,389.50	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); PLANNED FALL OUTAGE.
0020	NC	11/25/2005 06:09	11/25/2005 18:10	12.02	0.00	0.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1B- I.D. FAN INLET DAMPER NOT WORKING IN AUTO
0021	NC	11/26/2005 08:14	11/26/2005 12:26	4.20	0.00	0.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1-B I.D. FAN INLET DAMPER NOT WORKING IN AUTO
0022	D1	12/06/2005 02:02	12/06/2005 02:10	0.13	95.06	20.53	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 1-A I.D. FAN INLET DAMPER STICKING AND THEN TURNING LOOSE CAUSING FURNACE PRESSURE SWI
0023	D1	12/13/2005 07:17	12/13/2005 07:28	0.18	13.58	4.03	0310	PULVERIZER MILLS; TOOK MILL OUT OF SERVICE TO SWEEP OUT PYRITES

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	NC	01/12/2005 07:40	01/12/2005 10:45	3.08	0.00	0.00	0253	PULVERIZER FEEDER MOTOR; TESTING 2-E MILL MOTOR.
0002	NC	01/13/2005 09:45	01/13/2005 14:15	4.50	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; REPAIR DEAD MILL ROLL ON 2-D.
0003	D1	01/13/2005 15:15	01/13/2005 18:15	3.00	60.32	342.00	9630	OPACITY; CUT LOAD TO REDUCE OPACITY EXCEEDANCES.
0004	D1	02/13/2005 13:54	02/13/2005 17:03	3.15	31.22	185.85	9630	OPACITY; EXCEEDANCES ON OPACITY
0005	PO	02/18/2005 13:10	04/26/2005 07:14	1601.07	100.00	302,601.60	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); SPRING 2005 MAJOR BOILER AND HOT PRECIPITATOR OUTAGE
							8590	MAJOR COMPONENT WORKED DURING EVENT; OTHER PRECIPITATOR PROBLEMS; HOT PRECIPITATOR OUTAGE.
							4401	MAJOR COMPONENT WORKED DURING EVENT; TURBINE INSPECTION; SPRING 2005 TURBINE INSPECTION
0006	PO	04/27/2005 02:36	05/02/2005 00:00	117.40	100.00	22,188.60	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE
0007	U1	05/02/2005 00:00	05/09/2005 13:20	181.33	100.00	34,272.00	4613	HYDROGEN SEALS; HYDROGEN SEALS FAILED
0008	D1	06/02/2005 20:40	06/02/2005 21:12	0.53	97.35	98.13	9270	WET COAL (OMC); LOST 2-E FEEDER DUE TO PLUGGAGE WHICH CAUSED LOSS OF EXCESS O2, HAD TO USE FUEL STRIP
0009	D1	06/13/2005 08:09	06/13/2005 08:20	0.18	97.35	33.73	9910	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN SWITCHED UPS TO DCS OFF RESULTING IN LOSS OF FIRES
0010	U1	06/28/2005 03:34	06/28/2005 12:48	9.23	100.00	1,745.10	3211	CIRCULATING WATER PUMP MOTORS; 1B CIRCULATING WATER PUMP TRIPPED CAUSING LOW CONDENSER VACUUM, TRIPPING UNIT.
0011	D1	09/27/2005 05:12	09/27/2005 05:27	0.25	98.41	46.50	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; LOSS OF FIRES WHEN A ID FAN BREAKER FAILED TO CLOSE
0012	MO	11/02/2005 00:24	11/08/2005 13:50	157.43	100.00	29,754.90	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); FALL OUTAGE

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	D1	11/09/2005 12:38	11/09/2005 14:52	2.23	31.22	131.77	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); REPAIR COAL LEAK ON 2-E MILL PIPING AND ADJUST MILL ROLLS ON 2-A PULVERIZER.
0014	D1	12/16/2005 08:15	12/16/2005 12:45	4.50	10.05	85.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; 2D MILL ADJUST MILL ROLLS. 2C MILL REMOVE FOREIGN METAL AND SET MILL ROLLS
0015	D1	12/20/2005 13:00	12/20/2005 15:10	2.17	10.05	41.17	0250	PULVERIZER FEEDERS; 2B FEEDER JACK BOLT BROKE. BELT RUNS TO ONE SIDE
0016	NC	12/21/2005 07:53	12/21/2005 11:00	3.12	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER TAIL PULLEY EAST ADJUSTER REPAIRED BY MERRICK
0017	NC	12/25/2005 15:00	12/26/2005 16:10	25.17	0.00	0.00	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0018	D1	12/26/2005 16:10	12/27/2005 00:28	8.30	55.03	863.20	3110	CONDENSER TUBE LEAKS; INSPECT CONDENSER FOR CONDENSER TUBE LEAK
0019	D1	12/27/2005 02:30	12/30/2005 02:25	71.92	10.05	1,366.42	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/01/2005 00:00	01/03/2005 01:50	49.83	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	01/03/2005 18:52	01/10/2005 22:49	171.95	0.00	0.00	0000	RESERVE SHUTDOWN
0003	RS	01/11/2005 22:14	01/12/2005 04:39	6.42	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	01/12/2005 21:45	01/14/2005 09:14	35.48	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	01/21/2005 20:43	01/23/2005 02:06	29.38	0.00	0.00	0000	RESERVE SHUTDOWN
0006	U1	01/23/2005 02:56	01/23/2005 15:10	12.23	100.00	6,495.90	4499	OTHER STEAM TURBINE PROBLEMS; COLD REHEAT LINE TWIP DRAIN BROKE.
0007	RS	01/26/2005 13:55	01/27/2005 02:02	12.12	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	02/01/2005 22:35	02/02/2005 03:09	4.57	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	02/06/2005 10:02	02/08/2005 01:23	39.35	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	02/08/2005 21:13	02/10/2005 03:03	29.83	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	02/12/2005 10:43	02/17/2005 00:02	109.32	0.00	0.00	0000	RESERVE SHUTDOWN
0012	D1	02/20/2005 09:48	02/20/2005 16:16	6.47	33.90	1,164.00	5079	OTHER COMBUSTOR PROBLEMS; A GAS TURBINE GAS CAN DRAIN LINE BROKEN
0013	D1	03/18/2005 05:18	03/18/2005 05:24	0.10	32.20	17.10	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); B GT 289 CONDENSATE VALVE AIR LINE BROKE OFF CAUSING HIGH LP DRUM LEVEL TRIPPING ST
0014	RS	03/26/2005 20:45	03/28/2005 02:29	29.73	0.00	0.00	0000	RESERVE SHUTDOWN
0015	D1	04/01/2005 22:17	04/02/2005 02:39	4.37	33.06	694.30	3869	OTHER FIRE PROTECTION SYSTEM PROBLEMS; WATER IN 3B GT FIRE PROTECTION CONTROLS CAUSED A RELEASE OF CO2 IN ZONES 1, 2 & 3
0016	RS	04/03/2005 21:42	04/04/2005 03:13	5.52	0.00	0.00	0000	RESERVE SHUTDOWN
0017	RS	04/04/2005 22:51	04/05/2005 04:08	5.28	0.00	0.00	0000	RESERVE SHUTDOWN
0018	RS	04/05/2005 23:16	04/06/2005 04:07	4.85	0.00	0.00	0000	RESERVE SHUTDOWN
0019	RS	04/06/2005 20:38	04/07/2005 02:55	6.28	0.00	0.00	0000	RESERVE SHUTDOWN
0020	RS	04/07/2005 21:30	04/08/2005 03:11	5.68	0.00	0.00	0000	RESERVE SHUTDOWN
0021	RS	04/08/2005 23:03	04/09/2005 06:04	7.02	0.00	0.00	0000	RESERVE SHUTDOWN
0022	RS	04/09/2005 21:24	04/10/2005 06:00	8.60	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	04/10/2005 22:57	04/11/2005 04:11	5.23	0.00	0.00	0000	RESERVE SHUTDOWN
0024	RS	04/11/2005 22:14	04/12/2005 04:10	5.93	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	RS	04/12/2005 22:52	04/13/2005 04:03	5.18	0.00	0.00	0000	RESERVE SHUTDOWN
0031	U1	04/13/2005 10:33	04/13/2005 11:31	0.97	100.00	464.97	9920	CONTRACTOR ERROR; RELAY DEPT TRIPPED UNIT WHILE TESTING RELAYS
0026	RS	04/13/2005 22:44	04/14/2005 03:38	4.90	0.00	0.00	0000	RESERVE SHUTDOWN
0027	RS	04/14/2005 22:23	04/15/2005 03:24	5.02	0.00	0.00	0000	RESERVE SHUTDOWN
0028	RS	04/15/2005 22:34	04/18/2005 02:07	51.55	0.00	0.00	0000	RESERVE SHUTDOWN
0029	D1	04/18/2005 14:28	05/24/2005 13:04	862.60	33.06	128,010.90	5022	COMPRESSOR LP BLADES/BUCKETS; 3A GT IGV OR R0 BLADE FAILURE
0030	RS	04/18/2005 23:17	04/20/2005 04:10	28.88	0.00	0.00	0000	RESERVE SHUTDOWN
0032	RS	04/20/2005 22:27	04/21/2005 04:19	5.87	0.00	0.00	0000	RESERVE SHUTDOWN
0033	RS	04/21/2005 22:04	04/22/2005 04:07	6.05	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	04/22/2005 22:12	04/23/2005 04:09	5.95	0.00	0.00	0000	RESERVE SHUTDOWN
0035	RS	04/23/2005 17:22	04/24/2005 04:07	10.75	0.00	0.00	0000	RESERVE SHUTDOWN
0036	RS	04/26/2005 21:46	04/27/2005 04:43	6.95	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	04/27/2005 22:49	04/27/2005 23:57	1.13	0.00	0.00	0000	RESERVE SHUTDOWN
0038	RS	04/28/2005 23:29	04/29/2005 07:00	7.52	0.00	0.00	0000	RESERVE SHUTDOWN
0039	MO	04/29/2005 07:00	05/01/2005 16:30	57.50	100.00	27,657.50	5274	RESERVE SHUTDOWN GENERAL UNIT INSPECTION; SPRING MAINTENANCE OUTAGE.
0040	RS	05/01/2005 16:30	05/02/2005 04:17	11.78	0.00	0.00	0000	RESERVE SHUTDOWN
0041	RS	05/02/2005 23:06	05/03/2005 04:05	4.98	0.00	0.00	0000	RESERVE SHUTDOWN
0042	RS	05/03/2005 21:32	05/04/2005 04:14	6.70	0.00	0.00	0000	RESERVE SHUTDOWN
0043	RS	05/04/2005 21:34	05/05/2005 04:15	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0044	RS	05/05/2005 22:01	05/09/2005 02:44	76.72	0.00	0.00	0000	RESERVE SHUTDOWN
0045	RS	05/09/2005 21:33	05/10/2005 05:08	7.58	0.00	0.00	0000	RESERVE SHUTDOWN
0046	RS	05/10/2005 21:31	05/11/2005 04:03	6.53	0.00	0.00	0000	RESERVE SHUTDOWN
0047	RS	05/11/2005 23:15	05/12/2005 05:08	5.88	0.00	0.00	0000	RESERVE SHUTDOWN
0048	RS	05/12/2005 23:30	05/13/2005 05:19	5.82	0.00	0.00	0000	RESERVE SHUTDOWN
0049	RS	05/13/2005 21:29	05/14/2005 06:06	8.62	0.00	0.00	0000	RESERVE SHUTDOWN
0050	RS	05/14/2005 21:20	05/15/2005 09:08	11.80	0.00	0.00	0000	RESERVE SHUTDOWN
0051	RS	05/15/2005 19:50	05/16/2005 05:15	9.42	0.00	0.00	0000	RESERVE SHUTDOWN
0052	RS	05/16/2005 22:36	05/17/2005 05:12	6.60	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0053	RS	05/17/2005 21:16	05/18/2005 05:00	7.73	0.00	0.00	0000	RESERVE SHUTDOWN
0054	D1	05/18/2005 05:00	05/18/2005 05:50	0.83	100.00	268.33	5048	GAS FUEL SYSTEM; P2 PRESSURE HIGH
0055	RS	05/18/2005 19:41	05/19/2005 05:15	9.57	0.00	0.00	0000	RESERVE SHUTDOWN
0056	RS	05/19/2005 19:40	05/20/2005 05:55	10.25	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	05/20/2005 22:00	05/21/2005 07:17	9.28	0.00	0.00	0000	RESERVE SHUTDOWN
0058	RS	05/21/2005 21:49	05/22/2005 08:31	10.70	0.00	0.00	0000	RESERVE SHUTDOWN
0059	RS	05/22/2005 21:41	05/23/2005 05:27	7.77	0.00	0.00	0000	RESERVE SHUTDOWN
0060	RS	05/24/2005 22:00	05/25/2005 04:53	6.88	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN
0061	RS	05/25/2005 19:41	05/26/2005 06:23	10.70	0.00	0.00	0000	RESERVE SHUTDOWN
0062	RS	05/27/2005 22:26	05/28/2005 08:03	9.62	0.00	0.00	0000	RESERVE SHUTDOWN
0063	RS	05/28/2005 19:39	05/29/2005 03:53	8.23	0.00	0.00	0000	RESERVE SHUTDOWN
0064	RS	05/29/2005 18:11	05/31/2005 03:06	32.92	0.00	0.00	0000	RESERVE SHUTDOWN
0065	RS	05/31/2005 21:07	06/02/2005 06:14	33.12	0.00	0.00	0000	RESERVE SHUTDOWN
0066	D1	06/02/2005 09:00	06/02/2005 16:10	7.17	33.06	1,139.50	4269	OTHER TURBINE VALVES; 3B GT HOT REHEAT BLOCKING VALVE(HRB-MV-VAL) WILL NOT OPEN
0067	RS	06/02/2005 18:33	06/03/2005 07:15	12.70	0.00	0.00	0000	RESERVE SHUTDOWN
0068	RS	06/03/2005 19:52	06/04/2005 07:34	11.70	0.00	0.00	0000	RESERVE SHUTDOWN
0069	RS	06/04/2005 23:04	06/05/2005 08:20	9.27	0.00	0.00	0000	RESERVE SHUTDOWN
0070	D4	06/10/2005 00:25	06/12/2005 23:00	70.58	33.06	11,222.75	5272	BOROSCOPE INSPECTION; INSPECT 3B GAS TURBINE COMPRESSOR
0071	RS	06/10/2005 21:44	06/11/2005 08:06	10.37	0.00	0.00	0000	RESERVE SHUTDOWN
0072	RS	06/12/2005 22:36	06/13/2005 07:45	9.15	0.00	0.00	0000	RESERVE SHUTDOWN
0073	RS	06/15/2005 01:11	06/15/2005 06:00	4.82	0.00	0.00	0000	RESERVE SHUTDOWN
0074	RS	06/15/2005 22:40	06/16/2005 06:10	7.50	0.00	0.00	0000	RESERVE SHUTDOWN
0075	RS	06/16/2005 22:58	06/17/2005 07:11	8.22	0.00	0.00	0000	RESERVE SHUTDOWN
0076	RS	06/17/2005 23:17	06/18/2005 07:04	7.78	0.00	0.00	0000	RESERVE SHUTDOWN
0077	RS	06/18/2005 22:38	06/19/2005 08:10	9.53	0.00	0.00	0000	RESERVE SHUTDOWN
0078	RS	06/19/2005 22:18	06/20/2005 07:16	8.97	0.00	0.00	0000	RESERVE SHUTDOWN
0079	RS	06/20/2005 22:57	06/21/2005 06:54	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0080	RS	06/21/2005 22:18	06/22/2005 07:24	9.10	0.00	0.00	0000	RESERVE SHUTDOWN
0081	RS	06/22/2005 23:20	06/23/2005 07:26	8.10	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0082	D1	06/23/2005 22:31	06/24/2005 00:23	1.87	49.69	446.13	4710	GENERATOR METERING DEVICES; B GT CUT FROM FULL LOAD TO FSNL DUE TO DWATT TRANSDUCER FAILURE
0083	RS	06/24/2005 18:27	06/25/2005 07:19	12.87	0.00	0.00	0000	RESERVE SHUTDOWN
0084	RS	06/25/2005 21:59	06/26/2005 07:12	9.22	0.00	0.00	0000	RESERVE SHUTDOWN
0085	RS	06/26/2005 22:34	06/27/2005 06:14	7.67	0.00	0.00	0000	RESERVE SHUTDOWN
0086	RS	06/27/2005 23:10	06/28/2005 05:53	6.72	0.00	0.00	0000	RESERVE SHUTDOWN
0087	RS	06/28/2005 23:23	06/29/2005 06:01	6.63	0.00	0.00	0000	RESERVE SHUTDOWN
0088	RS	06/29/2005 22:39	06/30/2005 05:54	7.25	0.00	0.00	0000	RESERVE SHUTDOWN
0089	RS	07/01/2005 00:42	07/01/2005 07:13	6.52	0.00	0.00	0000	RESERVE SHUTDOWN
0090	RS	07/02/2005 00:17	07/02/2005 08:18	8.02	0.00	0.00	0000	RESERVE SHUTDOWN
0091	RS	07/03/2005 00:59	07/03/2005 07:17	6.30	0.00	0.00	0000	RESERVE SHUTDOWN
0092	RS	07/03/2005 23:04	07/04/2005 07:11	8.12	0.00	0.00	0000	RESERVE SHUTDOWN
0093	RS	07/04/2005 22:55	07/05/2005 06:09	7.23	0.00	0.00	0000	RESERVE SHUTDOWN
0094	RS	07/05/2005 22:11	07/06/2005 07:03	8.87	0.00	0.00	0000	RESERVE SHUTDOWN
0095	RS	07/06/2005 22:40	07/07/2005 06:11	7.52	0.00	0.00	0000	RESERVE SHUTDOWN
0096	RS	07/07/2005 20:58	07/08/2005 07:51	10.88	0.00	0.00	0000	RESERVE SHUTDOWN
0097	RS	07/08/2005 19:56	07/12/2005 04:28	80.53	0.00	0.00	0000	RESERVE SHUTDOWN
0098	RS	07/12/2005 21:36	07/13/2005 07:23	9.78	0.00	0.00	0000	RESERVE SHUTDOWN
0099	RS	07/13/2005 22:42	07/14/2005 06:16	7.57	0.00	0.00	0000	RESERVE SHUTDOWN
0100	RS	07/14/2005 22:16	07/15/2005 07:06	8.83	0.00	0.00	0000	RESERVE SHUTDOWN
0101	RS	07/15/2005 22:20	07/16/2005 08:14	9.90	0.00	0.00	0000	RESERVE SHUTDOWN
0102	RS	07/16/2005 22:35	07/17/2005 06:29	7.90	0.00	0.00	0000	RESERVE SHUTDOWN
0103	RS	07/17/2005 21:25	07/18/2005 06:22	8.95	0.00	0.00	0000	RESERVE SHUTDOWN
0104	U1	08/05/2005 05:53	08/05/2005 06:50	0.95	100.00	456.95	9020	LIGHTNING; 4160 VOLT BUS LOADS STRIP DUE TO LIGHTNING
0105	RS	08/07/2005 00:37	08/07/2005 09:17	8.67	0.00	0.00	0000	RESERVE SHUTDOWN
0106	RS	08/07/2005 21:48	08/08/2005 05:17	7.48	0.00	0.00	0000	RESERVE SHUTDOWN
0107	RS	08/09/2005 23:58	08/10/2005 06:56	6.97	0.00	0.00	0000	RESERVE SHUTDOWN
0108	RS	08/10/2005 22:32	08/11/2005 07:03	8.52	0.00	0.00	0000	RESERVE SHUTDOWN
0109	RS	08/11/2005 23:24	08/12/2005 05:02	5.63	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0110	RS	08/13/2005 00:05	08/13/2005 07:01	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0111	D1	08/13/2005 15:13	08/13/2005 15:40	0.45	49.69	107.55	5160	COOLING AND SEAL AIR SYSTEM; B GT EXHAUST BLOWER TROUBLE. CUT FROM FULL PRESSURE TO FULL SPEED NO LOAD(FSNL)
0112	RS	08/13/2005 23:30	08/14/2005 07:12	7.70	0.00	0.00	0000	RESERVE SHUTDOWN
0113	RS	08/14/2005 23:09	08/15/2005 07:18	8.15	0.00	0.00	0000	RESERVE SHUTDOWN
0114	RS	08/20/2005 00:18	08/20/2005 07:23	7.08	0.00	0.00	0000	RESERVE SHUTDOWN
0115	RS	08/21/2005 01:31	08/21/2005 08:27	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0116	RS	08/25/2005 21:13	08/26/2005 04:36	7.38	0.00	0.00	0000	RESERVE SHUTDOWN
0117	D1	08/26/2005 04:36	08/26/2005 09:36	5.00	33.06	795.00	0541	COLD REHEAT STEAM PIPING UP TO BOILER; COLD REHEAT LINE LEAK AT IP BY-PASS CONNECTION "T".
0118	RS	08/26/2005 22:21	08/27/2005 07:29	9.13	0.00	0.00	0000	RESERVE SHUTDOWN
0119	RS	08/28/2005 00:36	08/28/2005 07:30	6.90	0.00	0.00	0000	RESERVE SHUTDOWN
0120	RS	08/29/2005 23:01	08/30/2005 05:01	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0121	RS	08/30/2005 22:42	08/31/2005 06:52	8.17	0.00	0.00	0000	RESERVE SHUTDOWN
0122	RS	09/01/2005 00:04	09/01/2005 07:22	7.30	0.00	0.00	0000	RESERVE SHUTDOWN
0123	RS	09/01/2005 23:00	09/02/2005 06:19	7.32	0.00	0.00	0000	RESERVE SHUTDOWN
0124	RS	09/02/2005 23:15	09/04/2005 07:18	32.05	0.00	0.00	0000	RESERVE SHUTDOWN
0125	RS	09/04/2005 22:05	09/05/2005 07:02	8.95	0.00	0.00	0000	RESERVE SHUTDOWN
0126	RS	09/05/2005 21:29	09/06/2005 06:59	9.50	0.00	0.00	0000	RESERVE SHUTDOWN
0127	RS	09/06/2005 22:09	09/07/2005 08:12	10.05	0.00	0.00	0000	RESERVE SHUTDOWN
0128	RS	09/07/2005 21:55	09/08/2005 07:56	10.02	0.00	0.00	0000	RESERVE SHUTDOWN
0129	RS	09/08/2005 21:19	09/09/2005 07:15	9.93	0.00	0.00	0000	RESERVE SHUTDOWN
0130	RS	09/09/2005 23:54	09/10/2005 09:08	9.23	0.00	0.00	0000	RESERVE SHUTDOWN
0131	RS	09/10/2005 23:09	09/11/2005 07:08	7.98	0.00	0.00	0000	RESERVE SHUTDOWN
0132	RS	09/13/2005 22:50	09/14/2005 08:22	9.53	0.00	0.00	0000	RESERVE SHUTDOWN
0133	RS	09/14/2005 23:28	09/15/2005 06:06	6.63	0.00	0.00	0000	RESERVE SHUTDOWN
0134	RS	09/15/2005 23:01	09/16/2005 06:07	7.10	0.00	0.00	0000	RESERVE SHUTDOWN
0135	RS	09/17/2005 00:53	09/17/2005 07:38	6.75	0.00	0.00	0000	RESERVE SHUTDOWN
0136	RS	09/18/2005 00:39	09/18/2005 08:25	7.77	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0138	SF	09/18/2005 08:25	09/18/2005 09:15	0.83	100.00	400.83	5130	STARTING SYSTEM (INCLUDING MOTOR); LCI TRIPPED DURING STARTUP DUE TO COOLING TANK LEVEL SWITCH
0137	RS	09/18/2005 22:50	09/19/2005 04:56	6.10	0.00	0.00	0000	RESERVE SHUTDOWN
0139	RS	09/21/2005 00:59	09/21/2005 07:52	6.88	0.00	0.00	0000	RESERVE SHUTDOWN
0140	RS	09/21/2005 23:44	09/22/2005 05:43	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0141	RS	09/22/2005 22:41	09/23/2005 06:57	8.27	0.00	0.00	0000	RESERVE SHUTDOWN
0142	RS	09/24/2005 00:32	09/24/2005 07:57	7.42	0.00	0.00	0000	RESERVE SHUTDOWN
0143	RS	09/24/2005 23:38	09/25/2005 08:59	9.35	0.00	0.00	0000	RESERVE SHUTDOWN
0144	RS	09/26/2005 00:06	09/26/2005 06:10	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0145	RS	09/26/2005 23:07	09/27/2005 03:57	4.83	0.00	0.00	0000	RESERVE SHUTDOWN
0146	RS	09/27/2005 22:08	09/28/2005 06:33	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0147	RS	09/28/2005 21:49	09/29/2005 06:04	8.25	0.00	0.00	0000	RESERVE SHUTDOWN
0148	RS	09/29/2005 23:29	09/30/2005 11:49	12.33	0.00	0.00	0000	RESERVE SHUTDOWN
0149	U1	09/30/2005 12:12	09/30/2005 13:30	1.30	100.00	625.30	6161	HP STARTUP BYPASS SYSTEM VALVES; COLD REHEAT PIPING WATER HAMMER DUE TO LEAKING "B" HP BYPASS SPRAY VALVE
0150	RS	09/30/2005 22:35	10/01/2005 09:12	10.62	0.00	0.00	0000	RESERVE SHUTDOWN
0151	RS	10/01/2005 21:13	10/02/2005 08:06	10.88	0.00	0.00	0000	RESERVE SHUTDOWN
0152	RS	10/02/2005 21:15	10/03/2005 05:08	7.88	0.00	0.00	0000	RESERVE SHUTDOWN
0153	RS	10/03/2005 21:55	10/04/2005 05:31	7.60	0.00	0.00	0000	RESERVE SHUTDOWN
0154	RS	10/04/2005 21:34	10/05/2005 03:46	6.20	0.00	0.00	0000	RESERVE SHUTDOWN
0155	MO	10/06/2005 00:45	10/08/2005 19:34	66.82	100.00	32,138.82	5022	COMPRESSOR LP BLADES/BUCKETS; "A" G.T. R-0 BLADE INSPECTION, WATERWASH G.T. S, MISC. HRSG VALVE REPAIRS
0156	D4	10/08/2005 19:34	10/08/2005 22:32	2.97	33.06	471.70	5022	COMPRESSOR LP BLADES/BUCKETS; "B" G.T. R-0 INSPECTION
0157	RS	10/08/2005 19:34	10/09/2005 04:21	8.78	0.00	0.00	0000	RESERVE SHUTDOWN
0158	D1	10/09/2005 09:45	10/09/2005 12:35	2.83	33.06	450.50	6160	HP STARTUP BYPASS SYSTEM PIPING (INCLUDING DRAIN LINES UP TO HEATERS OR CONDENSER) - GREATER THAN 600 PSIG; SHUTDOWN 3A G.T. DUE TO COLD REHEAT LINE WATER HAMMER.
0159	RS	10/09/2005 20:30	10/10/2005 04:44	8.23	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0160	RS	10/10/2005 23:23	10/11/2005 06:24	7.02	0.00	0.00	0000	RESERVE SHUTDOWN
0161	RS	10/11/2005 23:25	10/12/2005 06:14	6.82	0.00	0.00	0000	RESERVE SHUTDOWN
0162	RS	10/12/2005 20:31	10/13/2005 07:38	11.12	0.00	0.00	0000	RESERVE SHUTDOWN
0163	RS	10/13/2005 22:58	10/14/2005 07:03	8.08	0.00	0.00	0000	RESERVE SHUTDOWN
0164	RS	10/14/2005 21:43	10/15/2005 08:00	10.28	0.00	0.00	0000	RESERVE SHUTDOWN
0165	RS	10/15/2005 21:55	10/16/2005 06:50	8.92	0.00	0.00	0000	RESERVE SHUTDOWN
0166	RS	10/16/2005 20:49	10/17/2005 05:04	8.25	0.00	0.00	0000	RESERVE SHUTDOWN
0167	RS	10/17/2005 21:42	10/18/2005 03:45	6.05	0.00	0.00	0000	RESERVE SHUTDOWN
0168	D1	10/18/2005 04:43	10/18/2005 07:49	3.10	33.89	505.30	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE VIBRATION DURING STARTUP.
0169	RS	10/18/2005 20:43	10/19/2005 08:05	11.37	0.00	0.00	0000	RESERVE SHUTDOWN
0170	RS	10/19/2005 23:05	10/20/2005 05:33	6.47	0.00	0.00	0000	RESERVE SHUTDOWN
0171	RS	10/20/2005 22:32	10/21/2005 06:02	7.50	0.00	0.00	0000	RESERVE SHUTDOWN
0172	RS	10/21/2005 21:17	10/22/2005 06:46	9.48	0.00	0.00	0000	RESERVE SHUTDOWN
0173	RS	10/22/2005 21:51	10/24/2005 01:42	27.85	0.00	0.00	0000	RESERVE SHUTDOWN
0174	RS	10/24/2005 22:10	10/25/2005 03:57	5.78	0.00	0.00	0000	RESERVE SHUTDOWN
0175	RS	10/25/2005 21:50	10/26/2005 02:36	4.77	0.00	0.00	0000	RESERVE SHUTDOWN
0176	RS	10/27/2005 22:25	10/30/2005 01:38	51.22	0.00	0.00	0000	RESERVE SHUTDOWN
0177	RS	10/30/2005 21:41	10/31/2005 02:56	5.25	0.00	0.00	0000	RESERVE SHUTDOWN
0178	RS	10/31/2005 19:16	11/01/2005 03:13	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0179	RS	11/08/2005 23:11	11/09/2005 05:01	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0180	RS	11/09/2005 23:19	11/10/2005 06:14	6.92	0.00	0.00	0000	RESERVE SHUTDOWN
0181	RS	11/10/2005 23:04	11/11/2005 05:08	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0182	RS	11/11/2005 15:35	11/12/2005 00:00	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0183	MO	11/12/2005 00:00	11/12/2005 17:57	17.95	100.00	9,531.45	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; INSTALL BALANCE WEIGHTS IN HP/IP TURBINE ROTOR

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0188	MO	11/12/2005 21:30	11/13/2005 18:27	20.95	100.00	11,124.45	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REMOVE BALANCE WEIGHTS ON HP/IP TURBINE ROTOR.
0184	RS	11/14/2005 22:18	11/15/2005 04:40	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0185	RS	11/23/2005 23:51	11/28/2005 00:02	96.18	0.00	0.00	0000	RESERVE SHUTDOWN
0186	RS	11/28/2005 22:09	11/29/2005 08:01	9.87	0.00	0.00	0000	RESERVE SHUTDOWN
0187	U1	11/30/2005 15:39	11/30/2005 17:23	1.73	100.00	920.40	3664	4000-7000 VOLT PROTECTION DEVICES; 4160 VOLT BREAKER FAILURE TRIP SCHEME INITIATED WHILE TESTING CONTACTOR.
0189	RS	12/01/2005 21:51	12/02/2005 00:01	2.17	0.00	0.00	0000	RESERVE SHUTDOWN
0190	MO	12/02/2005 00:01	12/15/2005 17:04	329.05	100.00	174,725.55	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; INSPECT TURBINE BEARINGS AND PERFORM BALANCE SHOT.
0191	D4	12/15/2005 17:04	12/15/2005 22:51	5.78	33.90	1,041.00	5261	GAS TURBINE COMPRESSOR WASHING; WATERWASHING "A" GT AFTER INSPECTION
0192	MO	12/15/2005 22:51	12/16/2005 07:19	8.47	100.00	4,495.80	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE SHOT INSTALLED
0193	D4	12/16/2005 07:19	12/16/2005 13:07	5.80	33.90	1,044.00	4619	OTHER HYDROGEN SYSTEM PROBLEMS; PURGING "A" GT AFTER OUTAGE REPAIRS
0194	U1	12/20/2005 16:45	12/21/2005 12:11	19.43	100.00	10,319.10	3972	DCS - HARDWARE PROBLEMS (INCLUDING CARD FAILURE); LOSS OF DCS COMMUNICATION CAUSED CIRCULATING WATER PUMPS TO TRIP.
0195	U1	12/21/2005 12:25	12/21/2005 13:12	0.78	100.00	415.95	0830	DOORS; "A" HP DRUM DOOR GASKET LEAK
0196	D1	12/21/2005 13:12	12/22/2005 02:22	13.17	33.90	2,370.00	0830	DOORS; "A" HP DRUM DOOR GASKETS LEAKING.
0197	RS	12/22/2005 23:38	01/01/2006 00:00	216.37	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2005 00:00	01/27/2005 07:00	631.00	0.00	0.00	0000	RESERVE SHUTDOWN
0002	MO	01/27/2005 07:00	01/30/2005 22:02	87.03	100.00	3,481.33	4609	OTHER EXCITER PROBLEMS; REBUILT EXCITER
0003	RS	01/30/2005 22:02	01/31/2005 08:32	10.50	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	01/31/2005 09:34	02/11/2005 10:22	264.80	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0005	RS	02/11/2005 11:23	03/14/2005 07:00	739.62	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0006	MO	03/14/2005 07:00	03/17/2005 20:07	85.12	100.00	3,404.67	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); BREAKER MAINTENANCE (2936)
0007	RS	03/17/2005 20:07	03/21/2005 14:21	90.23	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0008	RS	03/21/2005 15:29	05/05/2005 11:01	1074.53	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0009	NC	04/04/2005 10:38	05/20/2005 00:00	1093.37	0.00	0.00	5530	STARTING SYSTEM (INCLUDING MOTOR); DIAPHRAM TO AIR STARTING REGULATOR IS BLOWN.
0010	RS	05/05/2005 12:02	05/25/2005 13:13	481.18	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	05/25/2005 14:39	07/07/2005 15:08	1032.48	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	07/07/2005 15:30	07/13/2005 09:04	137.57	0.00	0.00	0000	RESERVE SHUTDOWN
0013	D1	07/13/2005 09:04	07/13/2005 09:52	0.80	50.00	12.80	5650	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; LOCKOUT RELAY TRIPPED ON ENGINE "B"
0014	RS	07/13/2005 09:52	07/13/2005 11:00	1.13	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0015	RS	07/13/2005 11:31	07/15/2005 13:23	49.87	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0016	RS	07/15/2005 14:12	07/27/2005 11:28	285.27	0.00	0.00	0000	RESERVE SHUTDOWN
0017	RS	07/27/2005 11:57	08/05/2005 10:49	214.87	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN
0018	RS	08/05/2005 11:53	08/11/2005 11:08	143.25	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0019	RS	08/11/2005 12:28	08/12/2005 11:11	22.72	0.00	0.00	0000	RESERVE SHUTDOWN
0020	RS	08/12/2005 11:24	08/12/2005 14:34	3.17	0.00	0.00	0000	RESERVE SHUTDOWN
0021	RS	08/12/2005 14:52	08/26/2005 10:44	331.87	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	08/26/2005 11:15	08/31/2005 15:11	123.93	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	08/31/2005 15:58	09/01/2005 14:42	22.73	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	RS	09/01/2005 15:13	09/03/2005 14:07	46.90	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0026	RS	09/03/2005 20:49	09/04/2005 14:57	18.13	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0027	SF	09/04/2005 14:57	09/05/2005 05:02	14.08	100.00	450.67	5510	LUBE OIL SYSTEM; "B" ENGINE LOCK OUT RELAY LOW LUBE OIL PRESSURE
0028	RS	09/05/2005 05:02	09/07/2005 13:56	56.90	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0029	RS	09/07/2005 14:27	09/09/2005 09:24	42.95	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0030	RS	09/09/2005 11:39	09/09/2005 13:32	1.88	0.00	0.00	0000	RESERVE SHUTDOWN
0031	RS	09/09/2005 14:54	09/11/2005 03:30	36.60	0.00	0.00	0000	RESERVE SHUTDOWN
0032	U1	09/11/2005 03:30	09/11/2005 12:00	8.50	100.00	272.00	3634	400-700 VOLT PROTECTION DEVICES; LOSS OF STATION SERVICE.
0033	RS	09/11/2005 12:00	09/21/2005 14:00	242.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0035	RS	09/21/2005 14:43	10/12/2005 11:10	500.45	0.00	0.00	0000	RESERVE SHUTDOWN
0036	RS	10/12/2005 11:37	11/16/2005 08:48	838.18	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	11/16/2005 09:35	11/30/2005 12:58	339.38	0.00	0.00	0000	RESERVE SHUTDOWN
0038	RS	11/30/2005 13:46	12/08/2005 13:04	191.30	0.00	0.00	0000	RESERVE SHUTDOWN
0039	RS	12/08/2005 13:52	12/29/2005 15:12	505.33	0.00	0.00	0000	RESERVE SHUTDOWN; BLACK START
0040	RS	12/29/2005 15:59	01/01/2006 00:00	56.02	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST START

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D2	01/27/2005 22:10	01/27/2005 22:27	0.28	17.12	24.93	0250	PULVERIZER FEEDERS; CLEAN B FEEDER CLEAN OUT CHAIN.
0002	D1	02/09/2005 10:03	02/09/2005 13:20	3.28	12.45	210.13	0310	PULVERIZER MILLS; E MILL OUT FOR MAINT REPAIR AND LIMIT LOAD.
0003	D1	02/19/2005 11:33	02/19/2005 12:37	1.07	99.22	544.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); BOILER TRIP ON LOW DEAREATOR LEVEL REASON UNKNOWN
0004	D1	02/22/2005 08:55	02/22/2005 08:59	0.07	13.62	4.67	9910	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN TRIPPED 1C MCC AND LOST B - D FEEDERS.
0005	D4	03/03/2005 11:03	03/03/2005 13:54	2.85	26.07	381.90	3502	HEATER LEVEL CONTROL; MAINT WORK ON #4 HEATER DRAIN CONTROLS.
0006	D4	03/04/2005 10:35	03/04/2005 11:00	0.42	26.07	55.83	3502	HEATER LEVEL CONTROL; MAINT TEST #4 HEATER DRAIN CONTROLS
0007	D4	03/07/2005 11:00	03/07/2005 13:30	2.50	26.07	335.00	3522	HP EXTRACTION STEAM INSTRUMENTS AND CONTROLS; MAINT WORKING ON #7A HEATER EXT VALVE CONTROLS
0008	D1	03/08/2005 09:05	03/08/2005 11:39	2.57	99.42	1,311.57	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; BACKING OUT 1B BFPT AND LOSS DEAREATOR LEVEL DUE TO FEEDPUMP TURBINE CONTROLS PROBLEM.
0014	U1	03/08/2005 11:39	03/08/2005 14:04	2.42	100.00	1,242.17	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 1-B BFPT CONTROL FAIL AND WOULD NOT ROLL OFF.
0009	D1	03/08/2005 15:54	03/08/2005 19:00	3.10	30.35	483.60	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 1B BFPT WONT GO THROUGH CRITICAL AND LIMIT LOAD.
0010	D1	03/09/2005 14:59	03/09/2005 15:32	0.55	4.67	13.20	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 1B BFPT PROBLEM CONT. TO LIMIT LOAD.
0011	D4	03/10/2005 01:20	03/10/2005 01:37	0.28	46.50	67.72	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; CUT LOAD TO CHANGE OIL FILTER ON 1-B BFPT
0012	D4	03/11/2005 00:15	03/11/2005 01:12	0.95	49.42	241.30	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; CUT LOAD TO CHANGE OIL FILTER ON 1-A BFPT

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	D1	03/11/2005 13:50	03/11/2005 15:03	1.22	45.53	284.70	3430	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE; 1B BFPT LP CONTROL VALVE PROBLEM LIMIT LOAD.
0015	D1	03/14/2005 05:00	03/14/2005 05:18	0.30	99.03	152.70	3330	CONDENSATE VALVES; LOW CONDENSATE FLOW THROUGH VALVE CAUSED LOW DEAREATOR LEVEL BFPT RUNBACK.
0016	D1	03/14/2005 05:24	03/14/2005 06:00	0.60	97.08	299.40	9900	OPERATOR ERROR; HIGH HOTWELL LEVEL CAUSED 1-A BFPT RUPTURE DISC AND LIMIT LOAD.
0017	U2	03/14/2005 06:00	03/14/2005 15:53	9.88	100.00	5,080.03	3416	OTHER FEEDWATER PUMP PROBLEMS; OPERATOR DECIDED TO TRIP THE UNIT FOR 1-A BFPT EXHAUST RUPTURE DISC REPAIR.
0018	D4	03/16/2005 22:30	03/17/2005 00:24	1.90	47.47	463.60	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; MAINT. TEST A-B BFPT TO FIND PROBLEM.
0019	D1	03/17/2005 00:24	03/17/2005 01:13	0.82	99.03	415.68	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; A BFPT TRIP ON H.P. OIL PROBLEM WHILE TESTING CAUSED BOILER TRIP.
0020	D4	03/19/2005 19:30	03/19/2005 20:40	1.17	26.07	156.33	3210	CIRCULATING WATER PUMPS; MAINT. TEST A-B CIRC. WATER PUMPS.
0021	D4	03/20/2005 10:50	03/20/2005 11:07	0.28	18.68	27.20	3210	CIRCULATING WATER PUMPS; CUT LOAD TO REMOVE FROM SERVICE AND INSPECT 1-B CIRC. WATER PUMP
0022	D4	03/24/2005 21:00	03/24/2005 23:00	2.00	14.01	144.00	0310	PULVERIZER MILLS; OPERATOR CUT LOAD FOR MAINT. TO SET ROLLER RING CLEARANCE ON E MILL.
0023	D1	03/25/2005 15:20	03/25/2005 15:40	0.33	6.23	10.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0024	D1	03/27/2005 08:15	03/27/2005 09:15	1.00	21.79	112.00	0250	PULVERIZER FEEDERS; FOREIGN OBJECT REMOVED FROM B FEEDER AND LIMIT LOAD.
0025	D1	04/01/2005 07:25	04/02/2005 03:24	19.98	75.29	7,733.55	9000	FLOOD; HEAVY RAIN FLOODED COALYARD CAUSING TRUSSLE FEEDER TO CAVE IN CAUSING NO COAL FLOW.
0026	U1	04/02/2005 03:24	04/03/2005 07:14	26.83	100.00	13,792.33	9000	FLOOD; OPERATION AND UTILITYMEN CLEAN TRESSLE AREA FOR COAL TRANSFER TO PLANT
							1000	MAJOR COMPONENT WORKED DURING EVENT; WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK REPAIR WHILE OFF-LINE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0027	D1	04/04/2005 12:15	04/04/2005 14:08	1.88	10.12	97.93	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER WENT POSITIVE AND LIMIT LOAD.
0028	D1	04/07/2005 02:24	04/07/2005 09:08	6.73	45.72	1,582.33	0030	COAL CONVEYORS AND FEEDERS; CONVEYOR SYSTEM FAIL TO START.
0029	D1	04/13/2005 01:36	04/13/2005 02:06	0.50	4.28	11.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); DEAREATOR LEVEL CONTROLLER FAIL AND LIMIT LOAD.
0030	D4	04/14/2005 05:15	04/14/2005 05:31	0.27	14.01	19.20	3210	CIRCULATING WATER PUMPS; REMOVE 1A CIRC. PUMP FOR IMPELLER REPAIR.
0031	D1	04/16/2005 19:00	04/16/2005 19:27	0.45	5.45	12.60	3521	HP EXTRACTION STEAM VALVES; #7 HEATER EXTRACTION STEAM SHUT OFF VALVE FAIL SHUT AND LIMIT LOAD.
0032	D4	04/19/2005 06:00	04/19/2005 07:35	1.58	11.48	93.42	0310	PULVERIZER MILLS; MAINT. WORK ON 1A MILL AND LIMIT LOAD.
0033	D4	05/03/2005 23:30	05/04/2005 05:25	5.92	16.93	514.75	3250	CIRCULATING WATER SYSTEM INSTRUMENTS AND CONTROLS; MAINT. INSTALLED PROXIMITY PROBES ON 1A - 1B CIRC. WATER PUMP MOTORS AND LIMIT LOAD.
0034	D4	05/09/2005 22:30	05/10/2005 02:00	3.50	12.06	217.00	3210	CIRCULATING WATER PUMPS; 1A CIRC WATER PUMP OUT TO MAINT.
0035	D4	05/11/2005 18:45	05/15/2005 09:35	86.83	17.12	7,641.33	3210	CIRCULATING WATER PUMPS; 1B CIRC WATER PUMP OUT TO MAINT.
0036	MO	06/02/2005 22:17	06/05/2005 15:14	64.95	100.00	33,384.30	1180	ECONOMIZER SLAGGING & FOULING; ECONOMIZER CLEANING DUE TO CLINKER BUILD-UP.
							4611	MAJOR COMPONENT WORKED DURING EVENT; HYDROGEN COOLERS; RETUBE AND INSTALL H2 COOLER
0037	D1	06/05/2005 15:25	06/05/2005 16:32	1.12	99.03	568.38	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP ON HIGH FURNACE SEVERAL TIMES AND LIMIT LOAD.
0038	D2	06/05/2005 21:40	06/06/2005 00:50	3.17	47.47	772.67	3416	OTHER FEEDWATER PUMP PROBLEMS; CUTTING LOAD DUE TO 1-A BFP VIBRATION HIGH.
0039	D2	06/11/2005 02:45	06/11/2005 03:20	0.58	7.39	22.17	0250	PULVERIZER FEEDERS; OPERATOR CUT LOAD TO CLEAN B&C FEEDERS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0040	D1	06/29/2005 10:31	06/29/2005 11:00	0.48	9.92	24.65	0250	PULVERIZER FEEDERS; 1-B FEEDER PLUGGED AND LIMIT LOAD. REMOVED PIECE OF LAGGING.
0041	U2	07/01/2005 13:26	07/03/2005 07:56	42.50	100.00	21,845.00	1050	SECOND SUPERHEATER TUBE LEAKS; FINAL SUPERHEATER TUBE LEAK REPAIR
0042	D1	07/05/2005 23:39	07/06/2005 00:15	0.60	18.48	57.00	0250	PULVERIZER FEEDERS; REMOVE PIECE OF CONCRETE FROM 1B FEEDER AND LIMIT LOAD.
0043	D3	07/06/2005 05:40	07/06/2005 08:30	2.83	35.80	521.33	0030	COAL CONVEYORS AND FEEDERS; CONVEYOR SYSTEM FAIL. ELECTRICAL PROBLEMS PREVENT SYSTEM START. OPERATOR LIMIT LOAD.
0044	D4	07/06/2005 08:30	07/06/2005 09:20	0.83	64.98	278.33	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; MAINT. CHANGE OUT DIRTY OIL IN 1B ID FAN MOTOR AND LIMIT LOAD.
0045	D1	07/06/2005 09:20	07/06/2005 10:25	1.08	99.61	554.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL SWING TRIP BOLIER WHILE TAKING OUT 1-A ID & FD FANS.
0046	D4	07/06/2005 10:31	07/06/2005 13:55	3.40	64.98	1,135.60	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 1-A ID FAN LIMIT CONTINUE TO CHANGE OUT DIRTY OIL IN MOTOR.
0047	D4	07/10/2005 00:20	07/10/2005 01:20	1.00	16.93	87.00	0310	PULVERIZER MILLS; MAINT INSPECT 1-E MILL AND LIMIT LOAD.
0048	RS	07/10/2005 08:55	07/10/2005 15:49	6.90	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT 1 SEPARATED FROM THE LINE FOR HURRICANE DENNIS AS AN ISLAND READY TO GO.
0049	D1	07/24/2005 07:40	07/24/2005 08:20	0.67	26.07	89.33	0250	CONTRIBUTED TO PRIMARY CAUSE; HURRICANE; PULVERIZER FEEDERS; 1D FEEDER JAMMED.
0050	D1	07/24/2005 20:00	07/24/2005 21:30	1.50	15.76	121.50	3521	REMOVED PIECE OF CONCRETE FROM FEEDER. HP EXTRACTION STEAM VALVES; #7 HEATER EXTRACTION WENT CLOSED AND LIMIT LOAD.
0051	U1	08/10/2005 11:30	08/10/2005 13:32	2.03	100.00	1,045.13	9920	CONTRACTOR ERROR; CONTRACTOR SHORTED 208 VOLT SYSTEM AND TRIPPED DANIEL 1.
0052	D1	08/22/2005 22:45	08/22/2005 23:40	0.92	17.70	83.42	0250	PULVERIZER FEEDERS; 1E FEEDER BELT REPLACEMENT REDUCED LOAD.
0053	D1	08/22/2005 23:40	08/22/2005 23:51	0.18	43.77	41.25	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; 1A BFP #1 OIL PUMP TRIP AND LIMIT LOAD. OPER STARTED #2 PUMP.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0054	D1	08/22/2005 23:51	08/23/2005 02:15	2.40	20.82	256.80	0250	PULVERIZER FEEDERS; 1A FEEDER BELT REPLACEMENT CONT.
0055	D4	08/27/2005 08:30	08/27/2005 09:15	0.75	4.28	16.50	0335	PULVERIZER LUBE OIL SYSTEM; MAINT REPAIR D MILL OIL LEAK.
0056	RS	08/29/2005 04:28	08/29/2005 13:12	8.73	0.00	0.00	0000	RESERVE SHUTDOWN
0068	U1	08/29/2005 13:12	09/05/2005 07:45	162.55	100.00	83,550.70	9035	CONTRIBUTED TO PRIMARY CAUSE; HURRICANE; HURRICANE KATRINA ISLAND OPERATION, LOSS OF TRANSMISSION.
0057	D1	09/05/2005 16:45	09/06/2005 00:05	7.33	7.98	300.67	0250	PULVERIZER FEEDERS; IB FEEDER TRIP. REPLACED BELT AND LIMIT LOAD.
0058	MO	09/09/2005 22:50	09/10/2005 16:05	17.25	100.00	8,866.50	3620	MAIN TRANSFORMER; UNIT OFF-LINE TO INSPECT MAIN X-FORMER COMBUSTION GAS DETECTION ALARM AT CC REQUEST.
0059	D1	09/10/2005 23:30	09/11/2005 00:13	0.72	99.22	365.50	3410	FEEDWATER PUMP; 1A BFP TRIP CAUSING BOILER TRIP ON LOW DRUM LEVEL.
0060	U2	09/11/2005 05:01	09/11/2005 20:40	15.65	100.00	8,044.10	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); NE DRUM SAFETY LEAK REPAIR.
0061	D1	09/11/2005 21:47	09/11/2005 22:14	0.45	98.64	228.15	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); BOILER TRIP DUE TO A-BFP PROBLEM CONTINUE.
0062	D1	09/12/2005 21:22	09/12/2005 22:25	1.05	98.64	532.35	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); 1A BFP TRIP AND BOILER TRIP ON LOW DRUM LEVEL.
0063	D1	09/12/2005 23:19	09/13/2005 00:02	0.72	99.22	365.50	1455	INDUCED DRAFT FANS; 1-A ID FAN TRIP AND LIMIT LOAD.
0064	U2	09/14/2005 00:02	09/14/2005 01:56	1.90	100.00	976.60	1455	INDUCED DRAFT FANS; UNIT OFF-LINE DUE TO 1-A ID FAN TRIP
0065	D4	09/15/2005 07:00	09/16/2005 23:30	40.50	35.80	7,452.00	3620	MAIN TRANSFORMER; SUB-STATION TESTING
0066	MO	09/16/2005 23:37	09/19/2005 10:15	58.63	100.00	30,137.53	3620	MAIN TRANSFORMER FOR COMBUSTABLE GASES. MAIN TRANSFORMER; REPLACED CONTACTS ON CHARGER ON MAIN TRANSFORMER.
0067	D3	09/25/2005 06:28	09/25/2005 08:10	1.70	37.74	329.80	3814	SERVICE WATER SYSTEM FOULING; 1-B GENERAL SERVICE WATER PUMP FAIL TO PRIME, REDUCED LOAD TO PRIME PUMP.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0069	U2	10/14/2005 02:41	10/15/2005 06:56	28.25	100.00	14,520.50	1070	SECOND REHEATER TUBE LEAKS; UNIT OFF-LINE TO REPAIR SECOND REHEATER TUBE LEAK.
0070	D1	10/21/2005 09:49	10/21/2005 10:03	0.23	16.93	20.30	1710	COMBUSTION / STEAM CONDITION CONTROLS; B AIR FLOW TEMP TRANSMITTER FAIL, FANS DROPPED TO MANUEL AND LIMIT LOAD.
0071	D1	10/26/2005 03:30	10/26/2005 03:42	0.20	41.63	42.80	0250	PULVERIZER FEEDERS; REMOVED CONCRETE FORM 1C FEEDER AFTER 1C FEEDER TRIP.
0072	D1	10/27/2005 16:00	10/28/2005 02:15	10.25	7.39	389.50	9910	MAINTENANCE PERSONNEL ERROR; WHILE IN FOUR MILL OPERATION COAL HANDLER PUT PRB COAL IN 1`C` BUNKER BY MISTAKE.
0073	PO	10/29/2005 03:38	12/17/2005 22:48	1196.17	100.00	614,829.67	1340	TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REMOVE AND REPLACE PLATEN SUPERHEATER
							1340	CONTRIBUTED TO PRIMARY CAUSE; TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REMOVE AND REPLACE FIRST SUPERHEATER
							1340	CONTRIBUTED TO PRIMARY CAUSE; TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REMOVE AND REPLACE SECOND SUPERHEATER.
0076	D2	12/16/2005 23:23	12/17/2005 15:55	16.53	6.81	0.00	0344	PULVERIZER INSPECTION; MAINT INSPECT 2 E MILL AND LIMIT LOAD.
0077	D1	12/17/2005 15:55	12/17/2005 20:30	4.58	15.37	0.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0074	D1	12/19/2005 21:15	12/19/2005 23:25	2.17	14.79	164.67	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; MAANT. UNPLUG 1B MILL PYRITE SHUTE
0075	D2	12/20/2005 08:34	12/20/2005 15:23	6.82	21.60	756.65	0344	PULVERIZER INSPECTION; 1B MILL INSPECTION LIMIT LOAD.
0078	D4	12/23/2005 12:30	12/23/2005 14:30	2.00	46.11	474.00	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; MAINT. CHANGE OUT 1-B BFT HP FILTER AND LIMIT LOAD.
0079	D4	12/28/2005 09:58	12/28/2005 11:22	1.40	43.19	310.80	4283	LUBE OIL SYSTEM VALVES AND PIPING; INTERCEPT VALVE #2 LEAK REPAIR.

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Daniel 2								
0001	D1	01/01/2005 00:00	01/01/2005 03:17	3.28	6.00	98.50	9630	OPACITY; LIMIT LOAD.
0002	D1	01/05/2005 10:10	01/05/2005 16:00	5.83	3.60	105.00	9630	OPACITY; OPACITY HIGH AND LIMIT LOAD.
0003	D1	01/06/2005 01:15	01/06/2005 03:50	2.58	5.20	67.17	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0004	D1	01/06/2005 16:45	01/07/2005 11:05	18.33	3.80	348.33	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0005	D1	01/08/2005 02:35	01/08/2005 19:45	17.17	11.00	944.17	9630	OPACITY; HIGH OPACITY LIMIT LOAD
							0310	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER MILLS; 1-E MILL ROLLER INSPECTION AND REPAIR.
0006	D1	01/08/2005 19:53	01/10/2005 05:05	33.20	15.40	2,556.40	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0007	D1	01/10/2005 05:05	01/12/2005 06:55	49.83	6.80	1,694.33	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0008	D1	01/12/2005 15:05	01/13/2005 19:30	28.42	2.40	341.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0009	D1	01/13/2005 21:20	01/13/2005 23:33	2.22	2.20	24.38	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0010	D1	01/14/2005 00:23	01/14/2005 09:50	9.45	3.40	160.65	9630	OPACITY; HIGH OPACITY LIMIT LOAD
0011	D1	01/15/2005 06:00	01/15/2005 18:00	12.00	4.00	240.00	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0012	D1	01/23/2005 00:25	01/23/2005 01:25	1.00	14.00	70.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; PIECE OF METAL IN 2A MILL PYRITE CHUTE.
0013	D1	01/26/2005 00:10	01/26/2005 01:50	1.67	8.60	71.67	9630	OPACITY; HIGH OPACITY LIMIT LOD.
0014	D4	01/30/2005 09:00	01/30/2005 09:25	0.42	14.80	30.83	3210	CIRCULATING WATER PUMPS; OIL CHANGE ON 2-B CIRC. WATER PUMP LIMIT LOAD.
0015	D2	02/16/2005 01:20	02/16/2005 01:45	0.42	14.20	29.58	0280	PULVERIZER FIRES; 2B MILL FIRE INSPECTION
0016	D1	02/27/2005 04:30	02/27/2005 07:10	2.67	13.60	181.33	0280	PULVERIZER FIRES; FIRE IN 2 B MILL AND LIMIT LOAD.
0017	PO	03/04/2005 15:16	03/04/2005 18:27	3.18	100.00	1,591.67	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE TEST ON TURBINE WHILE HOT AND BEFORE OUTAGE.
0018	PO	03/04/2005 20:41	03/04/2005 22:54	2.22	100.00	1,108.33	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; SECOND BALANCE SHOT
0019	PO	03/05/2005 00:20	03/31/2005 21:56	645.60	100.00	322,800.00	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION AND REPAIR AS NECESSARY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0020	U1	03/31/2005 23:11	04/01/2005 01:16	2.08	100.00	1,041.67	3620	MAIN TRANSFORMER; WHEN OPER SWAPPED FROM SSS TO RSS THE RSS TRANSFORMER FAIL TO CLOSE CAUSED UNIT TRIP.
0031	SF	04/01/2005 01:16	04/01/2005 02:15	0.98	100.00	491.67	9900	OPERATOR ERROR; 6A HEATER VENT LEFT OPEN AND UNIT COULDN'T SEAL DUE TO LOW VACUUM.
0032	SF	04/01/2005 02:15	04/01/2005 22:23	20.13	100.00	10,066.67	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); THRUST BEARING TRIPPED THE TURBINE 3 TIMES DURING START-UP.
0021	D1	04/02/2005 10:00	04/14/2005 07:00	284.00	38.00	53,960.00	1471	INDUCED DRAFT FAN MOTORS - VARIABLE SPEED; 2B ID FAN BURNED UP DUE TO SHORT CAUSED BY HEAVY RAINS. REPLACED INKIND.
0022	D1	04/07/2005 01:30	04/07/2005 09:30	8.00	74.00	1,440.00	0030	COAL CONVEYORS AND FEEDERS; CONVEYOR SYSTEM FAIL TO START.
0023	D1	04/12/2005 15:50	04/12/2005 18:00	2.17	42.40	47.67	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; CUT LOAD TO LOWER AMPS ON 2A ID FAN MOTOR CONTRIBUTED TO PRIMARY CAUSE; INDUCED DRAFT FAN MOTORS AND DRIVES; 2B ID FAN MOTOR OUT FOR REPAIRS
0024	D1	04/13/2005 18:48	04/13/2005 20:15	1.45	99.20	443.70	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 2A ID FAN MOTOR TRIP WHILE BUMP STARTING 2B ID FAN MOTOR INSTILLATION AND BOILER TRIP.
0025	D1	04/14/2005 04:45	04/14/2005 06:51	2.10	99.00	640.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2A ID FAN DAMPERS STUCK CAUSED BOILER TRIP.
0026	D1	04/15/2005 08:23	04/15/2005 08:30	0.12	8.00	4.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; HOD TO CUT LOAD, BOILER POSITIVE.
0027	D4	04/19/2005 14:30	04/19/2005 18:35	4.08	24.00	490.00	0310	PULVERIZER MILLS; MAINT INSP 2E MILL ROLLERS AND LIMIT LOAD.
0028	D4	04/20/2005 00:08	04/20/2005 02:20	2.20	72.00	792.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; MAINT. REPAIR INLET AND OUTLET COOLING WATER VALVES. COULDN'T COMPLETE ON-LINE.
0029	U2	04/20/2005 02:26	04/20/2005 04:20	1.90	100.00	950.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; MAINT REPLACES INLET AND OUTLET COOLING WATER VALVES.
0030	D1	04/25/2005 00:50	04/25/2005 01:15	0.42	2.80	5.83	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH AMPS ON ID FAN LIMIT LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	D4	04/27/2005 05:30	04/27/2005 15:45	10.25	4.80	246.00	0300	PULVERIZER MOTORS AND DRIVES; MAINT REPLACE 2E MILL MOTER DUE TO SWINGING AMPS.
0034	D1	04/30/2005 22:00	05/01/2005 06:00	8.00	20.80	832.00	0310	PULVERIZER MILLS; INSPECT MILL 2E FOR NOISE. FOUND SOUTHWEST JOURNAL LOOSE AND REPAIRED INKIND.
0035	D4	05/03/2005 23:08	05/04/2005 05:21	6.22	12.40	385.43	3250	CIRCULATING WATER SYSTEM INSTRUMENTS AND CONTROLS; MAINT. INSTALLED PROXIMITY PROBES IN 2A - 2B CIRC. WATER PUMP MOTORS AND LIMIT LOAD.
0036	D1	05/16/2005 14:06	05/16/2005 14:54	0.80	18.40	73.60	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 2A MILL PYRITE CHUTE PLUGGED. REMOVED METAL FROM PYRITE CHUTE.
0037	D4	05/28/2005 22:25	05/29/2005 03:28	5.05	54.00	1,363.50	3499	OTHER FEEDWATER SYSTEM PROBLEMS; MAINT. REPAIR 2A BFP PSI TRANSMITTER LINE.
0038	D4	05/31/2005 21:00	06/01/2005 00:25	3.42	54.00	922.50	3499	OTHER FEEDWATER SYSTEM PROBLEMS; MAINT. REPAIR VALVE ON 2A BFP TRANSMITTER LINE.
0039	D1	06/01/2005 05:00	06/01/2005 10:39	5.65	46.00	1,299.50	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2-B BFP HAD BAD QUALITY LP VALVE POSITION ABD LIMIT LOAD.
0040	U1	06/08/2005 20:41	06/09/2005 16:34	19.88	100.00	9,941.67	1090	OTHER TUBE LEAKS; BACK-PASS REAR INLET HEADER LEAK REPAIR.
0041	U1	06/09/2005 17:04	06/09/2005 17:55	0.85	100.00	425.00	3661	4000-7000 VOLT CIRCUIT BREAKERS; R.S.S. FAIL WHILE SWAPPING FROM STARTING STATION SERVICE TO RUNNING STATION SERVICE.
0042	D1	06/09/2005 21:13	06/09/2005 22:20	1.12	99.40	554.98	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; BAD SIGNAL FROM BOILER WATER CIRC. PUMP DIFF. TRIP BOILER AND LIMIT LOAD.
0043	D1	06/13/2005 18:08	06/14/2005 01:05	6.95	12.40	430.90	0250	PULVERIZER FEEDERS; 2B FEEDER PLUGGED, BELT TORN AND REPLACED INKIND.
0044	D1	06/17/2005 11:30	06/17/2005 11:50	0.33	2.00	3.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPERATOR REDUCED LOAD TO SETTLE BOILER SWING AND LIMIT LOAD.
0045	D4	06/19/2005 04:00	06/19/2005 05:00	1.00	3.00	15.00	4293	HYDRAULIC SYSTEM PIPES AND VALVES; MAINT REPAIR EH FLUID LEAK ON #2 GOV. VALVE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0046	D3	07/06/2005 04:40	07/06/2005 10:12	5.53	34.00	940.67	0030	COAL CONVEYORS AND FEEDERS; OPER. LIMIT LOAD DUE TO CONVEYOR FAIL TO START. ELECTRICAL PROBLEMS.
0047	D1	07/12/2005 22:55	07/12/2005 23:55	1.00	2.40	12.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER UPSET LIMIT LOAD. TRANSITION FROM 100% HIGH BTU TO 60/40 BLEND OF PRB.
0048	D4	07/22/2005 23:45	07/23/2005 03:00	3.25	45.00	731.25	3416	OTHER FEEDWATER PUMP PROBLEMS; MAINT CHANGE OUT 2A BFP COOLING WATER VALVE TO UPPER OIL COOLER.
0049	D2	07/24/2005 03:55	07/24/2005 04:25	0.50	16.40	41.00	0310	PULVERIZER MILLS; MAINT INSPECT 2E MILL
0050	D4	07/29/2005 23:22	07/30/2005 08:16	8.90	59.00	2,625.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEAN A SIDE OF THE CONDENSER AT REDUCED LOAD.
0051	D4	07/30/2005 23:34	07/31/2005 07:44	8.17	59.00	2,409.17	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEAN B SIDE OF THE CONDENSER AT REDUCED LOAD.
0052	D4	08/03/2005 00:10	08/03/2005 01:40	1.50	24.00	180.00	0310	PULVERIZER MILLS; MAINT. INSPECT 2E MILL DUE TO PYRITING.
0053	D4	08/26/2005 22:45	08/27/2005 07:30	8.75	57.00	2,493.75	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CUT LOAD TO CLEAN A-SIDE OF THE CONDENSER.
0054	D1	08/27/2005 08:45	08/27/2005 14:00	5.25	49.00	1,286.25	0250	PULVERIZER FEEDERS; E-FEEDER FAIL TO START AND LIMIT LOAD.
0055	D1	08/27/2005 14:45	08/27/2005 15:00	0.25	14.40	18.00	0250	PULVERIZER FEEDERS; D-FEEDER OUT TO MAINT AND LIMIT LOAD.
0056	D4	08/27/2005 23:00	08/28/2005 07:10	8.17	56.00	2,286.67	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); OPERATING AT REDUCED LOAD TO CLEAN B-SIDE OF THE CONDENSER.
0057	D1	08/28/2005 12:00	08/28/2005 13:07	1.12	4.80	26.80	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0058	D1	08/29/2005 04:30	08/29/2005 09:45	5.25	11.00	288.75	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0059	U1	08/29/2005 13:12	09/06/2005 09:19	188.12	100.00	94,058.33	9035	HURRICANE; HURRICANE KATRINA OUTAGE, LOSS OF TRANSMISSION.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0060	D1	09/06/2005 12:11	09/06/2005 14:05	1.90	67.00	636.50	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); C-MILL HOT AIR GATE FAIL TO CLOSE AND LIMIT LOAD.
0061	D1	09/06/2005 14:10	09/06/2005 15:03	0.88	67.00	295.92	0250	PULVERIZER FEEDERS; 2-C FEEDER TRIP ON MOTOR OVERLOAD AND LIMIT LOAD.
0062	D1	09/12/2005 04:30	09/12/2005 06:42	2.20	4.80	52.80	0250	PULVERIZER FEEDERS; 2-E FEEDER FAIL AND LIMIT LOAD.
0063	D4	09/13/2005 07:12	09/13/2005 09:42	2.50	1.40	17.50	0344	PULVERIZER INSPECTION; 2-E MILL OUT FOR MAINT. INSPECTION
0064	D1	09/14/2005 11:55	09/14/2005 12:35	0.67	14.80	49.33	0250	PULVERIZER FEEDERS; REMOVED ROCK FROM 2-E FEEDER.
0065	D1	09/14/2005 13:50	09/14/2005 14:05	0.25	17.40	21.75	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 2-E MILL PYRITING BADLY AND LIMIT LOAD.
0066	D1	09/22/2005 16:34	09/22/2005 16:42	0.13	5.60	3.73	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH AND LIMIT LOAD.
0067	D2	09/25/2005 03:45	09/25/2005 06:00	2.25	1.60	18.00	9270	WET COAL (OMC); WET COAL LIMIT LOAD.
0068	D1	09/29/2005 20:00	09/30/2005 02:00	6.00	3.60	108.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI SWING LIMIT LOAD.
0069	D1	09/30/2005 11:20	09/30/2005 12:10	0.83	1.60	6.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI SWING LIMIT LOAD
0070	D2	09/30/2005 12:10	09/30/2005 12:25	0.25	6.60	8.25	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI SWING LIMIT LOAD.
0071	D1	09/30/2005 12:25	09/30/2005 13:00	0.58	10.40	30.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI SWING LIMIT LOAD.
0072	D1	09/30/2005 14:35	09/30/2005 15:00	0.42	54.00	112.50	0250	PULVERIZER FEEDERS; REMOVE PIPING FROM 2C FEEDER AND LIMIT LOAD.
0073	D1	10/03/2005 15:00	10/03/2005 16:35	1.58	14.40	114.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 2C MILL HOT AIR DAMPER FAIL AND LIMIT LOAD.
0074	D2	10/03/2005 17:30	10/03/2005 19:16	1.77	19.40	171.37	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; REMOVE OBJECT FROM 2A MILL SCRAPER SECTION.
0075	D1	10/04/2005 17:45	10/04/2005 18:45	1.00	3.20	16.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPERATOR CUT LOAD DUE TO AIR FLOW TOO HIGH.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0076	D1	10/05/2005 11:58	10/05/2005 12:18	0.33	4.60	7.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0077	D1	10/08/2005 13:00	10/08/2005 14:00	1.00	3.60	18.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; AIR FLOW PROBLEM LIMIT LOAD.
0078	D4	10/08/2005 13:30	10/08/2005 13:58	0.47	21.00	40.60	0310	PULVERIZER MILLS; MAINT. REPLACE 2E MILL EXPLOSION PANEL.
0079	D1	10/10/2005 16:02	10/10/2005 16:17	0.25	6.80	8.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0080	D1	10/12/2005 11:47	10/12/2005 12:05	0.30	4.20	6.30	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER PSI SWING LIMIT LOAD.
0081	D1	10/14/2005 13:05	10/14/2005 13:25	0.33	3.60	6.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH AIR FLOW LIMIT LOAD.
0082	D1	10/15/2005 12:05	10/15/2005 13:05	1.00	5.60	28.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH AIR FLOW LIMIT LOAD.
0083	D1	10/18/2005 09:48	10/18/2005 12:27	2.65	42.00	556.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; PRESSURE CONTROL PROBLEM LIMIT LOAD.
0084	D1	10/21/2005 12:20	10/21/2005 12:30	0.17	4.80	4.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH LIMIT LOAD.
0085	D1	10/22/2005 22:55	10/22/2005 23:06	0.18	8.80	8.07	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH AIR FLOW LIMIT LOAD.
0086	D1	10/23/2005 06:30	10/23/2005 06:56	0.43	4.80	10.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; HIGH AIR FLOW LIMIT LOAD.
0087	D1	10/24/2005 05:15	10/24/2005 07:15	2.00	24.00	240.00	9610	NOX STACK EMISSIONS; HIGH NOX LOAD LIMIT.
0088	D1	11/08/2005 04:40	11/08/2005 05:00	0.33	2.00	3.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; AIR FLOW PROBLEM LIMIT LOAD.
0089	D1	11/15/2005 08:12	11/15/2005 09:10	0.97	20.00	96.67	0250	PULVERIZER FEEDERS; `E` FEEDER TRIP LIMIT LOAD.
0095	D1	12/04/2005 04:00	12/04/2005 05:00	1.00	40.00	200.00	3632	400-700 VOLT CONDUCTORS AND BUSES; 1A 480 V BUSS FAIL TO SWAP TO STAND-BY CAUSED TEMPORARY LOSS OF POWER ON U2.
0090	D4	12/04/2005 13:36	12/04/2005 14:20	0.73	14.40	52.80	0510	MAIN STEAM RELIEF/SAFETY VALVES OFF SUPERHEATER; MAINT. WORK ON RIGHT HAND SUPERHEAT SAFETY AT REDUCED LOAD.
0091	D2	12/06/2005 18:49	12/06/2005 20:15	1.43	14.40	103.20	0030	COAL CONVEYORS AND FEEDERS; COAL BELT PROBLEM LIMIT LOAD.

Event Listing With All Reported Cause Codes

January 01, 2005 00:00 - January 01, 2006 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0092	D1	12/08/2005 17:25	12/09/2005 04:50	11.42	24.40	1,392.83	0250	PULVERIZER FEEDERS; FEEDER 1E PLUGGING SWITCH FAIL AND TRIPPED FEEDER AND LIMIT LOAD.
0093	D1	12/09/2005 16:30	12/09/2005 17:40	1.17	2.80	16.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0094	D1	12/26/2005 03:05	12/26/2005 03:15	0.17	18.40	15.33	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP AND LIMIT LOAD

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Event Listing With All Reported Cause Codes

January 01, 2006 00:00 - January 01, 2007 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 2								
0001	RS	01/01/2006 00:00	05/01/2006 00:00	2879.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
Crist 3								
0001	RS	01/01/2006 00:00	05/01/2006 00:00	2879.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
Crist 4								
0001	MO	01/16/2006 07:14	01/18/2006 05:10	45.93	100.00	3,582.80	1050	SECOND SUPERHEATER TUBE LEAKS; TUBE LEAK IN PENTHOUSE.
0002	D1	02/13/2006 16:30	02/13/2006 21:42	5.20	39.74	161.20	0880	FLY ASH REMOVAL SYSTEM (NOT PRECIPITATORS, SCRUBBERS, MECHANICAL COLLECTORS, OR BAGHOUSES); ASH VALVE NOT WORKING
0003	PO	02/24/2006 22:35	03/05/2006 14:37	208.03	100.00	16,226.60	8809	OTHER SNCR PROBLEMS; TO TIE IN THE SNCR.
0004	D4	05/08/2006 06:45	05/08/2006 22:00	15.25	16.67	198.25	4630	LIQUID COOLING SYSTEM; HIGH TEMPS ON AUXILIARY EQUIPMENT DUE TO LOW COOLING WATER CAPABILITY.
0005	D1	07/12/2006 12:05	07/13/2006 15:05	27.00	35.90	756.00	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK.
0006	D2	08/04/2006 04:00	08/04/2006 16:00	12.00	33.33	312.00	3110	CONDENSER TUBE LEAKS; TUBE LEAK (A - SIDE CONDENSER)
0007	U1	08/20/2006 02:26	08/20/2006 03:23	0.95	100.00	74.10	4460	TURBINE OVERSPEED TRIP TEST; TURBINE TRIP DURING VALVE TESTING.
0008	D2	08/26/2006 13:41	08/26/2006 20:04	6.38	35.90	178.73	3110	CONDENSER TUBE LEAKS; A SIDE CONDENSER TUBE LEAK.
0009	D1	09/12/2006 11:45	09/12/2006 15:45	4.00	16.67	52.00	8550	ELECTROSTATIC PRECIPITATOR FOULING; PRECIPITATOR FOULING DUE TO WEATHER(RAIN)
0010	PO	10/06/2006 23:29	10/28/2006 16:53	521.40	100.00	40,669.20	0310	PULVERIZER MILLS; OUTAGE MILL / BOILER.
0011	MO	11/02/2006 12:47	11/03/2006 03:44	14.95	100.00	1,166.10	3439	HP HEATER HEAD LEAKS; #5 HIGH PRESSURE HEAD LEAKING.
0012	RS	12/21/2006 23:39	01/01/2007 00:00	240.35	0.00	0.00	0000	RESERVE SHUTDOWN; ON RESERVED SHUTDOWN DUE TO SYSTEM DEMAND.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	D2	02/17/2006 04:00	02/17/2006 11:32	7.53	17.50	105.47	8551	ELECTROSTATIC PRECIPITATOR FIELD OUT OF SERVICE; 5A PRECIPITATOR CABINET OUT OF SERVICE.
0002	PO	02/25/2006 00:21	03/05/2006 02:03	193.70	100.00	15,496.00	8809	OTHER SNCR PROBLEMS; TO TIE IN SNCR.
0003	NC	05/04/2006 20:00	05/04/2006 20:30	0.50	0.00	0.00	0280	PULVERIZER FIRES; 5D MILL PYRITE FIRE ON MILL TABLE.
0004	D4	05/08/2006 06:45	05/08/2006 22:00	15.25	18.75	228.75	4630	LIQUID COOLING SYSTEM; HIGH TEMPS ON AUXILIARY EQUIPMENT DUE TO LOW COOLING WATER CAPABILITY.
0005	NC	05/29/2006 19:15	05/30/2006 18:15	23.00	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; 5A MILL EXHAUSTER BEARING.
0006	MO	06/13/2006 09:01	06/14/2006 19:48	34.78	100.00	2,782.67	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK EAST SIDE UNIT # 5 BOILER.
0007	PO	10/06/2006 22:27	10/27/2006 09:59	491.53	100.00	39,322.67	0310	PULVERIZER MILLS; OUTAGE MILLS / BOILER.
0008	RS	12/24/2006 23:19	01/01/2007 00:00	168.68	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN DUE TO SYSTEM DEMANDS.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	D1	01/03/2006 23:58	01/04/2006 14:51	14.88	100.00	4,494.77	1488	AIR HEATER (REGENERATIVE); 6B AH DRIVE MOTOR COUPLING WAS COMING APART.
0003	D1	01/30/2006 06:48	01/30/2006 14:50	8.03	2.65	64.27	1999	BOILER, MISCELLANEOUS; REHEAT PANEL #6 TUBES @ 1100 DEG. REDUCED LOAD BECAUSE OF TEMP.
0002	D1	02/06/2006 05:30	02/06/2006 08:10	2.67	2.65	21.33	0250	PULVERIZER FEEDERS; 6A FEEDER HAD A ROCK ON THE BELT AND WET COAL.
0004	NC	02/16/2006 23:15	02/17/2006 02:06	2.85	0.00	0.00	0250	PULVERIZER FEEDERS; 6A FEEDER CALIBRATION.
0005	NC	02/19/2006 04:07	02/20/2006 00:00	19.88	0.00	0.00	0344	PULVERIZER INSPECTION; MILL INSPECTION AND CLEANING DUE TO HIGH TEMP.
0006	MO	02/21/2006 00:57	02/22/2006 04:49	27.87	100.00	8,415.73	1080	ECONOMIZER TUBE LEAKS; FOUND 4 TUBE LEAKS IN THE ECONOMIZER SECTION OF THE BOILER.
0007	NC	02/23/2006 16:14	02/24/2006 08:32	16.30	0.00	0.00	0310	PULVERIZER MILLS; 6B MILL TEMP. WENT HIGH STEAM ON MILL.
0008	U1	03/02/2006 06:12	03/03/2006 11:57	29.75	100.00	8,984.50	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK.
0009	U1	03/14/2006 18:38	03/14/2006 19:22	0.73	100.00	221.47	3430	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE; UNIT OFF LINE DUE TO HIGH DRUM LEVEL.
0010	D1	03/17/2006 16:00	03/18/2006 00:19	8.32	15.89	399.20	0240	PULVERIZED COAL BIN; 6D COAL BUNKER RUN OUT EARLY FOR UNIT OUTAGE.
0011	PO	03/18/2006 00:19	05/15/2006 15:41	1406.37	100.00	424,722.73	3180	MAJOR CONDENSER OVERHAUL; CONDENSER CHANGE OUT.
0012	U1	05/17/2006 21:44	05/18/2006 01:59	4.25	100.00	1,283.50	0250	PULVERIZER FEEDERS; LOST A & D FEEDERS AND TEMPS. TOOK OUT FIRES.
0013	NC	05/27/2006 07:00	05/27/2006 11:17	4.28	0.00	0.00	0260	PRIMARY AIR FAN; REMOVED 6A PA FAN FOR INBOARD BEARING REPAIR.
0014	NC	06/01/2006 15:30	06/01/2006 17:00	1.50	0.00	0.00	0310	PULVERIZER MILLS; 6D MILL HIGH MILL TEMP.
0015	NC	06/05/2006 08:20	06/05/2006 09:15	0.92	0.00	0.00	0253	PULVERIZER FEEDER MOTOR; 6D FEEDER LOSS OF POWER.
0016	D1	07/02/2006 06:25	07/02/2006 14:35	8.17	7.28	179.67	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; REDUCED LOAD TO REPAIR #6 H.P. HEATER LEVEL TRANSMITTER STEAM LEAK AT FLANGE.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D1	07/03/2006 22:05	07/04/2006 06:30	8.42	32.12	816.42	0260	PRIMARY AIR FAN; 6B P.A. FAN FLOW DROPPED BELOW 20 TRIPPING 6B MILL/PA FAN.
0018	D1	07/11/2006 20:52	07/11/2006 21:25	0.55	22.19	36.85	0250	PULVERIZER FEEDERS; 6B FEEDER TRIPPED TEAR IN BELT.
0019	NC	07/18/2006 03:00	07/18/2006 07:35	4.58	0.00	0.00	0310	PULVERIZER MILLS; NIOSE IN MILL FOUND A SOME METAL.
0020	D1	07/19/2006 13:13	07/19/2006 19:53	6.67	9.27	186.67	0250	PULVERIZER FEEDERS; 6D FEEDER STOPPED FEEDING BECAUSE OF PLUGGING IN THE HOPPER.
0021	U1	08/06/2006 21:49	08/08/2006 08:30	34.68	100.00	10,474.37	1040	FIRST SUPERHEATER TUBE LEAKS; THIRD FLOOR EAST SIDE OF BOILER. OLD WELD FATIGUED DUE TO CYCLING OF BOILER.
0022	D4	08/25/2006 06:45	08/25/2006 15:15	8.50	6.62	170.00	9290	OTHER FUEL QUALITY PROBLEMS (OMC); MILL DIFFERENTIALS DUE TO POOR FUEL QUALITY.
0023	MO	09/03/2006 00:50	09/04/2006 00:18	23.47	100.00	7,086.93	1000	WATERWALL (FURNACE WALL); BOILER TUBE LEAK WATER WALL SOUTH SIDE OF BOILER.
0024	U1	09/06/2006 11:19	09/08/2006 01:55	38.60	100.00	11,657.20	1000	WATERWALL (FURNACE WALL); LOWER WATER WALL TUBE LEAK SOUTH SIDE JUST ABOVE RING HEADER.
0025	NC	09/16/2006 15:37	09/17/2006 19:00	27.38	0.00	0.00	0280	PULVERIZER FIRES; FIRE IN 6A MILL POSSIBLE EXPLOSION IN CLASSIFIER SECTION.
0026	NC	09/18/2006 06:00	09/18/2006 07:15	1.25	0.00	0.00	0250	PULVERIZER FEEDERS; 6B FEEDER ROCK ON BELT
0027	D1	09/26/2006 01:10	09/26/2006 02:30	1.33	5.63	22.67	0250	PULVERIZER FEEDERS; ROCK ON 6D FEEDER BELT.
0028	D1	09/27/2006 21:34	09/27/2006 22:50	1.27	49.01	187.47	0250	PULVERIZER FEEDERS; ROCK ON 6B FEEDER BELT.
0029	D1	10/03/2006 09:30	10/03/2006 23:56	14.43	8.94	389.70	9250	LOW BTU COAL (OMC); DIFFERENTIAL PRESSURE ALARMS ON ALL PULVERISERS.
0030	D1	10/10/2006 20:25	10/10/2006 23:30	3.08	7.28	67.83	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; MAIN TURBINE STUB SHAFT VIBRATION.
0031	D1	10/11/2006 05:30	10/13/2006 16:30	59.00	10.60	1,888.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; TUBINE STUB SHAFT VIBRATION.

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0032	D1	10/14/2006 15:35	10/14/2006 22:47	7.20	7.28	158.40	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; MAIN TURBINE STUB SHAFT (HIGH VIBRATION)
0033	D1	10/15/2006 09:35	10/15/2006 13:00	3.42	7.28	75.17	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; HIGH VIBRATION DUE TO STUB SHAFT.
0034	D1	10/15/2006 13:00	10/15/2006 20:00	7.00	10.60	224.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; HIGH STUB SHAFT VIBRATION.
0035	U1	10/25/2006 15:58	10/26/2006 02:53	10.92	100.00	3,296.83	3410	FEEDWATER PUMP; 6A BFP TRIPPED DUE TO OVER SPEEDING.
							4261	MAJOR COMPONENT WORKED DURING EVENT; CONTROL VALVES; HAD A VALVE CONTINGENCY ON MAIN TURBINE #2 GOV. VALVE.
0036	D1	10/27/2006 06:15	10/28/2006 00:04	17.82	7.28	391.97	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION
0037	MO	10/28/2006 00:04	10/31/2006 00:32	73.47	100.00	22,186.93	1000	WATERWALL (FURNACE WALL); BOILER TUBE LEAK BOTTOM WATER WALL.
0038	D1	11/07/2006 10:45	11/07/2006 12:30	1.75	32.45	171.50	0267	PRIMARY AIR FLOW INSTRUMENTATION; REPAIR P.A. FAN SENSING LINE.
0039	D1	11/11/2006 10:08	11/11/2006 15:00	4.87	20.20	296.87	1999	BOILER, MISCELLANEOUS; REHEAT OUTLET & REHEAT PANEL TEMPS HIGH.
0040	D1	11/12/2006 06:45	11/12/2006 11:10	4.42	18.54	247.33	1999	BOILER, MISCELLANEOUS; REHEAT AND PANEL TEMPS RUNNING HIGH.
0041	D1	11/13/2006 00:30	11/13/2006 01:10	0.67	32.45	65.33	0250	PULVERIZER FEEDERS; PLUGGED FEEDER DUE TO WET COAL.
							9270	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); WET COAL PLUGGED FEEDER.
0042	D1	11/13/2006 03:50	11/17/2006 04:00	96.17	7.28	2,115.67	1999	BOILER, MISCELLANEOUS; HIGH REHEAT TEMPS.
0043	D1	11/16/2006 11:00	11/16/2006 14:30	3.50	30.13	241.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; FOUND METAL IN MILL.
0044	D1	11/17/2006 11:00	11/17/2006 17:00	6.00	5.63	102.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION.

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0045	D1	11/17/2006 17:40	11/18/2006 13:41	20.02	5.63	340.28	1999	BOILER, MISCELLANEOUS; HIGH REHEAT TEMP.
0046	D1	11/18/2006 14:10	11/23/2006 06:10	112.00	1.99	672.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION.
0047	D1	11/23/2006 22:00	11/24/2006 00:15	2.25	7.28	49.50	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION.
0048	D1	11/27/2006 07:30	11/27/2006 15:40	8.17	4.30	106.17	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION.
0049	D1	11/27/2006 15:40	11/28/2006 09:55	18.25	7.28	401.50	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STUB SHAFT VIBRATION.
0050	MO	12/13/2006 21:23	12/20/2006 10:25	157.03	100.00	47,424.07	4611	HYDROGEN COOLERS; HYDROGEN LEAK IN ONE OF THE COOLERS.
0051	D4	12/21/2006 00:01	12/24/2006 15:02	87.02	58.61	15,401.95	1400	FORCED DRAFT FANS; 6B FORCE DRAFT FAN IS DOWN FOR BEARING BEING REPAIRED.
0052	D1	12/25/2006 10:00	12/25/2006 11:15	1.25	35.76	135.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); COAL LEAKS ON 6B MILL.
0053	D1	12/26/2006 08:00	12/26/2006 10:20	2.33	55.63	392.00	3431	OTHER FEEDWATER VALVES; 6B BFP MIN FLOW SUSPECT DEFECTIVE DIAPHRAM TROUBLE SHOOTING POSSIBLE ALT.
0054	D1	12/26/2006 10:20	12/27/2006 15:15	28.92	20.20	1,763.92	3431	OTHER FEEDWATER VALVES; 6B BFP MIN FLOW VAVLE SUSPECT DEFECTIVE DIAPHRAM.
0055	D1	12/27/2006 13:52	12/27/2006 16:30	2.63	32.45	173.68	0280	PULVERIZER FIRES; FIRE IN 6B MILK HIGH TEMP.
0056	D1	12/28/2006 04:00	12/28/2006 15:00	11.00	35.76	1,188.00	0280	PULVERIZER FIRES; FIRE IN 6B MILL.

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Crist 7								
0001	D4	01/22/2006 07:40	01/22/2006 10:20	2.67	14.68	186.67	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 7C PULVERIZER COAL LEAK C-3 MILL SHUT-OFF DAMPER.
0002	D1	01/30/2006 15:18	01/30/2006 17:55	2.62	12.79	159.62	0250	PULVERIZER FEEDERS; FEEDER OUT DO TO CONCRETE ON BELT.
0003	MO	02/01/2006 23:40	02/05/2006 18:30	90.83	100.00	43,327.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; REPAIRED CRACKS IN I.D. FAN DUCT WORK.
0004	U1	02/05/2006 18:57	02/05/2006 23:23	4.43	100.00	2,114.70	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; TURBINE VIBRATION ON 1 & 2 BEARING AT 10 MILLS.
0005	D1	02/06/2006 12:27	02/09/2006 18:00	77.55	7.55	2,791.80	0345	PULVERIZER OVERHAUL; OVER HAULING A PULVERIZER AND POOR FUEL QUALITY.
0006	D1	02/11/2006 06:52	02/11/2006 10:41	3.82	12.79	232.82	0320	FOREIGN OBJECT IN PULVERIZER MILL; FOUND METAL IN 7E MILL.
0007	D1	02/12/2006 12:35	02/12/2006 14:15	1.67	8.60	68.33	0310	PULVERIZER MILLS; 7F MILL FOUND A BROKEN GRINDING SEGMENT.
0008	D1	02/21/2006 12:30	02/21/2006 21:25	8.92	8.60	365.58	0250	PULVERIZER FEEDERS; 7B FEEDER BELT ADJUSTMENT.
0009	D1	02/26/2006 23:00	02/27/2006 03:40	4.67	2.73	60.67	9290	OTHER FUEL QUALITY PROBLEMS (OMC); POOR FUEL QUALITY.
0010	D1	02/27/2006 03:50	02/27/2006 04:10	0.33	16.14	25.67	0320	FOREIGN OBJECT IN PULVERIZER MILL; OBJECT IN MILL.
0011	D1	03/01/2006 08:05	03/01/2006 08:30	0.42	8.60	17.08	0250	PULVERIZER FEEDERS; HAD TO CUT A PIECE 7C FEEDER BELT THAT WAS CAUSING FEEDER TO TRIP.
0012	NC	03/13/2006 11:00	03/14/2006 04:35	17.58	0.00	0.00	0344	PULVERIZER INSPECTION; 7A MILL OUT FOR INSPECTION BY MAINTENANCE.
0013	NC	03/14/2006 23:00	03/15/2006 03:45	4.75	0.00	0.00	0344	PULVERIZER INSPECTION; 7B MILL OUT FOR INSPECTION BY MAINTENANCE.
0014	NC	03/16/2006 01:30	03/16/2006 04:20	2.83	0.00	0.00	0344	PULVERIZER INSPECTION; 7C MILL OUT FOR INSPECTION BY MAINTENANCE.
0015	D1	03/16/2006 11:45	03/16/2006 12:15	0.50	14.68	35.00	0250	PULVERIZER FEEDERS; 7B FEEDER TRIP DUE TO CONTROL PROBLEMS.

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0016	NC	03/17/2006 04:30	03/17/2006 06:50	2.33	0.00	0.00	0344	PULVERIZER INSPECTION; TOOK OUT 7D MILL FOR INSPECTION.
0017	NC	03/17/2006 09:45	03/17/2006 10:25	0.67	0.00	0.00	0250	PULVERIZER FEEDERS; 7B FEEDER TRIPPING FOUND A LOOSE WIRE CONNECTIONS I&C TIGHTEN WORKING FINE.
0018	D1	03/22/2006 07:00	03/22/2006 14:45	7.75	6.71	248.00	0570	OTHER REHEAT STEAM PROBLEMS; REHAET PANEL TEMP. HIGH TEMP. OVER 1100 REDUCE LOAD DUE TO TEMP.
0019	D1	03/22/2006 14:45	03/22/2006 15:45	1.00	4.61	22.00	0570	OTHER REHEAT STEAM PROBLEMS; REHEAT PANEL STARTED DROPPING ABLE TO RAISE LOAD.
0020	D3	03/27/2006 06:00	04/01/2006 10:05	124.08	16.14	7,415.10	0345	PULVERIZER OVERHAUL; 7F MILL OUT FOR REPAIRS.
0021	D1	03/27/2006 18:30	03/28/2006 15:00	20.50	20.96	471.50	0570	OTHER REHEAT STEAM PROBLEMS; #5 REHAET PANEL TEMP. TO HIGH CUT LOAD TOO REDUCE TEMP.
0022	D1	03/28/2006 15:01	03/28/2006 22:00	6.98	24.95	293.30	0570	OTHER REHEAT STEAM PROBLEMS; #5 REHEAT PANEL HIGH TEMP. CUT LOAD TOO REDUCE TEMP.
0023	D1	03/29/2006 13:45	03/29/2006 23:54	10.15	35.43	933.80	1455	INDUCED DRAFT FANS; (A) I.D. FAN DUCT VIBRATION.
0024	MO	03/29/2006 23:54	03/31/2006 03:41	27.78	100.00	13,252.65	1455	INDUCED DRAFT FANS; CRACKS IN 7A I.D. FAN DUCT WORK BEING REPAIRED.
0033	D1	03/31/2006 06:00	03/31/2006 06:45	0.75	98.74	295.50	1411	FORCED DRAFT FAN MOTORS - VARIABLE SPEED; 7A FD FAN SPEED CHANGER COIL.
0025	D3	04/02/2006 22:45	04/07/2006 16:30	113.75	16.14	8,758.75	0345	PULVERIZER OVERHAUL; 7E MILL INSPECTION AND REPAIR.
0026	D1	04/03/2006 17:20	04/03/2006 18:20	1.00	37.53	102.00	0250	PULVERIZER FEEDERS; 7B FEEDER COULDN'T CONTROL FEED RATE.
0027	D3	04/03/2006 23:15	04/04/2006 03:00	3.75	41.72	457.50	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 7F MILL PYRITE SWEEP NEEDED TO BE ADJUSTED.
0028	D1	04/05/2006 08:30	04/05/2006 09:45	1.25	41.72	152.50	1455	INDUCED DRAFT FANS; 7A I.D. FAN INSPECTION.
0029	D1	04/06/2006 01:00	04/06/2006 03:15	2.25	33.33	184.50	0250	PULVERIZER FEEDERS; I&C REPALCING SCREEN MODULE IN FEEDER.
0030	MO	04/08/2006 01:06	04/09/2006 03:31	26.42	100.00	12,600.75	1455	INDUCED DRAFT FANS; 7A I.D. FAN DUCTWORK.

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0031	PD	04/09/2006 23:22	04/11/2006 08:15	32.88	16.14	2,532.02	0345	PULVERIZER OVERHAUL; 7E MILL OUT OF SERVICE FOR MAINTENANCE.
0032	D1	04/11/2006 09:40	04/11/2006 10:45	1.08	16.14	83.42	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 7E MILL COAL LEAK.
0034	D1	04/26/2006 08:15	04/26/2006 08:45	0.50	2.73	6.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; HIGH DUCT PRESSURE A-SIDE PREHEATER OUTLET.
0035	D1	04/29/2006 14:15	04/29/2006 17:15	3.00	4.61	66.00	0570	OTHER REHEAT STEAM PROBLEMS; RHEAT PANEL #11 TEMP. HIGH.
0036	D1	05/01/2006 18:32	05/01/2006 18:45	0.22	8.60	8.88	0250	PULVERIZER FEEDERS; 7C FEEDER CONCRETE ON BELT.
0037	D1	05/02/2006 07:55	05/02/2006 20:30	12.58	2.73	163.58	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 7A & 6A BONNETT AND FUEL QUALITY.
0038	NC	05/04/2006 06:00	05/30/2006 10:00	628.00	0.00	0.00	3440	HIGH PRESSURE HEATER TUBE LEAKS; 6A HP FEEDWATER HEATER HAS A TUBE LEAK.
0039	D1	05/05/2006 03:19	05/05/2006 09:45	6.43	6.71	205.87	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 6A & 7A OUT OF SERVICE AND POOR FUEL QUALITY.
0040	D1	05/05/2006 15:00	05/06/2006 01:27	10.45	2.73	135.85	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 6A HIGH PRESSURE HEATER OUT OF SERVICE WITH TUBE LEAK AND POOR FUEL QUALITY.
0041	D1	05/06/2006 14:00	05/07/2006 01:30	11.50	2.73	149.50	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 6A H.P. HEATER OUT OF SERVICE AND POOR FUEL QUALITY
0042	D4	05/10/2006 08:20	05/12/2006 02:00	41.67	3.56	708.33	1480	OTHER INDUCED DRAFT FAN PROBLEMS; I.D. FAN BLOCK (DUCT PRESSURE) AND FUEL QUALITY.
0043	D1	05/22/2006 09:25	05/22/2006 12:05	2.67	2.73	34.67	3123	HOT WELL; CUT LOAD DUE TO BACK PRESSURE FROM HIGH HOTWELL TEMP.
0044	D1	05/22/2006 11:05	05/22/2006 11:35	0.50	12.79	24.00	0250	PULVERIZER FEEDERS; 7E FEEDER PLUGGED.
0045	D1	05/23/2006 14:00	05/24/2006 02:40	12.67	2.73	164.67	3123	HOT WELL; HIGH HOTWELL TEMP AND BACK PRESSURE.
0046	D4	05/24/2006 12:40	05/25/2006 01:20	12.67	2.73	164.67	1480	OTHER INDUCED DRAFT FAN PROBLEMS; AIRHEATER OUTLET PRESSURE ON "A" SIDE GOING IN ALARM CAUSING "A" ID FAN AMPS TO SWING.
0047	D1	05/26/2006 08:10	05/26/2006 22:17	14.12	2.73	183.52	3112	CONDENSER TUBE FOULING TUBE SIDE; REDUCED LOAD BECAUSE OF BACK PRESSURE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0048	MO	05/27/2006 00:28	05/30/2006 00:45	72.28	100.00	34,479.15	3112	CONDENSER TUBE FOULING TUBE SIDE; CLEANED FOULED CONDENSER.
0049	D1	06/01/2006 00:15	06/01/2006 06:40	6.42	48.01	1,469.42	1760	FEEDWATER INSTRUMENTATION (NOT LOCAL CONTROLS); 7B BFP L.P. GOVENOR VALVE ACTULATOR.
0050	NC	06/03/2006 17:30	06/03/2006 20:20	2.83	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; 7D MILL HAD METAL IN MILL.
0051	NC	06/06/2006 07:00	06/08/2006 06:45	47.75	0.00	0.00	3439	HP HEATER HEAD LEAKS; 6A HP FEEDWATER HEATER HAS A HEAD LEAK.
0052	D1	06/15/2006 15:30	06/15/2006 17:50	2.33	2.73	30.33	3112	CONDENSER TUBE FOULING TUBE SIDE; BACK PRESSURE.
0053	D4	06/22/2006 09:50	06/22/2006 11:30	1.67	2.73	21.67	1480	OTHER INDUCED DRAFT FAN PROBLEMS; I.D. FAN BLOCK HIGH DUCT PRESSURE.
0054	D4	06/23/2006 16:00	06/24/2006 01:15	9.25	4.61	203.50	9290	OTHER FUEL QUALITY PROBLEMS (OMC); HAD TOO CUT BACK ON FUEL TO ADD AIR.
0055	D4	06/24/2006 04:45	06/24/2006 13:55	9.17	2.73	119.17	9290	OTHER FUEL QUALITY PROBLEMS (OMC); HAD TOO CUT BACK ON FUEL TO ADD AIR.
0056	D4	06/24/2006 13:55	06/24/2006 17:30	3.58	4.82	82.42	9290	OTHER FUEL QUALITY PROBLEMS (OMC); HAD TO CUT BACK ON FUEL TO ADD AIR.
0057	D4	06/24/2006 17:30	06/25/2006 00:00	6.50	8.60	266.50	9290	OTHER FUEL QUALITY PROBLEMS (OMC); POOR FUEL QUALITY HAD TO CUT BACK ON FUEL AND ADD AIR.
0058	D4	06/25/2006 11:12	06/25/2006 23:00	11.80	0.63	35.40	9290	OTHER FUEL QUALITY PROBLEMS (OMC); FUEL QUALITY POOR HAD TO CUT BACK ON FUEL AND ADD AIR.
0059	D1	06/26/2006 10:00	06/26/2006 10:45	0.75	6.71	24.00	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; UNIT REDUCED DUE TO EXCESSIVE SLAG BUILDUP IN BOTTOM ASH PIT
0060	D1	06/27/2006 08:45	06/27/2006 23:27	14.70	6.71	470.40	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; UNIT REDUCED DUE TO EXCESSIVE SLAG BUILDUP IN BOTTOM ASH PIT.
0061	MO	06/27/2006 23:27	06/30/2006 09:49	58.37	100.00	27,840.90	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; UNIT REMOVED FROM SERVICE TO DESLAG BOTTOM ASH PIT.
0063	D4	06/30/2006 16:30	07/01/2006 15:42	23.20	3.98	440.80	1480	OTHER INDUCED DRAFT FAN PROBLEMS; I.D. FANS SWAPPING DUE TO HIGH DUCT PRESSURE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0062	D4	07/01/2006 15:00	07/03/2006 11:10	44.17	41.30	8,687.53	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; UNIT REDUCED DUE TO EXCESSIVE SLAG IN BOTTOM ASH PIT
0064	D4	07/03/2006 11:10	07/03/2006 14:10	3.00	31.24	447.00	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; CAME DOWN TO DESLAG BOILER.
0065	D4	07/03/2006 15:45	07/04/2006 00:15	8.50	31.24	1,266.50	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; CAME DOWN TO DESLAG BOILER.
0066	D4	07/04/2006 06:00	07/04/2006 23:43	17.72	7.76	655.52	1480	OTHER INDUCED DRAFT FAN PROBLEMS; BOILER DUCT PRESSURE HIGH AND FANS SWAPPING.
0067	D4	07/05/2006 08:15	07/05/2006 23:05	14.83	5.66	400.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; HIGH DUCT PRESSURE FANS SWAPPING.
0068	NC	07/05/2006 23:05	07/06/2006 05:40	6.58	0.00	0.00	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; CAME DOWN TO DESLAG BOILER.
0069	NC	07/07/2006 01:15	07/07/2006 12:30	11.25	0.00	0.00	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; DOWN TO DESLAG BOILER.
0070	D4	07/11/2006 06:00	07/11/2006 10:45	4.75	4.82	109.25	1455	INDUCED DRAFT FANS; I.D. FANS SWAPPING AROUND.
0071	D4	07/11/2006 10:45	07/11/2006 15:00	4.25	4.82	97.75	9290	OTHER FUEL QUALITY PROBLEMS (OMC); ASH FUSION TEMPERATURE.
0072	D4	07/14/2006 06:45	07/14/2006 15:30	8.75	4.61	192.50	9290	OTHER FUEL QUALITY PROBLEMS (OMC); POOR FUEL QUALITY.
0073	D1	07/16/2006 18:30	07/16/2006 20:25	1.92	2.73	24.92	3123	HOT WELL; BACK PESSURE (EXHAUST HOOD TEMP. ALARM)
0074	D1	07/24/2006 07:00	07/24/2006 11:00	4.00	0.63	12.00	1420	OTHER FORCED DRAFT FAN PROBLEMS; FD. FANS INLET DAMPERS LOCKING UP AT AROUND 75% DAMPER POSITION.
0075	D1	07/25/2006 06:00	07/25/2006 10:55	4.92	2.73	63.92	1420	OTHER FORCED DRAFT FAN PROBLEMS; 7A & 7B FD. FAN DAMPER PROBLEMS.
0076	U1	07/30/2006 03:00	07/30/2006 19:00	16.00	100.00	7,632.00	1035	PLATEN SUPERHEATER TUBE LEAKS; PRIMARY S.H.
0077	U1	07/30/2006 19:00	07/31/2006 16:00	21.00			1090	CONTRIBUTED TO PRIMARY CAUSE; OTHER TUBE LEAKS; PARTION WALL HEADER.
0078	MO	07/31/2006 16:00	08/03/2006 14:59	70.98	100.00	10,017.00	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS;
					100.00	33,859.05	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0079	D4	08/07/2006 10:50	09/30/2006 21:51	1307.02	4.19	25,525.33	1455	INDUCED DRAFT FANS; MAINTAIN 3.0% O2 OR GREATER AT MAX LOAD CAPABILITY W/ID FANS STABLE.
0081	MO	08/17/2006 21:51	08/19/2006 04:36	30.75	100.00	14,667.75	1090	OTHER TUBE LEAKS; TUBE LEAK OPACITY HIGH (PARTION WALL HEADER).
0082	D4	08/19/2006 09:40	08/19/2006 12:20	2.67	52.20	610.67	4281	LUBE OIL COOLERS; TURBINE OIL COOLER NOT COOLING PROPERLY.
0083	D4	08/24/2006 17:30	08/25/2006 02:00	8.50	6.71	102.00	9290	OTHER FUEL QUALITY PROBLEMS (OMC); VERY POOR FUEL QUALITY CAUSING HIGH MILL DIFFERENTIALS.
0084	D1	09/07/2006 11:39	09/07/2006 14:05	2.43	18.87	170.33	3150	HOT WELL LEVEL CONTROLS; HIGH HOT WELL LEVEL DUE TO CONTROLS.
0085	NC	09/15/2006 04:20	09/15/2006 04:45	0.42	0.00	0.00	0250	PULVERIZER FEEDERS; COAL PIPE PLUGGED BETWEEN FEEDER AND PULVERIZER.
0086	NC	09/18/2006 10:30	09/18/2006 10:45	0.25	0.00	0.00	0250	PULVERIZER FEEDERS; 7A FEEDER PLUGGED DUE T WET COAL.
0087	NC	09/18/2006 21:10	09/18/2006 21:45	0.58	0.00	0.00	0250	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); DUE TO WEATHER (RAIN)
0088	NC	09/18/2006 22:15	09/18/2006 22:50	0.58	0.00	0.00	0250	PULVERIZER FEEDERS; 7E FEEDER PLUGGED DUE TO WET COAL.
0089	D1	09/19/2006 00:25	09/19/2006 01:25	1.00	12.79	41.00	0346	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); DUE TO WEATHER (RAIN)
0090	D1	09/24/2006 09:30	09/24/2006 11:10	1.67	6.71	20.00	3123	PULVERIZER PYRITE REMOVAL SYSTEM; 7E MILL PYRITE PLUGED AT THE THROAT.
0092	D4	09/30/2006 23:59	10/09/2006 06:30	198.52	4.19	3,295.00	1455	HOT WELL; HIGH HOT WELL TEMP. 137DEG. INDUCED DRAFT FANS; 7A THUR. 7D I.D. FANS TO MAINTAIN 3% EXCESS O2.
0091	U1	10/02/2006 07:05	10/02/2006 10:45	3.67	100.00	1,749.00	0385	IGNITERS; #7 IGNITITER AIR COMPRESSOR CAUGHT ON FIRE DUE TO GROUND AND TRIPPING 7A 600V BUSS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0093	U2	10/02/2006 20:42	10/04/2006 02:48	30.10	100.00	14,357.70	1003	STEAM GENERATING TUBES BETWEEN STEAM DRUM AND MUD DRUM; TUBE LEAK 6TH FLOOR EAST SIDE OF BOILER.
0094	D1	10/16/2006 11:20	10/17/2006 19:00	31.67	18.87	2,850.00	0250	PULVERIZER FEEDERS; 7E FEEDER TRIPPED OUT SUPECT FIRE IN THE CLASSIFIER.
0095	D1	10/18/2006 01:40	10/18/2006 16:45	15.08	20.96	1,508.33	0340	OTHER PULVERIZER PROBLEMS; TRIPPED 7E MILL DUE TO HIGH MILL TEMP.
0096	D1	10/18/2006 19:00	10/19/2006 09:20	14.33	20.96	1,433.33	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK 7E MILL PIPING.
0097	D1	10/19/2006 10:45	10/20/2006 03:00	16.25	6.71	520.00	3123	HOT WELL; REDUCED LOAD DUE TO HIGH HOT WELL TEMP.
0098	D1	10/20/2006 03:00	10/21/2006 01:25	22.42	3.56	381.08	3123	HOT WELL; REDUCED LOAD DUE TO HIGH HOT WELL TEMP.
0099	D1	10/22/2006 05:20	10/22/2006 11:00	5.67	4.61	124.67	3123	HOT WELL; REDUCED LOAD DUE TO HIGH HOTWELL TEMP.
0100	D1	10/27/2006 12:30	10/27/2006 15:10	2.67	6.71	85.33	3123	HOT WELL; HIGH HOT-WELL TEMP.
0101	D1	10/29/2006 09:00	10/29/2006 19:00	10.00	10.69	510.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; PULVERIZER PYRITE SWEEP BROKE.
0102	D1	10/31/2006 15:00	10/31/2006 21:45	6.75	16.77	540.00	0310	PULVERIZER MILLS; 7E PULVERIZER HIGH TEMP.
0103	PO	11/04/2006 02:26	12/01/2006 21:29	667.05	100.00	318,182.85	1999	BOILER, MISCELLANEOUS; OUTAGE WORK ON BOILER, MILLS AND CONDENSER.
0104	D1	12/03/2006 01:40	12/03/2006 09:15	7.58	20.96	758.33	8760	OPACITY MONITOR PROBLEMS; SPECTURM FOUND PROBLEMS WITH MONITOR.
0105	D1	12/11/2006 14:10	12/11/2006 21:20	7.17	8.60	293.83	3123	HOT WELL; HIGH HOTWELL TEMP. EXCEEDING 137.5
0106	D1	12/11/2006 21:20	12/12/2006 00:50	3.50	6.71	112.00	3238	COOLING TOWER FAN AND MOTORS; (L) COOLING TOWER FAN MOTOR DRIVESHAFT IS BROKEN.
0107	D1	12/12/2006 05:50	12/12/2006 09:00	3.17	6.71	101.33	3238	COOLING TOWER FAN AND MOTORS; COOLING TOWER FANS (A & L) ARE OUT OF SERVICE.
0108	D1	12/12/2006 09:00	12/12/2006 11:00	2.00	11.74	112.00	3238	COOLING TOWER FAN AND MOTORS; COOLING TOWER FAN MOTOR (A&L) OUT OF SERVICE.
0109	D1	12/12/2006 11:00	12/12/2006 15:00	4.00	5.66	108.00	3238	COOLING TOWER FAN AND MOTORS; COOLING TOWER FAN MOTORS (A&L) ARE OUT OF SERVICE.

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0110	D1	12/13/2006 08:00	12/13/2006 16:00	8.00	4.61	176.00	3238	COOLING TOWER FAN AND MOTORS; COOLING TOWER FAN MOTOR (L) IS OUT OF SERVICE.
							3123	CONTRIBUTED TO PRIMARY CAUSE; HOT WELL; HIGH HOTWELL TEMP. EXCEEDING 137.5 AND AND BACKPRESSURE.
0111	D1	12/25/2006 11:10	12/25/2006 11:50	0.67	4.61	14.67	9270	WET COAL (OMC); WET COAL CAUSING THE OPACITY RISING TO 15% AT PEAK LOADS.
Scholz 1								
0001	RS	01/01/2006 00:00	01/01/2006 16:36	16.60	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0002	RS	01/08/2006 21:53	02/05/2006 01:25	651.53	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY - RESERVE SHUTDOWN
0004	RS	03/15/2006 23:53	03/17/2006 14:00	38.12	0.00	0.00	0000	RESERVE SHUTDOWN;
0003	MO	03/17/2006 14:00	03/21/2006 18:00	100.00	100.00	4,600.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; EXCESSIVE VIBRATION AND NOISE WHEN SHUTTING UNIT DOWN.
0005	MO	03/21/2006 18:00	03/21/2006 20:30	2.50	100.00	115.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; SE EXTENSION OF MAINTENANCE OUTAGE TO COMPLETE REPAIRS TO TURBINE.
0006	RS	03/21/2006 20:30	03/22/2006 16:58	20.47	0.00	0.00	0000	RESERVE SHUTDOWN;
0007	RS	05/16/2006 17:39	05/22/2006 03:06	129.45	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN.
0008	U1	08/15/2006 14:40	08/15/2006 18:56	4.27	100.00	196.27	1488	AIR HEATER (REGENERATIVE);
0009	RS	09/05/2006 23:15	09/20/2006 13:58	350.72	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN.
0010	PO	10/06/2006 23:39	11/05/2006 14:51	712.20	100.00	32,761.20	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION PLANNED OUTAGE STARTING 10/7/2006 00:00 HRS
0011	D1	12/10/2006 01:45	12/10/2006 05:08	3.38	28.26	43.98	0260	PRIMARY AIR FAN; PA FAN BREAKER - TIME PHASE 1 BREAKER RELAY OPERATED
0012	RS	12/20/2006 06:10	12/31/2006 00:00	257.83	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN (24 HR. STANDBY)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2006 00:00	01/02/2006 03:02	27.03	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	RS	01/08/2006 22:42	02/04/2006 16:26	641.73	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY - RESERVE SHUTDOWN
0003	RS	02/15/2006 23:25	04/15/2006 03:25	1395.00	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO COME OFFLINE ON RESERVE SHUTDOWN
0004	RS	05/10/2006 12:44	05/27/2006 00:23	395.65	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO OFFLINE TO RESERVE SHUTDOWN
0005	RS	06/01/2006 23:20	06/09/2006 02:44	171.40	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT CALLED TO GO TO RESERVE SHUTDOWN
0006	D4	07/12/2006 00:00	07/12/2006 04:30	4.50	30.43	63.00	0340	OTHER PULVERIZER PROBLEMS; REPLACE BALLS IN 2B PULVERIZER. UNEVEN WEAR OF PULVERIZER BALLS
0007	RS	09/05/2006 21:46	09/20/2006 18:33	356.78	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN.
0008	MO	12/13/2006 10:16	12/14/2006 18:15	31.98	100.00	1,471.23	4710	GENERATOR METERING DEVICES; INSTALLING GENERATOR OUTPUT METERS AND STATION SERVICE USAGE METERS
0009	U1	12/19/2006 21:24	12/20/2006 23:45	26.35	100.00	1,212.10	1350	OTHER TUBE PROBLEMS; TUBE REPORT, CAUSE - WATERSIDE STRESS ASSISTED CORROSION
0010	RS	12/20/2006 23:45	12/31/2006 00:00	240.25	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	01/13/2006 12:13	01/13/2006 15:10	2.95	69.14	330.40	1460	INDUCED DRAFT FAN FOULING; HIGH VIBRATION ON "B" OB FAN BEARING
0002	D4	02/19/2006 11:00	02/19/2006 11:50	0.83	11.11	15.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); EXHAUSTER COAL LEAK
0003	D1	02/20/2006 00:46	02/20/2006 00:59	0.22	14.81	5.20	0250	PULVERIZER FEEDERS; PLUGGED FEEDER
0004	D1	02/20/2006 06:10	02/20/2006 06:20	0.17	3.70	1.00	0250	PULVERIZER FEEDERS; PLUGGED COAL PIPE
0005	D4	02/27/2006 11:00	02/27/2006 14:50	3.83	16.67	103.50	0310	PULVERIZER MILLS; MILL INSPECTION
0006	D4	02/28/2006 11:00	02/28/2006 15:35	4.58	16.67	123.75	0310	PULVERIZER MILLS; MILL INSPECTION- SET SPRING TENSION & ADJUST MILL ROLLS
0007	D4	03/02/2006 07:00	03/02/2006 12:00	5.00	16.67	135.00	0310	PULVERIZER MILLS; PULVERIZER INSPECTION
0008	D1	03/02/2006 10:30	03/02/2006 11:45	1.25	59.88	87.50	8790	MISCELLANEOUS CEMS PROBLEMS; EMISSION MONITORING PROBE BROKE OFF IN 1B ID FAN DUCT - TOOK FAN OUT TO REMOVE PROBE
0016	D4	03/03/2006 12:00	03/03/2006 15:15	3.25	16.67	87.75	0310	PULVERIZER MILLS; 1D MILL INSPECTION
0009	D4	03/06/2006 08:00	03/06/2006 11:39	3.65	27.16	160.60	0250	PULVERIZER FEEDERS; FEEDER CALIBRATION
0010	D4	03/06/2006 11:40	03/06/2006 14:48	3.13	27.16	137.87	0250	PULVERIZER FEEDERS; FEEDER CALIBRATION
0011	NC	03/22/2006 03:50	03/22/2006 04:15	0.42	0.00	0.00	3661	4000-7000 VOLT CIRCUIT BREAKERS; SWAPPED 1-D 4160V BREAKER FOR SPARE TO DO MAINT.
0012	NC	03/23/2006 03:13	03/23/2006 03:16	0.05	0.00	0.00	3661	4000-7000 VOLT CIRCUIT BREAKERS; TOOK SPARE 4160V BREAKER BACK IN 1-D MILL CUBICLE. PUT NORMAL BREAKER BACK IN.
0013	D1	03/28/2006 17:15	03/29/2006 01:15	8.00	19.75	256.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; MILL ROLL NOT GRINDING- REMOVED A 4X4
0014	D1	03/28/2006 23:56	03/29/2006 06:30	6.57	38.27	365.00	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; OIL LEAK OB PUMP BEARING
0015	D1	04/18/2006 17:50	04/18/2006 18:15	0.42	18.52	12.50	0320	FOREIGN OBJECT IN PULVERIZER MILL;
0017	MO	05/06/2006 01:45	05/10/2006 02:16	96.52	100.00	15,635.70	1810	OTHER BOILER INSPECTIONS; BOILER INSPECTION, WASH AIR HEATERS AND SHOOT CONDENSER.
0018	D1	05/10/2006 05:23	05/10/2006 10:15	4.87	17.90	141.13	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); 1A MILL OUT OF SERVICE TO FIX COAL LEAK

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0019	D4	05/18/2006 23:00	05/19/2006 02:20	3.33	37.65	203.33	3410	FEEDWATER PUMP; 1A BFP LEAKING WELD ON CASING DRAIN
0020	D1	06/05/2006 00:01	06/05/2006 02:05	2.07	19.75	66.13	9270	WET COAL (OMC); WET COAL
0021	D1	06/14/2006 23:31	06/14/2006 23:57	0.43	20.37	14.30	0320	FOREIGN OBJECT IN PULVERIZER MILL; 1-D MILL FOREIGN OBJECT IN MILL
0022	D1	06/16/2006 01:51	06/16/2006 03:30	1.65	19.14	51.15	0320	FOREIGN OBJECT IN PULVERIZER MILL; 1-B MILL FOREIGN OBJECT IN MILL
0023	NC	06/20/2006 08:43	06/20/2006 12:34	3.85	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; FOREIGN OBJECT IN 1A MILL
0024	NC	06/20/2006 14:20	06/20/2006 16:55	2.58	0.00	0.00	0310	PULVERIZER MILLS; 1A MILL LOOSE SCRAPER BLADE
0025	NC	07/07/2006 06:00	07/07/2006 06:20	0.33	0.00	0.00	0310	PULVERIZER MILLS; ADJUSTED 1C PULVERIZER MILL ROLLS
0026	D2	07/23/2006 18:46	07/24/2006 02:43	7.95	24.69	318.00	9630	OPACITY; OPACITY PROBLEMS
0027	NC	07/25/2006 07:00	07/25/2006 07:45	0.75	0.00	0.00	0310	PULVERIZER MILLS; 1C MILL - ADJUST MILL ROLLS.
0028	D4	07/26/2006 10:00	07/26/2006 18:00	8.00	10.49	136.00	1000	WATERWALL (FURNACE WALL); WATER WALL TUBE LEAK.
0029	MO	07/26/2006 20:35	07/28/2006 03:47	31.20	100.00	5,054.40	1000	WATERWALL (FURNACE WALL); FURNACE WALL TUBE LEAK
0030	D1	08/05/2006 11:50	08/05/2006 12:50	1.00	14.81	24.00	0325	PULVERIZER SKIDDING; 1C MILL ROLLS NEEDED ADJUSTING.
0031	D4	08/11/2006 05:00	08/11/2006 08:20	3.33	24.69	133.33	0310	PULVERIZER MILLS; CHANGE MILL ROLLS
0032	NC	08/31/2006 23:00	09/01/2006 02:10	3.17	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; INSPECT 1A MILL FOR FOREIGN OBJECTS.
0033	D1	09/15/2006 03:45	09/15/2006 14:00	10.25	62.96	1,045.50	3110	CONDENSER TUBE LEAKS; SOUTH SIDE CONDENSER TUBE LEAK.
							3110	CONTRIBUTED TO PRIMARY CAUSE; CONDENSER TUBE LEAKS; SOUTH SIDE CONDENSER TUBE LEAK.
							3110	CONTRIBUTED TO PRIMARY CAUSE; CONDENSER TUBE LEAKS; SOUTH SIDE CONDENSER TUBE LEAK.
0034	D1	09/16/2006 22:07	09/17/2006 01:40	3.55	6.17	35.50	0310	PULVERIZER MILLS; AMPS LOAD ON MILL MAXED OUT DUE TO FUEL. (POOR QUALITY COAL)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0035	U1	09/20/2006 00:34	09/22/2006 08:43	56.15	100.00	9,096.30	9010	FIRE; #2 COAL CONVEYOR FIRE
0036	U1	09/23/2006 18:43	09/30/2006 22:07	171.40	100.00	27,766.80	9010	FIRE; FIRE ON #2 COAL CONVEYOR (BACK OFF LINE AFTER BURNING COAL OUT OF BUNKERS)
0037	D1	10/02/2006 13:51	10/02/2006 15:27	1.60	19.75	51.20	3230	CIRCULATING WATER VALVES; AIR BUBBLE IN CONDENSER DUE TO INLET VALVE WOULDN'T OPEN ALL THE WAY.
0038	D1	10/14/2006 07:08	10/14/2006 08:20	1.20	13.58	26.40	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 1A MILL COAL LEAK
0039	D1	10/15/2006 20:37	10/15/2006 23:59	3.37	58.64	319.83	3110	CONDENSER TUBE LEAKS; MAIN CONDENSER TUBE LEAK.
0040	D1	10/18/2006 16:43	10/18/2006 17:25	0.70	39.51	44.80	1475	INDUCED DRAFT FAN CONTROLS; SUPECT TUBE LEAK, PRESSURIZED PENT HOUSE
0041	D1	10/18/2006 17:55	10/18/2006 19:00	1.08	59.88	105.08	1810	OTHER BOILER INSPECTIONS; OPEN AND INSPECT PENTHOUSE AREA
0042	D1	10/20/2006 15:51	10/22/2006 10:21	42.50	35.19	2,422.50	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0043	D1	10/23/2006 17:52	10/23/2006 23:00	5.13	7.41	61.60	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0044	D1	10/26/2006 06:30	10/28/2006 14:40	56.17	7.41	674.00	8550	ELECTROSTATIC PRECIPITATOR FOULING; OPACITY PROBLEMS, CUT LOAD TO MAINTAIN ENVIRONMENTAL COMPLIANCE.
0045	D1	10/28/2006 14:40	10/29/2006 07:36	17.93	24.69	717.33	8550	ELECTROSTATIC PRECIPITATOR FOULING; CUT TO MAINTAIN ENVIRONMENTAL COMPLIANCE.
0046	D1	10/29/2006 07:36	11/01/2006 23:26	87.83	36.42	5,182.17	8550	ELECTROSTATIC PRECIPITATOR FOULING; MAINTAIN ENVIRONMENTAL COMPLIANCE
0047	MO	11/01/2006 23:26	11/05/2006 04:24	76.97	100.00	12,468.60	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; REMOVE DOWN WIRES AND REPLACED BROKEN INSULATORS.

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Smith 2								
0001	D1	01/01/2006 02:15	01/01/2006 13:30	11.25	32.82	720.00	1476	INDUCED DRAFT FAN SPEED CHANGER; SPEED CHANGER FAILED TO SWAP- STUCK IN LOW SPEED
0002	D1	01/01/2006 11:00	01/01/2006 13:30	2.50	56.92	117.50	1476	INDUCED DRAFT FAN SPEED CHANGER; TOOK FAN OUT OF SERVICE TO REPAIR SPEED CHANGER
0004	D1	01/21/2006 00:33	01/21/2006 00:35	0.03	99.49	6.47	3979	OTHER DCS PROBLEMS; MALFUNCTION IN DCS UNIT CUT TO 1 MW
0005	D4	02/01/2006 08:00	02/01/2006 13:24	5.40	7.69	81.00	0310	PULVERIZER MILLS; MAINT. INSPECTING 2A MILL
0006	D4	02/03/2006 08:00	02/03/2006 14:30	6.50	12.82	162.50	0310	PULVERIZER MILLS; MAINT. INSPECTING 2B MILL-
0007	D4	02/06/2006 07:00	02/06/2006 14:48	7.80	7.69	117.00	0310	PULVERIZER MILLS; MAINT INSPECTING 2E MILL
0008	D4	02/08/2006 08:30	02/08/2006 13:50	5.33	7.69	80.00	0310	PULVERIZER MILLS; MAINT INSPECTED 2D MILL
0009	D4	02/09/2006 07:00	02/09/2006 14:00	7.00	7.69	105.00	0310	PULVERIZER MILLS; MAINT INSPECTED 2C MILL
0010	MO	02/10/2006 23:22	02/12/2006 15:08	39.77	100.00	7,754.50	1090	OTHER TUBE LEAKS; SUPERHEAT SPRAY TUBE LEAK IN PENTHOUSE CRACK IN WELD DUE TO THERMAL FATIGUE
0011	NC	02/14/2006 13:00	02/14/2006 14:40	1.67	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN MILL
0012	D1	02/19/2006 02:21	02/19/2006 02:46	0.42	99.49	80.83	1710	COMBUSTION / STEAM CONDITION CONTROLS; LOSS OF FIRES
0013	D1	02/19/2006 17:26	02/19/2006 17:50	0.40	3.59	2.80	0250	PULVERIZER FEEDERS; FEEDER PLUGGAGE
0014	D1	02/23/2006 06:00	02/23/2006 14:00	8.00	8.21	128.00	0340	OTHER PULVERIZER PROBLEMS; DEAD MILL ROLL
0015	D1	02/23/2006 09:20	02/23/2006 10:46	1.43	38.46	84.57	9900	OPERATOR ERROR; ISOLATED 2 BURNERS ON MILL IN SERVICE CAUSING MILL TO SKID
0016	NC	03/07/2006 08:00	03/07/2006 11:25	3.42	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER CALIBRATION "A"
0017	NC	03/07/2006 11:38	03/07/2006 14:40	3.03	0.00	0.00	0250	PULVERIZER FEEDERS; CALIBRATING "B" FEEDER
0018	D1	03/07/2006 15:00	03/07/2006 16:00	1.00	28.21	55.00	0250	PULVERIZER FEEDERS; CONTRIBUTED TO PRIMARY CAUSE; COMBUSTION / STEAM CONDITION CONTROLS; "B" FEEDER BELT TRACKED OFF TO ONE SIDE/ BOILER CONTROLS SWING

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0019	D1	03/07/2006 16:05	03/07/2006 16:35	0.50	23.08	22.50	0250	PULVERIZER FEEDERS; "B" FEEDER TRIPPED-BELT TRACKING
0020	NC	03/08/2006 09:40	03/08/2006 16:30	6.83	0.00	0.00	0250	PULVERIZER FEEDERS; CALIBRATED "C", "D", AND "E" FEEDERS
0021	D2	04/12/2006 07:00	04/12/2006 09:15	2.25	8.72	38.25	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); RERAIL COAL LEAK
0022	MO	04/25/2006 23:07	04/30/2006 06:37	103.50	100.00	20,182.50	1801	MINOR BOILER OVERHAUL (LESS THAN 720 HOURS.); BOILER INSPECTION, WASH AIR HEATERS AND CONDENSER
0023	NC	05/08/2006 14:15	05/08/2006 14:45	0.50	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 2D MILL OUT TO PATCH COAL PIPE LEAK
0024	U1	05/08/2006 16:09	05/08/2006 23:40	7.52	100.00	1,465.75	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); MAIN XFMR DIFF & OVER CURRENT RELAY OPERATION CAUSED BY BREAKER 2956 TRIPPED UNIT
0025	D1	05/09/2006 02:30	05/18/2006 09:30	223.00	28.21	12,265.00	3411	FEEDWATER PUMP DRIVE - MOTOR; 2B BOILER FEED PUMP MOTOR FAILURE
0026	D1	05/23/2006 08:27	05/23/2006 10:05	1.63	9.23	29.40	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED AND WILL NOT RUN PROPERLY
0027	D1	06/05/2006 00:22	06/05/2006 00:47	0.42	9.74	7.92	9270	WET COAL (OMC); WET COAL
0028	NC	06/24/2006 23:52	06/25/2006 06:30	6.63	0.00	0.00	3810	SERVICE WATER PUMPS AND MOTORS; 2B SERVICE WATER PUMP OUT OF SERVICE TO REPLACE IMPELLER
0029	U1	06/27/2006 01:50	06/27/2006 08:58	7.13	100.00	1,391.00	9900	OPERATOR ERROR; UNIT TRIPPED WHEN TESTING TRANSFER TRIPS
0030	NC	07/02/2006 02:39	07/02/2006 03:26	0.78	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; SWEEP FOREIGN OBJECT OUT OF MILL BOWL
0031	NC	07/06/2006 05:00	07/06/2006 08:22	3.37	0.00	0.00	0310	PULVERIZER MILLS; REMOVED 2D PULVERIZER FROM SERVICE TO CHANGE PULVERIZER MILL ROLLS.
0032	NC	07/10/2006 03:47	07/10/2006 05:00	1.22	0.00	0.00	9630	OPACITY; OPACITY MONITOR MALFUNCTION
0033	D1	07/15/2006 03:03	07/22/2006 05:52	170.82	32.82	10,932.27	3411	FEEDWATER PUMP DRIVE - MOTOR; 2B BFP INSTANTANEOUS HIGH AMP TRIP
0034	NC	07/19/2006 09:00	07/19/2006 14:20	5.33	0.00	0.00	0310	PULVERIZER MILLS; CHANGE OUT 2C MILL ROLLS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0035	D4	07/22/2006 17:03	07/22/2006 23:06	6.05	32.82	387.20	3411	FEEDWATER PUMP DRIVE - MOTOR; 2B BFP INSTALL FORCED OIL SYSTEM TO REDUCE HIGH BEARING TEMPERATURE
0036	D1	08/01/2006 17:20	08/01/2006 19:00	1.67	13.33	43.33	9630	OPACITY; CUT LOAD DUE TO OPACITY.
0037	NC	08/02/2006 18:00	08/02/2006 23:00	5.00	0.00	0.00	0310	PULVERIZER MILLS; COAL STICKING GOING TO MILL.
0038	NC	08/02/2006 21:00	08/02/2006 22:00	1.00	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; SCRAP METAL IN 2B MILL FROM COAL.
0039	NC	08/05/2006 23:00	08/06/2006 01:00	2.00	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN 2C MILL.
0040	NC	08/08/2006 07:05	08/08/2006 07:26	0.35	0.00	0.00	0030	COAL CONVEYORS AND FEEDERS; 2E BUNKER RAN OUT OF COAL.
0041	NC	08/09/2006 07:42	08/09/2006 09:00	1.30	0.00	0.00	0310	PULVERIZER MILLS; 2B MILL ROLLS ADJUSTMENT.
0042	NC	08/17/2006 20:05	08/17/2006 21:21	1.27	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE 10FT. OF CHAIN FROM 2B MILL.
0043	D1	08/18/2006 20:00	08/18/2006 20:35	0.58	1.03	1.17	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; 600V SUPPLY BREAKER TRIPPED DURING RAIN STORM - CONTROL CABINETS GOT WET.
0044	D1	08/27/2006 12:32	08/27/2006 13:12	0.67	16.41	21.33	0320	FOREIGN OBJECT IN PULVERIZER MILL; FOREIGN OBJECT STUCK IN 2D MILL CAUSING 2 DEAD MILL ROLLS AND HIGH BOWL DIFFERENTIAL.
0045	NC	08/31/2006 13:25	08/31/2006 14:30	1.08	0.00	0.00	0310	PULVERIZER MILLS; 2D MILL ROLLS NEED TO BE ADJUSTED
0046	D1	09/16/2006 20:56	09/16/2006 21:38	0.70	94.87	129.50	0250	PULVERIZER FEEDERS; LOST 2B FEEDER, DUE TO STICKING COAL. O2 GOT TOO LOW, PUT FIRE OUT IN BOILER.
0047	D1	09/16/2006 21:38	09/17/2006 05:30	7.87	25.64	393.33	0320	FOREIGN OBJECT IN PULVERIZER MILL; POOR COAL QUALITY, TRASH IN COAL, MILL NOT GRINDING
0048	D1	09/17/2006 05:30	09/17/2006 09:15	3.75	23.08	168.75	0310	PULVERIZER MILLS; ADJUSTED 2C MILL ROLLS (POOR COAL QUALITY)
0050	NC	09/18/2006 20:10	09/22/2006 18:06	93.93	0.00	0.00	0205	PULVERIZER EXHAUSTER FAN DRIVE; 2A EXHAUSTER FAN FAILURE.
0049	U1	09/20/2006 00:39	09/23/2006 09:26	80.78	100.00	15,752.75	9010	FIRE; #2 COAL CONVEYOR FIRE

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0051	U1	09/24/2006 16:52	09/30/2006 00:00	127.13	100.00	24,791.00	9010	FIRE; #2 COAL CONVEYOR BELT FIRE (BURNED COAL OUT OF BUNKERS)
0052	PO	09/30/2006 00:00	10/18/2006 12:25	444.42	100.00	86,661.25	4613	HYDROGEN SEALS; REPLACE HYDROGEN SEALS WITH CARBON SEALS
0053	PO	10/18/2006 18:28	10/19/2006 00:07	5.65	100.00	1,101.75	4640	SEAL OIL SYSTEM AND SEALS; FAIL AFTER UNIT START-UP, SEAL OIL BYPASS TEMP HIGH.
0054	D1	11/07/2006 08:51	11/07/2006 09:55	1.07	9.74	20.27	0250	PULVERIZER FEEDERS; 2B FEEDER PLUGGED DUE TO WET COAL AND BROKEN SCRAPER BLADE.
0055	NC	11/11/2006 06:20	11/19/2006 10:05	195.75	0.00	0.00	0310	PULVERIZER MILLS; 2A PULVERIZER & EXHAUSTER FIRE
0056	D1	11/17/2006 09:41	11/18/2006 13:00	27.32	20.51	1,092.67	9270	WET COAL (OMC); WET COAL, NOT ABLE TO HOLD MILL TEMPS.
0057	D1	11/21/2006 21:05	11/22/2006 12:12	15.12	10.26	302.33	9270	WET COAL (OMC); WET COAL, POOR FUEL QUALITY
0058	U1	11/30/2006 02:31	11/30/2006 12:25	9.90	100.00	1,930.50	4899	OTHER GENERATOR PROBLEMS; SEAL OIL SYSTEM WOULDN'T MAINTAIN GENERATOR HYDROGEN PRESSURE.
0059	D1	12/14/2006 10:49	12/14/2006 11:00	0.18	74.36	26.58	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); WE GOT AN PRIORITY LOWER ON B THRU E FEEDERS & PRIMARY AIR B THRU E. FLASH MEMORY BAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/01/2006 00:00	01/05/2006 19:55	115.92	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	01/05/2006 22:02	01/06/2006 05:52	7.83	33.90	1,410.00	6161	HP STARTUP BYPASS SYSTEM VALVES; HP BYPASS BLOCKING VALVE PACKING BLEW OUT.
0003	D1	01/06/2006 11:25	01/07/2006 02:19	14.90	33.90	2,682.00	6161	HP STARTUP BYPASS SYSTEM VALVES; "A" HP BYPASS BLOCKING VALVE PACKING BLEW OUT
0004	RS	01/07/2006 22:11	01/08/2006 05:21	7.17	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	01/08/2006 21:20	01/09/2006 04:12	6.87	0.00	0.00	0000	RESERVE SHUTDOWN
0006	RS	01/09/2006 22:15	01/14/2006 07:28	105.22	0.00	0.00	0000	RESERVE SHUTDOWN
0007	RS	01/15/2006 22:47	01/17/2006 23:23	48.60	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	01/19/2006 08:58	01/24/2006 21:29	132.52	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	01/27/2006 11:55	01/31/2006 11:27	95.53	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	02/01/2006 08:36	02/04/2006 05:25	68.82	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	02/10/2006 21:52	02/11/2006 05:20	7.47	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	02/14/2006 19:47	02/17/2006 23:15	75.47	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	02/20/2006 20:55	02/21/2006 02:08	5.22	0.00	0.00	0000	RESERVE SHUTDOWN
0014	RS	02/21/2006 22:51	02/22/2006 04:15	5.40	0.00	0.00	0000	RESERVE SHUTDOWN
0015	D1	02/22/2006 04:44	02/22/2006 06:56	2.20	33.90	396.00	3430	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE; "B" HP FW CONTROL VALVE ACTUATOR CAME LOOSE FROM STEM AND LOST FEEDBACK SIGNAL.
0016	RS	02/22/2006 14:47	02/26/2006 11:15	92.47	0.00	0.00	0000	RESERVE SHUTDOWN
0017	D1	02/27/2006 10:06	02/28/2006 08:51	22.75	33.90	4,095.00	0801	HP DRUM (INCLUDING DRUM LEVEL TRIPS NOT ATTRIBUTABLE TO OTHER CAUSES); HP DRUM DOOR (SOUTH) GASKET BLEW OUT.
0018	RS	02/27/2006 11:42	03/06/2006 22:30	178.80	0.00	0.00	0000	RESERVE SHUTDOWN
0019	RS	03/07/2006 22:31	03/08/2006 06:33	8.03	0.00	0.00	0000	RESERVE SHUTDOWN
0020	RS	03/08/2006 23:07	03/12/2006 05:27	78.33	0.00	0.00	0000	RESERVE SHUTDOWN
0021	D1	03/12/2006 10:03	03/12/2006 10:33	0.50	32.20	85.50	6171	IP STARTUP BYPASS SYSTEM VALVES; STEAM TURBINE TRIP DUE TO HIGH EXHAUST BACK PRESSURE.
0022	D1	03/12/2006 16:00	03/12/2006 16:20	0.33	27.31	48.33	5049	OTHER FUEL SYSTEM PROBLEMS; "A" GT RUNBACK DUE TO LOW FUEL GAS TEMPERATURE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0023	RS	03/16/2006 22:46	03/18/2006 03:58	29.20	0.00	0.00	0000	RESERVE SHUTDOWN
0024	RS	03/18/2006 22:56	03/19/2006 12:17	13.35	0.00	0.00	0000	RESERVE SHUTDOWN
0025	D1	03/24/2006 06:45	03/24/2006 07:15	0.50	44.44	118.00	5048	GAS FUEL SYSTEM; "A" FUEL GAS HEATER LEAK CAUSED LOW GAS TEMP RUNBACK ON GT
0026	RS	03/25/2006 22:53	03/27/2006 00:00	25.12	0.00	0.00	0000	RESERVE SHUTDOWN
0027	PO	03/27/2006 00:00	04/08/2006 08:33	295.55	100.00	147,808.45	5270	HOT END INSPECTION; PLANNED OUTAGE - HOT GAS PATH INSPECTION 3B GTAND MISC 3A GT INSPECTIONS
0028	PD	04/08/2006 08:33	04/13/2006 08:52	120.32	32.78	18,889.72	5270	HOT END INSPECTION; 3B GT HOT GAS PATH INSPECTION
0029	RS	04/08/2006 20:19	04/10/2006 03:55	31.60	0.00	0.00	0000	RESERVE SHUTDOWN
0030	RS	04/11/2006 23:05	04/12/2006 05:54	6.82	0.00	0.00	0000	RESERVE SHUTDOWN
0031	RS	04/12/2006 23:01	04/13/2006 05:00	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0032	RS	04/13/2006 22:04	04/14/2006 04:16	6.20	0.00	0.00	0000	RESERVE SHUTDOWN
0033	RS	04/14/2006 20:12	04/15/2006 05:53	9.68	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	04/15/2006 22:04	04/16/2006 06:55	8.85	0.00	0.00	0000	RESERVE SHUTDOWN
0035	RS	04/17/2006 23:22	04/18/2006 05:26	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0036	RS	04/18/2006 23:08	04/19/2006 05:57	6.82	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	04/19/2006 22:00	04/20/2006 05:09	7.15	0.00	0.00	0000	RESERVE SHUTDOWN
0038	RS	04/20/2006 21:46	04/21/2006 04:15	6.48	0.00	0.00	0000	RESERVE SHUTDOWN
0039	RS	04/22/2006 20:55	04/23/2006 09:29	12.57	0.00	0.00	0000	RESERVE SHUTDOWN
0040	RS	04/24/2006 23:04	04/25/2006 05:45	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0041	RS	04/26/2006 22:20	04/27/2006 06:04	7.73	0.00	0.00	0000	RESERVE SHUTDOWN
0042	RS	04/27/2006 21:29	05/02/2006 02:19	100.83	0.00	0.00	0000	RESERVE SHUTDOWN
0043	RS	05/02/2006 22:39	05/03/2006 04:39	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0044	U1	05/03/2006 08:07	05/03/2006 08:38	0.52	100.00	247.48	3250	CIRCULATING WATER SYSTEM INSTRUMENTS AND CONTROLS; CIRCULATORS TRIPPED WHEN COOLING TOWER BASIN LEVEL TRANSMITTERS WENT TO BAD QUALITY.
0045	RS	05/03/2006 22:08	05/04/2006 03:46	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0046	RS	05/04/2006 22:45	05/05/2006 05:07	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0047	RS	05/05/2006 22:38	05/06/2006 09:22	10.73	0.00	0.00	0000	RESERVE SHUTDOWN
0048	RS	05/06/2006 22:09	05/08/2006 05:14	31.08	0.00	0.00	0000	RESERVE SHUTDOWN

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0049	RS	05/08/2006 21:36	05/09/2006 07:04	9.47	0.00	0.00	0000	RESERVE SHUTDOWN
0050	RS	05/09/2006 21:10	05/10/2006 08:37	11.45	0.00	0.00	0000	RESERVE SHUTDOWN
0051	RS	05/10/2006 22:05	05/11/2006 06:54	8.82	0.00	0.00	0000	RESERVE SHUTDOWN
0052	RS	05/11/2006 21:53	05/12/2006 08:54	11.02	0.00	0.00	0000	RESERVE SHUTDOWN
0053	RS	05/12/2006 20:00	05/16/2006 02:24	78.40	0.00	0.00	0000	RESERVE SHUTDOWN
0054	RS	05/16/2006 21:57	05/17/2006 03:33	5.60	0.00	0.00	0000	RESERVE SHUTDOWN
0055	RS	05/17/2006 22:38	05/18/2006 03:39	5.02	0.00	0.00	0000	RESERVE SHUTDOWN
0056	RS	05/18/2006 22:17	05/19/2006 04:09	5.87	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	05/23/2006 23:23	05/24/2006 10:50	11.45	0.00	0.00	0000	RESERVE SHUTDOWN
0058	U1	05/24/2006 12:02	05/24/2006 12:45	0.72	100.00	343.28	9920	CONTRACTOR ERROR; B GT ON GAS PRESSURE CAUSED BY GAS COMPANY ADJUSTING REGULATING VALVE
0059	RS	05/25/2006 00:12	05/25/2006 08:10	7.97	0.00	0.00	0000	RESERVE SHUTDOWN
0060	RS	05/25/2006 23:16	05/26/2006 08:06	8.83	0.00	0.00	0000	RESERVE SHUTDOWN
0061	RS	05/26/2006 23:22	05/27/2006 08:53	9.52	0.00	0.00	0000	RESERVE SHUTDOWN
0062	RS	05/27/2006 22:12	05/28/2006 07:54	9.70	0.00	0.00	0000	RESERVE SHUTDOWN
0063	RS	05/28/2006 22:25	05/29/2006 08:51	10.43	0.00	0.00	0000	RESERVE SHUTDOWN
0064	RS	05/29/2006 21:32	05/30/2006 05:58	8.43	0.00	0.00	0000	RESERVE SHUTDOWN
0065	RS	05/30/2006 22:16	05/31/2006 08:15	9.98	0.00	0.00	0000	RESERVE SHUTDOWN
0066	RS	05/31/2006 23:02	06/01/2006 07:15	8.22	0.00	0.00	0000	RESERVE SHUTDOWN
0067	RS	06/01/2006 23:18	06/02/2006 07:07	7.82	0.00	0.00	0000	RESERVE SHUTDOWN
0068	RS	06/02/2006 22:55	06/03/2006 08:02	9.12	0.00	0.00	0000	RESERVE SHUTDOWN
0069	RS	06/03/2006 21:39	06/04/2006 09:07	11.47	0.00	0.00	0000	RESERVE SHUTDOWN
0070	RS	06/04/2006 21:40	06/05/2006 06:53	9.22	0.00	0.00	0000	RESERVE SHUTDOWN
0071	RS	06/05/2006 22:04	06/06/2006 08:31	10.45	0.00	0.00	0000	RESERVE SHUTDOWN
0072	RS	06/06/2006 22:01	06/07/2006 05:58	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0073	RS	06/07/2006 21:16	06/08/2006 07:57	10.68	0.00	0.00	0000	RESERVE SHUTDOWN
0074	RS	06/08/2006 22:28	06/09/2006 07:58	9.50	0.00	0.00	0000	RESERVE SHUTDOWN
0075	RS	06/09/2006 22:27	06/10/2006 07:59	9.53	0.00	0.00	0000	RESERVE SHUTDOWN
0076	RS	06/10/2006 22:57	06/11/2006 08:02	9.08	0.00	0.00	0000	RESERVE SHUTDOWN
0077	RS	06/11/2006 22:49	06/12/2006 07:03	8.23	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0078	RS	06/12/2006 21:44	06/13/2006 06:58	9.23	0.00	0.00	0000	RESERVE SHUTDOWN
0079	RS	06/13/2006 22:32	06/14/2006 05:55	7.38	0.00	0.00	0000	RESERVE SHUTDOWN
0080	RS	06/14/2006 22:18	06/15/2006 07:59	9.68	0.00	0.00	0000	RESERVE SHUTDOWN
0081	RS	06/15/2006 22:48	06/16/2006 07:58	9.17	0.00	0.00	0000	RESERVE SHUTDOWN
0082	RS	06/16/2006 22:31	06/17/2006 06:59	8.47	0.00	0.00	0000	RESERVE SHUTDOWN
0083	RS	06/17/2006 22:02	06/18/2006 08:58	10.93	0.00	0.00	0000	RESERVE SHUTDOWN
0084	RS	06/18/2006 20:06	06/19/2006 07:08	11.03	0.00	0.00	0000	RESERVE SHUTDOWN
0085	RS	06/19/2006 21:42	06/20/2006 05:58	8.27	0.00	0.00	0000	RESERVE SHUTDOWN
0086	RS	06/20/2006 23:22	06/21/2006 05:58	6.60	0.00	0.00	0000	RESERVE SHUTDOWN
0087	RS	06/21/2006 21:53	06/22/2006 05:58	8.08	0.00	0.00	0000	RESERVE SHUTDOWN
0088	RS	06/22/2006 23:21	06/23/2006 05:47	6.43	0.00	0.00	0000	RESERVE SHUTDOWN
0089	NC	06/23/2006 10:40	06/23/2006 12:20	1.67	0.00	0.00	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; INLET BLEED HEAT VALVE STICKING OPEN. AFTER STARTUP, DELAYED UNIT FROM REACHING LOAD POINT; HIGH PRESSURE COMPRESSOR BLEED VALVES; INLET BLEED HEAT VALVE STICKING.
0090	RS	06/24/2006 00:35	06/24/2006 07:41	7.10	0.00	0.00	0000	RESERVE SHUTDOWN
0091	RS	06/24/2006 21:49	06/25/2006 07:52	10.05	0.00	0.00	0000	RESERVE SHUTDOWN
0092	RS	06/25/2006 22:28	06/26/2006 05:56	7.47	0.00	0.00	0000	RESERVE SHUTDOWN
0093	RS	06/27/2006 01:04	06/27/2006 07:52	6.80	0.00	0.00	0000	RESERVE SHUTDOWN
0094	RS	06/27/2006 22:25	06/28/2006 05:58	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0099	D4	06/30/2006 07:07	06/30/2006 17:46	10.65	32.78	1,672.05	5274	GENERAL UNIT INSPECTION; "A" GT R0 INSPECTION
0095	RS	07/01/2006 00:19	07/01/2006 06:57	6.63	0.00	0.00	0000	RESERVE SHUTDOWN
0096	RS	07/01/2006 22:57	07/02/2006 07:58	9.02	0.00	0.00	0000	RESERVE SHUTDOWN
0097	D4	07/02/2006 00:01	07/02/2006 17:18	17.28	32.78	2,713.48	5274	GENERAL UNIT INSPECTION; "B" GT R0 INSPECTION
0098	RS	07/02/2006 23:07	07/03/2006 06:02	6.92	0.00	0.00	0000	RESERVE SHUTDOWN
0100	RS	07/03/2006 22:31	07/04/2006 06:57	8.43	0.00	0.00	0000	RESERVE SHUTDOWN
0101	RS	07/04/2006 21:54	07/05/2006 06:02	8.13	0.00	0.00	0000	RESERVE SHUTDOWN
0102	RS	07/05/2006 22:11	07/06/2006 04:57	6.77	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0103	RS	07/06/2006 23:02	07/07/2006 06:59	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0104	RS	07/07/2006 23:04	07/08/2006 08:48	9.73	0.00	0.00	0000	RESERVE SHUTDOWN
0105	RS	07/08/2006 22:35	07/09/2006 08:55	10.33	0.00	0.00	0000	RESERVE SHUTDOWN
0106	RS	07/09/2006 22:34	07/10/2006 06:59	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0107	D1	07/10/2006 07:00	07/10/2006 09:30	2.50	32.78	392.50	5048	GAS FUEL SYSTEM; AUX. GAS VALVE WOULD NOT OPEN ON B GAS TURBINE
0108	RS	07/10/2006 22:48	07/11/2006 07:24	8.60	0.00	0.00	0000	RESERVE SHUTDOWN
0109	RS	07/11/2006 22:28	07/12/2006 07:01	8.55	0.00	0.00	0000	RESERVE SHUTDOWN
0110	RS	07/12/2006 22:55	07/13/2006 06:00	7.08	0.00	0.00	0000	RESERVE SHUTDOWN
0111	RS	07/20/2006 00:05	07/20/2006 05:55	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0112	RS	07/21/2006 00:34	07/21/2006 05:48	5.23	0.00	0.00	0000	RESERVE SHUTDOWN
0113	RS	07/21/2006 23:37	07/22/2006 07:00	7.38	0.00	0.00	0000	RESERVE SHUTDOWN
0114	RS	07/22/2006 22:32	07/23/2006 07:58	9.43	0.00	0.00	0000	RESERVE SHUTDOWN
0115	RS	07/23/2006 20:27	07/24/2006 05:57	9.50	0.00	0.00	0000	RESERVE SHUTDOWN
0116	RS	07/24/2006 19:28	07/25/2006 06:54	11.43	0.00	0.00	0000	RESERVE SHUTDOWN
0117	RS	07/25/2006 21:45	07/26/2006 06:01	8.27	0.00	0.00	0000	RESERVE SHUTDOWN
0118	RS	07/26/2006 21:00	07/27/2006 06:56	9.93	0.00	0.00	0000	RESERVE SHUTDOWN
0119	RS	07/27/2006 23:07	07/28/2006 05:41	6.57	0.00	0.00	0000	RESERVE SHUTDOWN
0120	RS	07/28/2006 23:36	07/29/2006 06:27	6.85	0.00	0.00	0000	RESERVE SHUTDOWN
0121	RS	07/29/2006 21:36	07/30/2006 07:38	10.03	0.00	0.00	0000	RESERVE SHUTDOWN
0122	RS	07/30/2006 23:23	07/31/2006 06:14	6.85	0.00	0.00	0000	RESERVE SHUTDOWN
0123	RS	08/01/2006 23:30	08/02/2006 05:53	6.38	0.00	0.00	0000	RESERVE SHUTDOWN
0124	RS	08/19/2006 21:06	08/20/2006 06:29	9.38	0.00	0.00	0000	RESERVE SHUTDOWN
0125	RS	08/26/2006 00:03	08/26/2006 06:59	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0126	RS	08/26/2006 22:08	08/27/2006 06:55	8.78	0.00	0.00	0000	RESERVE SHUTDOWN
0127	RS	08/27/2006 22:31	08/28/2006 04:58	6.45	0.00	0.00	0000	RESERVE SHUTDOWN
0128	RS	08/30/2006 01:28	08/30/2006 07:35	6.12	0.00	0.00	0000	RESERVE SHUTDOWN
0129	RS	08/30/2006 20:57	08/31/2006 05:06	8.15	0.00	0.00	0000	RESERVE SHUTDOWN
0130	RS	08/31/2006 21:55	09/01/2006 07:52	9.95	0.00	0.00	0000	RESERVE SHUTDOWN
0131	D1	09/01/2006 08:12	09/01/2006 08:50	0.63	31.32	95.00	5041	FUEL PIPING AND VALVES; AUX. GAS VALVE WENT CLOSED AND WOULD NOT OPEN.

Event Listing With All Reported Cause Codes

January 01, 2006 00:00 - January 01, 2007 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0132	RS	09/01/2006 22:24	09/02/2006 08:41	10.28	0.00	0.00	0000	RESERVE SHUTDOWN
0133	RS	09/03/2006 00:20	09/03/2006 07:54	7.57	0.00	0.00	0000	RESERVE SHUTDOWN
0134	RS	09/04/2006 00:21	09/04/2006 10:45	10.40	0.00	0.00	0000	RESERVE SHUTDOWN
0135	RS	09/04/2006 22:27	09/05/2006 05:01	6.57	0.00	0.00	0000	RESERVE SHUTDOWN
0136	RS	09/05/2006 23:03	09/06/2006 05:49	6.77	0.00	0.00	0000	RESERVE SHUTDOWN
0137	RS	09/06/2006 23:33	09/07/2006 05:55	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0138	RS	09/07/2006 17:32	09/08/2006 02:54	9.37	0.00	0.00	0000	RESERVE SHUTDOWN
0139	RS	09/08/2006 22:15	09/09/2006 10:36	12.35	0.00	0.00	0000	RESERVE SHUTDOWN
0140	D4	09/08/2006 23:00	09/09/2006 23:00	24.00	31.32	3,600.00	5022	COMPRESSOR LP BLADES/BUCKETS; RO BLADES INSPECTION
0141	RS	09/09/2006 20:32	09/09/2006 23:00	2.47	0.00	0.00	0000	RESERVE SHUTDOWN
0142	MO	09/09/2006 23:00	09/11/2006 02:34	27.57	100.00	13,204.43	5012	COMPRESSOR HP BLADES/BUCKETS; RO BLADES INSPECTION
0143	RS	09/11/2006 21:38	09/12/2006 05:58	8.33	0.00	0.00	0000	RESERVE SHUTDOWN
0144	D4	09/12/2006 00:00	09/12/2006 16:53	16.88	31.32	2,532.50	5012	COMPRESSOR HP BLADES/BUCKETS; TO REMOVE SHIM FROM THE COMPRESSOR 'S S0 BLADES
0145	RS	09/12/2006 14:43	09/13/2006 03:01	12.30	0.00	0.00	0000	RESERVE SHUTDOWN
0146	RS	09/13/2006 21:14	09/14/2006 08:55	11.68	0.00	0.00	0000	RESERVE SHUTDOWN
0147	RS	09/14/2006 21:42	09/15/2006 09:52	12.17	0.00	0.00	0000	RESERVE SHUTDOWN
0148	RS	09/15/2006 19:54	09/16/2006 08:39	12.75	0.00	0.00	0000	RESERVE SHUTDOWN
0149	SF	09/16/2006 08:39	09/16/2006 10:15	1.60	100.00	766.40	6161	HP STARTUP BYPASS SYSTEM VALVES; PACKING BLOWN OUT ON HP BYPASS BLOCKING VALVE.
0150	D1	09/16/2006 12:19	09/16/2006 13:30	1.18	31.32	177.50	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; #14 EXHAUST THERMOCOUPLE FAILED AND TRIPPED ON "A" GT
0151	RS	09/16/2006 20:14	09/17/2006 09:45	13.52	0.00	0.00	0000	RESERVE SHUTDOWN
0152	RS	09/17/2006 20:51	09/18/2006 06:56	10.08	0.00	0.00	0000	RESERVE SHUTDOWN
0153	RS	09/18/2006 20:00	09/19/2006 08:09	12.15	0.00	0.00	0000	RESERVE SHUTDOWN
0154	RS	09/19/2006 22:16	09/20/2006 01:27	3.18	0.00	0.00	0000	RESERVE SHUTDOWN
0155	RS	10/05/2006 21:48	10/06/2006 07:11	9.38	0.00	0.00	0000	RESERVE SHUTDOWN
0156	RS	10/09/2006 21:21	10/10/2006 04:03	6.70	0.00	0.00	0000	RESERVE SHUTDOWN
0157	RS	10/20/2006 22:21	10/21/2006 09:26	11.08	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0158	RS	10/21/2006 22:00	10/22/2006 13:17	15.28	0.00	0.00	0000	RESERVE SHUTDOWN
0159	RS	10/27/2006 22:06	10/28/2006 06:58	8.87	0.00	0.00	0000	RESERVE SHUTDOWN
0160	RS	10/28/2006 13:46	10/31/2006 00:53	60.12	0.00	0.00	0000	RESERVE SHUTDOWN
0161	U1	10/31/2006 05:00	10/31/2006 08:06	3.10	100.00	1,484.90	5050	IGNITION SYSTEM; "A" GT IGNITOR EXCITER FAILED.
0162	RS	10/31/2006 22:09	11/01/2006 03:42	5.55	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0163	RS	11/01/2006 21:31	11/02/2006 04:00	6.48	0.00	0.00	0000	RESERVE SHUTDOWN
0164	RS	11/07/2006 21:36	11/08/2006 03:01	5.42	0.00	0.00	0000	RESERVE SHUTDOWN
0165	D1	11/08/2006 03:22	11/08/2006 15:15	11.88	38.04	2,400.43	5050	IGNITION SYSTEM; LCI WOULD NOT ROLL UP ON "A" GT. 89ND AND 89SSSWITCH WOULD NOT OPERATE
0166	RS	11/08/2006 22:23	11/09/2006 04:13	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0167	D1	11/09/2006 03:30	11/09/2006 10:12	6.70	38.04	1,353.40	5050	IGNITION SYSTEM; "B" GT FAILED TO START 89SS SWITCH WOULD NOT OPERATE
0168	RS	11/09/2006 22:30	11/10/2006 04:05	5.58	0.00	0.00	0000	RESERVE SHUTDOWN
0169	RS	11/10/2006 19:18	11/11/2006 06:52	11.57	0.00	0.00	0000	RESERVE SHUTDOWN
0170	RS	11/11/2006 23:32	11/12/2006 06:02	6.50	0.00	0.00	0000	RESERVE SHUTDOWN
0171	RS	11/15/2006 22:09	11/16/2006 03:54	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0172	D4	11/17/2006 12:36	11/20/2006 20:30	79.90	51.04	21,652.90	5022	COMPRESSOR LP BLADES/BUCKETS; REPLACED THE RO BLADES "A" GT
0173	RS	11/17/2006 20:55	11/20/2006 20:31	71.60	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN "B" GT
0174	RS	11/22/2006 19:33	11/26/2006 23:10	99.62	0.00	0.00	0000	RESERVE SHUTDOWN
0175	RS	11/27/2006 22:30	11/28/2006 04:09	5.65	0.00	0.00	0000	RESERVE SHUTDOWN
0176	RS	11/28/2006 21:07	11/29/2006 05:56	8.82	0.00	0.00	0000	RESERVE SHUTDOWN
0177	RS	11/29/2006 21:27	11/30/2006 03:59	6.53	0.00	0.00	0000	RESERVE SHUTDOWN
0178	D1	11/30/2006 06:00	11/30/2006 09:45	3.75	47.08	937.50	0710	BLOWDOWN SYSTEM PIPING; PHOSPHATE LINE ON "A" HRSG IP DRUM LEAKING
0179	RS	11/30/2006 21:51	12/01/2006 02:56	5.08	0.00	0.00	0000	RESERVE SHUTDOWN
0180	RS	12/02/2006 11:57	12/03/2006 02:42	14.75	0.00	0.00	0000	RESERVE SHUTDOWN
0181	RS	12/11/2006 21:53	12/12/2006 03:57	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0182	RS	12/12/2006 21:39	12/13/2006 03:30	5.85	0.00	0.00	0000	RESERVE SHUTDOWN
0183	RS	12/13/2006 22:12	12/14/2006 03:01	4.82	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0184	MO	12/15/2006 23:05	12/16/2006 18:15	19.17	100.00	10,177.50	5022	COMPRESSOR LP BLADES/BUCKETS; INSPECTION OF COMPRESSOR BLADES ON "B" GT AND COMPRESSOR BLADES SHIMS ON "A" GT
0185	D4	12/16/2006 18:15	12/17/2006 18:00	23.75	52.92	6,673.75	5022	COMPRESSOR LP BLADES/BUCKETS; INSPECTION OF "B" GT COMPRESSOR BLADES
0186	RS	12/17/2006 18:00	12/26/2006 19:32	217.53	0.00	0.00	0000	RESERVE SHUTDOWN
0187	RS	12/28/2006 22:08	01/01/2007 00:00	73.87	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2006 00:00	01/04/2006 10:37	82.62	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	01/04/2006 12:31	02/01/2006 07:21	666.83	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0003	RS	02/01/2006 07:55	02/04/2006 07:20	71.42	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER TEST RUN
0004	RS	02/04/2006 09:00	02/07/2006 07:00	70.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN AFTER PERFORMANCE TEST RUN
0005	MO	02/07/2006 07:00	02/10/2006 19:16	84.27	100.00	3,370.67	5674	GENERAL UNIT INSPECTION; MAINT. OUTAGE
0006	RS	02/10/2006 19:16	02/11/2006 11:10	15.90	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	02/11/2006 11:44	03/02/2006 06:23	450.65	0.00	0.00	0000	RESERVE SHUTDOWN
0007	RS	03/02/2006 07:00	03/15/2006 13:03	318.05	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	03/15/2006 14:09	04/01/2006 16:41	410.53	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	04/01/2006 16:54	04/04/2006 06:47	60.88	0.00	0.00	0000	RESERVE SHUTDOWN;
0011	RS	04/04/2006 07:17	04/12/2006 10:54	195.62	0.00	0.00	0000	RESERVE SHUTDOWN;
0012	RS	04/12/2006 11:07	04/19/2006 15:01	171.90	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	04/19/2006 15:46	05/03/2006 08:55	329.15	0.00	0.00	0000	RESERVE SHUTDOWN
0014	RS	05/03/2006 10:00	05/17/2006 10:20	336.33	0.00	0.00	0000	RESERVE SHUTDOWN
0015	RS	05/17/2006 10:59	05/31/2006 11:16	336.28	0.00	0.00	0000	RESERVE SHUTDOWN
0016	RS	05/31/2006 12:30	06/09/2006 10:50	214.33	0.00	0.00	0000	RESERVE SHUTDOWN
0017	RS	06/09/2006 11:34	06/29/2006 08:26	476.87	0.00	0.00	0000	RESERVE SHUTDOWN
0018	RS	06/29/2006 09:45	07/28/2006 11:25	697.67	0.00	0.00	0000	RESERVE SHUTDOWN
0019	RS	07/28/2006 11:59	08/09/2006 12:16	288.28	0.00	0.00	0000	RESERVE SHUTDOWN
0020	RS	08/09/2006 12:52	08/30/2006 11:09	502.28	0.00	0.00	0000	RESERVE SHUTDOWN; BLACK START
0021	RS	08/30/2006 11:40	09/06/2006 11:41	168.02	0.00	0.00	0000	RESERVE SHUTDOWN; TEST RUN
0022	RS	09/06/2006 12:38	11/15/2006 09:10	1677.53	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	11/15/2006 10:03	12/08/2006 10:31	552.47	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0024	PO	12/08/2006 10:31	12/08/2006 13:50	3.32	100.00	132.67	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); SUBSTATION PM`D BREAKER 2936
0025	RS	12/08/2006 13:50	12/21/2006 07:35	305.75	0.00	0.00	0000	RESERVE SHUTDOWN;
0026	RS	12/21/2006 08:15	01/01/2007 00:00	255.75	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/08/2006 12:24	01/08/2006 13:27	1.05	22.96	123.90	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0002	D4	01/10/2006 21:50	01/10/2006 22:30	0.67	18.68	64.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL TUNNING
0003	D4	01/11/2006 00:10	01/11/2006 01:30	1.33	32.68	224.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL TUNNING
0004	D4	01/11/2006 22:55	01/12/2006 00:30	1.58	45.53	370.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL TUNNING
0005	D4	01/12/2006 01:45	01/12/2006 03:11	1.43	36.19	266.60	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL TUNNING
0006	D4	01/12/2006 21:46	01/13/2006 00:54	3.13	62.06	999.53	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL TUNNING
0007	D1	01/15/2006 14:00	01/15/2006 14:40	0.67	2.92	10.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0008	D4	01/17/2006 15:24	01/17/2006 16:35	1.18	3.50	21.30	4301	TURBINE GOVERNING SYSTEM; OPERATOR CUT LOAD TO CHANGE OUT CARD ON #8 GOV. VALVE.
0009	D1	01/26/2006 07:52	01/26/2006 09:17	1.42	56.81	413.67	9910	MAINTENANCE PERSONNEL ERROR; MAINT TRIPPED 1A BFPT
0010	D1	01/29/2006 20:05	01/30/2006 04:20	8.25	72.76	3,085.50	3620	MAIN TRANSFORMER; MAIN POWER TRANSFORMER COOLING FAN FAIL AND LIMIT LOAD.
0011	D1	02/02/2006 10:12	02/02/2006 15:39	5.45	3.50	98.10	0250	PULVERIZER FEEDERS; REPLACED 1A FEEDER DOOR GASKET.
0012	D1	02/03/2006 13:27	02/03/2006 14:49	1.37	1.95	13.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0013	D4	02/10/2006 07:57	02/10/2006 11:30	3.55	19.65	358.55	0250	PULVERIZER FEEDERS; MAINT. REPAIR 1B FEEDER CLEAN-OUT CHAIN AND LIMIT LOAD.
0014	D1	02/10/2006 23:30	02/11/2006 00:30	1.00	4.67	24.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0015	D1	02/11/2006 11:30	02/11/2006 12:30	1.00	3.31	17.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0016	D1	02/14/2006 01:25	02/14/2006 01:41	0.27	14.98	20.53	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FAN TOPPED OUT AND LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D1	02/14/2006 23:50	02/15/2006 01:35	1.75	3.50	31.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0018	D4	02/16/2006 10:00	02/16/2006 10:45	0.75	53.31	205.50	3410	FEEDWATER PUMP; INSPECTED 1B BFP PRESSURE BY MAINT. LIMIT LOAD.
0019	D1	02/20/2006 19:48	02/20/2006 21:10	1.37	22.96	161.27	0250	PULVERIZER FEEDERS; REMOVE CONCRETE FROM 1A FEEDER.
0020	D1	02/22/2006 09:00	02/23/2006 03:59	18.98	14.01	1,366.80	0280	PULVERIZER FIRES; 1A MILL FIRE LIMIT LOAD.
0021	D1	02/23/2006 16:32	02/23/2006 17:00	0.47	14.98	35.93	9610	NOX STACK EMISSIONS; CUT LOAD DUE TO HIGH NOX.
0022	D4	02/28/2006 06:29	02/28/2006 06:49	0.33	11.87	20.33	3211	CIRCULATING WATER PUMP MOTORS; MAINT TIGHTEN BOLTS ON 1A CIRC. WATER PUMP MOTOR
0023	D1	03/09/2006 15:07	03/09/2006 15:34	0.45	7.39	17.10	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0024	D1	03/10/2006 12:30	03/10/2006 17:35	5.08	4.47	116.92	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0025	D3	03/11/2006 00:51	03/11/2006 03:35	2.73	99.03	1,391.27	1000	WATERWALL (FURNACE WALL); OPERATING AT REDUCED LOAD LOOKING FOR TUBE LEAK.
0026	D1	03/17/2006 18:30	03/17/2006 19:07	0.62	11.87	37.62	0250	PULVERIZER FEEDERS; 1-A FEEDER TRIP AND LIMIT LOAD.
0027	D4	03/25/2006 14:00	03/25/2006 17:00	3.00	26.07	402.00	0310	PULVERIZER MILLS; MAINT. REPLACES NORTH JOURNAL
0028	D1	04/03/2006 12:49	04/03/2006 12:55	0.10	6.61	3.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0029	MO	04/06/2006 00:11	04/11/2006 04:02	123.85	100.00	63,658.90	1591	STACK DAMPER AND LINKAGE; INSPECT AND REPAIR BOILER STACK.
0030	MO	04/11/2006 09:15	04/11/2006 14:26	5.18	100.00	2,664.23	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; BALANCE SHOT ON TURBINE
0031	D1	04/12/2006 09:18	04/12/2006 10:55	1.62	68.87	572.30	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP AND LIMIT LOAD
0032	D4	04/12/2006 23:45	04/13/2006 01:25	1.67	57.59	493.33	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK REPAIR #1 CORNOR,
0034	D4	04/13/2006 02:42	04/13/2006 03:25	0.72	25.10	92.45	0344	PULVERIZER INSPECTION; MAINT INSPECT 1B MILL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	D1	04/13/2006 06:45	04/13/2006 08:12	1.45	25.29	188.50	9630	OPACITY; OPACITY LOAD LIMIT.
0035	D1	04/24/2006 00:05	04/24/2006 05:20	5.25	36.19	976.50	0250	PULVERIZER FEEDERS; 1-D FEEDER OIL LEAK REPAIR.
0036	D1	05/03/2006 18:00	05/03/2006 19:15	1.25	8.56	55.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER UPSET DUE TO FURNACE PSI TRANSMITTER PROBLEMS.
0037	D1	05/24/2006 19:09	05/24/2006 20:19	1.17	35.80	214.67	0250	PULVERIZER FEEDERS; 1-A FEEDER TRIP DUE TO PIECE OF WOOD ON BELT.
0038	D1	05/29/2006 15:21	05/29/2006 16:21	1.00	5.06	26.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPERATOR SWITCHED SYS TO MANUEL, ALL FEEDERS TOPPED OUT.
0039	D1	05/31/2006 14:00	05/31/2006 19:13	5.22	4.28	114.77	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0040	D4	06/14/2006 11:00	06/14/2006 17:30	6.50	16.93	565.50	0310	PULVERIZER MILLS; MAINT. INSPECT AND REPAIR 1-E MILL AND LIMIT LOAD.
0041	D1	06/18/2006 05:00	06/18/2006 05:36	0.60	26.85	82.80	0250	PULVERIZER FEEDERS; 1-E FEEDER TRIP LIMIT LOAD.
0042	D2	06/23/2006 22:00	06/24/2006 08:23	10.38	16.93	903.35	0344	PULVERIZER INSPECTION; MAINT INSP. 1-A MILL NOISE. FOUND ROLLER JOURNAL BROKEN. REPLACED INKIND.
0043	D2	06/26/2006 23:35	06/27/2006 00:31	0.93	27.04	129.73	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; REMOVE METAL FROM SCRAPER SECTION LIMIT LOAD.
0044	D1	06/29/2006 00:47	06/29/2006 09:45	8.97	21.21	977.37	0250	PULVERIZER FEEDERS; E FEEDER TRIP. REPLACED FEEDER BELT .
0045	D1	07/03/2006 08:15	07/03/2006 10:44	2.48	4.09	52.15	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT LIMIT LOAD.
0046	D1	07/04/2006 13:21	07/04/2006 23:05	9.73	4.09	204.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT LIMIT LOAD.
0047	D1	07/06/2006 19:30	07/06/2006 20:40	1.17	6.23	37.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED LIMIT LOAD
0048	D1	07/07/2006 01:15	07/07/2006 11:19	10.07	10.12	523.47	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT LIMIT LOAD.
0049	D1	07/10/2006 04:30	07/10/2006 06:15	1.75	14.59	131.25	0250	PULVERIZER FEEDERS; 1-B FEEDER CLEAN-OUT CHAIN REPAIR LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0050	D4	07/10/2006 21:45	07/11/2006 00:30	2.75	12.06	170.50	0310	PULVERIZER MILLS; MAINT. INSPECT NOISE IN 1-C MILL. SET ROLLER RING CLEARANCES.
0051	D1	07/11/2006 00:30	07/11/2006 02:35	2.08	62.45	668.75	3810	SERVICE WATER PUMPS AND MOTORS; LOST PRIME ON BOTH SERVICE WATER PUMPS AND LIMIT LOAD.
0052	D4	07/11/2006 17:45	07/11/2006 19:54	2.15	10.12	111.80	0310	PULVERIZER MILLS; MAINT SET ROLLER RING CLEARANCES ON 1-C MILL.
0053	NC	07/11/2006 23:00	07/12/2006 00:50	1.83	0.00	0.00	3431	OTHER FEEDWATER VALVES; MAINT WORK ON 1-B BFP MIN FLOW VALVE.
0054	D1	07/14/2006 14:40	07/14/2006 15:30	0.83	2.33	10.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0055	D1	07/18/2006 00:17	07/18/2006 04:55	4.63	13.04	310.43	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP. CONCRETE TORE BELT. REPLACED INKIND.
0056	D4	07/19/2006 06:30	07/19/2006 11:15	4.75	11.09	270.75	0250	PULVERIZER FEEDERS; MAINT REPLACED 1B FEEDER BELT.
0057	D3	07/30/2006 19:00	07/30/2006 21:00	2.00	19.65	202.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; MAINT REMOVE SEVERAL CHUNKS OF METAL FROM 1-A MILL.
0058	D1	08/10/2006 07:11	08/10/2006 10:20	3.15	9.73	157.50	0250	PULVERIZER FEEDERS; 1-E FEEDER OFF FOR MAINT. INSPECTION, FOUND NOTHING.
0059	D1	08/13/2006 05:04	08/13/2006 06:12	1.13	24.51	142.80	0250	PULVERIZER FEEDERS; 1-D FEEDER TRIP LIMIT LOAD.
0060	D2	08/13/2006 17:10	08/13/2006 17:41	0.52	27.63	73.37	0310	PULVERIZER MILLS; OPER CUT LOAD TO INSPECT 1-D MILL
0061	U1	08/15/2006 15:26	08/16/2006 00:32	9.10	100.00	4,677.40	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); SUBSTATION BREAKER 22116 EXPLOSION TRIPPED UNIT
0062	D1	08/16/2006 13:33	08/16/2006 14:25	0.87	10.12	45.07	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE WENT POSITIVE, BLEW OUT THE PLUGGED FURNACE PRESSURE TRANSMITTER TAPS
0063	D1	08/26/2006 02:47	08/26/2006 05:20	2.55	18.87	247.35	0310	PULVERIZER MILLS; 1E MILL AMPS SWINGING BAD, HAD TO CUT LOAD TO INSPECT THE MILL
0064	D2	09/20/2006 22:50	09/20/2006 23:06	0.27	33.85	46.40	0344	PULVERIZER INSPECTION; OPERATOR REDUCED LOAD TO INSPECT 1A MILL FOR NOISE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0065	D2	10/02/2006 12:00	10/02/2006 19:30	7.50	70.82	2,730.00	1190	OTHER TUBES SLAGGING & FOULING; REDUCED LOAD TO REMOVE SLAG BRIDGE OVER IN BOTTOM ASH AREA.
0066	D4	10/02/2006 21:47	10/03/2006 02:44	4.95	45.53	1,158.30	3410	FEEDWATER PUMP; PERFORMANCE TEST ON 1B BOILERFEED PUMP AT REDUCED LOAD.
0067	U1	10/05/2006 22:51	10/06/2006 10:25	11.57	100.00	5,945.27	3134	VACUUM PUMP PIPING AND VALVES; COUPLING AT 1A VACUUM PUMP FAIL AND CAUSED UNIT TRIP ON LOW VACUUM.
0068	U1	10/06/2006 12:38	10/06/2006 14:55	2.28	100.00	1,173.63	9900	OPERATOR ERROR; TURBINE TRIP ON HIGH DRUM LEVEL
0069	U1	10/06/2006 15:26	10/06/2006 19:34	4.13	100.00	2,124.53	9930	OPERATING PROCEDURE ERROR; OPERATOR OPEN 1A 4160 BKR BY ERROR UNIT TRIP.
0070	D4	10/11/2006 09:50	10/11/2006 19:17	9.45	70.82	3,439.80	1471	INDUCED DRAFT FAN MOTORS - VARIABLE SPEED; MAINT. REPAIR OIL LEAK ON 1B ID FAN SPEED CHANGER.
0071	D1	10/16/2006 18:15	10/16/2006 19:40	1.42	45.14	328.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0072	D1	10/23/2006 18:09	10/23/2006 18:29	0.33	16.54	28.33	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP LIMIT LOAD.
0073	D4	10/30/2006 08:46	10/30/2006 15:18	6.53	4.67	156.80	0340	OTHER PULVERIZER PROBLEMS; MAINT REPLACE RUPTURED DISK ON 1B MILL.
0074	D1	10/31/2006 23:46	11/01/2006 00:06	0.33	26.26	45.00	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP. OPER FOUND NOTHING WRONG.
0075	D1	11/05/2006 15:15	11/05/2006 15:50	0.58	12.84	38.50	0250	PULVERIZER FEEDERS; 1-C FEEDER TRIP AND LIMIT LOAD.
0076	D1	11/09/2006 06:30	11/09/2006 11:45	5.25	10.51	283.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; LARGE SPRING LODGED UNDER 1D MILL ROLLER. REMOVED SPRING.
0077	D1	11/09/2006 22:04	11/09/2006 22:30	0.43	16.34	36.40	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP.
0078	D2	11/16/2006 02:00	11/16/2006 02:58	0.97	19.84	98.60	0310	PULVERIZER MILLS; CLEAN OUT 1E MILL
0079	D1	12/06/2006 17:00	12/06/2006 17:30	0.50	3.89	10.00	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; 6B HEATER SAFETY LIFTING LIMIT LOAD.
0080	D1	12/14/2006 16:35	12/14/2006 17:14	0.65	31.91	106.60	9610	NOX STACK EMISSIONS; OPER CUT LOAD DUE TO HIGH NOX.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D4	01/03/2006 13:25	01/03/2006 16:30	3.08	12.60	194.25	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 1-A MILL COAL LEAK REPAIR.
0002	D1	01/09/2006 12:00	01/09/2006 12:35	0.58	4.80	14.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0003	D1	01/10/2006 12:45	01/10/2006 13:05	0.33	3.20	5.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0004	D1	01/12/2006 12:45	01/13/2006 00:30	11.75	0.80	47.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0005	D1	01/16/2006 05:15	01/16/2006 14:03	8.80	2.40	105.60	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0006	D1	01/16/2006 20:00	01/17/2006 00:00	4.00	4.60	92.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0007	D1	01/18/2006 23:20	01/19/2006 08:32	9.20	3.20	147.20	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; ID FANS AMPS HIGH AND LIMIT LOAD.
0008	D4	01/22/2006 20:25	01/22/2006 22:25	2.00	16.40	164.00	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2B MILL COAL LEAK REPAIR.
0009	D4	01/23/2006 00:32	01/23/2006 09:58	9.43	16.40	773.53	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2B MILL COAL LEAK REPAIR CONTINUE.
0010	D1	01/25/2006 12:15	01/25/2006 12:28	0.22	24.00	26.00	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP LIMIT LOAD.
0011	D4	02/04/2006 07:20	02/04/2006 11:15	3.92	1.40	27.42	0310	PULVERIZER MILLS; MAINT REPAIR 1C MILL COAL LEAK.
0012	D1	02/06/2006 17:45	02/06/2006 23:50	6.08	3.00	91.25	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS HIGH AMPS LIMIT LOAD.
0013	D1	02/07/2006 08:00	02/07/2006 09:00	1.00	4.00	20.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS AMPS HIGH AND LIMIT LOAD.
0014	D1	02/07/2006 12:03	02/07/2006 14:25	2.37	2.40	28.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS AMPS HIGH LIMIT LOAD.
0015	D1	02/08/2006 00:10	02/08/2006 02:23	2.22	1.20		9250	CONTRIBUTED TO PRIMARY CAUSE; LOW BTU COAL (OMC); BURNING PRB COAL IN 3 MILLS.
0016	D1	02/08/2006 16:15	02/08/2006 23:25	7.17	2.80	13.30	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS HIGH AMPS LIMIT LOAD.
						100.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS AMPS HIGH LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D2	02/10/2006 00:48	02/10/2006 01:58	1.17	8.80	51.33	1100	WATERWALL (FURNACE WALL); OPERATOR REDUCED LOAD TO BLOW SOOT.
0018	D1	02/10/2006 10:30	02/12/2006 06:30	44.00	4.00	880.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND BOILER POSITIVE LIMIT LOAD.
0019	D1	02/21/2006 00:25	02/21/2006 02:05	1.67	1.60	13.33	1140	CONTRIBUTED TO PRIMARY CAUSE; LOW BTU COAL (OMC); BURNING 60% PRB COAL FIRST SUPERHEATER SLAGGING & FOULING; OPERATOR CUT LOAD TO BLOW SOOT.
0020	D1	02/21/2006 06:58	02/21/2006 21:40	14.70	1.40	102.90	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0021	D1	02/24/2006 15:00	02/24/2006 22:47	7.78	99.00	3,852.75	9900	OPERATOR ERROR; BOILER TRIP AND LIMIT LOAD
0022	D1	03/01/2006 16:30	03/01/2006 18:10	1.67	1.40	11.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0023	D1	03/07/2006 22:15	03/07/2006 23:05	0.83	20.00	83.33	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP. REMOVED BIG ROCK.
0024	D1	03/08/2006 10:00	03/08/2006 12:48	2.80	20.20	282.80	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2B MILL COAL LEAK REPAIR.
0025	D1	03/08/2006 13:10	03/08/2006 13:55	0.75	17.20	64.50	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2B MILL COAL LEAK REPAIR CONT.
0026	D1	03/08/2006 16:45	03/08/2006 17:32	0.78	2.40	9.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0027	D1	03/08/2006 21:00	03/08/2006 22:20	1.33	2.20	14.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0028	D1	03/09/2006 07:30	03/09/2006 08:13	0.72	2.80	10.03	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0029	D1	03/09/2006 12:30	03/09/2006 13:05	0.58	10.40	30.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0030	D1	03/09/2006 23:50	03/10/2006 00:30	0.67	5.60	18.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0031	D1	03/11/2006 15:50	03/11/2006 18:25	2.58	1.60	20.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE AND LIMIT LOAD.
0032	D1	03/11/2006 18:25	03/12/2006 05:40	11.25	4.60	258.75	9630	OPACITY; HIGH OPACITY LIMIT LOAD.

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0033	PO	03/12/2006 23:30	04/28/2006 12:47	1116.28	100.00	558,141.67	1340	TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REPLACE SECOND SUPERHEATER.
0034	U1	04/28/2006 17:08	05/03/2006 23:47	126.65	100.00	63,325.00	4609	OTHER EXCITER PROBLEMS; INSULATION FAILURE CAUSED DIODE MODULE BOLT ARCH AND MELT.
0035	U1	05/04/2006 00:41	05/04/2006 02:06	1.42	100.00	708.33	3644	PROTECTION DEVICES; UNIT TRIP WHILE SWITCHING FROM STARTING STATION SERVICE TO RUNNING STATION SERVICE.
0036	U2	05/04/2006 07:08	05/09/2006 23:33	136.42	100.00	68,208.33	1035	PLATEN SUPERHEATER TUBE LEAKS; TUBE LEAK IN PLATEN SUPERHEATER
0037	D1	05/10/2006 05:10	05/10/2006 12:00	6.83	41.40	1,414.50	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); D MILL OUT, COAL LEAK REPAIR ON COAL PIPE TO BOILER.
0038	D1	05/10/2006 13:00	05/10/2006 20:29	7.48	15.00	561.25	0325	CONTRIBUTED TO PRIMARY CAUSE; PULVERIZER SKIDDING; E MILL OUT BAD JOUNEL REPLACED
0039	D1	05/10/2006 20:29	05/10/2006 22:27	1.97	14.00	137.67	0320	PULVERIZER SKIDDING; E MILL JOUNAL REPAIR CONT.
0040	D1	05/11/2006 07:45	05/11/2006 08:03	0.30	6.40	9.60	0340	FOREIGN OBJECT IN PULVERIZER MILL; B MILL OUT. REMOVED LARGE REBARB FROM MILL
0041	D1	05/11/2006 08:10	05/11/2006 09:57	1.78	6.40	57.07	0340	CONTRIBUTED TO PRIMARY CAUSE; PULVERIZER SKIDDING; E MILL REPAIR CONT.
0042	D1	05/12/2006 12:35	05/12/2006 17:30	4.92	5.60	137.67	1710	OTHER PULVERIZER PROBLEMS; E FEEDER TRIP
0043	D1	05/13/2006 11:55	05/13/2006 13:30	1.58	14.60	115.58	0310	OTHER PULVERIZER PROBLEMS; E FEEDER PLUGGING SWITCH FAIL AND TRIP FEEDER. MANIT REPAIRED SWITCH.
0044	D1	05/14/2006 04:25	05/14/2006 07:32	3.12	45.60	710.60	1760	COMBUSTION / STEAM CONDITION CONTROLS; BOILER PSI HIGH AND LIMIT LOAD.
0045	D1	05/23/2006 09:10	05/23/2006 11:45	2.58	47.00	607.08	3415	PULVERIZER MILLS; 2A MILL EXPLOSION DOOR REPAIR LIMIT LOAD.
								FEEDWATER INSTRUMENTATION (NOT LOCAL CONTROLS); 2A BFP DISCHARGE TRANSMITTER FAIL. MAINT REPAIRED INKIND.
								FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; HP OIL LEAK ON 2A BFP OIL SYSTEM. GASKET LEAK REPAIR.

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0046	D1	05/24/2006 13:25	05/24/2006 14:20	0.92	9.40	43.08	0250	PULVERIZER FEEDERS; 2C FEEDER PLUGGED. MAINT INSP 2C MILL TABLE.
0047	D1	05/29/2006 07:07	05/29/2006 08:00	0.88	9.40	41.52	0250	PULVERIZER FEEDERS; 2A FEEDER TRIP DUE TO CONCRETE ON BELT.
0048	D1	05/29/2006 15:30	05/29/2006 16:10	0.67	2.40	8.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; FURNACE PSI HIGH LIMIT LOAD.
0049	D1	05/31/2006 07:51	05/31/2006 09:40	1.82	15.00	136.25	0310	PULVERIZER MILLS; E MILL OUT FOR MAINT INSP.
0050	D1	05/31/2006 11:50	05/31/2006 16:44	4.90	14.80	362.60	0280	PULVERIZER FIRES; E MILL FIRE LIMIT LOAD.
0051	D1	05/31/2006 19:27	05/31/2006 20:42	1.25	3.60	22.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0052	D1	06/06/2006 07:20	06/06/2006 13:50	6.50	18.00	585.00	0250	PULVERIZER FEEDERS; 2E FEEDER BELT OUT OF ALIGNMENT REPAIR.
0053	D1	06/13/2006 07:15	06/14/2006 02:15	19.00	27.20	2,584.00	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); 2A BFPT PROBLEM (SWING) LIMIT LOAD. MAINT. FOUND BAD LVDT AND REPLACED INKIND.
0054	D2	06/25/2006 02:30	06/25/2006 04:25	1.92	19.40	185.92	0310	PULVERIZER MILLS; OPER CUT LOAD TO WASH A-E MILLS
0055	D1	06/30/2006 10:56	06/30/2006 11:08	0.20	99.00	99.00	3642	CONDUCTORS AND BUSES; WHILE MAINT WORKING ON CIRCUIT BREAKER MCC BUSE POWERING BREAKER TRIPPED BOILER.
0056	U2	06/30/2006 11:09	06/30/2006 13:38	2.48	100.00	1,241.67	3642	CONDUCTORS AND BUSES; MCC BUS TRIPPED THREE MILLS AND CAUSED TURBINE TRIP.
0057	U1	06/30/2006 14:11	06/30/2006 15:34	1.38	100.00	691.67	3622	STATION SERVICE STARTUP TRANS FORMER; UNIT TRIP SWAPPING FROM STATION SERVICE TRANSFORMER TO RUNNING STATION TRANSFORMER
0058	D4	07/03/2006 09:55	07/03/2006 10:55	1.00	7.00	35.00	0310	PULVERIZER MILLS; 2-C MILL INSPECTION LIMIT LOAD.
0059	D4	07/04/2006 01:15	07/04/2006 03:05	1.83	23.40	214.50	0310	PULVERIZER MILLS; 2-E MILL INSPECTION LIMIT LOAD.
0060	D2	07/16/2006 18:37	07/16/2006 19:27	0.83	20.00	83.33	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; OPER REDUCE LOAD TO CLEAN PYRITE HOPPER (COAL PLUGGED CHUTE).
0061	D1	07/18/2006 10:30	07/18/2006 11:15	0.75	24.60	92.25	0280	PULVERIZER FIRES; FIRE IN 2E MILL LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0062	D1	07/18/2006 11:15	07/18/2006 13:58	2.72	21.60	293.40	0250	PULVERIZER FEEDERS; 2E FEEDER FAIL TO START (BAD RELAY) REPLACED INKIND.
0063	D1	07/22/2006 08:30	07/22/2006 10:50	2.33	7.80	91.00	0250	PULVERIZER FEEDERS; 2-E FAIL TO START AND LIMIT LOAD.
0064	NC	07/24/2006 22:13	07/25/2006 01:17	3.07	0.00	0.00	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; 2A BFT THRUST BEARING OIL LEAK REPAIR.
0065	D1	08/05/2006 15:12	08/05/2006 18:00	2.80	0.40	5.60	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT OPER. CUT LOAD .
0066	D1	08/06/2006 21:25	08/06/2006 22:30	1.08	0.40	2.17	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT OPER. CUT LOAD.
0067	D1	08/10/2006 10:35	08/10/2006 11:10	0.58	12.40	36.17	0250	PULVERIZER FEEDERS; REMOVED CONCRETE FROM 2-B FEEDER LIMIT LOAD.
0068	D2	08/13/2006 09:45	08/13/2006 09:58	0.22	49.60	53.73	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; REPAIRED OIL LEAK ON 2-B BFP AND LIMIT LOAD.
0069	D1	09/16/2006 07:20	09/16/2006 08:36	1.27	34.00	215.33	0250	PULVERIZER FEEDERS; 2A FEEDER PLUGGED AND LIMIT LOAD.
0070	D1	09/21/2006 05:15	09/21/2006 05:30	0.25	51.40	64.25	0250	PULVERIZER FEEDERS; 2D FEEDER TRIPPED DUE TO SILO FEED PIPE TO FEEDER PLUGGED.
0071	D1	09/21/2006 06:12	09/21/2006 06:17	0.08	33.80	14.08	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED DUE TO SILO PIPE TO FEEDER PLUGGED.
0072	D1	09/30/2006 18:52	09/30/2006 19:10	0.30	23.20	34.80	0250	PULVERIZER FEEDERS; 1E FEEDER PLUGGED AND LIMIT LOAD
0073	U2	10/01/2006 23:25	10/02/2006 04:09	4.73	100.00	2,366.67	4283	LUBE OIL SYSTEM VALVES AND PIPING; EH FLUID LEAK REPAIR AT FRONT STANDARD.
0074	D4	10/03/2006 22:00	10/04/2006 03:06	5.10	43.80	1,116.90	3410	FEEDWATER PUMP; 2B BOILERFEED PUMP TEST LIMIT LOAD.
0075	D4	10/04/2006 14:15	10/04/2006 14:47	0.53	43.80	116.80	3410	FEEDWATER PUMP; 2A BOILERFEED PUMP TEST LIMIT LOAD.
0076	D4	10/04/2006 22:15	10/05/2006 01:15	3.00	43.80	657.00	3410	FEEDWATER PUMP; 2B BOILERFEED PUMP TEST CONTINUE.
0077	D1	10/11/2006 13:57	10/11/2006 21:00	7.05	47.60	1,677.90	1411	FORCED DRAFT FAN MOTORS - VARIABLE SPEED; 2B FD FAN TRIP DUE TO CABLE SHOUT IN SPEED CHANGER.
0078	D1	10/11/2006 21:00	10/12/2006 08:10	11.17	47.60	2,657.67	0262	PRIMARY AIR FAN LUBE OIL SYSTEM; 2A PA FAN BEARING OIL LEAK REPAIR.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0079	D1	11/07/2006 04:48	11/07/2006 06:44	1.93	44.40	429.20	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2B BFPT FAIL TO LATCH AND LIMIT LOAD.
0080	D4	11/12/2006 11:05	11/12/2006 11:36	0.52	3.80	9.82	4261	CONTROL VALVES; MAINT. CHANGE SPRING ON #2 GOV. VALVE.
0081	D4	11/17/2006 08:54	11/17/2006 13:25	4.52	4.00	90.33	0250	PULVERIZER FEEDERS; 2A FEEDER GEAR BOX REPAIR BY MAINT.
0082	D1	11/19/2006 09:40	11/19/2006 10:33	0.88	10.40	45.93	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED COAL CAR SPRING FROM 2C MILL.
0083	D1	11/24/2006 19:06	11/24/2006 22:37	3.52	32.00	562.67	0250	PULVERIZER FEEDERS; 2C FEEDER BELT SPLIT BY STREET LIGHT, REPLACED INKIND BY MAINT.
0084	D2	12/07/2006 09:50	12/07/2006 10:40	0.83	7.20	30.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE RAILROAD SPRING FROM 2C MILL.
0085	D4	12/22/2006 21:15	12/22/2006 22:45	1.50	26.00	195.00	0250	PULVERIZER FEEDERS; 2B FEEDER CLEANOUT CHAIN REPAIR.
0086	D2	12/28/2006 18:15	12/29/2006 00:01	5.77	26.00	749.67	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); NORTH DRUM SAFETY LEAKBY REDUCED LOAD.
0087	D2	12/29/2006 10:00	12/29/2006 20:50	10.83	4.60	249.17	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); NORTH DRUM SAFETY LEAKBY CONTINUE.
0088	MO	12/29/2006 22:17	12/31/2006 02:54	28.62	100.00	14,308.33	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); REPAIR NORTH DRUM SAFETY.

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Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 4								
0001	RS	01/01/2007 00:00	01/02/2007 04:32	28.53	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN DUE TO SYSTEM DEMANDS.
0002	D1	03/19/2007 16:00	03/19/2007 18:40	2.67	38.46	80.00	3341	OTHER LP HEATER - GENERAL; #1 SHELL SIDE SAFETY LIFTED AND UPSET CONDENSATE SYSTEM.
0003	D1	04/07/2007 17:50	04/08/2007 00:15	6.42	38.46	192.50	8590	OTHER PRECIPITATOR PROBLEMS; LOAD HELD DOWN DUE TO HIGH OPACITY ESP CLEANED UP, UNIT LOADED.
0004	D1	08/21/2007 15:30	08/22/2007 04:00	12.50	23.08	225.00	9660	THERMAL DISCHARGE LIMITS - FOSSIL; RIVER WATER ENTERING THE PLANT WAS 92 DEGF AND THERMAL LIMIT WAS APPROACHING.
0005	D1	08/28/2007 20:57	08/29/2007 13:20	16.38	41.03	524.27	3110	CONDENSER TUBE LEAKS; CONDENSER HAD A TUBE LEAK.
0006	D1	08/29/2007 14:40	08/30/2007 03:00	12.33	41.03	394.67	3110	CONDENSER TUBE LEAKS; CONDENSER HAD A TUBE LEAK.
0007	D1	09/17/2007 06:56	09/18/2007 00:05	17.15	14.10	188.65	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); FEEDWATER CONTROLS WOULD NOT ALLOW THE UNIT TO RUN IN AUTOMATIC CONTROL.
0008	D3	09/20/2007 22:45	09/21/2007 01:30	2.75	33.33	71.50	0800	DRUMS AND DRUM INTERNALS (SINGLE DRUM ONLY); DRUM SAFETY VALVE WAS LEAKING AT THE FLANGE.
0009	MO	09/21/2007 14:58	09/23/2007 12:11	45.22	100.00	3,526.90	0800	DRUMS AND DRUM INTERNALS (SINGLE DRUM ONLY); DRUM DOORS BEGAN LEAKING AFTER BOILER PRESSURE AND LOAD REDUCTION.
0010	D1	10/25/2007 07:00	10/25/2007 16:37	9.62	26.92	201.95	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK ONE TUBE PLUGGED.
0011	D1	10/30/2007 01:48	10/30/2007 12:05	10.28	32.05	257.08	3110	CONDENSER TUBE LEAKS; INDICATED CONDENSER TUBE LEAK NO TUBES PLUGGED.
0012	D1	12/03/2007 10:50	12/03/2007 15:45	4.92	41.03	157.33	3110	CONDENSER TUBE LEAKS; 'A' SIDE OF THE CONDENSER INDICATED A LEAK (NO LEAK FOUND)
0013	D1	12/08/2007 00:00	12/09/2007 19:27	43.45	34.62	1,173.15	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER LEAKS 4 EVENTS AVG. 12/8 - 12/16

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	RS	12/22/2007 03:38	01/01/2008 00:00	236.37	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	RS	01/01/2007 00:00	01/01/2007 23:14	23.23	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN DUE TO SYSTEM DEMANDS.
0003	MO	02/13/2007 22:58	02/17/2007 08:47	81.82	100.00	6,381.70	1000	WATERWALL (FURNACE WALL); WATERWALL LEAK DUE TO FLYASH EROSION.
0002	U2	02/21/2007 03:01	02/21/2007 08:10	5.15	100.00	401.70	0800	DRUMS AND DRUM INTERNALS (SINGLE DRUM ONLY); OPERATOR TRIPPED THE TURBINE ON HIGH DRUM LEVEL AFTER ID FAN UPSET THE BOILER.
0004	D1	03/08/2007 10:30	03/08/2007 11:30	1.00	32.05	25.00	0255	PULVERIZER FEEDER COAL SCALES; CONTROL PROBLEMS WITH THE COAL SCALE.
0005	D1	04/26/2007 09:30	04/26/2007 11:00	1.50	93.59	109.50	3649	OTHER AC INSTRUMENT POWER PROBLEMS; POWER WAS LOST TO CONTROL SYSTEM, RESTORED BEFORE UNIT COULD COME OFF LINE.
0006	U1	07/23/2007 16:45	07/25/2007 11:20	42.58	100.00	3,321.50	1000	WATERWALL (FURNACE WALL); SNCR INJECTION SYSTEM HAS CAUSED CORROSION ON THE WATERWALL TUBES.
							8809	CONTRIBUTED TO PRIMARY CAUSE; OTHER SNCR PROBLEMS; INJECTION NOZZLES WERE CLOGGED AND NOT ATOMIZING CORRECTLY.
0007	D1	08/09/2007 21:00	08/14/2007 02:19	101.32	15.38	1,215.80	3210	CIRCULATING WATER PUMPS; 5 A CIRCULATING WATER PUMP UPPER BEARING FAILED.
0008	D1	08/21/2007 15:30	08/22/2007 04:00	12.50	23.08	225.00	9660	THERMAL DISCHARGE LIMITS - FOSSIL; RIVER WATER ENTERING THE PLANT WAS 92 DEGF AND THERMAL LIMIT WAS APPROACHING.
0009	D1	08/27/2007 14:10	08/27/2007 22:59	8.82	34.62	238.05	3110	CONDENSER TUBE LEAKS; CONDENSER HAD A LEAK IN IT.
0010	D1	09/08/2007 09:55	09/08/2007 13:25	3.50	70.51	192.50	3134	VACUUM PUMP PIPING AND VALVES; VACUUM PUMP SUCTION VALVE CLOSED OFF CAUSING LOSS OF VACUUM.
0011	D1	09/23/2007 19:21	09/24/2007 04:15	8.90	39.74	275.90	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER HAD TWO TUBES LEAKING.
0012	NC	10/05/2007 09:55	10/08/2007 10:30	72.58	0.00	0.00	0310	PULVERIZER MILLS; 5 B MILL ROLL LOCKED UP.
0013	U1	11/08/2007 08:08	11/08/2007 09:42	1.57	100.00	122.20	3649	OTHER AC INSTRUMENT POWER PROBLEMS; POWER SUPPLY TO THE CONTROL SYSTEM FAILED.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	RS	12/22/2007 04:26	01/01/2008 00:00	235.57	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT REMOVED FROM SERVICE FOR RESERVE SHUTDOWN. PLANNED OUTAGE START 1/5/08

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	D1	01/06/2007 12:50	01/06/2007 13:30	0.67	42.05	84.67	9270	WET COAL (OMC); 6D FEEDER PLUGGED DUE TO WET COAL.
0002	U1	01/31/2007 19:45	02/02/2007 14:42	42.95	100.00	12,970.90	1488	AIR HEATER (REGENERATIVE); 6 B AIR HEATER FAILED DUE TO BASKET SEGMENT SHIFT. REMOVED UNIT FROM SERVICE.
0003	D1	04/26/2007 06:10	04/26/2007 22:40	16.50	7.28	363.00	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATER PLUGGAGE CAUSED ID FANS TO MAX OUT AT LESS THAN FULL LOAD.
0004	MO	04/26/2007 22:40	04/30/2007 00:44	74.07	100.00	22,368.13	1493	AIR HEATER FOULING (REGENERATIVE); WASHED AIR HEATERS TO LOWER AIR HEATER PRESSURE DIFFERENTIAL & REGAIN ID FAN CAPACITY.
0005	D4	05/12/2007 02:00	05/12/2007 15:01	13.02	58.61	2,303.95	3813	SERVICE WATER HEAT EXCHANGERS; 6 C SERVICE WATER COOLER TAKEN OUT OF SERVICE FOR CHEMICAL CLEANING.
0006	D1	06/25/2007 10:03	06/25/2007 11:16	1.22	27.48	100.98	0264	OTHER PRIMARY AIR FAN PROBLEMS; 6 B MILL LOST PRIMARY AIR FLOW AND THE MILL WAS TRIPPED.
0007	D1	07/02/2007 19:30	07/02/2007 21:30	2.00	49.01	296.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; MILL OUT FOR INSPECTION WHICH CAUSED AN IMBALANCE AND RESULTED IN HI OPACITY. CONTRIBUTED TO PRIMARY CAUSE; OTHER PRECIPITATOR PROBLEMS; MILL IMBALANCE FROM B OOS CAUSED HI OPACITY.
0008	D1	07/09/2007 06:30	07/15/2007 15:45	153.25	3.97	1,839.00	1140	FIRST SUPERHEATER SLAGGING & FOULING; BOILER PLUGGAGE RESULTING IN HIGH REHEAT TEMP AND EXCEEDING ID FANS' CAPACITY.
0010	D1	07/16/2007 11:45	07/21/2007 02:14	110.48	3.97	1,325.80	1140	FIRST SUPERHEATER SLAGGING & FOULING; BOILER PLUGGAGE RESULTING IN HIGH REHEAT TEMP AND EXCEEDING ID FANS' CAPACITY.
0009	MO	07/21/2007 02:14	07/24/2007 00:42	70.47	100.00	21,280.93	1140	FIRST SUPERHEATER SLAGGING & FOULING; BOILER PLUGGAGE CAUSING INCREASED FLOW THROUGH THE REHEATER AND OVERHEATING.
0011	D1	07/25/2007 04:00	07/25/2007 10:40	6.67	55.63	1,120.00	0590	DESUPERHEATER/ATTEMPERATOR VALVES; DESUPERHEATER CHECK VALVE FAILED CLOSED SH TEMP TOO HIGH.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0012	D1	07/25/2007 13:39	07/27/2007 07:00	41.35	10.60	1,323.20	4611	HYDROGEN COOLERS; COLD END GAS TEMP. TOO HIGH.
0013	D1	07/30/2007 14:35	07/30/2007 15:37	1.03	1.99	6.20	1455	INDUCED DRAFT FANS; ID FANS AT CAPACITY DUE TO INCREASED AIR IN LEAKAGE TO THE BOILER.
0014	NC	08/01/2007 17:32	08/09/2007 06:15	180.72	0.00	0.00	0310	PULVERIZER MILLS; 6 C MILL GEAR BOX FAILED. UNIT AVAILABLE WITH NATURAL GAS.
0015	MO	08/17/2007 22:26	08/19/2007 02:56	28.50	100.00	8,607.00	1060	FIRST REHEATER TUBE LEAKS; TUBE WAS MISALIGNED DURING INSTALLATION IN 1988 THINNED INSIDE THE TUBE.
0016	D1	09/07/2007 22:45	09/08/2007 02:00	3.25	4.30	42.25	1455	INDUCED DRAFT FANS; POOR FUEL QUALITY INCREASED MASS FLOW AND ID FANS MAXED OUT.
0017	D1	09/12/2007 13:20	09/13/2007 01:03	11.72	1.99	70.30	1455	INDUCED DRAFT FANS; ID FAN CAPACITY WAS EXCEEDED DUE TO AMBIENT CONDITIONS AND COAL QUALITY.
0018	D1	09/15/2007 12:00	09/15/2007 19:45	7.75	7.28	170.50	3815	SERVICE WATER STRAINER; 6 C SERVICE WATER COOLER WAS NOT PROVIDING ENOUGH COLD WATER. BACKWASHING COOLER.
0019	D1	09/19/2007 17:30	09/19/2007 21:00	3.50	1.99	21.00	1455	INDUCED DRAFT FANS; ID FANS AT CAPACITY DUE TO FUEL QUALITY AND INCREASED MASS FLOW, OPACITY ELEVATED TOO.
0020	D1	09/20/2007 18:24	09/20/2007 20:57	2.55	1.99	15.30	1455	INDUCED DRAFT FANS; ID FANS AT CAPACITY DUE TO FUEL QUALITY AND INCREASED MASS FLOW.
0022	D1	09/25/2007 16:00	09/25/2007 20:20	4.33	1.99	26.00	1455	INDUCED DRAFT FANS; LOW HHV FUEL CAUSES HIGHER MASS FLOW AND ID FANS ARE AT MAX. CAPACITY.
0023	D1	09/26/2007 16:00	09/26/2007 20:51	4.85	7.28	106.70	3813	SERVICE WATER HEAT EXCHANGERS; THERMAL LIMIT WAS REACHED ON TURBINE LUBE OIL 6 C COOLER NOT WORKING WELL.
0021	U1	09/27/2007 14:51	09/28/2007 14:13	23.37	100.00	7,056.73	1050	SECOND SUPERHEATER TUBE LEAKS; TUBE LEAK ON THE PRIMARY SUPERHEAT.
0024	NC	09/29/2007 01:05	09/30/2007 13:08	36.05	0.00	0.00	0325	PULVERIZER SKIDDING; D MILL ROLL WAS LOCKED UP. UNIT AVAILABLE WITH GAS.
0026	NC	10/08/2007 01:00	10/09/2007 17:45	40.75	0.00	0.00	0310	PULVERIZER MILLS; 6 C MILL OOS FOR INTERNAL REPAIRS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0027	NC	10/11/2007 23:45	10/12/2007 14:35	14.83	0.00	0.00	0310	PULVERIZER MILLS; 6 A MILL OOS FOR LINERS AND SWEEP REAPIRS.
0028	D1	10/12/2007 10:35	10/12/2007 14:35	4.00	23.51	284.00	0370	BURNER INSTRUMENTS AND CONTROLS (EXCEPT LIGHT-OFF); GAS BURNER LOGIC KEPT A BAND GAS FROM LIGHTING. (CALLED ON FOR FULL LOAD NC ON MILL)
0025	D1	10/16/2007 12:00	10/19/2007 00:15	60.25	3.31	602.50	1455	INDUCED DRAFT FANS; ID FANS ARE MAXED OUT DUE TO MASS FLOW INCREASE FROM AIR IN LEAKAGE. 10 EVENTS
0029	D1	10/21/2007 00:00	10/22/2007 01:26	25.43	3.97	305.20	9270	WET COAL (OMC); THIS IS 3 EVENTS OF WET COAL CAUSED BY RAIN.
0030	D1	10/31/2007 11:30	10/31/2007 23:58	12.47	4.30	162.07	1493	AIR HEATER FOULING (REGENERATIVE); 6 A AIR HEATER DIFFERENTIAL TOO HIGH 12+."
0031	D2	11/01/2007 10:45	11/01/2007 15:25	4.67	4.30	60.67	3813	SERVICE WATER HEAT EXCHANGERS; B SVC WTR COOLER OUT OF SERVICE. SERVICE WATER GOT TOO HIGH.
0032	D1	11/01/2007 15:26	11/02/2007 00:45	9.32	1.99	55.90	1455	INDUCED DRAFT FANS; ID FANS MAXED OUT.
0033	NC	11/02/2007 07:30	11/02/2007 09:30	2.00	0.00	0.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 6 C PYRITE SWEEPS BROKEN.
0034	D1	11/02/2007 14:05	11/02/2007 19:24	5.32	1.99	31.90	1455	INDUCED DRAFT FANS; ID FANS MAXED OUT MASS FLOW CAPACITY EXCEEDED DUE TO FUEL AND AIR IN LEAKAGE 2 EVENTS.
0035	D1	12/01/2007 18:00	12/02/2007 11:20	17.33	3.64	190.67	1455	INDUCED DRAFT FANS; ID FANS MAXED OUT DUE TO HIGH MASS FLOW THROUGH THE BOILER (2 EVENTS)
0036	D1	12/06/2007 07:52	12/06/2007 18:30	10.63	26.49	850.67	0310	PULVERIZER MILLS; `D` MILL TEMPERATURE EXCURSION.
0037	MO	12/07/2007 23:08	12/09/2007 21:57	46.82	100.00	14,138.63	8810	SCR REACTOR; UNIT BROUGHT OFF FOR SCR DESIGN ENGINEERS TO EVALUATE THE ECONOMIZER SUPPORTS.
0038	D1	12/10/2007 18:00	12/12/2007 04:50	34.83	35.76	1,288.80	4640	SEAL OIL SYSTEM AND SEALS; AIR SIDE SEAL OIL COOLER WOULD NOT COOL.
0039	D1	12/11/2007 04:50	12/12/2007 04:50	24.00	58.61	75.90	1488	AIR HEATER (REGENERATIVE); AIR HEATER DRIVE COUPLING FAILED.
0040	U2	12/11/2007 05:56	12/12/2007 04:50	22.90	100.00	6,915.80	1488	AIR HEATER (REGENERATIVE); `A` AIR HEATER DRIVE COUPLING FAILED.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0041	D1	12/12/2007 13:00	12/12/2007 17:55	4.92	16.89	250.75	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; O2 PROBES WERE IN ERROR AND CAUSED LOW O2 FURNACE CONDITIONS W/ HI OPACITY
0042	D1	12/12/2007 20:00	12/15/2007 02:55	54.92	2.98	494.25	1455	INDUCED DRAFT FANS; MASS FLOW EXCEEDING ID FAN CAPACITY 5 EVENTS AVG. 12/12 -12/28
0043	U1	12/16/2007 11:21	12/17/2007 15:24	28.05	100.00	8,471.10	1080	ECONOMIZER TUBE LEAKS; UNIT WAS REMOVED FROM SERVICE DUE TO AN ECONOMIZER TUBE LEAK
0044	D1	12/24/2007 17:40	12/25/2007 21:18	27.63	4.30	359.23	9270	WET COAL (OMC); WET COAL CAUSED MASS FLOW ISSUES TO THE MILLS AND BOILER.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	D1	01/02/2007 11:12	01/02/2007 11:40	0.47	55.72	122.73	3431	OTHER FEEDWATER VALVES; L.P. GOV. VALVE KNUCKLE BACKED OUT AND THE PUMP OVERSPEED AND TRIPPED.
0002	D1	01/03/2007 06:20	01/03/2007 22:59	16.65	6.78	532.80	9270	WET COAL (OMC); POOR FUEL QUALITY. HIGH OPACITY WAS A RESULT OF COMBUSTION ISSUES CAUSED BY WET COAL.
0004	D1	01/04/2007 09:30	01/04/2007 21:56	12.43	7.63	447.60	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY.
0003	D1	01/04/2007 09:50	01/04/2007 12:15	2.42	5.72	0.00	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY.
0005	D1	01/05/2007 09:00	01/05/2007 18:12	9.20	1.69	73.60	9270	WET COAL (OMC); POOR FUEL QUALITY/ WET COAL.
0006	D1	01/05/2007 18:12	01/05/2007 18:32	0.33	10.17	16.00	0250	PULVERIZER FEEDERS; 7B FEEDER TRIPPED.
0007	D1	01/08/2007 21:15	01/09/2007 00:15	3.00	7.63	108.00	9270	WET COAL (OMC); POOR FUEL QUALITY DUE TO WET COAL.
0014	D1	01/11/2007 11:50	01/11/2007 12:10	0.33	8.05	12.67	0250	PULVERIZER FEEDERS; 7C FEEDER HAD CONTROL PROBLEMS HAD TO SHUT POWER OFF & ON TO RESET FEEDER.
0008	D1	01/12/2007 20:45	01/12/2007 22:26	1.68	8.05	63.97	4307	AUTOMATIC TURBINE CONTROL SYSTEMS - ELECTRO-HYDRAULIC-DIGITAL; LOWERED THE HIGH LIMITS TO TRY AGC.
0009	D1	01/15/2007 04:30	01/15/2007 11:00	6.50	41.10	1,261.00	0325	PULVERIZER SKIDDING; 7C MILL SKIDDED.
0010	D4	01/20/2007 22:30	01/21/2007 08:24	9.90	15.89	742.50	0345	PULVERIZER OVERHAUL; CONTRACTORS REPAIRING BROKEN LINER IN MILL.
0011	D4	01/21/2007 10:00	01/21/2007 15:10	5.17	23.73	578.67	0346	PULVERIZER PYRITE REMOVAL SYSTEM; REPAIR PYRITE SWEEPS.
0012	D1	01/26/2007 03:40	01/26/2007 06:45	3.08	1.48	21.58	9270	WET COAL (OMC); POOR FUEL QUALITY WET COAL.
0013	D1	01/26/2007 09:40	01/26/2007 10:10	0.50	32.20	76.00	1760	FEEDWATER INSTRUMENTATION (NOT LOCAL CONTROLS); BFP CONTROL MALFUNCTION.
0015	U1	02/14/2007 08:52	02/18/2007 18:25	105.55	100.00	49,819.60	4611	HYDROGEN COOLERS; HYDROGEN COOLER TUBE LEAKS.
0016	D1	03/16/2007 20:00	03/16/2007 23:30	3.50	7.63	126.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; E MILL OFF DUE TO COAL MINE CUTTER HEAD IN MILL.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D1	03/21/2007 07:50	04/10/2007 21:54	494.07	8.47	19,762.67	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATER PLUGGAGE CAUSING DUCT SUCTION PRESSURE LIMIT TO BE ACHIEVED.
0020	D1	03/30/2007 05:00	03/30/2007 11:45	6.75	22.25	438.75	0320	FOREIGN OBJECT IN PULVERIZER MILL; PIECE OF METAL IN THE MILL, TORE OUT LINER.
0023	PO	04/10/2007 23:25	04/23/2007 12:30	301.08	100.00	142,111.33	3245	OTHER COOLING TOWER PROBLEMS; TIE IN OF NEW COOLING TOWER TO CIRCULATING WATER SYSTEM.
0024	U1	05/05/2007 15:28	05/07/2007 07:25	39.95	100.00	18,856.40	1060	FIRST REHEATER TUBE LEAKS; REHEAT TUBE LEAK RESULTED FROM FLYASH EROSION CAUSED HRA SIDEWALL LEAK.
0025	D1	05/10/2007 12:45	05/10/2007 23:00	10.25	1.69	82.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FAN STABILITY PROBLEMS CAUSED BY HI SUCTION PRESSURE DUE TO AMBIENT CONDITIONS.
0026	D1	05/11/2007 10:00	05/11/2007 13:25	3.42	1.69	27.33	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FAN STABILITY PROBLEMS CAUSED BY HI SUCTION PRESSURE DUE TO AMBIENT CONDITIONS.
0027	D1	05/11/2007 21:45	05/12/2007 01:46	4.02	1.69	32.13	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FAN STABILITY PROBLEMS CAUSED BY HI SUCTION PRESSURE DUE TO AMBIENT CONDITIONS.
0028	D1	05/13/2007 12:51	05/14/2007 22:50	33.98	4.66	747.63	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FAN STABILITY PROBLEMS CAUSED BY HI SUCTION PRESSURE DUE TO AMBIENT CONDITIONS.
0029	D1	05/17/2007 12:45	05/17/2007 13:30	0.75	7.63	27.00	0250	PULVERIZER FEEDERS; FEEDER REMOVED FROM SERVICE TO EXTRACT A 4"X4" BOARD.
0030	D4	05/17/2007 23:00	05/18/2007 07:15	8.25	45.34	1,765.50	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; SPEEDCHANGER WAS OVERHEATING DUE TO LOOSE INTERNAL CONNECTIONS.
0031	U1	05/23/2007 13:57	05/23/2007 18:34	4.62	100.00	2,179.07	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TURBINE VIBRATION TRIP SYSTEM HAD A FAULT AND TRIPPED THE TURBINE.
0032	D1	06/04/2007 12:40	06/11/2007 00:00	155.33	3.18	2,330.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; ID FAN INSTABILITY AND MOTOR OVERLOADING CAUSED BY AMBIENT CONDITIONS.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	U1	06/26/2007 13:36	07/03/2007 20:32	174.93	100.00	82,568.53	9020	LIGHTNING; LIGHTNING STRIKE ON THE TRANSMISSION SIDE CAUSED VOLTAGE SPIKE & EXCITER DAMAGE.
0034	MO	07/06/2007 21:02	07/08/2007 03:06	30.07	100.00	14,191.47	1080	ECONOMIZER TUBE LEAKS; FLYASH EROSION CAUSED A LEAK IN THE UPPER ECONOMIZER.
0035	D1	07/16/2007 18:27	07/16/2007 18:55	0.47	5.72	12.60	8825	OTHER SCR PROBLEMS; SCR PUMPING STATION FEED TRIPPED BRKR 716A REDUCED LOAD UNTIL BACK IN SERVICE.
0036	D1	07/25/2007 04:56	07/25/2007 10:45	5.82	15.47	424.62	0250	PULVERIZER FEEDERS; D FEEDER LOAD CELL FAILED.
0037	D1	07/26/2007 15:42	07/26/2007 18:15	2.55	9.75	117.30	0320	FOREIGN OBJECT IN PULVERIZER MILL; A MILL QUIT GRINDING INSPECTED MILL FOR DAMAGE.
0038	D1	07/30/2007 08:15	08/01/2007 06:00	45.75	1.69	366.00	1455	INDUCED DRAFT FANS; ID FAN CAPACITY LIMITED DUE TO AMBIENT CONDITIONS.
0039	D1	08/06/2007 07:45	08/06/2007 09:50	2.08	11.86	116.67	0320	FOREIGN OBJECT IN PULVERIZER MILL; 7 A MILL WAS TAKEN OUT OF SERVICE TO REMOVE A PIECE OF METAL FROM THE PYRITE CHUTE.
0040	D1	08/07/2007 21:00	08/08/2007 03:00	6.00	1.69	48.00	1455	INDUCED DRAFT FANS; ID FAN INSTABILITY DUE TO AMBIENT CONDITIONS.
0041	D1	08/14/2007 15:50	08/15/2007 01:10	9.33	5.72	252.00	3112	CONDENSER TUBE FOULING TUBE SIDE; CONDENSER BACK PRESSURE INCREASED TO ABOVE THE LIMIT FOR THE TURBINE.
0042	U1	08/25/2007 06:05	08/25/2007 22:44	16.65	100.00	7,858.80	4740	EMERGENCY GENERATOR TRIP DEVICES; FAULT ON THE HIGH SIDE TRANSMISSION SIDE CAUSED A TRIP ON THE GENERATOR SIDE.
0043	U3	08/29/2007 23:23	08/30/2007 23:34	24.18	100.00	11,414.53	1060	FIRST REHEATER TUBE LEAKS; REHEATER TUBE WAS ERODED BY FLYASH AND CREATED HRA LEAKS.
0044	U1	09/06/2007 21:24	09/07/2007 04:30	7.10	100.00	3,351.20	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); ARCING IN THE 115 KV YARD CAUSED DIFFERENTIAL ON THE SUPPLY BUS TO THE TEMP. EXCITER.
0047	D1	09/07/2007 11:13	09/07/2007 21:01	9.80	46.61	2,156.00	1050	SECOND SUPERHEATER TUBE LEAKS; FINISHING SUPERHEAT HAD A LEAK THAT WAS MANAGEABLE WITH REDUCED PRESSURE AND LOAD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0045	MO	09/07/2007 21:01	09/09/2007 10:04	37.05	100.00	17,487.60	1050	SECOND SUPERHEATER TUBE LEAKS; THICK WALLED FAILURE ON THE FINISHING SUPERHEAT PANEL - BLOCKAGE IN THE TUBE.
0046	U2	09/09/2007 18:45	09/11/2007 10:00	39.25	100.00	18,526.00	1050	SECOND SUPERHEATER TUBE LEAKS; THICK WALLED FAILURE ON THE FINISHING SUPERHEAT PANEL - BLOCKAGE IN THE TUBE.
0048	U2	09/11/2007 19:23	09/13/2007 17:42	46.32	100.00	21,861.47	1050	SECOND SUPERHEATER TUBE LEAKS; FINISHING SUPERHEATER TUBE PANEL HAD A TUBE FAILURE - TUBE BLOCKAGE.
0049	D1	09/14/2007 14:00	09/14/2007 18:35	4.58	3.60	77.92	3112	CONDENSER TUBE FOULING TUBE SIDE; CONDENSER FOULING CAUSED BACKPRESSURE TO GO ABOVE LIMIT AT FULL LOAD.
0050	D4	09/15/2007 07:00	09/17/2007 06:21	47.35	57.84	12,926.55	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); UNIT WAS DERATED TO SHOOT THE CONDENSER TUBES.
0051	D1	09/17/2007 13:50	09/17/2007 23:20	9.50	4.66	209.00	9250	LOW BTU COAL (OMC); UNIT LIMITED DUE TO LOW QUALITY FUEL.
0052	D1	09/23/2007 11:30	09/23/2007 23:55	12.42	2.54	149.00	9270	WET COAL (OMC); WET COAL WITH LOW HEATING VALUE.
0053	D1	09/24/2007 06:00	09/24/2007 12:15	6.25	1.69	50.00	9250	LOW BTU COAL (OMC); LOW FUEL HHV CONTRIBUTES TO MASS FLOW ISSUES WITH FANS.
0054	D1	09/27/2007 08:30	09/27/2007 08:51	0.35	98.94	163.45	1710	COMBUSTION / STEAM CONDITION CONTROLS; I & C CONTROL POWER SHUT DOWN TO PA FAN CONTROLS TRIPPED FANS.
0055	D4	10/07/2007 07:00	10/07/2007 10:22	3.37	13.77	218.83	0344	PULVERIZER INSPECTION; 7 A PULVERIZER REMOVED FOR INSPECTION.
0056	D1	10/09/2007 01:43	10/10/2007 21:00	43.28	11.86	2,423.87	0310	PULVERIZER MILLS; 7 C PULVERIZER ROLL LOCKED UP.
0057	D1	10/18/2007 12:45	10/19/2007 20:21	31.60	4.24	632.00	9270	WET COAL (OMC); HEAVY RAINS CAUSED WET COAL. (3 EVENT AVERAGE OVER TIME PERIOD)
0058	D1	10/20/2007 16:18	10/20/2007 20:30	4.20	13.77	273.00	0250	PULVERIZER FEEDERS; 7 D FEEDER PLUGGED.
0059	D1	10/22/2007 06:41	10/22/2007 07:33	0.87	7.63	31.20	3416	OTHER FEEDWATER PUMP PROBLEMS; A&B BFP MIN. FLOW VALVES OPENED WHEN DC BREAKER TRIPPED.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0060	D1	10/22/2007 10:00	10/23/2007 05:45	19.75	3.60	335.75	9270	WET COAL (OMC); WET COAL FROM RAINS.
0061	D1	10/23/2007 05:45	10/23/2007 13:00	7.25	13.77	471.25	0310	PULVERIZER MILLS; 7 D MILL HAD INTERNAL DAMAGE.
0062	D1	10/24/2007 08:52	10/25/2007 00:05	15.22	11.23	806.48	9270	WET COAL (OMC); RAINS CAUSED WET COAL.
0063	D1	10/25/2007 09:00	10/25/2007 18:50	9.83	5.72	265.50	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 7 D MILL PYRITE SWEEPS BROKEN.
0064	U1	10/29/2007 13:27	10/29/2007 18:52	5.42	100.00	2,556.67	4609	OTHER EXCITER PROBLEMS; LOSS OF EXCITATION ON TEMPORARY EXCITER.
0065	PO	11/10/2007 00:15	11/20/2007 15:50	255.58	100.00	120,635.33	4609	OTHER EXCITER PROBLEMS; TEMPORARY EXCITER WAS REMOVED AND REBUILT EXCITER INSTALLED.
0066	D1	12/03/2007 16:25	12/04/2007 04:30	12.08	9.75	555.83	0280	PULVERIZER FIRES; `A` MILL TRIPPED ON HIGH TEMPERATURE LIMIT REMOVED FROM SERVICE AND WASHED OUT.
0067	D1	12/04/2007 05:22	12/04/2007 13:00	7.63	9.75	351.13	0280	PULVERIZER FIRES; `E` MILL TRIPPED ON HIGH TEMPERATURE LIMIT WAS WASHED OUT AND PUT BACK IN TO SERVICE.
0068	D1	12/11/2007 06:15	12/11/2007 09:15	3.00	20.13	285.00	1420	OTHER FORCED DRAFT FAN PROBLEMS; `A` FD FAN INLET DAMPER STUCK IN ONE POSITION.
0069	D4	12/13/2007 23:00	12/15/2007 20:30	45.50	9.75	2,093.00	0310	PULVERIZER MILLS; `A` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.
0070	D4	12/15/2007 21:30	12/17/2007 14:50	41.33	9.75	1,901.33	0310	PULVERIZER MILLS; `C` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.
0071	D4	12/17/2007 15:00	12/19/2007 09:20	42.33	9.75	1,947.33	0310	PULVERIZER MILLS; `B` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.
0072	D1	12/17/2007 22:35	12/18/2007 02:00	3.42	41.10	505.67	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); `C` MILL COAL LEAK.
0073	D4	12/19/2007 13:45	12/22/2007 09:20	67.58	9.96	3,176.42	0310	PULVERIZER MILLS; `D` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.
0074	D1	12/22/2007 09:21	12/22/2007 16:30	7.15	13.77	464.75	3431	OTHER FEEDWATER VALVES; `A` BOILER FEED PUMP MINIMUM FLOW VALVE DIAPHRAGM FAILED.
0075	D1	12/25/2007 22:00	12/26/2007 07:35	9.58	5.72	258.75	9630	OPACITY; UNIT EXPERIENCED HIGH OPACITY.
0076	D4	12/26/2007 07:35	12/28/2007 15:20	55.75	11.86	3,122.00	0310	PULVERIZER MILLS; `E` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0077	D4	12/28/2007 16:20	12/30/2007 15:00	46.67	11.86	2,613.33	0310	PULVERIZER MILLS; `F` MILL WAS TAKEN OOS TO OVERLAY THE GRINDING SURFACES.
Scholz 1								
0001	RS	01/01/2007 00:00	01/02/2007 01:10	25.17	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	RS	01/04/2007 20:36	01/11/2007 21:46	169.17	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN
0003	D1	02/17/2007 09:05	03/01/2007 20:20	299.25	4.35	598.50	4261	CONTROL VALVES; #8 VALVE IS STUCK CLOSED, SUSPECT BROKEN VALVE STEM
0004	MO	03/01/2007 20:20	03/05/2007 06:00	81.67	100.00	3,756.67	4261	CONTROL VALVES; REPAIR #8 TURBINE VALVE
0005	SE	03/05/2007 06:00	03/05/2007 20:07	14.12	100.00	649.37	4261	CONTROL VALVES; #8 TURBINE CONTROL VALVE STUCK, CROSSHEAD STRIPPED
0006	D1	06/01/2007 05:00	06/01/2007 08:40	3.67	28.26	47.67	0340	OTHER PULVERIZER PROBLEMS; PULVERIZER MILL BALLS BADLY PITTED AND SCALLOPED - REPLACED ALL DAMAGED BALLS.
0007	U1	07/07/2007 16:44	07/07/2007 21:06	4.37	100.00	200.87	4730	GENERATOR CURRENT AND POTENTIAL TRANSFORMERS; BLOWN GENERATOR PT FUSE
0008	D4	07/12/2007 06:00	07/14/2007 08:20	50.33	28.26	654.33	0345	PULVERIZER OVERHAUL; 1B PULVERIZER - REBUILD ELEMENTS IN GRINDING ZONE
0009	U1	08/03/2007 12:01	08/03/2007 13:03	1.03	100.00	47.53	1710	COMBUSTION / STEAM CONDITION CONTROLS; LOSS OF UPS SYSTEM, BOILER CONTROLS POWER SUPPLY
0010	MO	11/09/2007 22:01	11/12/2007 11:15	61.23	100.00	2,816.73	3270	INTAKE SYSTEM PROBLEMS OTHER THAN TRAVELING SCREENS; INTAKE TUNNEL WORK, PREPARATION OF REDUCED WATER FLOW BY CORP O ENGINEER- DROUGHT
0011	D1	12/10/2007 05:30	12/10/2007 06:50	1.33	19.57	12.00	0250	PULVERIZER FEEDERS; 1C FEEDER QUIT WORKING - CONTROLLER PROBLEM
0012	RS	12/25/2007 01:07	01/01/2008 00:00	166.88	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN, 24 HR. STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2007 00:00	01/01/2007 14:36	14.60	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	RS	01/04/2007 22:06	01/15/2007 22:52	264.77	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN.
0003	MO	04/20/2007 22:49	04/22/2007 20:26	45.62	100.00	2,098.37	3439	HP HEATER HEAD LEAKS; #4 HEATER, HEATER HEAD LEAK, WATER SIDE
0004	D1	05/29/2007 11:30	05/29/2007 14:27	2.95	28.26	38.35	0340	OTHER PULVERIZER PROBLEMS; 2C PULVERIZER-BUSTED MILL BALL
0005	U1	08/03/2007 12:01	08/03/2007 14:15	2.23	100.00	102.73	1710	COMBUSTION / STEAM CONDITION CONTROLS; LOSS OF UPS SYSTEM, BOILER CONTROLS POWER SUPPLY
0006	D1	09/03/2007 12:00	09/03/2007 19:46	7.77	28.26	100.97	0310	PULVERIZER MILLS; 2A PULVERIZER, MULTIPLE BLADES CAME OFF OF CLASSIFIER
0007	MO	11/09/2007 20:49	11/12/2007 04:19	55.50	100.00	2,553.00	3270	INTAKE SYSTEM PROBLEMS OTHER THAN TRAVELING SCREENS; INTAKE TUNNEL WORK, PREPARATION OF REDUCED WATER FLOW BY CORP OF ENGINEER - DROUGHT
0008	PO	11/30/2007 22:47	12/23/2007 10:46	539.98	100.00	24,839.23	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; PLANNED OUTAGE, BOILER INSPECTION

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	01/24/2007 06:54	01/24/2007 10:21	3.45	3.09	17.25	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; PRECIPITATOR MALFUNCTION, OPACITY & WET COAL.
0002	D1	01/25/2007 08:15	01/25/2007 09:30	1.25	12.35	25.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; FOREIGN OBJECT IN 1B PULVERIZER VANE WHEEL.
0003	D1	02/03/2007 22:20	02/03/2007 23:29	1.15	59.88	111.55	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK. (LEAK SEALED ITSELF)
0004	PO	03/10/2007 00:37	05/08/2007 18:24	1432.78	100.00	232,110.90	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED TURBINE OUTAGE
0009	PD	05/08/2007 18:24	05/08/2007 19:05	0.68	98.15	108.65	4240	BEARINGS - LP TURBINE; LP BEARING VIBRATION
0010	PO	05/08/2007 19:05	05/09/2007 04:28	9.38	100.00	1,520.10	4240	BEARINGS - LP TURBINE; HIGH TURBINE BEARING VIBRATION.
0011	PD	05/09/2007 04:28	05/09/2007 16:19	11.85	96.30	1,848.60	4240	BEARINGS - LP TURBINE; HIGH TURBINE BEARING VIBRATION.
0012	PO	05/09/2007 16:19	05/09/2007 22:19	6.00	100.00	972.00	4240	BEARINGS - LP TURBINE; HIGH TURBINE BEARING VIBRATION.
0013	PD	05/09/2007 22:19	05/10/2007 08:48	10.48	87.65	1,488.63	4240	BEARINGS - LP TURBINE; HIGH TURBINE BEARING VIBRATION.
0006	PO	05/10/2007 08:48	05/10/2007 09:43	0.92	100.00	148.50	4240	BEARINGS - LP TURBINE; ADDED BALANCE SHOT FOLLOWING OVERHAUL
0007	PO	05/11/2007 22:16	05/12/2007 07:44	9.47	100.00	1,533.60	4040	BEARINGS - HP TURBINE; ADDED BALANCE SHOT FOLLOWING TURBINE OVERHAUL
0008	D1	05/13/2007 17:47	05/13/2007 18:12	0.42	40.12	27.08	3261	TRAVELING SCREEN FOULING; INTAKE SCREENS PLUGGED DUE TO TUG BOAT IN INTAKE CANAL.
0014	D1	07/15/2007 10:00	07/16/2007 21:00	35.00	17.90	1,015.00	4001	INNER CASING - HP TURBINE; SUSPECT TURBINE INTERNAL BALANCING LINE BROKEN, CAUSING EXCESSIVE THRUST
0015	D1	07/16/2007 21:00	07/19/2007 23:35	74.58	13.58	1,640.83	4001	CONTRIBUTED TO PRIMARY CAUSE; CONTRACTOR ERROR; SIEMENS DAMAGED BALANCING LINE DURING TURBINE OUTAGE. INNER CASING - HP TURBINE; SUSPECT TURBINE INTERNAL BALANCING LINE BROKEN, CAUSING EXCESSIVE THRUST

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	07/19/2007 01:43	07/19/2007 02:03	0.33	93.83	43.33	9900	CONTRIBUTED TO PRIMARY CAUSE; CONTRACTOR ERROR; SIEMENS DAMAGED BALANCING LINE DURING TURBINE OUTFAGE.
0017	MO	07/19/2007 23:35	08/01/2007 14:10	302.58	100.00	49,018.50	4001	OPERATOR ERROR; ENTERED INCORRECT SETPOINT INTO FD FAN CONTROL STATION. INNER CASING - HP TURBINE; REPAIR TURBINE INTERNAL BALANCING LINE
0018	MO	08/01/2007 19:42	08/02/2007 15:10	19.47	100.00	3,153.60	4302	CONTRIBUTED TO PRIMARY CAUSE; CONTRACTOR ERROR; SIEMENS DAMAGED BALANCING LINE DURING TURBINE OUTFAGE.
0019	MO	08/02/2007 18:21	08/02/2007 19:27	1.10	100.00	178.20	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); CONTROL SYSTEM TUNING AND MECHANICAL OVERSPEED LINKAGE ADJUSTMENTS
0020	NC	08/06/2007 13:00	08/11/2007 15:42	122.70	0.00	0.00	3311	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); PERFORMED ACTUAL TURBINE OVERSPEED TEST
0021	NC	08/24/2007 12:08	08/24/2007 12:59	0.85	0.00	0.00	4250	CONDENSATE/HOTWELL PUMP MOTOR; 1B CONDENSATE PUMP MOTOR FAILED
0022	D1	10/11/2007 05:16	10/11/2007 06:05	0.82	20.37	26.95	0255	OTHER LOW PRESSURE TURBINE PROBLEMS; REPAIRED LP CROSSEVER LEAK WHILE UNIT LOAD WAS REDUCED FOR DISCHARGE CANAL TEMP.
0023	D1	10/30/2007 07:15	10/30/2007 08:36	1.35	24.07	52.65	0310	PULVERIZER FEEDER COAL SCALES; I&C CALIBRATING 1B FEEDER.
0024	NC	11/03/2007 11:00	11/04/2007 15:40	29.67	0.00	0.00	3440	PULVERIZER MILLS; 1C PULVERIZER MILL EAST ROLL HAD TO BE ADJUSTED.
0025	D1	12/16/2007 11:19	12/16/2007 17:04	5.75	72.22	672.75	8560	HIGH PRESSURE HEATER TUBE LEAKS; REPAIRED #4 HP HEATER TUBE LEAK.
0026	D1	12/17/2007 00:00	12/17/2007 06:00	6.00	25.93	252.00	0310	ELECTROSTATIC PRECIPITATOR PROBLEMS; PROBLEM WITH COLD PRECIPITATOR CONTROL COMPUTER
								PULVERIZER MILLS; WEST MILL ROLL SEIZED ON 1A PULVERIZER

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	MO	01/12/2007 21:45	01/14/2007 11:54	38.15	100.00	7,439.25	1080	ECONOMIZER TUBE LEAKS; REPAIRED SEVERAL LEAKS IN THE ECONOMIZER SUPPLY TUBES.
0002	NC	02/03/2007 12:12	02/03/2007 12:37	0.42	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE SCRAP METAL FROM 2D MILL.
0003	D2	03/14/2007 11:07	03/14/2007 12:07	1.00	27.18	53.00	3124	TUBE SHEET FOULING; BACKWASH TO CLEAR SUSPECTED CONDENSER FOULING.
0004	PO	03/29/2007 00:14	04/09/2007 09:35	273.35	100.00	53,303.25	4401	TURBINE INSPECTION; PLANNED OUTAGE TO INSPECT TURBINE BEARINGS.
0005	MO	04/13/2007 00:02	04/18/2007 02:16	122.23	100.00	23,835.50	4040	BEARINGS - HP TURBINE; HIGH METAL TEMP. ON #2 BEARING.
0006	D1	05/13/2007 17:45	05/13/2007 18:55	1.17	30.26	68.83	3261	TRAVELING SCREEN FOULING; INTAKE SCREENS PLUGGING DUE TO TUG BOAT IN INTAKE CANAL.
0007	U1	06/04/2007 03:43	06/05/2007 13:44	34.02	100.00	6,633.25	1090	OTHER TUBE LEAKS; LOWER WATER WALL TUBE LEAK IN ASH PIT.
0008	NC	08/01/2007 20:10	08/02/2007 10:12	14.03	0.00	0.00	0250	PULVERIZER FEEDERS; 2E PULVERIZER BROKEN FEEDER BELT
0009	NC	08/02/2007 10:13	08/02/2007 13:18	3.08	0.00	0.00	0250	PULVERIZER FEEDERS; 2B PULVERIZER BROKEN FEEDER BELT
0010	U1	09/23/2007 02:42	09/23/2007 03:47	1.08	100.00	211.25	9900	OPERATOR ERROR; OPERATOR INADVERTENTLY RELEASED TEST LEVER DURING TURBINE TRIP TEST.
0011	NC	09/24/2007 13:02	09/24/2007 14:05	1.05	0.00	0.00	0250	PULVERIZER FEEDERS; 2C FEEDER PLUGGED, BELT TRACKING OFF AND HAD TO BE RE-ALIGNED
0012	NC	10/07/2007 10:00	10/07/2007 12:15	2.25	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACED 2D FEEDER BELT
0013	NC	10/12/2007 10:33	10/12/2007 12:51	2.30	0.00	0.00	0310	PULVERIZER MILLS; REMOVED FOREIGN METAL FROM 2B MILL BOWL
0014	NC	10/16/2007 07:52	10/16/2007 19:40	11.80	0.00	0.00	0310	PULVERIZER MILLS; REPAIRED 2B MILL DEFLECTOR
0015	NC	10/18/2007 07:30	10/18/2007 13:40	6.17	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 2B PULVERIZER HOT AIR BLAST GATE ACTUATOR REBUILD.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	NC	10/22/2007 00:30	10/22/2007 08:34	8.07	0.00	0.00	1475	INDUCED DRAFT FAN CONTROLS; CONTROL CARD FAILURE IN 1A ID FAN ACTUATOR
0017	NC	11/08/2007 07:47	11/08/2007 13:32	5.75	0.00	0.00	0250	PULVERIZER FEEDERS; REPAIR 2E FEEDER DRAG CHAIN.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/01/2007 00:00	01/01/2007 22:45	22.75	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	01/02/2007 13:04	01/03/2007 02:05	13.02	0.00	0.00	0000	RESERVE SHUTDOWN
0003	RS	01/03/2007 13:18	01/07/2007 22:47	105.48	0.00	0.00	0000	RESERVE SHUTDOWN
0005	D1	01/08/2007 05:09	01/08/2007 07:27	2.30	32.20	393.30	9930	OPERATING PROCEDURE ERROR; COLD REHEAT TEMP.AT THE STEAM TURBINE HIGH, DUE TO THE WAY THE UNIT WAS STARTED UP.
0004	D1	01/08/2007 05:13	01/08/2007 07:30	2.28	34.09	31.38	6146	IP DESUPERHEATER/ATTEMPERATOR VALVES; IP BYPASS ATTEMP. SPRAY WATER ISOLATION VALVE WOULD NOT OPEN ON "A" HRSG
0006	RS	01/12/2007 20:48	01/15/2007 00:38	51.83	0.00	0.00	0000	RESERVE SHUTDOWN
0007	D1	01/15/2007 03:30	01/15/2007 07:49	4.32	52.92	1,212.98	6299	OTHER COMBINED CYCLE PROBLEMS; 89SS SWITCH WOULD NOT MAKE UP
0008	RS	01/15/2007 14:36	01/16/2007 05:49	15.22	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	01/21/2007 20:15	01/22/2007 04:01	7.77	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	02/28/2007 08:31	03/01/2007 02:59	18.47	0.00	0.00	0000	RESERVE SHUTDOWN
0011	D1	03/01/2007 03:01	03/01/2007 09:15	6.23	33.90	1,122.00	5050	IGNITION SYSTEM; A GT 89SS SWITCH WOULD NOT OPERATE , A CONTACTOR OVER HEATED AND FAILED.
0012	RS	03/01/2007 20:51	03/02/2007 03:35	6.73	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	03/06/2007 10:14	03/07/2007 01:01	14.78	0.00	0.00	0000	RESERVE SHUTDOWN
0014	D1	03/07/2007 07:01	03/07/2007 14:45	7.73	33.90	1,392.00	5102	EXHAUST SYSTEM VANES/NOZZLES; OIL LEAK ON "B" GT,IGV ACUATOR SEAL BAD.
0015	RS	03/09/2007 21:00	03/10/2007 00:28	3.47	0.00	0.00	0000	RESERVE SHUTDOWN
0016	D1	03/10/2007 03:30	03/10/2007 08:59	5.48	33.90	987.00	5050	IGNITION SYSTEM; 89SS SWITCH OPEN CONTACTOR COIL BURNED
0017	RS	03/23/2007 21:13	03/24/2007 00:00	2.78	0.00	0.00	0000	RESERVE SHUTDOWN
0018	MO	03/24/2007 00:00	03/24/2007 16:40	16.67	100.00	8,850.00	5012	COMPRESSOR HP BLADES/BUCKETS; MAINTANCE OUTAGE TO BOROSCOPE "A" & "B" GAS TURBINS AND REPLACE CT BYPASS VALVE
0019	D4	03/24/2007 16:40	03/24/2007 21:00	4.33	33.90	780.00	5012	COMPRESSOR HP BLADES/BUCKETS; BOROSCOPE "A" GT, "B" GT AND ST ARE ON RS
0020	RS	03/24/2007 16:40	03/25/2007 08:14	15.57	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0021	RS	03/25/2007 22:49	03/26/2007 04:30	5.68	0.00	0.00	0000	RESERVE SHUTDOWN
0022	RS	03/26/2007 22:43	03/27/2007 05:59	7.27	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	03/27/2007 22:37	03/28/2007 04:57	6.33	0.00	0.00	0000	RESERVE SHUTDOWN
0024	D3	04/01/2007 23:53	04/02/2007 03:29	3.60	24.84	428.40	4293	HYDRAULIC SYSTEM PIPES AND VALVES; EHC SYSTEM LEAK ON STEAM TURBINE, REPLACED O RING
0026	PD	04/17/2007 00:15	04/22/2007 23:59	143.73	26.72	18,397.87	5012	COMPRESSOR HP BLADES/BUCKETS; MO TO REPLACE COMPRESSOR BLADES ON B GAS TURBINE
0025	RS	04/18/2007 12:04	04/19/2007 08:17	20.22	0.00	0.00	0000	RESERVE SHUTDOWN
0027	RS	04/20/2007 23:38	04/23/2007 00:00	48.37	0.00	0.00	0000	RESERVE SHUTDOWN
0028	PO	04/23/2007 00:00	04/29/2007 23:59	167.98	100.00	80,464.02	0541	COLD REHEAT STEAM PIPING UP TO BOILER; PLANNED OUTAGE TO REPLACE REHEAT ELBOWS ON 3-A HRSG
0029	RS	04/29/2007 23:59	04/30/2007 05:00	5.02	0.00	0.00	0000	RESERVE SHUTDOWN
0030	PD	04/30/2007 00:01	05/19/2007 17:30	473.48	32.78	74,336.88	5082	TURBINE HP BLADES/BUCKETS; BLADE REPLACEMENT S0 - S5 (B GT) UNIT ONLINE ON THE 18TH AND 19TH FOR TEST.
0031	D1	04/30/2007 05:00	04/30/2007 08:00	3.00	100.00	966.00	5048	GAS FUEL SYSTEM; "B" GAS TURBINE WAS ON A PD. "A" GAS TURBINE WOULD NOT START DO TO THE PM2 SERVO
0032	D1	04/30/2007 13:05	04/30/2007 14:00	0.92	100.00	295.17	4740	EMERGENCY GENERATOR TRIP DEVICES; GENERATOR PROTECTION RELAY TRIPPED "A" GT
0033	RS	04/30/2007 21:47	05/01/2007 07:21	9.57	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	05/01/2007 22:09	05/02/2007 06:00	7.85	0.00	0.00	0000	RESERVE SHUTDOWN
0035	D1	05/02/2007 06:00	05/02/2007 11:00	5.00	100.00	1,610.00	5050	IGNITION SYSTEM; "B" GAS TURBINE WAS ON A PD. "A" GAS TURBINE WOULD NOT START DO TO THE IGNITION SYSTEM
0036	RS	05/02/2007 23:52	05/03/2007 08:02	8.17	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	05/03/2007 23:35	05/04/2007 06:56	7.35	0.00	0.00	0000	RESERVE SHUTDOWN
0038	RS	05/04/2007 22:27	05/05/2007 08:17	9.83	0.00	0.00	0000	RESERVE SHUTDOWN
0039	RS	05/05/2007 22:23	05/06/2007 07:55	9.53	0.00	0.00	0000	RESERVE SHUTDOWN
0040	RS	05/06/2007 22:55	05/07/2007 08:25	9.50	0.00	0.00	0000	RESERVE SHUTDOWN
0041	RS	05/07/2007 21:54	05/08/2007 10:14	12.33	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0042	RS	05/08/2007 22:31	05/09/2007 09:23	10.87	0.00	0.00	0000	RESERVE SHUTDOWN
0043	RS	05/09/2007 23:00	05/10/2007 07:29	8.48	0.00	0.00	0000	RESERVE SHUTDOWN
0044	RS	05/10/2007 21:03	05/11/2007 07:12	10.15	0.00	0.00	0000	RESERVE SHUTDOWN
0045	RS	05/11/2007 22:58	05/12/2007 07:04	8.10	0.00	0.00	0000	RESERVE SHUTDOWN
0046	RS	05/12/2007 19:46	05/13/2007 09:18	13.53	0.00	0.00	0000	RESERVE SHUTDOWN
0047	RS	05/13/2007 19:39	05/14/2007 07:31	11.87	0.00	0.00	0000	RESERVE SHUTDOWN
0048	RS	05/14/2007 19:25	05/15/2007 07:31	12.10	0.00	0.00	0000	RESERVE SHUTDOWN
0049	RS	05/15/2007 19:31	05/16/2007 06:16	10.75	0.00	0.00	0000	RESERVE SHUTDOWN
0050	RS	05/16/2007 21:07	05/17/2007 08:06	10.98	0.00	0.00	0000	RESERVE SHUTDOWN
0051	RS	05/17/2007 19:15	05/18/2007 09:13	13.97	0.00	0.00	0000	RESERVE SHUTDOWN
0052	RS	05/18/2007 21:17	05/19/2007 08:11	10.90	0.00	0.00	0000	RESERVE SHUTDOWN
0053	RS	05/19/2007 20:58	05/20/2007 12:45	15.78	0.00	0.00	0000	RESERVE SHUTDOWN
0054	RS	05/20/2007 21:47	05/21/2007 05:09	7.37	0.00	0.00	0000	RESERVE SHUTDOWN
0055	D1	05/21/2007 09:22	05/21/2007 09:48	0.43	72.86	151.23	4211	RESERVE SHUTDOWN DIAPHRAGMS - LP TURBINE; LOSS OF VACUUM DUE TO LP DIAPHRAGM LEAK (CORROSION)
0056	RS	05/21/2007 22:47	05/22/2007 06:00	7.22	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	05/22/2007 22:11	05/23/2007 04:37	6.43	0.00	0.00	0000	RESERVE SHUTDOWN
0058	RS	05/23/2007 21:27	05/24/2007 06:00	8.55	0.00	0.00	0000	RESERVE SHUTDOWN
0059	RS	05/24/2007 22:09	05/25/2007 07:35	9.43	0.00	0.00	0000	RESERVE SHUTDOWN
0061	RS	05/25/2007 21:36	05/26/2007 08:47	11.18	0.00	0.00	0000	RESERVE SHUTDOWN
0060	RS	05/26/2007 19:38	05/27/2007 08:43	13.08	0.00	0.00	0000	RESERVE SHUTDOWN
0062	RS	05/27/2007 19:35	05/28/2007 09:13	13.63	0.00	0.00	0000	RESERVE SHUTDOWN
0063	RS	05/28/2007 22:05	05/29/2007 06:01	7.93	0.00	0.00	0000	RESERVE SHUTDOWN
0064	RS	05/29/2007 23:32	05/30/2007 06:00	6.47	0.00	0.00	0000	RESERVE SHUTDOWN
0065	RS	05/30/2007 21:31	05/31/2007 06:00	8.48	0.00	0.00	0000	RESERVE SHUTDOWN
0066	RS	05/31/2007 21:55	06/01/2007 05:04	7.15	0.00	0.00	0000	RESERVE SHUTDOWN
0067	RS	06/01/2007 21:17	06/02/2007 06:56	9.65	0.00	0.00	0000	RESERVE SHUTDOWN
0068	RS	06/02/2007 22:46	06/03/2007 07:56	9.17	0.00	0.00	0000	RESERVE SHUTDOWN
0069	RS	06/03/2007 22:08	06/04/2007 06:02	7.90	0.00	0.00	0000	RESERVE SHUTDOWN
0070	RS	06/04/2007 22:28	06/05/2007 04:57	6.48	0.00	0.00	0000	RESERVE SHUTDOWN
0071	RS	06/06/2007 00:12	06/06/2007 08:33	8.35	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0072	RS	06/07/2007 00:02	06/07/2007 06:57	6.92	0.00	0.00	0000	RESERVE SHUTDOWN
0073	RS	06/07/2007 22:22	06/08/2007 04:27	6.08	0.00	0.00	0000	RESERVE SHUTDOWN
0074	RS	06/08/2007 18:02	06/09/2007 06:58	12.93	0.00	0.00	0000	RESERVE SHUTDOWN
0075	RS	06/09/2007 23:15	06/10/2007 06:58	7.72	0.00	0.00	0000	RESERVE SHUTDOWN
0076	RS	06/11/2007 00:04	06/11/2007 07:02	6.97	0.00	0.00	0000	RESERVE SHUTDOWN
0077	RS	06/12/2007 00:05	06/12/2007 05:57	5.87	0.00	0.00	0000	RESERVE SHUTDOWN
0078	RS	06/12/2007 23:51	06/13/2007 06:48	6.95	0.00	0.00	0000	RESERVE SHUTDOWN
0079	RS	06/13/2007 22:57	06/14/2007 06:57	8.00	0.00	0.00	0000	RESERVE SHUTDOWN
0080	RS	06/14/2007 23:45	06/15/2007 07:00	7.25	0.00	0.00	0000	RESERVE SHUTDOWN
0081	RS	06/15/2007 23:37	06/16/2007 07:58	8.35	0.00	0.00	0000	RESERVE SHUTDOWN
0082	RS	06/17/2007 00:34	06/17/2007 05:59	5.42	0.00	0.00	0000	RESERVE SHUTDOWN
0083	RS	06/17/2007 23:12	06/18/2007 04:58	5.77	0.00	0.00	0000	RESERVE SHUTDOWN
0084	RS	06/19/2007 00:40	06/19/2007 06:03	5.38	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0141	NC	06/19/2007 07:44	06/27/2007 13:36	197.87	0.00	0.00	3311	CONDENSATE/HOTWELL PUMP MOTOR; #1 CONDENSATE PUMP MOTOR WENT TO GROUND. PINS HOLDING STATOR BROKE, CAUSING FAILURE.
0085	RS	06/19/2007 23:17	06/20/2007 04:59	5.70	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0086	RS	06/20/2007 23:37	06/21/2007 05:59	6.37	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0087	RS	06/21/2007 23:52	06/22/2007 06:03	6.18	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0088	RS	06/23/2007 00:10	06/23/2007 08:32	8.37	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0089	RS	06/24/2007 00:25	06/24/2007 07:56	7.52	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0090	RS	06/24/2007 23:28	06/25/2007 06:08	6.67	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0091	RS	06/26/2007 00:30	06/26/2007 06:10	5.67	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0092	RS	06/26/2007 23:14	06/27/2007 04:57	5.72	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0093	RS	07/03/2007 00:32	07/03/2007 07:01	6.48	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0094	RS	07/04/2007 01:16	07/04/2007 06:56	5.67	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0095	RS	07/04/2007 22:28	07/05/2007 04:58	6.50	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0096	RS	07/05/2007 23:35	07/06/2007 06:00	6.42	0.00	0.00	0000	RESERVE SHUTDOWN
0097	RS	07/07/2007 00:40	07/07/2007 06:59	6.32	0.00	0.00	0000	RESERVE SHUTDOWN
0098	RS	07/07/2007 23:42	07/08/2007 07:01	7.32	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0099	RS	07/08/2007 23:16	07/09/2007 06:06	6.83	0.00	0.00	0000	RESERVE SHUTDOWN
0100	RS	07/09/2007 22:36	07/10/2007 07:30	8.90	0.00	0.00	0000	RESERVE SHUTDOWN
0101	RS	07/10/2007 23:18	07/11/2007 05:08	5.83	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0102	RS	07/12/2007 00:12	07/12/2007 05:59	5.78	0.00	0.00	0000	RESERVE SHUTDOWN
0103	RS	07/12/2007 22:21	07/13/2007 04:56	6.58	0.00	0.00	0000	RESERVE SHUTDOWN
0104	RS	07/13/2007 22:42	07/14/2007 05:56	7.23	0.00	0.00	0000	RESERVE SHUTDOWN
0105	RS	07/14/2007 22:42	07/15/2007 07:58	9.27	0.00	0.00	0000	RESERVE SHUTDOWN
0106	RS	07/15/2007 19:13	07/16/2007 03:58	8.75	0.00	0.00	0000	RESERVE SHUTDOWN
0107	RS	07/17/2007 00:07	07/17/2007 06:56	6.82	0.00	0.00	0000	RESERVE SHUTDOWN
0108	RS	07/17/2007 23:34	07/18/2007 05:56	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0109	RS	07/18/2007 22:58	07/19/2007 05:00	6.03	0.00	0.00	0000	RESERVE SHUTDOWN
0110	RS	07/19/2007 23:26	07/20/2007 04:58	5.53	0.00	0.00	0000	RESERVE SHUTDOWN
0111	RS	07/20/2007 23:42	07/21/2007 06:59	7.28	0.00	0.00	0000	RESERVE SHUTDOWN
0112	RS	07/21/2007 23:32	07/22/2007 07:59	8.45	0.00	0.00	0000	RESERVE SHUTDOWN
0113	RS	07/22/2007 23:20	07/23/2007 07:01	7.68	0.00	0.00	0000	RESERVE SHUTDOWN
0114	RS	07/23/2007 23:32	07/24/2007 05:26	5.90	0.00	0.00	0000	RESERVE SHUTDOWN
0115	RS	07/24/2007 23:29	07/25/2007 06:04	6.58	0.00	0.00	0000	RESERVE SHUTDOWN
0116	RS	07/25/2007 22:35	07/26/2007 04:58	6.38	0.00	0.00	0000	RESERVE SHUTDOWN
0117	RS	07/26/2007 23:18	07/27/2007 05:57	6.65	0.00	0.00	0000	RESERVE SHUTDOWN
0118	RS	07/28/2007 00:29	07/28/2007 06:26	5.95	0.00	0.00	0000	RESERVE SHUTDOWN
0119	RS	07/29/2007 01:03	07/29/2007 07:00	5.95	0.00	0.00	0000	RESERVE SHUTDOWN
0120	RS	07/29/2007 22:43	07/30/2007 06:01	7.30	0.00	0.00	0000	RESERVE SHUTDOWN
0121	RS	07/30/2007 23:23	07/31/2007 06:01	6.63	0.00	0.00	0000	RESERVE SHUTDOWN
0122	D1	07/31/2007 14:30	07/31/2007 15:07	0.62	33.61	99.28	4609	RESERVE SHUTDOWN OTHER EXCITER PROBLEMS; EX2000 FAILURE, DUE TO LIGHTNING STRIKE.
0123	RS	08/01/2007 23:56	08/02/2007 05:23	5.45	0.00	0.00	0000	CONTRIBUTED TO PRIMARY CAUSE; LIGHTNING; EX2000 TRIPPED, DUE TO LIGHTNING STRIKE.
0124	RS	08/02/2007 22:27	08/03/2007 07:03	8.60	0.00	0.00	0000	RESERVE SHUTDOWN
0125	RS	08/04/2007 00:39	08/04/2007 07:56	7.28	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0127	D1	08/04/2007 19:20	08/04/2007 20:04	0.73	33.61	118.07	4609	OTHER EXCITER PROBLEMS; EX2000 SWAPPED FROM PRIMARY TO BACKUP AND THEN THE 4160V BREAKER TRIPPED THE STEAMER.
0126	RS	08/04/2007 22:23	08/05/2007 06:59	8.60	0.00	0.00	0000	RESERVE SHUTDOWN
0128	RS	08/06/2007 00:34	08/06/2007 08:00	7.43	0.00	0.00	0000	RESERVE SHUTDOWN
0129	RS	08/06/2007 23:04	08/07/2007 06:03	6.98	0.00	0.00	0000	RESERVE SHUTDOWN
0130	RS	08/13/2007 00:11	08/13/2007 07:31	7.33	0.00	0.00	0000	RESERVE SHUTDOWN
0131	RS	08/20/2007 22:48	08/21/2007 04:57	6.15	0.00	0.00	0000	RESERVE SHUTDOWN
0132	RS	08/21/2007 23:50	08/22/2007 05:49	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0133	RS	08/23/2007 00:18	08/23/2007 06:12	5.90	0.00	0.00	0000	RESERVE SHUTDOWN
0134	RS	08/23/2007 23:54	08/24/2007 06:05	6.18	0.00	0.00	0000	RESERVE SHUTDOWN
0135	RS	08/24/2007 21:30	08/25/2007 07:01	9.52	0.00	0.00	0000	RESERVE SHUTDOWN
0136	D4	08/25/2007 22:03	08/26/2007 12:43	14.67	49.90	3,505.33	5261	GAS TURBINE COMPRESSOR WASHING; SCHEDULED WATER WASH ON 3B GAS TURBINE.
0137	D4	08/26/2007 14:20	08/27/2007 11:46	21.43	49.90	5,122.57	5261	GAS TURBINE COMPRESSOR WASHING; SCHEDULED WATER WASH ON 3A GAS TURBINE.
0138	RS	08/26/2007 20:41	08/27/2007 06:15	9.57	0.00	0.00	0000	RESERVE SHUTDOWN
0139	RS	08/27/2007 21:04	08/28/2007 05:00	7.93	0.00	0.00	0000	RESERVE SHUTDOWN
0140	RS	08/28/2007 23:07	08/29/2007 04:56	5.82	0.00	0.00	0000	RESERVE SHUTDOWN
0142	RS	08/29/2007 22:27	08/30/2007 04:28	6.02	0.00	0.00	0000	RESERVE SHUTDOWN
0143	RS	08/30/2007 20:52	08/31/2007 05:01	8.15	0.00	0.00	0000	RESERVE SHUTDOWN
0144	RS	08/31/2007 21:10	09/01/2007 07:57	10.78	0.00	0.00	0000	RESERVE SHUTDOWN
0145	RS	09/01/2007 19:25	09/03/2007 09:29	38.07	0.00	0.00	0000	RESERVE SHUTDOWN
0146	RS	09/03/2007 20:54	09/04/2007 07:56	11.03	0.00	0.00	0000	RESERVE SHUTDOWN
0147	RS	09/04/2007 22:43	09/05/2007 06:55	8.20	0.00	0.00	0000	RESERVE SHUTDOWN
0148	RS	09/05/2007 21:51	09/06/2007 06:57	9.10	0.00	0.00	0000	RESERVE SHUTDOWN
0149	RS	09/06/2007 22:23	09/07/2007 04:55	6.53	0.00	0.00	0000	RESERVE SHUTDOWN
0150	RS	09/07/2007 23:10	09/08/2007 05:57	6.78	0.00	0.00	0000	RESERVE SHUTDOWN
0151	RS	09/08/2007 22:38	09/09/2007 05:57	7.32	0.00	0.00	0000	RESERVE SHUTDOWN
0152	D1	09/09/2007 06:03	09/10/2007 13:47	31.73	32.78	4,982.13	4603	SOLID STATE EXCITER ELEMENT; EX2000 CIRCUIT BOARD FAILED TO START 3B GAS TURBINE. (EXCITER VOLTAGE REG.)

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0153	RS	09/09/2007 22:35	09/10/2007 04:57	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0154	RS	09/10/2007 23:52	09/11/2007 06:03	6.18	0.00	0.00	0000	RESERVE SHUTDOWN
0155	D1	09/11/2007 12:46	09/11/2007 13:01	0.25	7.93	9.50	5160	COOLING AND SEAL AIR SYSTEM; A GT EXHAUST FRAME BLOWER FAN INDICATED LOW PRESSURE AND INITIATED A RUN BACK.
0156	RS	09/11/2007 23:16	09/12/2007 05:59	6.72	0.00	0.00	0000	RESERVE SHUTDOWN
0157	RS	09/12/2007 22:44	09/13/2007 04:53	6.15	0.00	0.00	0000	RESERVE SHUTDOWN
0158	RS	09/13/2007 22:35	09/14/2007 05:01	6.43	0.00	0.00	0000	RESERVE SHUTDOWN
0159	RS	09/15/2007 00:11	09/15/2007 07:01	6.83	0.00	0.00	0000	RESERVE SHUTDOWN
0160	RS	09/15/2007 21:49	09/16/2007 07:56	10.12	0.00	0.00	0000	RESERVE SHUTDOWN
0161	RS	09/16/2007 21:50	09/17/2007 04:58	7.13	0.00	0.00	0000	RESERVE SHUTDOWN
0162	RS	09/17/2007 22:14	09/18/2007 05:59	7.75	0.00	0.00	0000	RESERVE SHUTDOWN
0163	RS	09/18/2007 21:46	09/19/2007 06:02	8.27	0.00	0.00	0000	RESERVE SHUTDOWN
0164	RS	09/19/2007 20:16	09/20/2007 06:02	9.77	0.00	0.00	0000	RESERVE SHUTDOWN
0165	RS	09/20/2007 22:34	09/21/2007 04:53	6.32	0.00	0.00	0000	RESERVE SHUTDOWN
0166	RS	09/21/2007 23:15	09/22/2007 06:59	7.73	0.00	0.00	0000	RESERVE SHUTDOWN
0167	RS	09/22/2007 21:54	09/23/2007 08:01	10.12	0.00	0.00	0000	RESERVE SHUTDOWN
0168	RS	09/23/2007 23:38	09/24/2007 05:58	6.33	0.00	0.00	0000	RESERVE SHUTDOWN
0169	RS	09/25/2007 00:02	09/25/2007 07:24	7.37	0.00	0.00	0000	RESERVE SHUTDOWN
0170	RS	09/25/2007 23:24	09/26/2007 05:59	6.58	0.00	0.00	0000	RESERVE SHUTDOWN
0171	RS	09/26/2007 23:27	09/27/2007 05:26	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0172	RS	09/27/2007 23:42	09/28/2007 06:03	6.35	0.00	0.00	0000	RESERVE SHUTDOWN
0173	RS	09/28/2007 23:58	09/29/2007 07:06	7.13	0.00	0.00	0000	RESERVE SHUTDOWN
0174	RS	09/29/2007 22:44	09/30/2007 08:05	9.35	0.00	0.00	0000	RESERVE SHUTDOWN
0175	RS	09/30/2007 22:57	10/01/2007 05:57	7.00	0.00	0.00	0000	RESERVE SHUTDOWN
0176	RS	10/01/2007 21:15	10/02/2007 04:21	7.10	0.00	0.00	0000	RESERVE SHUTDOWN
0177	RS	10/02/2007 23:54	10/03/2007 07:05	7.18	0.00	0.00	0000	RESERVE SHUTDOWN
0178	U1	10/06/2007 14:49	10/07/2007 05:48	14.98	100.00	7,177.02	3683	OTHER VOLTAGE INSULATORS; 230 KV STATION SERVICE BUS PHASE GROUNDED OUT DUE TO SALT BUILD UP ON INSULATORS.
0179	RS	10/07/2007 22:17	10/08/2007 03:55	5.63	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN
0180	RS	10/08/2007 23:15	10/09/2007 05:02	5.78	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0181	RS	10/09/2007 23:04	10/10/2007 05:04	6.00	0.00	0.00	0000	RESERVE SHUTDOWN
0182	RS	10/10/2007 21:57	10/11/2007 06:01	8.07	0.00	0.00	0000	RESERVE SHUTDOWN
0183	RS	10/11/2007 21:29	10/12/2007 03:27	5.97	0.00	0.00	0000	RESERVE SHUTDOWN
0184	RS	10/12/2007 21:02	10/15/2007 01:49	52.78	0.00	0.00	0000	RESERVE SHUTDOWN
0185	D4	10/13/2007 23:00	10/14/2007 12:45	13.75	32.78	2,158.75	5022	COMPRESSOR LP BLADES/BUCKETS; BORESCOPE "A" GT TO LOOK @ COMPRESSOR S0-S4 SHIM MIGRATION.
0186	D1	10/15/2007 06:16	10/15/2007 07:31	1.25	32.78	196.25	4710	GENERATOR METERING DEVICES; 3 "B" GT MW METER STOPPED READING MW 'S.
0187	RS	10/15/2007 22:13	10/16/2007 03:58	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0188	RS	10/16/2007 22:57	10/17/2007 05:03	6.10	0.00	0.00	0000	RESERVE SHUTDOWN
0189	RS	10/17/2007 23:01	10/18/2007 04:58	5.95	0.00	0.00	0000	RESERVE SHUTDOWN
0190	RS	10/18/2007 23:18	10/19/2007 05:01	5.72	0.00	0.00	0000	RESERVE SHUTDOWN
0191	RS	10/19/2007 21:14	10/20/2007 06:00	8.77	0.00	0.00	0000	RESERVE SHUTDOWN
0192	RS	10/20/2007 21:13	10/21/2007 08:00	10.78	0.00	0.00	0000	RESERVE SHUTDOWN
0193	RS	10/21/2007 20:48	10/22/2007 03:56	7.13	0.00	0.00	0000	RESERVE SHUTDOWN
0194	RS	10/22/2007 22:44	10/23/2007 05:05	6.35	0.00	0.00	0000	RESERVE SHUTDOWN
0195	RS	10/23/2007 22:15	10/24/2007 03:58	5.72	0.00	0.00	0000	RESERVE SHUTDOWN
0196	RS	10/24/2007 22:15	10/25/2007 03:55	5.67	0.00	0.00	0000	RESERVE SHUTDOWN
0197	RS	10/25/2007 22:24	10/26/2007 04:01	5.62	0.00	0.00	0000	RESERVE SHUTDOWN
0198	RS	10/27/2007 23:06	10/28/2007 03:15	4.15	0.00	0.00	0000	RESERVE SHUTDOWN
0199	D1	10/28/2007 04:20	10/28/2007 05:04	0.73	26.72	93.87	6161	HP STARTUP BYPASS SYSTEM VALVES; HP BYPASS BLOCK VALVE FAILED TO OPEN DURING STARTUP.
0200	D1	10/28/2007 05:08	10/28/2007 05:20	0.20	26.72	25.60	9900	OPERATOR ERROR; 3A GT SHUT DOWN DUE TO HIGH HP DRUM LEVEL (OPERATOR TRIP).
0201	RS	10/30/2007 22:22	10/31/2007 04:59	6.62	0.00	0.00	0000	RESERVE SHUTDOWN
0202	RS	10/31/2007 22:24	11/01/2007 03:56	5.53	0.00	0.00	0000	RESERVE SHUTDOWN
0203	RS	11/02/2007 20:39	11/03/2007 08:01	11.37	0.00	0.00	0000	RESERVE SHUTDOWN
0204	RS	11/03/2007 21:28	11/05/2007 03:03	30.58	0.00	0.00	0000	RESERVE SHUTDOWN
0205	RS	11/05/2007 22:28	11/06/2007 03:57	5.48	0.00	0.00	0000	RESERVE SHUTDOWN
0206	RS	11/07/2007 22:15	11/08/2007 03:58	5.72	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0207	RS	11/08/2007 21:54	11/09/2007 04:22	6.47	0.00	0.00	0000	RESERVE SHUTDOWN
0208	D1	11/09/2007 03:50	11/09/2007 04:22	0.53	33.90	96.00	5048	GAS FUEL SYSTEM; GAS AUXILIARY SHUTOFF VALVE FAILED TO OPEN DUE TO FAULTY SOLENIOD VALVE
0209	NC	11/09/2007 04:22	11/09/2007 07:00	2.63	0.00	0.00	6161	HP STARTUP BYPASS SYSTEM VALVES; 3B HP BYPASS BLOCKING VALVE FAILED TO OPEN DURING STARTUP
0210	U1	11/09/2007 04:22	11/09/2007 07:00	2.63	100.00	1,398.30	5041	FUEL PIPING AND VALVES; 3A GT GAS AUXILIARY VALVE FAILED TO OPEN DUE TO FAULTY SOLENIOD VALVE.
0211	RS	11/09/2007 20:25	11/10/2007 02:00	5.58	0.00	0.00	0000	RESERVE SHUTDOWN
0212	RS	11/11/2007 21:43	11/12/2007 02:59	5.27	0.00	0.00	0000	RESERVE SHUTDOWN
0213	RS	11/12/2007 22:27	11/13/2007 04:31	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0214	RS	11/13/2007 22:25	11/14/2007 08:59	10.57	0.00	0.00	0000	RESERVE SHUTDOWN
0215	RS	11/14/2007 22:13	11/15/2007 03:58	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0216	RS	11/17/2007 11:07	11/19/2007 02:15	39.13	0.00	0.00	0000	RESERVE SHUTDOWN
0217	RS	11/19/2007 22:11	11/20/2007 03:59	5.80	0.00	0.00	0000	RESERVE SHUTDOWN
0218	RS	11/20/2007 21:23	11/21/2007 04:56	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0219	RS	11/21/2007 23:38	11/24/2007 01:57	50.32	0.00	0.00	0000	RESERVE SHUTDOWN
0220	RS	11/25/2007 00:18	11/26/2007 01:53	25.58	0.00	0.00	0000	RESERVE SHUTDOWN
0221	D4	11/30/2007 07:00	12/01/2007 07:00	24.00	50.09	6,384.00	5272	BOROSCOPE INSPECTION; WATERWASH 3B COMPRESSOR FOR BOROSCOPE INSPECTION
0222	RS	11/30/2007 22:27	12/01/2007 07:00	8.55	0.00	0.00	0000	RESERVE SHUTDOWN
0223	MO	12/01/2007 07:00	12/06/2007 01:18	114.30	100.00	60,693.30	4520	STATOR WINDINGS; RETORQUE GT-A GENERATOR WINDING BELLY BANDS
							5272	MAJOR COMPONENT WORKED DURING EVENT; BOROSCOPE INSPECTION; PERFORMED R0 BOROSCOPE INSPECTION ON 3A AND 3B COMPRESSORS.
							5261	MAJOR COMPONENT WORKED DURING EVENT; GAS TURBINE COMPRESSOR WASHING; WATER WASH 3A FOR BOROSCOPE INSPECTION

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0224	D4	12/06/2007 01:18	12/08/2007 15:36	62.30	50.09	16,571.80	5240	MAJOR COMPONENT WORKED DURING EVENT; FIRE DETECTION AND EXTINGUISHING SYSTEM; REPLACED CO2 FIRE SYSTEMS ON 3A AND 3B GT`S.
0225	RS	12/07/2007 20:47	12/10/2007 02:00	53.22	0.00	0.00	0000	STATOR WINDINGS; RETORQUE GT-A GENERATOR WINDING BELLY BANDS
0226	RS	12/10/2007 21:03	12/11/2007 03:29	6.43	0.00	0.00	0000	RESERVE SHUTDOWN
0227	RS	12/11/2007 22:21	12/12/2007 05:59	7.63	0.00	0.00	0000	RESERVE SHUTDOWN
0228	RS	12/12/2007 23:03	12/13/2007 07:29	8.43	0.00	0.00	0000	RESERVE SHUTDOWN
0229	RS	12/13/2007 21:52	12/14/2007 03:59	6.12	0.00	0.00	0000	RESERVE SHUTDOWN
0230	RS	12/14/2007 22:23	12/15/2007 07:02	8.65	0.00	0.00	0000	RESERVE SHUTDOWN
0231	RS	12/15/2007 21:11	12/16/2007 06:00	8.82	0.00	0.00	0000	RESERVE SHUTDOWN
0232	RS	12/18/2007 22:13	12/19/2007 04:04	5.85	0.00	0.00	0000	RESERVE SHUTDOWN
0233	RS	12/19/2007 21:35	12/20/2007 03:58	6.38	0.00	0.00	0000	RESERVE SHUTDOWN
0234	RS	12/20/2007 21:04	12/21/2007 03:58	6.90	0.00	0.00	0000	RESERVE SHUTDOWN
0235	RS	12/21/2007 22:03	12/23/2007 10:00	35.95	0.00	0.00	0000	RESERVE SHUTDOWN
0236	RS	12/24/2007 23:11	12/26/2007 00:53	25.70	0.00	0.00	0000	RESERVE SHUTDOWN
0237	RS	12/26/2007 22:16	12/27/2007 03:53	5.62	0.00	0.00	0000	RESERVE SHUTDOWN
0238	RS	12/27/2007 22:30	12/30/2007 23:32	73.03	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2007 00:00	01/16/2007 13:40	373.67	0.00	0.00	0000	RESERVE SHUTDOWN
0002	MO	01/16/2007 13:40	01/16/2007 15:25	1.75	100.00	70.00	5674	GENERAL UNIT INSPECTION; INSPECT A & B ENGINE FOR OIL LEAK.
0003	RS	01/16/2007 15:25	02/22/2007 13:52	886.45	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	02/22/2007 14:43	02/28/2007 12:18	141.58	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	02/28/2007 13:28	03/15/2007 12:23	357.92	0.00	0.00	0000	RESERVE SHUTDOWN
0006	RS	03/15/2007 13:07	04/04/2007 12:44	479.62	0.00	0.00	0000	RESERVE SHUTDOWN
0007	U1	04/04/2007 12:57	06/27/2007 11:59	2015.03	100.00	64,481.07	4511	GENERATOR ROTOR, GENERAL; EXCITER DIODE WHEEL BOLTS AND FUSE FAILURE, ROTOR GROUNDED.
0008	RS	06/27/2007 12:07	06/27/2007 12:36	0.48	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	06/27/2007 12:53	06/27/2007 17:33	4.67	0.00	0.00	0000	RESERVE SHUTDOWN
0010	RS	06/27/2007 17:35	06/29/2007 13:17	43.70	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	06/29/2007 14:56	07/09/2007 11:16	236.33	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS.
0012	RS	07/09/2007 11:33	07/09/2007 11:50	0.28	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0013	RS	07/09/2007 11:58	07/11/2007 13:56	49.97	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0014	RS	07/11/2007 14:22	07/11/2007 20:20	5.97	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0015	RS	07/11/2007 20:35	07/11/2007 21:08	0.55	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0016	RS	07/11/2007 21:20	07/12/2007 08:26	11.10	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0017	RS	07/12/2007 08:52	08/09/2007 10:05	673.22	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, LOAD ORDERS
0018	RS	08/09/2007 11:14	08/15/2007 07:32	140.30	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0019	RS	08/15/2007 08:17	08/29/2007 13:21	341.07	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0020	RS	08/29/2007 14:42	09/07/2007 14:47	216.08	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0021	RS	09/07/2007 15:41	10/03/2007 13:07	621.43	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0022	RS	10/03/2007 14:06	10/25/2007 13:29	527.38	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0023	RS	10/25/2007 14:16	11/07/2007 13:15	311.98	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0024	RS	11/07/2007 13:59	12/04/2007 07:39	641.67	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0025	RS	12/04/2007 09:32	12/04/2007 12:06	2.57	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0026	RS	12/04/2007 12:32	12/05/2007 06:00	17.47	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0027	MO	12/05/2007 06:00	12/05/2007 14:30	8.50	100.00	340.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); SUBSTATION GROUP PERFORMING PM ON PCB 2936
0028	RS	12/05/2007 14:30	12/06/2007 07:31	17.02	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0029	MO	12/06/2007 07:31	12/06/2007 13:14	5.72	100.00	228.67	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); SUBSTATION GROUP PERFORMING PM ON PCB 2932.
0030	RS	12/06/2007 13:14	12/07/2007 11:06	21.87	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0031	RS	12/07/2007 11:25	12/07/2007 21:00	9.58	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0032	U1	12/07/2007 21:00	12/11/2007 03:30	78.50	100.00	3,140.00	5540	BATTERY AND CHARGER SYSTEM; BATTERY CHARGER FAILED RESULTING IN LOW DC VOLTAGE.
0033	RS	12/11/2007 03:30	12/12/2007 07:00	27.50	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0034	MO	12/12/2007 07:00	12/14/2007 15:00	56.00	100.00	2,240.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); PCB 2932 BREAKER MAINTENANCE
0035	RS	12/14/2007 15:00	12/17/2007 06:59	63.98	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0036	RS	12/17/2007 07:35	12/17/2007 12:00	4.42	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0037	MO	12/17/2007 12:00	12/17/2007 14:30	2.50	100.00	100.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); SUBSTATION GROUP PERFORMING PM ON BREAKER PCB 2932
0038	RS	12/17/2007 14:30	12/19/2007 13:50	47.33	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0039	RS	12/19/2007 14:03	12/20/2007 07:38	17.58	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0040	RS	12/20/2007 19:32	01/01/2008 00:00	268.47	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/24/2007 00:55	01/24/2007 05:52	4.95	10.54	262.35	3410	FEEDWATER PUMP; 1-A BFP VIBRATION LIMIT LOAD.
0002	D1	01/30/2007 13:54	01/30/2007 16:57	3.05	98.01	1,503.65	9900	OPERATOR ERROR; HIGH DRUM LEVEL BOILER TRIP.
0003	D1	03/13/2007 02:45	03/13/2007 03:35	0.83	16.10	67.50	0250	PULVERIZER FEEDERS; 1-A FEEDER PLUGGED. OPERATION REMOVED ROCKS LODGED ON FEEDER BELT.
0004	PO	03/16/2007 23:40	03/24/2007 18:27	186.78	100.00	93,952.02	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; ECONOMIZER BOILER INSPECTION AND REPAIR AS NECESSARY.
0005	D4	03/29/2007 23:15	03/30/2007 01:18	2.05	54.67	563.75	3499	OTHER FEEDWATER SYSTEM PROBLEMS; OPERATIONS REDUCED LOAD TO SWAP AND CLEAN A-B BFP OIL COOLERS.
0006	D1	04/19/2007 06:35	04/19/2007 07:10	0.58	19.09	56.00	0250	PULVERIZER FEEDERS; 2-E FEEDER PLUGGED.
0007	D1	04/25/2007 07:00	04/25/2007 17:58	10.97	1.59	87.73	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0008	D2	05/06/2007 20:30	05/06/2007 22:00	1.50	6.56	49.50	4261	CONTROL VALVES; CUT LOAD TO ISO AND REPAIR EH LEAK ON #5 GOV. VALVE
0009	D4	05/08/2007 04:00	05/08/2007 09:00	5.00	24.45	615.00	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; MAINT. REPLACE MOOG VALVE ON 1-B BFP FOR EH FLOOD PROBLEM.
0010	D4	06/02/2007 23:30	06/03/2007 05:30	6.00	5.57	168.00	0310	PULVERIZER MILLS; MAINT REPLACED MILL JOURNAL ASSEMBLY ON 1-E MILL
0011	D2	06/08/2007 06:55	06/08/2007 09:00	2.08	5.37	56.25	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); MAINT REPAIR 1-B MILL COAL LEAK REPAIR
0012	D4	06/17/2007 05:00	06/17/2007 06:00	1.00	51.69	260.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; MAINT CHANGE OUT CARD IN OVATION CONTROLS FOR 1-D MILL PYRITE LIMIT SWITCH.
0013	D4	06/21/2007 20:24	06/22/2007 03:02	6.63	72.17	2,407.90	1476	INDUCED DRAFT FAN SPEED CHANGER; OPER REDUCED LOAD FOR MAINT TO ADD OIL TO A-B ID FANS SPEED CHANGERS.
0014	D1	06/22/2007 03:02	06/22/2007 05:40	2.63	99.40	1,316.67	9900	OPERATOR ERROR; BOILER TRIP WHILE PUTTING SECOND ID FAN IN SERVICE AFTER PUTTING OIL IN SPEED CHANGER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	D1	08/13/2007 11:55	08/13/2007 14:05	2.17	98.81	1,076.83	3631	400-700 VOLT CIRCUIT BREAKERS; 480 VOLT BKR TRIP. LOST MCC TO ID FAN OIL PUMP. ID FANS TRIP AND BOILER TRIP.
0016	D1	09/04/2007 17:15	09/05/2007 06:00	12.75	24.45	1,568.25	3540	LP EXTRACTION STEAM PIPING; EXTRACTION LINE EXPANSION JOINT FAILED, LIMITED FLOW TO LP HEATERS
0017	D2	09/05/2007 06:00	09/05/2007 20:57	14.95	26.84	2,018.25	3540	LP EXTRACTION STEAM PIPING; EXTRACTION LINE EXPANSION JOINT FAILED, LIMITED FLOW TO LP HEATERS
0018	MO	09/05/2007 20:57	09/10/2007 11:06	110.15	100.00	55,405.45	3540	LP EXTRACTION STEAM PIPING; REPLACED AND REPAIRED 4 EXPANSION JOINTS IN LP-1
0019	D2	09/14/2007 10:05	09/14/2007 12:00	1.92	64.61	622.92	3261	TRAVELING SCREEN FOULING; OPERATOR CUT LOAD TO CLEAN SCREENS.
0020	D2	09/19/2007 09:15	09/19/2007 12:05	2.83	15.31	218.17	0030	COAL CONVEYORS AND FEEDERS; OPERATOR REDUCED LOAD DUE TO CONVEYORS FAIL TO START.
0021	PO	09/28/2007 23:51	11/09/2007 19:57	1005.10	100.00	505,565.30	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE - REBUILD THE ECONOMIZER SECTION OF THE BOILER.
							1080	CONTRIBUTED TO PRIMARY CAUSE; ECONOMIZER TUBE LEAKS; PLANNED OUTAGE - REBUILD THE ECONOMIZER SECTION OF THE BOILER.
							1080	MAJOR COMPONENT WORKED DURING EVENT; ECONOMIZER TUBE LEAKS; REPLACE THE ECONOMIZER SECTION OF THE BOILER.
0024	MO	11/18/2007 00:27	11/18/2007 17:12	16.75	100.00	8,425.25	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); UNIT OFF TO SET LIMITS ON HOT AIR GATES.
0025	D1	11/18/2007 23:21	11/19/2007 01:13	1.87	12.52	117.60	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0026	D1	11/20/2007 09:55	11/20/2007 11:30	1.58	47.32	376.83	3418	FEEDWATER PUMP DRIVE - OTHER; 1A BFPT EH FLUID LEAK REPAIR LOAD LIMIT.
0027	D4	11/24/2007 12:00	11/24/2007 13:45	1.75	52.29	460.25	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; STEAM SEAL REPAIR ON 1A BFPT AT INSPECTION PLATE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	D1	11/27/2007 16:05	11/27/2007 18:05	2.00	44.33	446.00	0030	COAL CONVEYORS AND FEEDERS; 2B CONVEYOR COUPLING BROKE, OPERATOR LOWERED LOAD DUE TO LOW COAL IN BUNKERS.
0029	D1	12/04/2007 09:36	12/04/2007 10:05	0.48	28.83	70.08	3521	HP EXTRACTION STEAM VALVES; #6 HEATER EXTRACTION VALVE CLOSED AN LIMIT LOAD.
0030	D1	12/06/2007 06:35	12/06/2007 06:50	0.25	9.94	12.50	0270	PRIMARY AIR DUCTS AND DAMPERS; 1E HOT AIR GATE FAIL TO OPEN.
0031	D1	12/28/2007 09:50	12/28/2007 11:15	1.42	15.90	113.33	0250	PULVERIZER FEEDERS; B FEEDER TRIP WHEN CONCRETE PASS THROUGH IT.
0032	D1	12/29/2007 05:45	12/29/2007 06:17	0.53	25.05	67.20	0250	PULVERIZER FEEDERS; 1A PLUGGING SWITCH CAUSED FEEDER TRIP.
0033	D1	12/29/2007 15:10	12/29/2007 15:25	0.25	20.28	25.50	0250	PULVERIZER FEEDERS; 1D PLUGGING SWITCH TRIPPED FEEDER.
0034	D1	12/30/2007 01:35	12/30/2007 02:06	0.52	16.90	43.92	9270	WET COAL (OMC); 1D FEEDER TRIP DUE TO WET COAL.
0035	D1	12/30/2007 07:00	12/30/2007 07:20	0.33	19.88	33.33	9270	WET COAL (OMC); 1A FEEDER TRIP DUE TO WET COAL.
0036	D1	12/30/2007 12:45	12/30/2007 13:19	0.57	19.48	55.53	9270	WET COAL (OMC); 1A FEEDER TRIP
0037	D1	12/31/2007 03:05	12/31/2007 04:35	1.50	53.48	403.50	9270	WET COAL (OMC); 1B FEEDER TRIP
0038	D1	12/31/2007 17:10	12/31/2007 17:25	0.25	16.30	20.50	9270	WET COAL (OMC); 1D FEEDER TRIP.
0039	D1	12/31/2007 18:37	12/31/2007 19:00	0.38	19.28	37.18	9270	WET COAL (OMC); 1C FEEDER TRIP.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D1	01/01/2007 09:00	01/01/2007 11:26	2.43	26.08	323.63	0250	PULVERIZER FEEDERS; 2D FEEDER TRIP LIMIT LOAD
0002	D1	01/22/2007 10:43	01/22/2007 12:12	1.48	19.02	143.88	0250	PULVERIZER FEEDERS; 2B FEEDER PROBLEM LIMIT LOAD.
0003	D1	03/12/2007 06:05	03/12/2007 16:05	10.00	44.71	2,280.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 2A BFPT FAIL TO LATCH CAUSING LOAD LIMIT.
0004	D1	03/15/2007 11:20	03/15/2007 17:48	6.47	6.67	219.87	0250	PULVERIZER FEEDERS; 2-C FEEDER TRIP
							0350	CONTRIBUTED TO PRIMARY CAUSE; PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 2-C MILL HOT AIR GATE FAIL TO OPEN AND LIMIT LOAD.
0005	PO	03/26/2007 01:52	04/02/2007 00:55	167.05	100.00	85,195.50	1811	BOILER INSPECTIONS - PROBLEM IDENTIFICATION/INVESTIGATION; ECONOMIZER BOILER INSPECTION AND REPAIR AS NECESSARY.
0006	D1	04/02/2007 02:32	04/02/2007 06:53	4.35	99.02	2,196.75	1710	COMBUSTION / STEAM CONDITION CONTROLS; AIR FLOW CONTROL PROBLEM (HIGH AIR FLOW)
0007	U2	04/02/2007 06:53	04/02/2007 11:41	4.80	100.00	2,448.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; AIR FLOW PROBLEM CONTINUE LEAD TO UNIT TRIP.
0008	D2	04/02/2007 16:49	04/02/2007 16:57	0.13	13.73	9.33	1000	WATERWALL (FURNACE WALL); OPERATING AT REDUCED LOAD LOOKING FOR TUBE LEAK DUE TO HIGH WATER USE. NO LEAK FOUND.
0009	D1	04/02/2007 18:00	04/02/2007 20:25	2.42	9.80	120.83	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0010	D1	04/06/2007 18:40	04/06/2007 20:50	2.17	47.06	520.00	3410	FEEDWATER PUMP; 2A BFPT HIGH VIBRATION LIMIT LOAD.
0011	D1	04/06/2007 20:50	04/08/2007 07:43	34.88	25.49	4,534.83	3410	FEEDWATER PUMP; 2A BFPT VIBRATION CONT.
0012	U1	04/08/2007 09:58	04/08/2007 14:53	4.92	100.00	2,507.50	0263	PRIMARY AIR FAN DRIVES; PA FANS TRIP COIL BURNED UP CAUSED MASTER FUEL TRIP
0013	D1	04/08/2007 14:53	04/20/2007 14:37	287.73	25.49	37,405.33	3410	FEEDWATER PUMP; 2A BFPT LIMIT CONT.
0014	U1	04/20/2007 14:45	04/20/2007 20:08	5.38	100.00	2,745.50	3651	DC CIRCUIT BREAKERS; UNIT TRIP DUE TO DC GROUND ON BKR #4 CAB 2C.
0015	D1	04/20/2007 20:08	04/26/2007 07:32	131.40	25.49	17,082.00	3410	FEEDWATER PUMP; 2A BFP LIMIT CONT.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D4	04/30/2007 01:43	04/30/2007 10:00	8.28	8.63	364.47	0300	PULVERIZER MOTORS AND DRIVES; C-MILL OUT TO CHANGE OIL.
0017	D4	05/01/2007 02:20	05/01/2007 11:02	8.70	7.06	313.20	0310	PULVERIZER MILLS; MAINT. REPLACED ROLLER IN 2-E MILL.
0018	D1	05/02/2007 07:20	05/02/2007 07:54	0.57	23.53	68.00	0250	PULVERIZER FEEDERS; 2-C FEEDER PLUGGED.
0019	D4	05/05/2007 00:05	05/05/2007 01:14	1.15	20.59	120.75	3210	CIRCULATING WATER PUMPS; REMOVE 2A CCWP TO REPAIR FLOWMETER.
0020	D4	05/11/2007 03:50	05/11/2007 05:42	1.87	26.47	252.00	3220	CIRCULATING WATER PIPING; MAINT WORK ON 2B CCWP SEAL WATER LINE.
0021	D1	05/19/2007 08:17	05/19/2007 08:27	0.17	17.45	14.83	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); 2D MILL HOT AIR DAMPER STUCK AND LIMIT LOAD.
0022	D1	05/19/2007 08:29	05/19/2007 09:40	1.18	17.25	104.13	0250	PULVERIZER FEEDERS; 2C FEEDER PLUGGED WITH A LARGE PIECE OF CONCRETE.
0023	D1	05/23/2007 04:41	05/23/2007 11:45	7.07	11.37	409.87	0250	PULVERIZER FEEDERS; 2D FEEDER TRIP. (FEEDER BELT BROKE), MAINT. REPLACES FEEDER BELT.
0024	D4	05/26/2007 21:58	05/27/2007 05:39	7.68	45.10	1,767.17	0310	PULVERIZER MILLS; MAINT REPLACED MILL ROLLERS IN 2D MILL.
0025	D2	05/27/2007 21:42	05/27/2007 22:42	1.00	11.37	58.00	0344	PULVERIZER INSPECTION; MAINT INSPECT 2D MILL FOR NOISE. FOUND SCRAPER BRUSHES LOOSE AND REMOVED SAME.
0026	D1	06/06/2007 06:56	06/06/2007 09:50	2.90	8.04	118.90	0250	PULVERIZER FEEDERS; 2D FEEDER NO COAL FLOW LIMIT LOAD. REPLACED START RELAY
0027	D4	06/07/2007 23:05	06/08/2007 03:20	4.25	2.75	59.50	0310	PULVERIZER MILLS; MAINT REPLACED E-MILL JOURNAL SPRINGS
0028	D2	06/27/2007 01:17	06/27/2007 05:45	4.47	10.78	245.67	4611	HYDROGEN COOLERS; OPER CUT LOAD TO CHECK FOR HYDROGEN COOLER LEAK.
0029	D1	07/01/2007 19:05	07/02/2007 15:12	20.12	23.53	2,414.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2B BFPT TRIP. THRUST BEARING TRIP ALARM FAIL WHEN LOOSE SCREWS CAUSED TRIP.
0030	D1	07/02/2007 06:07	07/02/2007 15:07	9.00	26.67	144.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 2B BFPT TRIP ON HIGH VIBRATION.
0031	D1	07/25/2007 19:58	07/25/2007 20:15	0.28	7.84	11.33	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP BUT FOUND NO PROBLEM.
0032	D4	07/26/2007 04:05	07/26/2007 05:02	0.95	12.75	61.75	0255	PULVERIZER FEEDER COAL SCALES; MAINT. CALIBRATE 2E FEEDER

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	D4	07/26/2007 22:03	07/27/2007 00:36	2.55	64.71	841.50	1476	INDUCED DRAFT FAN SPEED CHANGER; MAINT ADD OIL TO 2B ID FAN SPEED CHANGER
0034	D4	08/01/2007 00:30	08/01/2007 03:45	3.25	64.71	1,072.50	0255	PULVERIZER FEEDER COAL SCALES; MAINT. CALIBRATE 2E FEEDER
0035	D1	08/01/2007 09:30	08/01/2007 10:15	0.75	17.65	67.50	0898	BOTTOM ASH PYRITE HOPPER (PULVERIZER REJECT) SYSTEM; 2E MILL OFF, PYRITE HOPPER PLUGGED.
0036	D1	08/02/2007 18:23	08/02/2007 19:50	1.45	25.49	188.50	0250	PULVERIZER FEEDERS; 2C FEEDER TRIP, CONCRETE ON BELT.
0037	D4	08/03/2007 23:54	08/04/2007 09:02	9.13	62.75	2,922.67	1476	INDUCED DRAFT FAN SPEED CHANGER; MAINT. REPAIR OIL LEAK IN 2B ID FAN SPEED CHANGER.
0038	D2	08/12/2007 09:45	08/12/2007 10:45	1.00	72.55	370.00	1000	WATERWALL (FURNACE WALL); REDUCED LOAD TO LOOK FOR TUBE LEAK. WATERWALL TUBE LEAK FOUND.
0039	MO	08/18/2007 01:05	08/20/2007 03:54	50.82	100.00	25,916.50	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK REPAIR ON NOSE ARCH.
0040	D1	08/20/2007 03:57	08/20/2007 04:13	0.27	98.82	134.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER WENT POSITIVE AND BOILER TRIP.
0041	U1	08/20/2007 04:13	08/20/2007 06:41	2.47	100.00	1,258.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPER. TRIP UNIT DUE TO LOW PSI AFTER BOILER TRIP.
0042	MO	08/27/2007 00:12	08/29/2007 12:22	60.17	100.00	30,685.00	4611	HYDROGEN COOLERS; MAINT REPLACED HYDROGEN COOLER DUE TO COOLER LEAK.
0043	D1	08/31/2007 16:20	08/31/2007 16:39	0.32	5.49	8.87	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LIMIT LOAD.
0044	D1	09/01/2007 02:13	09/01/2007 12:43	10.50	21.96	1,176.00	0250	PULVERIZER FEEDERS; 2D FEEDER NO COAL FLOW LIMIT LOAD.
0045	D1	09/03/2007 07:59	09/03/2007 08:55	0.93	19.61	93.33	0250	PULVERIZER FEEDERS; 2D FEEDER TRIP AND LIMIT LOAD
0046	D2	09/11/2007 09:29	09/11/2007 09:55	0.43	25.88	57.20	0250	PULVERIZER FEEDERS; MAINT INSPECT 2-E FEEDER CLEAN-OUT CHAIN.
0047	D1	09/11/2007 12:47	09/11/2007 13:07	0.33	15.69	26.67	0250	PULVERIZER FEEDERS; 2D FEEDER TRIP DUE TO PLUGGING SWITCH FAIL.
0048	D1	09/25/2007 08:17	09/26/2007 11:00	26.72	2.94	400.75	0590	DESUPERHEATER/ATTEMPERATOR VALVES; SUPERHEATER SPRAY VALVE LEAKING-BY CAUSE LOW SUPERHEAT TEMP.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0049	MO	10/27/2007 23:14	10/31/2007 14:09	86.92	100.00	44,327.50	0892	BOTTOM ASH CLINKER GRINDERS; REPLACED DAMAGED CLINKER GRINDER SYSTEM
0050	D2	11/01/2007 04:50	11/01/2007 08:00	3.17	19.80	319.83	0250	MAJOR COMPONENT WORKED DURING EVENT; HYDROGEN COOLERS; REPLACE RENTED COOLER WITH DANIEL COOLER.
0051	D2	11/02/2007 22:37	11/03/2007 01:40	3.05	50.98	793.00	8657	PULVERIZER FEEDERS; REPLACE 2E FEEDER BELT.
0052	D1	11/08/2007 10:00	11/08/2007 10:15	0.25	10.39	13.25	3521	ASH HANDLING SYSTEM AND HOPPERS; OPERATOR REDUCED LOAD DUE TO PLUGGED FLYASH LINE.
0053	D4	12/02/2007 22:00	12/03/2007 00:21	2.35	64.71	775.50	1476	HP EXTRACTION STEAM VALVES; HP/LP EXTRACTION VALVES WENT CLOSED AND CAUSED LOAD LOSS, NO REASON FOUND.
0054	D1	12/04/2007 11:50	12/04/2007 12:06	0.27	22.94	31.20	0250	INDUCED DRAFT FAN SPEED CHANGER; OPER REDUCED LOAD FOR MAINT. TO ADD OIL TO 2A ID FAN SPEED CHANGER.
0055	D1	12/05/2007 01:50	12/05/2007 06:06	4.27	13.73	298.67	0270	PULVERIZER FEEDERS; 2D FEEDER BELT BROKE AND LOST LOAD.
0056	D1	12/08/2007 23:25	12/09/2007 01:20	1.92	9.41	92.00	0250	PRIMARY AIR DUCTS AND DAMPERS; 1B HOT AIR DAMPER FAIL WHEN STUCK CAUSED LOAD LOSS.
0057	D1	12/09/2007 06:15	12/09/2007 09:24	3.15	35.29	567.00	0250	PULVERIZER FEEDERS; 2D FEEDER TRIP LIMIT LOAD.
0058	D4	12/15/2007 00:15	12/15/2007 05:40	5.42	64.71	1,787.50	1476	PULVERIZER FEEDERS; 2D FEEDER FAIL TO START LIMIT LOAD.
0059	D1	12/26/2007 18:32	12/26/2007 23:00	4.47	7.25	165.27	4306	CONTRIBUTED TO PRIMARY CAUSE; PRIMARY AIR DUCTS AND DAMPERS; E MILL HOT AIR GATE FAIL TO OPEN
0060	D1	12/28/2007 02:22	12/28/2007 13:30	11.13	20.00	1,135.60	0310	INDUCED DRAFT FAN SPEED CHANGER; OPERATOR CUT LOAD FOR MAINT. TO PUT OIL IN A-B ID FANS SPEED CHANGERS.
								AUTOMATIC TURBINE CONTROL SYSTEMS - ELECTRO-HYDRAULIC-ANALOG; BAD CARD CAUSED #2 GOV VALVE TO CLOSE AND LIMIT LOAD.
								PULVERIZER MILLS; 2E MILL ROLLER LOCKED-UP CAUSED MILL TO SKID AND LIMIT LOAD.

Event Listing With All Reported Cause Codes

January 01, 2007 00:00 - January 01, 2008 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0061	D4	12/31/2007 22:26	01/01/2008 00:00	1.57	64.71	517.00	1476	INDUCED DRAFT FAN SPEED CHANGER; OPERATOR REDUCED LOAD TO ADD OIL TO A-B ID FAN SPEED CHANGERS

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January 01, 2008 00:00 - January 01, 2009 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 4								
0001	RS	01/01/2008 00:00	01/05/2008 00:00	96.00	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUT DOWN.
0002	PO	01/05/2008 00:00	03/17/2008 00:19	1727.32	100.00	134,730.70	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); REPLACING HP/IP ROTOR AND CONTROL SYSTEM (DCS)
0003	U1	03/17/2008 13:18	03/17/2008 23:19	10.02	100.00	781.30	3344	MAJOR COMPONENT WORKED DURING EVENT; COMBUSTION / STEAM CONDITION CONTROLS; NEW DCS INSTALLED.
0004	RS	03/21/2008 12:53	04/02/2008 21:09	296.27	0.00	0.00	0000	DEAERATOR (INCLUDING LEVEL CONTROL); DEAERATOR LEVEL TRIP DUE TO UNPROVEN CONTROL SCHEME.
0005	RS	05/24/2008 00:28	05/27/2008 08:22	79.90	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT SHUTDOWN DUE TO ECONOMIC DISPATCH.
0006	RS	10/10/2008 22:05	10/14/2008 17:00	90.92	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC DISPATCH.
0007	MO	10/14/2008 17:00	10/15/2008 23:00	30.00	100.00	2,340.00	4550	RESERVE SHUTDOWN; UNIT REMOVED FROM SERVICE FOR ECONOMIC DISPATCH.
0008	RS	10/15/2008 23:00	11/18/2008 10:27	804.45	0.00	0.00	0000	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); BEARING WAS LOWERED TO CHANGE THE LOADING.
0010	U1	11/18/2008 11:22	11/18/2008 13:05	1.72	100.00	133.90	9900	RESERVE SHUTDOWN; UNIT WAS PUT BACK ON RESERVE SHUTDOWN.
0009	U1	12/11/2008 09:47	12/12/2008 23:20	37.55	100.00	2,928.90	1455	OPERATOR ERROR; CONTROL ON FEEDWATER BYPASS ONLY DRUM LEVEL WENT LOW AND TRIPPED.
0011	MO	12/23/2008 20:41	12/31/2008 14:00	185.32	100.00	14,454.70	4550	INDUCED DRAFT FANS; FAN BEARING VIBRATION.
0012	RS	12/31/2008 14:00	01/01/2009 00:00	10.00	0.00	0.00	0000	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); CUT COOLING SLOTS IN THE BEARINGS #3, #4 & #5.
								RESERVE SHUTDOWN; UNIT PLACED ON RESERVE SHUTDOWN DUE TO ECONOMICS.

January 01, 2008 00:00 - January 01, 2009 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	RS	01/01/2008 00:00	01/05/2008 00:00	96.00	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT REMOVED FROM SERVICE FOR RESERVE SHUTDOWN. PLANNED OUTAGE START 1/5/08
0002	PO	01/05/2008 00:00	03/08/2008 14:27	1526.45	100.00	119,063.10	1710	COMBUSTION / STEAM CONDITION CONTROLS; PLANNED OUTAGE FOR BOILER AND TURBINE CONTROL INSTALLATION (DCS)
0003	PO	03/17/2008 12:16	03/17/2008 14:15	1.98	100.00	154.70	4460	TURBINE OVERSPEED TRIP TEST; TURBINE WAS OVERSPEED TESTED DUE TO ELECTRO-HYDRAULIC CONTROL UPGRADE.
0004	U1	04/06/2008 04:18	04/06/2008 21:50	17.53	100.00	1,367.60	4279	MISCELLANEOUS TURBINE PIPING; TURBINE STOP VALVE DRAIN PIPE WAS CRACKED AND NEEDED TO BE REPAIRED.
0005	U1	04/08/2008 05:20	04/08/2008 12:18	6.97	100.00	543.40	1455	INDUCED DRAFT FANS; ID AND FD FANS TRIPPED RESULTING IN A TURBINE TRIP.
0006	MO	04/18/2008 21:52	04/20/2008 15:01	41.15	100.00	3,209.70	1488	AIR HEATER (REGENERATIVE); 5B AIR HEATER GUIDE BEARING REPLACEMENT.
0007	D2	05/30/2008 17:10	05/31/2008 22:16	29.10	41.03	931.20	1040	FIRST SUPERHEATER TUBE LEAKS; SOOTBLOWER CUT TUBES IN THE LOW TEMP. SUPERHEAT SECTION OF THE BOILER.
0008	MO	05/31/2008 22:16	06/03/2008 08:59	58.72	100.00	4,579.90	1040	FIRST SUPERHEATER TUBE LEAKS; SOOTBLOWER CUT TUBES IN THE LOW TEMP. SUPERHEAT SECTION OF THE BOILER.
0009	MO	06/13/2008 23:36	06/15/2008 00:30	24.90	100.00	1,942.20	1090	OTHER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR A STEAM COOL WALL TUBE LEAK.
0010	D1	06/15/2008 02:36	06/15/2008 19:15	16.65	48.72	632.70	3110	CONDENSER TUBE LEAKS; UNIT REDUCED LOAD DUE TO A CONDENSER TUBE LEAK IN "B" SIDE.
0011	D1	08/12/2008 06:00	08/12/2008 14:30	8.50	46.15	306.00	3110	CONDENSER TUBE LEAKS; B-SIDE HAD A CONDENSER TUBE LEAK.
0012	D1	08/18/2008 20:40	08/18/2008 23:40	3.00	6.41	15.00	0250	PULVERIZER FEEDERS; D FEEDER WAS PLUGGED (THIS WAS TWO EVENTS SPREAD OVER THE TIME PERIOD)
0013	D1	08/28/2008 20:28	08/28/2008 23:55	3.45	14.10	37.95	0250	PULVERIZER FEEDERS; FOREIGN OBSTRUCTION IN D FEEDER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D1	09/22/2008 08:10	09/22/2008 23:45	15.58	42.31	514.25	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER HAD A TUBE LEAK.
0015	D1	09/30/2008 03:50	09/30/2008 12:30	8.67	42.31	286.00	3110	CONDENSER TUBE LEAKS; B-SIDE CONDENSER HAD A TUBE LEAK.
0016	D1	10/02/2008 22:30	10/03/2008 04:25	5.92	46.15	213.00	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAKS ON A SIDE OF THE CONDENSER.
0017	D1	10/20/2008 04:00	10/20/2008 12:20	8.33	46.15	300.00	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER LEAK.
0018	D1	10/23/2008 11:30	10/23/2008 18:50	7.33	33.33	190.67	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK.
0019	U1	11/10/2008 08:27	11/10/2008 10:18	1.85	100.00	144.30	9910	MAINTENANCE PERSONNEL ERROR; I&C PERSONNEL BLOWING FURN. PRESS. TAPS OUT TRIPPED UNIT.
0020	D1	11/24/2008 07:21	11/24/2008 15:04	7.72	46.15	277.80	3110	CONDENSER TUBE LEAKS; A CONDENSER TUBE LEAKED IN THE A SIDE OF THE CONDENSER.
0021	D1	12/28/2008 06:00	12/28/2008 14:00	8.00	32.05	200.00	3110	CONDENSER TUBE LEAKS; B-SIDE CONDENSER HAD A TUBE LEAK.

Event Listing With All Reported Cause Codes

January 01, 2008 00:00 - January 01, 2009 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	D1	01/08/2008 07:31	01/13/2008 22:19	134.80	2.32	747.02	1455	INDUCED DRAFT FANS; ID FANS MAXED OUT DUE TO HIGH MASS FLOW THROUGH THE BOILER.
0002	U1	01/08/2008 23:20	01/10/2008 03:25	28.08	100.00	8,481.17	0799	OTHER PIPING SYSTEM PROBLEMS; RING HEADER DRAIN DEVELOPED A LEAK INSIDE THE DEAD AIR SPACE.
0003	D1	01/15/2008 05:50	01/26/2008 22:09	280.32	6.95	5,886.65	1140	FIRST SUPERHEATER SLAGGING & FOULING; PLUGGAGE IN THE BACKPASS CAUSED THE REHEAT OUTLET TEMP. TO INCREASE TO ITS LIMIT.
0004	D1	01/18/2008 07:30	01/18/2008 14:53	7.38	23.51	369.17	0870	SOOT BLOWERS STEAM; SOOTBLOWING HEADER WAS REMOVED FROM SERVICE TO REPAIR REDUCED LOAD FOR TEMPERATURES.
0005	MO	01/26/2008 22:09	01/29/2008 07:16	57.12	100.00	17,249.23	1140	FIRST SUPERHEATER SLAGGING & FOULING; UNIT REMOVED FROM SERVICE TO CLEAN OUT THE BACKPASS.
0006	U1	01/29/2008 15:47	01/29/2008 17:11	1.40	100.00	422.80	1700	MAJOR COMPONENT WORKED DURING EVENT; AIR HEATER FOULING (REGENERATIVE); AIR HEATER WAS WASHED DURING THE OUTAGE. FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); DRUM LEVEL WENT LOW AND UNIT HAD MFT THEN HIGH WHICH LED TO TURBINE BEING TRIPPED.
0007	D1	01/31/2008 16:20	02/02/2008 10:55	42.58	7.28	936.83	1400	FORCED DRAFT FANS; "A" FORCED DRAFT FAN HAD BEARING VIBRATION PROBLEMS.
0008	D1	02/02/2008 10:55	02/02/2008 17:40	6.75	32.45	661.50	0250	PULVERIZER FEEDERS; "C" FEEDER BELT WAS TORN AND HAD TO BE REPLACED.
0009	D1	02/03/2008 09:00	02/03/2008 11:50	2.83	1.99	17.00	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY CAUSING MASS FLOW ISSUES WITH THE MILLS.
0010	D1	02/04/2008 10:45	02/04/2008 23:55	13.17	10.60	421.33	3813	SERVICE WATER HEAT EXCHANGERS; SERVICE WATER TEMPERATURE HIGH (TURBINE OIL TEMP. REACHED THE HI LIMIT)
0011	MO	02/04/2008 23:55	02/06/2008 01:16	25.35	100.00	7,655.70	1090	OTHER TUBE LEAKS; PARTITION WALL TUBE LEAK. FATIGUE IN OLD WELD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0012	D1	02/24/2008 17:15	02/24/2008 23:05	5.83	7.28	128.33	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY CAUSED MILL DIFFERENTIALS TO HI LIMIT AND CAUSE RUNBACK.
0013	D1	02/29/2008 13:30	03/01/2008 23:45	34.25	1.99	205.50	3813	SERVICE WATER HEAT EXCHANGERS; 6 C SERVICE WATER COOLER OUT OF SERVICE FOR RETUBING REACHED TURB. OIL HI LIMIT.
0014	U1	03/02/2008 08:44	03/04/2008 02:55	42.18	100.00	12,739.37	0782	HEADERS AND CAPS; DRAIN LINE ON LOWER WATERWALL WAS CRACKED AT THE WELD TO THE HEADER LEAKING.
0015	PO	03/29/2008 00:20	04/23/2008 08:43	608.38	100.00	183,731.77	4261	CONTROL VALVES; UNIT WAS REMOVED FOR SERVICE TO DO ROUTINE MAINTENANCE ON THE TURBINE VALVES.
0016	U1	04/23/2008 10:26	04/23/2008 11:33	1.12	100.00	337.23	9920	CONTRACTOR ERROR; TURBINE ROTOR POSITION WAS NOT SET CORRECTLY CAUSING VIBRATION.
0017	U1	04/23/2008 13:38	04/28/2008 19:58	126.33	100.00	38,152.67	9920	CONTRACTOR ERROR; TURBINE ROTOR POSITION WAS NOT SET CORRECTLY CAUSING VIBRATION.
0018	PO	04/29/2008 11:08	04/29/2008 12:14	1.10	100.00	332.20	4460	TURBINE OVERSPEED TRIP TEST; TURBINE WAS OVERSPEED TRIP TESTED FOLLOWING THE OUTAGE.
0019	U1	04/30/2008 07:40	05/01/2008 14:09	30.48	100.00	9,205.97	1040	FIRST SUPERHEATER TUBE LEAKS; LOW TEMP. SH PANEL STUB @ HEADER BLEW OUT.
0020	D1	05/06/2008 18:00	05/06/2008 19:37	1.62	20.20	98.62	1420	OTHER FORCED DRAFT FAN PROBLEMS; 6 B FD FAN DAMPER WAS BINDING AND WOULD NOT MOVE.
0021	U1	05/08/2008 23:15	05/09/2008 07:49	8.57	100.00	2,587.13	4293	HYDRAULIC SYSTEM PIPES AND VALVES; TURBINE EH SYSTEM HAD A LEAK.
0022	MO	05/09/2008 07:49	05/10/2008 13:10	29.35	100.00	8,863.70	0782	HEADERS AND CAPS; LEFT SIDE WATERWALL HEADER DRAIN 90 CRACKED INSIDE THE DEAD AIR SPACE.
0023	U1	05/18/2008 19:40	05/18/2008 21:04	1.40	100.00	422.80	4266	MAIN STOP VALVE TESTING; THROTTLE VALVE TESTING CAUSED CONTROL VALVE CONTROL UPSET AND UNIT TRIPPED.
0024	RS	05/24/2008 00:06	05/27/2008 04:21	76.25	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT WAS REMOVED FROM SERVICE FOR ECONOMIC DISPATCH.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	D1	05/31/2008 15:45	06/01/2008 09:14	17.48	3.31	174.83	0250	PULVERIZER FEEDERS; C FEEDER ELECTRONIC CARD LIMITING FEED RATE TO 68KPPH OTHER MILLS HI DP.
0026	D1	06/02/2008 14:00	06/03/2008 00:03	10.05	2.98	90.45	0250	PULVERIZER FEEDERS; C FEEDER ELECTRONIC CARD LIMITING FEED RATE TO 68KPPH OTHER MILLS HI DP.
0027	D1	06/06/2008 23:45	06/07/2008 01:02	1.28	1.99	7.70	0250	PULVERIZER FEEDERS; C FEEDER ELECTRONIC CARD LIMITING FEED RATE TO 68KPPH OTHER MILLS HI DP.
0028	D1	06/07/2008 12:47	06/07/2008 15:41	2.90	30.13	263.90	1090	OTHER TUBE LEAKS; HRA WALL TUBES AT HEADER DEVELOPED LEAKS.
0029	U1	06/07/2008 15:41	06/08/2008 23:05	31.40	100.00	9,482.80	1090	OTHER TUBE LEAKS; HRA WALL TUBES AT HEADER DEVELOPED LEAKS.
0030	D1	06/14/2008 19:00	06/14/2008 19:50	0.83	4.30	10.83	9250	LOW BTU COAL (OMC); UNIT REDUCED DUE TO HIGH MILL DIFFERENTIALS FROM POOR FUEL QUALITY.
0031	D1	06/14/2008 19:50	06/14/2008 23:23	3.55	7.28	78.10	9250	LOW BTU COAL (OMC); UNIT REDUCED LOAD DUE TO HIGH MILL DIFFERENTIALS FROM POOR FUEL QUALITY
0032	U1	06/25/2008 18:11	06/26/2008 16:31	22.33	100.00	6,744.67	1040	FIRST SUPERHEATER TUBE LEAKS; FLY ASH EROSION CAUSED A TUBE FAILURE IN THE LOW TEMP SH. STARTUP ADDED.
0033	MO	06/26/2008 16:31	06/27/2008 03:31	11.00	100.00	3,322.00	1040	FIRST SUPERHEATER TUBE LEAKS; PARTITION WALL HEADER STUB CRACKING.
0034	D1	06/27/2008 10:08	06/27/2008 11:26	1.30	33.77	132.60	0310	PULVERIZER MILLS; THRUST RING TEMPERATURE CAUSED 6 'B' MILL TO TRIP
0035	D1	07/05/2008 15:30	07/06/2008 01:00	9.50	48.01	1,377.50	3800	OPEN COOLING WATER PUMPS AND MOTORS; THE COOLING WATER PUMP MOTOR FAILED TO 6 C SERVICE WATER COOLER.
0036	D2	07/10/2008 01:35	07/10/2008 04:55	3.33	55.63	560.00	3811	SERVICE WATER PIPING; REDUCED LOAD TO REMOVE 6C S.W. COOLER FROM SERVICE TO MODIFY PIPING
0037	D1	07/14/2008 09:45	07/14/2008 16:00	6.25	43.05	812.50	3810	SERVICE WATER PUMPS AND MOTORS; REDUCED LOAD DUE TO 6C S.W. COOLING WATER PUMP RUNNING HOT.
0038	D1	07/14/2008 09:45	07/14/2008 16:00	6.25	43.05	0.00	3800	OPEN COOLING WATER PUMPS AND MOTORS; 6 C COOLING WATER PUMP MOTOR OVERAMPING.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0039	U1	07/20/2008 12:05	07/21/2008 14:58	26.88	100.00	8,118.77	1080	ECONOMIZER TUBE LEAKS; LOWER ECONOMIZER TUBE RUBBED ON "LADDER RACK" ALIGNMENT BAR.
0040	D1	07/22/2008 12:00	07/22/2008 17:35	5.58	4.30	72.58	9250	LOW BTU COAL (OMC); REDUCED LOAD FOR HIGH MILL DIFFERENTIALS DUE TO POOR FUEL QUALITY
0041	D1	07/24/2008 15:15	07/24/2008 22:00	6.75	1.99	40.50	1455	INDUCED DRAFT FANS; REDUCED LOAD FOR MAXIMUM I.D. FAN DISCHARGE DAMPER LIMITS, DUE TO POOR FUEL QUALITY
0042	D1	07/25/2008 14:50	07/26/2008 04:45	13.92	1.99	83.50	1455	INDUCED DRAFT FANS; REDUCED LOAD DUE TO MAXIMUM DISCHARGE DAMPER LIMITS,DUE TO POOR FUEL QUALITY.
0043	D1	07/26/2008 13:00	07/27/2008 00:15	11.25	1.99	67.50	1455	INDUCED DRAFT FANS; REDUCED LOAD DUE TO MAXIMUM DISCHARGE DAMPER LIMITS DUE TO POOR FUEL QUALITY
0045	D1	07/29/2008 13:40	07/29/2008 15:00	1.33	32.45	130.67	0250	PULVERIZER FEEDERS; A PIECE OF CONCRETE WAS LODGED ON THE B FEEDER BELT.
0046	U1	08/04/2008 21:26	08/05/2008 22:43	25.28	100.00	7,635.57	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK.
0047	MO	08/05/2008 22:43	08/06/2008 23:23	24.67	100.00	7,449.33	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATERS WERE PLUGGING AND NEEDED WASHING.
0048	MO	08/12/2008 23:06	08/14/2008 06:10	31.07	100.00	9,382.13	1060	FIRST REHEATER TUBE LEAKS; SUPPORT LUG ON THE ELEMENT CRACKED AND CAUSED A LEAK.
0049	U1	08/27/2008 15:30	08/28/2008 17:51	26.35	100.00	7,957.70	1040	FIRST SUPERHEATER TUBE LEAKS; LOW TEMPERATURE SUPERHEAT TUBE LEAK CRACKED WELD AT THE HEADER.
0050	U1	08/30/2008 21:06	08/31/2008 21:52	24.77	100.00	7,479.53	1080	ECONOMIZER TUBE LEAKS; LOWER ECONOMIZER FLY ASH EROSION.
0051	D1	09/01/2008 12:15	09/01/2008 23:59	11.73	4.30	152.53	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0052	D1	09/02/2008 07:00	09/03/2008 03:38	20.63	4.30	268.23	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0053	D1	09/03/2008 08:27	09/03/2008 09:03	0.60	32.45	58.80	0270	PRIMARY AIR DUCTS AND DAMPERS; FLOW DAMPER TRIPPED AND PA FAN MOTOR OVERAMPED & TRIPPED.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0055	D1	09/03/2008 09:43	09/03/2008 10:20	0.62	32.45	60.43	0256	SEAL AIR SYSTEM (AIR TO PULVERIZERS); 6C MILL TRIPPED DUE TO SEAL AIR DAMPER CONTROL TRIP.
0057	D1	09/04/2008 11:25	09/05/2008 00:01	12.60	4.30	163.80	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0058	D1	09/05/2008 12:00	09/05/2008 21:11	9.18	7.28	202.03	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0059	MO	09/05/2008 22:19	09/07/2008 00:37	26.30	100.00	7,942.60	1040	FIRST SUPERHEATER TUBE LEAKS; HRA TUBE WELD FAILED AND CUT ADJACENT TUBES.
0060	D1	09/07/2008 13:35	09/08/2008 01:00	11.42	7.28	251.17	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0061	U1	09/08/2008 02:29	09/09/2008 06:03	27.57	100.00	8,325.13	1040	FIRST SUPERHEATER TUBE LEAKS; PRIMARY SUPERHEAT TUBE LEAK.
0062	D1	09/20/2008 14:27	09/20/2008 21:30	7.05	7.28	155.10	1999	BOILER, MISCELLANEOUS; REHEAT OUTLET AND REHEAT PANELS ABOVE HIGH LIMIT.
0064	MO	09/21/2008 00:17	09/21/2008 23:09	22.87	100.00	6,905.73	1080	ECONOMIZER TUBE LEAKS; OLD WELD REPAIR LEAK.
0063	D1	09/28/2008 10:09	09/28/2008 23:10	13.02	5.63	221.28	1999	BOILER, MISCELLANEOUS; REHEAT PANEL TEMPERATURES EXCEEDING HIGH LIMIT.
0065	D1	09/28/2008 10:09	09/28/2008 23:10	13.02	7.28	65.08	1999	BOILER, MISCELLANEOUS; REHEAT OUTLET AND REHEAT PANELS ABOVE THE HIGH LIMIT.
0066	D1	10/03/2008 00:30	10/03/2008 04:25	3.92	7.28	86.17	1999	BOILER, MISCELLANEOUS; REHEAT OUTLET TEMPERATURES AND REHEAT PANELS HI TEMP. LIMIT.
0067	RS	10/07/2008 23:06	11/16/2008 00:29	938.38	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT REMOVED FROM SERVICE DUE TO ECONOMIC DISPATCH.
0068	MO	11/26/2008 23:16	11/28/2008 02:03	26.78	100.00	8,088.57	1040	FIRST SUPERHEATER TUBE LEAKS; HRA PARTITION WALL CRACK IN TUBE STUB AT THE HEADER
0069	NC	11/30/2008 03:41	12/02/2008 00:20	44.65	0.00	0.00	0310	PULVERIZER MILLS; 6 C MILL ROLL LOCKED UP.
0070	RS	12/12/2008 19:59	12/13/2008 00:01	4.03	0.00	0.00	0000	RESERVE SHUTDOWN; ECONOMIC DISPATCH.
0071	PO	12/13/2008 00:01	01/01/2009 00:00	455.98	100.00	137,706.97	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); BOILER OUTAGE:

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	D1	01/02/2008 12:35	01/02/2008 12:45	0.17	9.75	7.67	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); 'C' MILL PLUGGED SENSING LINE.
0002	U1	01/05/2008 22:33	01/07/2008 10:08	35.58	100.00	16,795.33	4263	REHEAT STOP VALVES; RIGHT HAND HOT REHEAT VALVE DRAIN LINE CRACKED WELD WAS LEAKING.
0003	D1	01/09/2008 11:17	01/09/2008 12:10	0.88	41.53	173.13	3619	OTHER SWITCHYARD EQUIPMENT-EXTERNAL (OMC); FAULT IN THE SWITCHYARD CAUSED A CAPACITOR BANK EXPLOSION WHICH CAUSED A RUNBACK.
0004	D1	01/09/2008 12:52	01/09/2008 14:35	1.72	25.21	204.28	3416	OTHER FEEDWATER PUMP PROBLEMS; 7 A BFP MINIMUM FLOW VALVE CLOSED OFF.
0005	NC	01/11/2008 07:00	01/11/2008 14:30	7.50	0.00	0.00	0344	PULVERIZER INSPECTION; 7 D MILL REMOVED FROM SERVICE TO INSPECT FOR DAMAGE.
0006	D1	01/23/2008 09:25	01/24/2008 17:05	31.67	1.27	190.00	9250	LOW BTU COAL (OMC); FUEL QUALITY WAS POOR AND CAUSED A REDUCTION IN LOAD TO ACCOMMODATE MASS FLOW PROBLEMS.
0007	D1	01/29/2008 17:30	02/02/2008 12:33	91.05	1.27	546.30	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY CAUSING MASS FLOW HIGH LIMIT.
0008	D1	02/02/2008 21:40	02/06/2008 17:15	91.58	1.27	549.50	1475	INDUCED DRAFT FAN CONTROLS; "C" ID FAN INLET DAMPER DRIVE WOULD NOT OPERATE AUTOMATICALLY.
0009	D4	02/04/2008 18:15	02/05/2008 03:00	8.75	10.81	393.75	0310	PULVERIZER MILLS; "C" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0010	D4	02/05/2008 17:55	02/06/2008 02:45	8.83	10.81	397.50	0310	PULVERIZER MILLS; "A" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0011	D4	02/06/2008 17:30	02/07/2008 13:30	20.00	10.81	1,020.00	0310	PULVERIZER MILLS; "B" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0012	D4	02/07/2008 17:00	02/08/2008 00:30	7.50	10.81	382.50	0310	PULVERIZER MILLS; "D" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0013	D4	02/08/2008 18:30	02/09/2008 01:30	7.00	11.86	392.00	0310	PULVERIZER MILLS; "E" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0014	D1	02/09/2008 09:53	02/09/2008 12:34	2.68	20.13	254.92	0335	PULVERIZER LUBE OIL SYSTEM; "E" MILL LUBE OIL SKID CONTROLS HAD WATER IN THEM.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	D4	02/09/2008 18:00	02/09/2008 23:09	5.15	11.86	288.40	0310	PULVERIZER MILLS; "F" MILL TAKEN OUT OF SERVICE TO REPAIR MAIN SHAFT SEALS.
0016	D1	02/12/2008 12:00	02/26/2008 16:00	340.00	0.64	1,020.00	1455	INDUCED DRAFT FANS; ID FANS UNSTABLE AT THIS MASS FLOW RATE (MOTORS OVERAMPING)
0017	D4	02/26/2008 23:55	02/27/2008 06:25	6.50	11.86	364.00	0335	PULVERIZER LUBE OIL SYSTEM; 7 E MILL LUBE OIL WAS CHANGED OUT.
0018	D3	03/01/2008 14:30	03/01/2008 18:40	4.17	11.86	233.33	0270	PRIMARY AIR DUCTS AND DAMPERS; 7 C PRIMARY AIR FAN DUCTWORK SPLIT OPEN, MILL OUT TO REPAIR.
0019	D1	03/07/2008 10:30	03/08/2008 22:00	35.50	61.86	10,366.00	1400	FORCED DRAFT FANS; 7 B INLET VANE DAMPER SHAFTS FAILED.
0020	D1	03/15/2008 13:15	03/15/2008 16:50	3.58	7.63	129.00	1415	FORCED DRAFT FAN CONTROLS; 7 A FD FAN DAMPER PROBLEMS.
0021	D1	03/15/2008 17:25	03/16/2008 00:10	6.75	3.60	114.75	1455	INDUCED DRAFT FANS; MASS FLOW INCREASE CAUSED FANS TO MOVE INTO UNSTABLE REGION AND OVERAMP.
0022	D1	03/29/2008 11:00	03/31/2008 08:30	45.50	10.59	2,275.00	3431	OTHER FEEDWATER VALVES; 7 A BOILER FEED PUMP MINIMUM FLOW VALVE STUCK PARTIALLY OPEN CAUSING FLOW PROBLEMS.
0023	D1	03/31/2008 08:30	04/10/2008 01:28	232.97	3.60	3,960.43	3431	OTHER FEEDWATER VALVES; 7 A BOILER FEED PUMP MINIMUM FLOW VALVE STUCK PARTIALLY OPEN CAUSING FLOW PROBLEMS.
0024	D1	04/07/2008 08:10	04/08/2008 07:00	22.83	7.63	433.83	9270	WET COAL (OMC); WET COAL CAUSING INCREASED MASS FLOW AS WELL AS FAN CAPACITY ISSUES.
0025	MO	04/10/2008 01:28	04/14/2008 03:15	97.78	100.00	46,153.73	1493	AIR HEATER FOULING (REGENERATIVE); UNIT WAS REMOVED FOR AIR HEATER WASH IN PREPARATION FOR THE PEAK SEASON.
0026	D1	04/15/2008 01:15	04/15/2008 07:40	6.42	20.13	609.58	3431	OTHER FEEDWATER VALVES; 7A BFP MINIMUM FLOW VALVE HAD PROBLEMS.
0027	D1	04/16/2008 10:00	04/16/2008 19:55	9.92	16.31	763.58	0310	PULVERIZER MILLS; 7B MILL WAS TAKEN OUT OF SERVICE TO WORK ON THE BOWL SEALS.
0028	D1	04/17/2008 09:45	04/17/2008 11:00	1.25	16.31	96.25	0310	PULVERIZER MILLS; 7C MILL WAS REMOVED FORM SERVICE TO WORK ON THE BOWL SEALS.
0029	D1	05/04/2008 12:45	05/05/2008 00:30	11.75	1.69	94.00	1455	INDUCED DRAFT FANS; ID FAN INSTABILITY DUE TO HIGH MASS FLOW.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0030	D4	05/11/2008 21:43	05/12/2008 04:45	7.03	9.75	323.53	0267	PRIMARY AIR FLOW INSTRUMENTATION; 7 D MILL REMOVED FROM SERVICE TO CHECK AND CLEAN PA PITOT TUBE.
0031	D4	05/12/2008 22:32	05/13/2008 04:45	6.22	5.72	167.85	0267	PRIMARY AIR FLOW INSTRUMENTATION; 7A & 7C PRIMARY AIR FLOW PITOT TUBE CLEAN OUT AND INSPECT.
0032	D4	05/13/2008 22:30	05/14/2008 04:30	6.00	5.72	162.00	0267	PRIMARY AIR FLOW INSTRUMENTATION; 7A & 7C PRIMARY AIR FLOW PITOT TUBE CLEAN OUT AND INSPECT.
0033	U1	06/19/2008 10:52	06/21/2008 02:29	39.62	100.00	18,699.07	1080	ECONOMIZER TUBE LEAKS; UPPER ECON. TUBE BEND EROSION LEAK CUT A LOW TEMP. SH & PARTITION WALL TUBE.
0034	U1	06/21/2008 09:35	06/23/2008 03:35	42.00	100.00	19,824.00	1035	PLATEN SUPERHEATER TUBE LEAKS; DIVISION WALL TUBE LUG CRACKED AND FAILED.
0035	D1	06/23/2008 12:09	06/23/2008 16:45	4.60	53.39	1,159.20	1476	INDUCED DRAFT FAN SPEED CHANGER; 7 'B' ID FAN SPEEDCHANGER HAD AN ELECTRONIC CARD FAILURE.
0037	NC	07/02/2008 01:25	07/02/2008 07:30	6.08	0.00	0.00	0250	PULVERIZER FEEDERS; 7-B FEEDER REMOVED FROM SERVICE FOR REPAIR
0036	NC	07/02/2008 01:25	07/02/2008 07:30	6.08	0.00	0.00	0250	PULVERIZER FEEDERS; 7 B FEEDER WOULD NOT START USED ANOTHER MILL TO CARRY THE LOAD.
0038	MO	07/11/2008 22:17	07/13/2008 06:36	32.32	100.00	15,253.47	1060	FIRST REHEATER TUBE LEAKS; REMOVED UNIT TO REPAIR TUBE LEAKS
0039	D1	07/13/2008 11:30	07/13/2008 16:45	5.25	15.89	393.75	3431	CONTRIBUTED TO PRIMARY CAUSE; ECONOMIZER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR REHEAT AND ECONOMIZER TUBE LEAKS.
0040	D1	07/13/2008 16:45	07/14/2008 00:15	7.50	6.78	240.00	3431	OTHER FEEDWATER VALVES; REDUCED LOAD DUE TO 7 A B.F.P. MINIMUM FLOW VALVE WILL NOT CLOSE OFF
0041	D1	07/16/2008 13:55	07/16/2008 19:15	5.33	45.34	1,141.33	0264	OTHER FEEDWATER VALVES; REDUCED LOAD DUE TO 7A B.F.P. MINIMUM FLOW VALVE WILL NOT CLOSE OFF.
								OTHER PRIMARY AIR FAN PROBLEMS; 7 A PA FAN INLET VANE TRIPPED AND WENT CLOSED (RUNBACK). CONTROL CARD PROBLEM.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0042	D1	07/17/2008 01:00	07/17/2008 03:38	2.63	3.60	44.77	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 7 B ID FAN INLET DMPR PROBLEMS.
0043	D1	07/17/2008 06:30	07/17/2008 11:15	4.75	3.60	80.75	9250	LOW BTU COAL (OMC); FUEL QUALITY CAUSING MILLS TO OVERLOAD AND MILL DP TO GO HIGH.
0044	D1	07/22/2008 19:31	07/23/2008 03:18	7.78	2.75	101.18	9250	LOW BTU COAL (OMC); REDUCED LOAD FOR PULVERIZER RUNBACKS DUE TO POOR FUEL QUALITY
0045	D1	07/23/2008 07:07	07/23/2008 15:00	7.88	1.69	63.07	9250	LOW BTU COAL (OMC); REDUCED LOAD FOR PULVERIZER RUNBACKS DUE TO POOR FUEL QUALITY
0046	D1	07/24/2008 14:00	07/25/2008 01:15	11.25	3.60	191.25	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO 7C I.D. FAN STATOR TEMP OTHER FANS AT CAPACITY
0047	D1	07/25/2008 12:10	07/25/2008 22:05	9.92	3.60	168.58	1455	INDUCED DRAFT FANS; REDUCED LOAD FOR I.D. FANS AT MAXIMUM OUTPUT DUE TO POOR FUEL QUALITY
0048	MO	07/25/2008 23:54	07/27/2008 01:55	26.02	100.00	12,279.87	1060	FIRST REHEATER TUBE LEAKS; UNIT REMOVED FROM SERVICE TO REPAIR REHEAT TUBE LEAK.
0049	D1	07/30/2008 10:13	07/30/2008 13:10	2.95	5.72	79.65	1415	FORCED DRAFT FAN CONTROLS; FD FAN CONTROLS REJECTED TO MANUAL.
0050	D4	08/15/2008 13:00	08/16/2008 14:07	25.12	59.75	7,082.90	0270	PRIMARY AIR DUCTS AND DAMPERS; HOT AIR DUCT EXPANSION JOINT FAILED BETWEEN E AND F MILLS.
0051	MO	08/16/2008 14:07	08/16/2008 23:41	9.57	100.00	4,515.47	0270	PRIMARY AIR DUCTS AND DAMPERS; HOT AIR DUCT EXPANSION JOINT FAILED BETWEEN E AND F MILLS.
0052	D1	08/19/2008 14:40	08/19/2008 16:00	1.33	13.56	85.33	1999	BOILER, MISCELLANEOUS; SUPERHEAT AND REHEAT DAMPER CONTROLS REJECT TO MANUAL. (CONTROLS)
0053	MO	08/21/2008 23:47	08/22/2008 23:49	24.03	100.00	11,343.73	1060	FIRST REHEATER TUBE LEAKS; REHEAT LEAK IN BACKPASS CORNER.
0054	D1	08/24/2008 21:05	08/25/2008 19:15	22.17	18.01	1,884.17	0280	PULVERIZER FIRES; F MILL HAD A TEMPERATURE EXCURSION THAT PUFFED THE MILL FAILING F-13 LINE PATCH.
0055	D1	08/27/2008 11:45	08/27/2008 21:00	9.25	15.89	693.75	0310	PULVERIZER MILLS; F MILL STOPPED GRINDING.
0056	D1	09/01/2008 12:00	09/01/2008 23:59	11.98	4.66	263.63	9270	WET COAL (OMC); WET COAL.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0057	D1	09/01/2008 12:00	09/01/2008 23:59	11.98	4.66	0.00	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0058	D1	09/03/2008 08:30	09/03/2008 09:30	1.00	21.19	100.00	0250	PULVERIZER FEEDERS; C FEEDER DISCHARGE PIPE PLUGGED.
0059	D1	09/05/2008 13:56	09/06/2008 01:05	11.15	4.66	245.30	9270	WET COAL (OMC); WET FUEL CAUSING MASS FLOW TO INCREASE AND MAX OUT ID FANS.
0060	D1	09/05/2008 23:55	09/06/2008 00:20	0.42	15.89	22.08	0250	PULVERIZER FEEDERS; F FEEDER DISCHARGE PIPE PLUGGED.
0062	D4	09/08/2008 22:00	09/09/2008 07:30	9.50	18.01	807.50	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 7 D MILL OOS FOR PYRITE REMOVAL SWEEP REPAIRS.
0061	U1	09/09/2008 20:27	09/11/2008 01:15	28.80	100.00	13,593.60	1040	FIRST SUPERHEATER TUBE LEAKS; HRA REAR WALL FLOOR TUBE LEAK.
0063	D1	09/11/2008 10:20	09/11/2008 10:50	0.50	18.01	42.50	0250	PULVERIZER FEEDERS; A ROCK WAS REMOVED FROM C FEEDER BELT.
0064	MO	09/17/2008 22:48	09/20/2008 22:08	71.33	100.00	33,669.33	1060	FIRST REHEATER TUBE LEAKS; REHEAT TUBE BEGAN LEAKING AND CUT HRA TUBING.
0065	D4	10/22/2008 20:45	10/23/2008 02:40	5.92	53.81	1,502.83	3220	CIRCULATING WATER PIPING; CROSSOVER PIPE LEAK REPAIR.
0066	D1	11/13/2008 12:00	11/13/2008 21:15	9.25	5.30	231.25	9250	LOW BTU COAL (OMC); POOR FUEL QUALITY CAUSING HIGH LIMIT ON MILL DIFFERENTIALS.
0067	U1	11/16/2008 21:57	11/19/2008 11:22	61.42	100.00	28,988.67	1080	ECONOMIZER TUBE LEAKS; WELD ATTACHMENTS PULLED FROM THE TUBES IN THE ECONOMIZER & CAUSED LEAKS.
0068	U1	11/26/2008 01:24	11/26/2008 08:42	7.30	100.00	3,445.60	3631	400-700 VOLT CIRCUIT BREAKERS; 600 V BREAKER FAILED AND TRIPPED EQPT. THAT TRIPPED THE UNIT.
0069	D1	11/27/2008 01:15	11/28/2008 15:50	38.58	22.25	4,051.25	9250	LOW BTU COAL (OMC); 7 A & B MILL HIGH DIFFERENTIALS WITH LOW BTU COAL.
0070	D1	11/29/2008 21:45	12/03/2008 19:55	94.17	20.13	8,945.83	0310	PULVERIZER MILLS; 7 A MILL REPAIRS VANE WHEEL REPLACEMENT.
0071	D2	12/06/2008 02:30	12/06/2008 10:25	7.92	23.73	886.67	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 7 D MILL PYRITE SWEEP REPLACEMENT.
0072	MO	12/06/2008 10:26	12/07/2008 16:29	30.05	100.00	14,183.60	1040	FIRST SUPERHEATER TUBE LEAKS; PRIMARY SUPER HEAT LEAK CAUSED BY FLY ASH EROSION.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0073	PO	12/13/2008 09:49	12/21/2008 03:34	185.75	100.00	87,674.00	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; UNIT OFF FOR FLUE GAS ISOLATION INSTALLATION FOR SCRUBBER.
Scholz 1								
0001	RS	01/01/2008 00:00	01/01/2008 10:31	10.52	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HR STANDBY
0002	D1	03/09/2008 07:20	03/09/2008 11:20	4.00	34.78	64.00	0250	PULVERIZER FEEDERS; MOTOR WINDINGS ON 1A PULVERIZER FEEDER FAILED. 15 MEGAWATT DERATING
0003	MO	03/22/2008 19:36	03/23/2008 04:05	8.48	100.00	390.23	3439	HP HEATER HEAD LEAKS; #4 HIGH PRESSURE HEATER, TOP OF HEATER - WATER SECTION - WATER LEAK TO THE OUTSIDE
0004	RS	05/12/2008 23:20	05/19/2008 06:41	151.35	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0005	RS	05/23/2008 22:17	05/27/2008 06:35	80.30	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HR. STANDBY)
0006	RS	08/16/2008 01:15	08/31/2008 11:07	369.87	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO 24 HR. STANDBY
0007	RS	09/27/2008 01:25	10/25/2008 00:00	670.58	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN
0008	PO	10/25/2008 00:00	11/16/2008 16:00	545.00	100.00	25,070.00	1810	OTHER BOILER INSPECTIONS; PLANNED BOILER OUTAGE
0009	RS	11/16/2008 16:00	01/01/2009 00:00	1088.00	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT BACK TO RS FROM PLANNED OUTAGE

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	D4	01/12/2008 06:00	01/14/2008 16:20	58.33	28.26	758.33	0345	PULVERIZER OVERHAUL; REBUILD GRINDING ELEMENTS OF 2A PULVERIZER
0002	U1	01/21/2008 20:22	01/22/2008 22:33	26.18	100.00	1,204.43	3440	HIGH PRESSURE HEATER TUBE LEAKS; FORCE OUTAGE DUE TO #5 HIGH PRESSURE HEATER TUBE LEAK. HEATER COULD NOT BE ISOLATED.
0003	U1	03/17/2008 18:10	03/18/2008 02:16	8.10	100.00	372.60	3430	FEEDWATER REGULATING (BOILER LEVEL CONTROL) VALVE; LOSS OF FEEDWATER REGULATING VALVE CONTROLS FEEDBACK SIGNAL
0004	RS	05/12/2008 22:10	05/20/2008 00:21	170.18	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0005	SF	05/20/2008 00:21	05/20/2008 06:30	6.15	100.00	282.90	1410	FORCED DRAFT FAN MOTORS; LEADS TO FD FAN MOTOR FAILED
0006	RS	05/20/2008 06:30	05/20/2008 12:40	6.17	0.00	0.00	0000	RESERVE SHUTDOWN;
0007	RS	05/23/2008 21:12	05/27/2008 11:28	86.27	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HR. STANDBY)
0008	RS	08/15/2008 23:33	08/31/2008 06:13	366.67	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNITS TO GO TO 24 HR. STANDBY
0009	RS	09/26/2008 23:56	01/01/2009 00:00	2305.07	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	02/23/2008 00:30	02/23/2008 06:00	5.50	25.93	231.00	0310	PULVERIZER MILLS; THE 1-D MILL WOULD NOT GRIND PROPERLY DUE TO WEAR.
0002	D4	03/31/2008 05:04	04/02/2008 22:00	64.93	24.07	2,532.40	0345	PULVERIZER OVERHAUL; REPLACING THE 1-D PULVERIZER VANE WHEEL AND DEFLECTOR.
0003	MO	04/13/2008 00:14	04/19/2008 02:24	146.17	100.00	23,679.00	4293	HYDRAULIC SYSTEM PIPES AND VALVES; TURBINE CONTROL OIL SYSTEM INSPECTION AND REPAIR.
0004	MO	04/21/2008 23:22	04/27/2008 04:25	125.05	100.00	20,258.10	4140	BEARINGS - 1P TURBINE; INSPECTION ON 1P TURBINE BEARINGS.
0005	NC	05/07/2008 04:18	05/07/2008 12:05	7.78	0.00	0.00	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; HEATER SHELL DRAIN VALVE WELD LEAKING.
0006	D1	06/15/2008 18:30	06/15/2008 22:48	4.30	16.67	116.10	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED TRAMP IRON FROM PULVERIZER AND REPAIR LOOSE WINDOX SCRAPER.
0007	D4	07/08/2008 03:59	07/08/2008 07:09	3.17	22.84	117.17	0250	PULVERIZER FEEDERS; REMOVED 1B FEEDER FROM SERVICE TO REPLACE A WORN FEEDER BELT AND SCRAPER ASSEMBLY.
0008	D4	08/16/2008 05:00	08/16/2008 05:58	0.97	14.81	23.20	0310	PULVERIZER MILLS; INSPECT 1A & 1B PULVERIZERS AND ADJUST MILL ROLLS.
0009	D4	08/17/2008 04:30	08/17/2008 05:30	1.00	14.81	24.00	0310	PULVERIZER MILLS; INSPECT 1D PULVERIZER AND ADJUST MILL ROLLS
0010	D1	08/24/2008 08:30	08/28/2008 07:30	95.00	8.02	1,235.00	9270	WET COAL (OMC); FEEDERS PLUGGING DUE TO WET COAL.
0011	D1	08/27/2008 15:30	08/28/2008 16:30	25.00	13.58	342.00	3211	CIRCULATING WATER PUMP MOTORS; 1B CIRCULATING WATER PUMP OCERCURRENT GROUND FAULT.
0012	D1	08/29/2008 06:10	08/29/2008 09:00	2.83	20.99	96.33	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE METAL ROD FROM MILL BOWL VANE WHEEL.
0015	D4	10/10/2008 07:50	10/10/2008 14:00	6.17	19.75	197.33	0250	PULVERIZER FEEDERS; REPLACE WORN FEEDER BELT.
0013	RS	10/11/2008 15:09	10/11/2008 23:00	7.85	0.00	0.00	0000	RESERVE SHUTDOWN
0014	MO	10/11/2008 23:00	10/19/2008 14:20	183.33	100.00	29,700.00	0891	BOTTOM ASH HOPPERS (INCLUDING GATES); REPAIR BOTTOM ASH SYSTEM INNER GATE.
0016	RS	10/19/2008 14:20	11/04/2008 07:00	377.67	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	MO	11/04/2008 07:00	11/04/2008 19:05	12.08	100.00	1,957.50	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; CONNECT STATION SERVICE FEED TO SNCR ELECTRICAL RETROFIT SUBPANELS
0018	RS	11/04/2008 19:05	11/06/2008 20:45	49.67	0.00	0.00	0000	RESERVE SHUTDOWN;
0019	D1	11/10/2008 18:20	11/10/2008 18:45	0.42	13.58	9.17	0325	PULVERIZER SKIDDING; DROPPED OUT OF SERVICE TO SWEEP AND UNLOAD MILL.
0020	MO	12/28/2008 23:00	12/30/2008 04:12	29.20	100.00	4,730.40	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK ABOVE BURNER BOX ON RIGHT FRONT CORNER OF BOILER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	NC	01/16/2008 02:00	01/16/2008 03:35	1.58	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED FOREIGN MATERIAL FROM 2C MILL
0002	NC	01/29/2008 08:00	01/29/2008 15:00	7.00	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECT 2A PULVERIZER MILL
0003	D1	01/30/2008 03:00	01/30/2008 08:00	5.00	17.95	175.00	0290	PULVERIZER REDUCED CAPACITY DUE TO WEAR; 2E MILL NOT GRINDING (WET ARCH COAL)
0004	NC	01/30/2008 08:00	01/30/2008 15:00	7.00	0.00	0.00	0344	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); WET ARCH COAL.
0005	NC	01/31/2008 08:00	01/31/2008 14:00	6.00	0.00	0.00	0344	PULVERIZER INSPECTION; 2E PULVERIZER INSPECTION.
0006	D1	02/01/2008 06:47	02/01/2008 09:48	3.02	17.95	105.58	0280	PULVERIZER INSPECTION; INSPECT 2C PULVERIZER
0007	D1	02/12/2008 14:00	02/12/2008 16:00	2.00	9.23	36.00	0320	PULVERIZER FIRES; FIRE IN PYRITE REJECT SPOUT (2E MILL)
0008	MO	02/15/2008 23:33	02/18/2008 01:15	49.70	100.00	9,691.50	1488	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED FOREIGN METAL FROM 2B MILL.
0009	D1	02/18/2008 01:15	03/02/2008 17:54	328.65	57.44	36,808.80	9020	AIR HEATER (REGENERATIVE); MO FOR 2A AIR HEATER (SECTOR PLATE FAILURE)
0010	NC	03/21/2008 21:00	03/21/2008 21:38	0.63	0.00	0.00	0320	LIGHTNING; 2A ID FAN MOTOR WINDING FAILURE DUE TO LIGHTNING STRIKE
0011	PO	04/29/2008 00:25	05/22/2008 00:00	551.58	100.00	107,558.75	1812	FOREIGN OBJECT IN PULVERIZER MILL; FOREIGN OBJECT IN 2E PULVERIZER MILL
0012	SE	05/22/2008 00:00	05/23/2008 00:28	24.47	100.00	4,771.00	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; PLANNED SPRING BOILER INSPECTION
0013	D1	05/30/2008 06:00	06/05/2008 00:41	138.68	5.13	1,386.83	4140	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; SCHEDULED OUTAGE EXTENSION
0014	MO	06/05/2008 00:41	06/08/2008 15:40	86.98	100.00	16,961.75	4140	BEARINGS - IP TURBINE; HIGH VIBRATION ON NUMBER 3 AND 4 INTERMEDIATE TURBINE BEARINGS AT FULL LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	D1	06/23/2008 10:26	06/24/2008 18:00	31.57	59.49	3,661.73	8550	ELECTROSTATIC PRECIPITATOR FOULING; MULTIPLE HOT PRECIPITATOR CABINETS TRIPPED DUE TO ASH BUILD UP.
0016	D1	07/13/2008 03:00	07/13/2008 07:25	4.42	40.00	344.50	4279	MISCELLANEOUS TURBINE PIPING; 1ST STAGE PRESSURE SENSING LINE ROOT VALVE PACKING BLEW OUT.
0017	NC	08/06/2008 16:00	08/07/2008 19:30	27.50	0.00	0.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; BROKEN PULVERIZER MILL WIND BOX SCRAPER. NFL AVAILABLE WITH SUPPORT FUEL..
0018	NC	08/12/2008 04:50	08/12/2008 07:14	2.40	0.00	0.00	0310	PULVERIZER MILLS; PULVERIZER INSPECTION AND ROLL ADJUSTMENT ON 2A & 2B MILLS
0019	NC	08/13/2008 04:15	08/13/2008 07:15	3.00	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACING FEEDER BELT DUE TO EXCESSIVE WEAR INDICATING NEAR END OF LIFE OF BELT.
0020	NC	08/14/2008 04:40	08/14/2008 06:07	1.45	0.00	0.00	0310	PULVERIZER MILLS; INSPECT AND SET MILL ROLLS
0021	NC	08/15/2008 04:16	08/15/2008 05:58	1.70	0.00	0.00	0310	PULVERIZER MILLS; PERFORMING MILL INSPECTION AND MILL ROLL ADJUSTMENT.
0022	NC	08/20/2008 03:38	08/20/2008 04:00	0.37	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; TRAMP IRON IN PULVERIZER
0023	D1	08/24/2008 08:30	08/28/2008 07:30	95.00	12.82	2,375.00	9270	WET COAL (OMC); COAL FEEDERS PLUGGING DUE TO WET COAL.
0024	D1	08/27/2008 19:56	08/28/2008 16:30	20.57	13.85	266.13	9660	THERMAL DISCHARGE LIMITS - FOSSIL; DISCHARGE CANAL WATER TEMP HIGH DUE TO LOSS OF CIRCULATOR ON UNIT 1
0025	NC	09/04/2008 05:44	09/04/2008 06:36	0.87	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; LARGE ROCK IN PULVERIZER.
0026	D4	09/10/2008 23:30	09/11/2008 00:30	1.00	64.62	126.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); INSPECTED CONDENSER WATER BOX FOR INLET SCREEN FOULING.
0027	MO	09/26/2008 23:44	10/02/2008 13:12	133.47	100.00	26,026.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; ADJUST BEARING LOADING TO ELIMINATE SUB-SYNCHRONOUS VIBRATION ON BEARING #3

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	NC	10/24/2008 08:00	10/24/2008 10:37	2.62	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACED 2A FEEDER BELT DUE TO HOLES IN BELT.
0029	D1	12/06/2008 00:08	12/06/2008 01:06	0.97	95.38	179.80	1476	INDUCED DRAFT FAN SPEED CHANGER; BOILER TRIP DUE TO 2A ID FAN SPEED CHANGER FAILED TO OPERATE PROPERLY.
0030	NC	12/09/2008 09:00	12/09/2008 20:48	11.80	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; REPAIRING EXHAUSTER FAN ROOFER LINER.
0031	NC	12/15/2008 12:00	12/15/2008 16:47	4.78	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER BELT REPLACEMENT
0032	D1	12/20/2008 01:47	12/20/2008 10:25	8.63	23.08	388.50	1475	INDUCED DRAFT FAN CONTROLS; SEIZED ID FAN OUTLET DAMPER .
0033	U1	12/30/2008 12:57	12/30/2008 14:39	1.70	100.00	331.50	4740	EMERGENCY GENERATOR TRIP DEVICES; LOSS OF EXCITATION AUX RELAY OPERATION.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	D1	01/02/2008 12:15	01/02/2008 13:35	1.33	50.09	354.67	5160	COOLING AND SEAL AIR SYSTEM; GT-B EXHAUST FRAME BLOWER MOTOR #1 TRIPPED AND #2 BLOWER PRESSURE SWITCH BAD QUALITY
0002	RS	01/05/2008 12:08	01/07/2008 02:35	38.45	0.00	0.00	0000	RESERVE SHUTDOWN
0003	RS	01/07/2008 22:06	01/08/2008 06:03	7.95	0.00	0.00	0000	RESERVE SHUTDOWN
0004	RS	01/08/2008 22:03	01/09/2008 05:56	7.88	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	01/09/2008 21:39	01/10/2008 07:00	9.35	0.00	0.00	0000	RESERVE SHUTDOWN
0006	RS	01/10/2008 21:40	01/11/2008 08:01	10.35	0.00	0.00	0000	RESERVE SHUTDOWN
0007	RS	01/11/2008 22:25	01/12/2008 04:00	5.58	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	01/12/2008 22:37	01/13/2008 15:45	17.13	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	01/15/2008 22:07	01/16/2008 04:03	5.93	0.00	0.00	0000	RESERVE SHUTDOWN
0017	D1	01/17/2008 05:00	01/17/2008 06:30	1.50	51.98	414.00	5130	RESERVE SHUTDOWN STARTING SYSTEM (INCLUDING MOTOR); 3A GT FAULT ON EX-2000 AND LCI DURING STARTUP.
0010	D4	01/22/2008 08:18	01/23/2008 00:41	16.38	51.98	4,521.80	5272	BOROSCOPE INSPECTION; GT-B GAS TURBINE COMPRESSOR R-0 BLADE INSPECTION.
0012	RS	01/23/2008 21:01	01/24/2008 02:55	5.90	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	01/28/2008 21:27	01/29/2008 02:57	5.50	0.00	0.00	0000	RESERVE SHUTDOWN
0014	RS	01/29/2008 21:39	01/30/2008 04:30	6.85	0.00	0.00	0000	RESERVE SHUTDOWN
0015	D1	01/30/2008 04:10	01/30/2008 06:30	2.33	51.98	644.00	5048	GAS FUEL SYSTEM; GT-B FUEL GAS AUXILIARY STOP VALVE FAILED TO OPEN DURING STARTUP.
0016	RS	01/30/2008 22:11	01/31/2008 03:57	5.77	0.00	0.00	0000	RESERVE SHUTDOWN
0018	RS	01/31/2008 21:27	02/01/2008 03:30	6.05	0.00	0.00	0000	RESERVE SHUTDOWN
0019	RS	02/02/2008 14:55	02/04/2008 00:00	33.08	0.00	0.00	0000	RESERVE SHUTDOWN
0020	PO	02/04/2008 00:00	02/10/2008 21:45	165.75	100.00	88,013.25	3999	OTHER BALANCE OF PLANT PROBLEMS; SPRING PLANNED OUTAGE -REPLACED GT-B RO COMPRESSOR BLADES. MISC HRSG AND BOP REPAIRS.
0021	RS	02/10/2008 21:45	02/11/2008 00:16	2.52	0.00	0.00	0000	RESERVE SHUTDOWN
0022	RS	02/12/2008 22:08	02/13/2008 03:53	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	02/19/2008 22:23	02/20/2008 04:01	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0024	RS	02/20/2008 21:50	02/21/2008 03:59	6.15	0.00	0.00	0000	RESERVE SHUTDOWN

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	D1	02/21/2008 16:06	02/22/2008 15:46	23.67	51.98	3,703.00	6113	OTHER HP STEAM SYSTEM PROBLEMS; `B` HRSG SUPERHEAT VENT LINE BLEW OUT.
0026	RS	02/21/2008 21:57	02/22/2008 03:35	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0027	SF	02/22/2008 03:35	02/22/2008 13:50	10.25	100.00	5,442.75	5130	STARTING SYSTEM (INCLUDING MOTOR); LCI (LOAD COMMUTATED INVERTER) TRIPPING EX2000 DURING STARTUP.
0028	RS	02/22/2008 22:17	02/23/2008 05:12	6.92	0.00	0.00	0000	RESERVE SHUTDOWN
0029	RS	02/25/2008 22:37	02/26/2008 04:57	6.33	0.00	0.00	0000	RESERVE SHUTDOWN
0030	RS	02/26/2008 21:22	02/27/2008 02:56	5.57	0.00	0.00	0000	RESERVE SHUTDOWN
0031	RS	02/29/2008 20:52	03/03/2008 01:09	52.28	0.00	0.00	0000	RESERVE SHUTDOWN
0032	RS	03/03/2008 21:31	03/04/2008 03:53	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0033	RS	03/06/2008 21:04	03/07/2008 04:31	7.45	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	03/09/2008 09:46	03/09/2008 16:08	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0035	RS	03/10/2008 22:22	03/11/2008 05:55	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0036	RS	03/11/2008 21:57	03/12/2008 02:55	4.97	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	03/13/2008 11:56	03/16/2008 22:07	82.18	0.00	0.00	0000	RESERVE SHUTDOWN
0038	D4	03/16/2008 00:00	03/16/2008 09:18	9.30	51.98	2,566.80	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH GT `A` COMPRESSOR.
0039	D4	03/16/2008 09:18	03/16/2008 16:40	7.37	51.98	2,033.20	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH GT `B` COMPRESSOR
0040	RS	03/18/2008 22:54	03/19/2008 05:57	7.05	0.00	0.00	0000	RESERVE SHUTDOWN
0041	RS	03/21/2008 22:18	03/23/2008 20:58	46.67	0.00	0.00	0000	RESERVE SHUTDOWN
0042	RS	03/25/2008 22:38	03/26/2008 04:02	5.40	0.00	0.00	0000	RESERVE SHUTDOWN
0043	D1	03/27/2008 20:30	03/27/2008 21:27	0.95	51.98	262.20	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; GT-A EXHAUST PRESSURE HIGH TRIP
0044	RS	03/27/2008 22:23	03/28/2008 03:57	5.57	0.00	0.00	0000	RESERVE SHUTDOWN
0045	D1	03/28/2008 05:46	03/28/2008 07:30	1.73	51.98	478.40	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; GT-3A EXHAUST PRESSURE HIGH TRIP. SUSPECT FLASH IN SENSING LINE CAUSED SURGE.
0046	RS	03/28/2008 23:42	03/31/2008 01:11	49.48	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0047	RS	04/01/2008 22:50	04/02/2008 03:57	5.12	0.00	0.00	0000	RESERVE SHUTDOWN
0048	RS	04/02/2008 23:01	04/03/2008 04:57	5.93	0.00	0.00	0000	RESERVE SHUTDOWN
0049	RS	04/03/2008 22:07	04/04/2008 03:57	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0050	RS	04/04/2008 22:09	04/05/2008 04:57	6.80	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN
0051	RS	04/05/2008 23:19	04/07/2008 01:54	26.58	0.00	0.00	0000	RESERVE SHUTDOWN
0052	D1	04/07/2008 01:45	04/07/2008 07:20	5.58	46.76	1,250.67	0775	ECONOMIZER PIPING; 3A HRSG ECONOMIZER PREHEATER VENT LINE LEAK.
0053	RS	04/07/2008 22:43	04/08/2008 03:55	5.20	0.00	0.00	0000	RESERVE SHUTDOWN
0054	RS	04/08/2008 21:18	04/09/2008 03:59	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0055	RS	04/09/2008 22:21	04/10/2008 03:59	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0056	RS	04/10/2008 22:09	04/11/2008 03:59	5.83	0.00	0.00	0000	RESERVE SHUTDOWN
0057	RS	04/11/2008 21:48	04/12/2008 06:59	9.18	0.00	0.00	0000	RESERVE SHUTDOWN
0058	RS	04/12/2008 16:56	04/13/2008 02:55	9.98	0.00	0.00	0000	RESERVE SHUTDOWN
0059	RS	04/14/2008 22:15	04/15/2008 04:00	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0060	RS	04/15/2008 22:00	04/16/2008 03:40	5.67	0.00	0.00	0000	RESERVE SHUTDOWN
0061	RS	04/17/2008 22:54	04/18/2008 04:39	5.75	0.00	0.00	0000	RESERVE SHUTDOWN
0062	RS	04/18/2008 22:25	04/19/2008 05:57	7.53	0.00	0.00	0000	RESERVE SHUTDOWN
0063	RS	04/19/2008 21:13	04/21/2008 06:28	33.25	0.00	0.00	0000	RESERVE SHUTDOWN
0064	RS	04/21/2008 21:34	04/22/2008 04:57	7.38	0.00	0.00	0000	RESERVE SHUTDOWN
0065	D1	04/23/2008 13:25	04/23/2008 16:00	2.58	46.76	578.67	5073	FLAME SCANNERS; 3A GT FLAME SCANNER COOLING WATER LEAK
0066	RS	04/27/2008 22:05	04/28/2008 03:57	5.87	0.00	0.00	0000	RESERVE SHUTDOWN
0067	D1	05/13/2008 06:02	05/13/2008 07:27	1.42	47.81	324.42	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; GT-'A' HAD A HIGH EXHAUST PRESSURE TRIP.
0068	RS	05/23/2008 22:25	05/24/2008 06:55	8.50	0.00	0.00	0000	RESERVE SHUTDOWN
0069	RS	05/24/2008 23:08	05/25/2008 08:54	9.77	0.00	0.00	0000	RESERVE SHUTDOWN
0070	RS	05/25/2008 22:30	05/26/2008 08:58	10.47	0.00	0.00	0000	RESERVE SHUTDOWN
0071	RS	05/26/2008 22:26	05/27/2008 05:55	7.48	0.00	0.00	0000	RESERVE SHUTDOWN
0072	RS	05/27/2008 23:03	05/28/2008 05:59	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0073	RS	05/28/2008 23:20	05/29/2008 06:57	7.62	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0074	RS	05/29/2008 23:20	05/30/2008 06:01	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0075	RS	05/30/2008 23:18	05/31/2008 08:00	8.70	0.00	0.00	0000	RESERVE SHUTDOWN
0076	RS	05/31/2008 22:26	06/01/2008 08:03	9.62	0.00	0.00	0000	RESERVE SHUTDOWN
0077	RS	06/01/2008 22:39	06/02/2008 05:56	7.28	0.00	0.00	0000	RESERVE SHUTDOWN
0078	RS	06/02/2008 22:59	06/03/2008 06:05	7.10	0.00	0.00	0000	RESERVE SHUTDOWN
0079	RS	06/03/2008 22:41	06/04/2008 05:08	6.45	0.00	0.00	0000	RESERVE SHUTDOWN
0080	RS	06/06/2008 23:20	06/07/2008 05:15	5.92	0.00	0.00	0000	RESERVE SHUTDOWN
0081	RS	06/09/2008 23:16	06/10/2008 05:56	6.67	0.00	0.00	0000	RESERVE SHUTDOWN
0082	RS	06/10/2008 23:25	06/11/2008 05:03	5.63	0.00	0.00	0000	RESERVE SHUTDOWN
0083	RS	06/11/2008 22:53	06/12/2008 06:00	7.12	0.00	0.00	0000	RESERVE SHUTDOWN
0084	RS	06/12/2008 23:06	06/13/2008 05:58	6.87	0.00	0.00	0000	RESERVE SHUTDOWN
0085	RS	06/13/2008 23:34	06/14/2008 00:00	0.43	0.00	0.00	0000	RESERVE SHUTDOWN
0086	MO	06/14/2008 00:00	06/15/2008 20:29	44.48	100.00	21,307.52	5022	COMPRESSOR LP BLADES/BUCKETS; PERFORM GE RECOMMENDED R-O BLADE INSPECTIONS, WATER WASH, AND MISC REPAIRS
0089	NC	06/15/2008 08:00	06/27/2008 16:44	296.73	0.00	0.00	3310	CONTRIBUTED TO PRIMARY CAUSE; GAS TURBINE COMPRESSOR WASHING; WATER WASH WAS PERFORMED TO FACILITATE A THOROUGH INSPECTION AND IMPROVE PERFORMANCE.
0087	RS	06/15/2008 20:29	06/16/2008 04:12	7.72	0.00	0.00	0000	CONDENSATE/HOTWELL PUMPS; PUMP #2 WAS REMOVED FOR MECHANICAL SEAL REPLACEMENT. BUSHINGS WERE FOUND TO BE BAD.
0088	U1	06/16/2008 04:12	06/16/2008 13:54	9.70	100.00	4,646.30	3311	RESERVE SHUTDOWN
0090	RS	06/16/2008 23:09	06/17/2008 06:09	7.00	0.00	0.00	0000	CONDENSATE/HOTWELL PUMP MOTOR;
0091	RS	06/17/2008 23:08	06/18/2008 05:57	6.82	0.00	0.00	0000	CONDENSATE PUMP # 1 TRIPPED DUE TO GROUND FAULT. SENT TO MOTOR SHOP
0092	RS	06/18/2008 22:37	06/19/2008 05:56	7.32	0.00	0.00	0000	RESERVE SHUTDOWN
0093	RS	06/19/2008 23:29	06/20/2008 07:06	7.62	0.00	0.00	0000	RESERVE SHUTDOWN
0094	RS	06/21/2008 00:23	06/21/2008 07:33	7.17	0.00	0.00	0000	RESERVE SHUTDOWN
0095	RS	06/21/2008 23:22	06/22/2008 08:00	8.63	0.00	0.00	0000	RESERVE SHUTDOWN
0096	RS	06/22/2008 22:52	06/23/2008 06:06	7.23	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0097	RS	06/23/2008 22:32	06/24/2008 06:37	8.08	0.00	0.00	0000	RESERVE SHUTDOWN
0098	RS	06/24/2008 23:09	06/25/2008 07:34	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0099	RS	06/25/2008 22:35	06/26/2008 04:34	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0100	RS	06/26/2008 23:41	06/27/2008 07:28	7.78	0.00	0.00	0000	RESERVE SHUTDOWN
0101	RS	06/27/2008 23:30	06/28/2008 07:56	8.43	0.00	0.00	0000	RESERVE SHUTDOWN
0102	RS	06/28/2008 22:57	06/29/2008 07:52	8.92	0.00	0.00	0000	RESERVE SHUTDOWN
0103	RS	06/29/2008 22:34	06/30/2008 07:24	8.83	0.00	0.00	0000	RESERVE SHUTDOWN
0104	RS	06/30/2008 21:20	07/01/2008 06:08	8.80	0.00	0.00	0000	RESERVE SHUTDOWN
0105	RS	07/01/2008 22:04	07/02/2008 08:56	10.87	0.00	0.00	0000	RESERVE SHUTDOWN
0106	RS	07/02/2008 22:53	07/03/2008 07:38	8.75	0.00	0.00	0000	RESERVE SHUTDOWN
0107	RS	07/03/2008 23:19	07/04/2008 07:58	8.65	0.00	0.00	0000	RESERVE SHUTDOWN
0108	RS	07/04/2008 22:40	07/05/2008 07:05	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0109	RS	07/05/2008 22:46	07/06/2008 07:56	9.17	0.00	0.00	0000	RESERVE SHUTDOWN
0110	RS	07/06/2008 22:40	07/07/2008 05:59	7.32	0.00	0.00	0000	RESERVE SHUTDOWN
0111	RS	07/07/2008 23:06	07/08/2008 06:28	7.37	0.00	0.00	0000	RESERVE SHUTDOWN
0112	RS	07/08/2008 22:23	07/09/2008 06:28	8.08	0.00	0.00	0000	RESERVE SHUTDOWN
0113	RS	07/09/2008 23:07	07/10/2008 07:15	8.13	0.00	0.00	0000	RESERVE SHUTDOWN
0114	RS	07/10/2008 22:57	07/11/2008 06:53	7.93	0.00	0.00	0000	RESERVE SHUTDOWN
0115	RS	07/11/2008 22:55	07/12/2008 05:51	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0116	RS	07/13/2008 00:13	07/13/2008 06:54	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0117	RS	07/13/2008 22:43	07/14/2008 04:56	6.22	0.00	0.00	0000	RESERVE SHUTDOWN
0118	RS	07/14/2008 22:21	07/15/2008 06:56	8.58	0.00	0.00	0000	RESERVE SHUTDOWN
0119	RS	07/15/2008 23:13	07/16/2008 06:12	6.98	0.00	0.00	0000	RESERVE SHUTDOWN
0120	RS	07/17/2008 22:57	07/18/2008 05:57	7.00	0.00	0.00	0000	RESERVE SHUTDOWN
0121	RS	07/18/2008 23:22	07/19/2008 06:54	7.53	0.00	0.00	0000	RESERVE SHUTDOWN
0122	RS	07/19/2008 23:54	07/20/2008 06:56	7.03	0.00	0.00	0000	RESERVE SHUTDOWN
0123	RS	07/20/2008 23:17	07/21/2008 06:00	6.72	0.00	0.00	0000	RESERVE SHUTDOWN
0124	RS	07/23/2008 22:29	07/24/2008 06:22	7.88	0.00	0.00	0000	RESERVE SHUTDOWN
0125	RS	07/24/2008 22:34	07/25/2008 06:01	7.45	0.00	0.00	0000	RESERVE SHUTDOWN
0126	RS	07/25/2008 22:35	07/26/2008 06:06	7.52	0.00	0.00	0000	RESERVE SHUTDOWN
0127	RS	07/26/2008 23:40	07/27/2008 06:57	7.28	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)		Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0128	RS	07/27/2008 23:10	07/28/2008 05:59	6.82	0.00		0.00	0000	RESERVE SHUTDOWN
0129	RS	07/28/2008 23:52	07/29/2008 05:54	6.03	0.00		0.00	0000	RESERVE SHUTDOWN
0130	RS	07/29/2008 23:29	07/30/2008 05:57	6.47	0.00		0.00	0000	RESERVE SHUTDOWN
0131	RS	07/30/2008 23:02	07/31/2008 05:59	6.95	0.00		0.00	0000	RESERVE SHUTDOWN
0132	RS	08/01/2008 00:07	08/01/2008 05:57	5.83	0.00		0.00	0000	RESERVE SHUTDOWN
0133	RS	08/01/2008 23:22	08/02/2008 06:56	7.57	0.00		0.00	0000	RESERVE SHUTDOWN
0134	RS	08/02/2008 22:13	08/03/2008 06:58	8.75	0.00		0.00	0000	RESERVE SHUTDOWN
0135	RS	08/03/2008 22:16	08/04/2008 05:07	6.85	0.00		0.00	0000	RESERVE SHUTDOWN
0136	RS	08/04/2008 23:55	08/05/2008 06:04	6.15	0.00		0.00	0000	RESERVE SHUTDOWN
0137	RS	08/05/2008 23:38	08/06/2008 06:00	6.37	0.00		0.00	0000	RESERVE SHUTDOWN
0138	RS	08/06/2008 23:41	08/07/2008 05:57	6.27	0.00		0.00	0000	RESERVE SHUTDOWN
0139	RS	08/07/2008 22:30	08/08/2008 06:01	7.52	0.00		0.00	0000	RESERVE SHUTDOWN
0140	RS	08/10/2008 22:21	08/11/2008 05:59	7.63	0.00		0.00	0000	RESERVE SHUTDOWN
0141	RS	08/11/2008 21:33	08/12/2008 06:59	9.43	0.00		0.00	0000	RESERVE SHUTDOWN
0142	RS	08/12/2008 22:07	08/13/2008 05:19	7.20	0.00		0.00	0000	RESERVE SHUTDOWN
0143	RS	08/13/2008 22:27	08/14/2008 05:59	7.53	0.00		0.00	0000	RESERVE SHUTDOWN
0144	RS	08/14/2008 22:37	08/15/2008 06:59	8.37	0.00		0.00	0000	RESERVE SHUTDOWN
0145	RS	08/15/2008 23:02	08/16/2008 09:42	10.67	0.00		0.00	0000	RESERVE SHUTDOWN
0146	RS	08/16/2008 22:35	08/17/2008 07:56	9.35	0.00		0.00	0000	RESERVE SHUTDOWN
0147	RS	08/17/2008 21:38	08/18/2008 07:55	10.28	0.00		0.00	0000	RESERVE SHUTDOWN
0148	RS	08/18/2008 22:04	08/19/2008 07:00	8.93	0.00		0.00	0000	RESERVE SHUTDOWN
0149	RS	08/19/2008 22:11	08/20/2008 05:07	6.93	0.00		0.00	0000	RESERVE SHUTDOWN
0150	RS	08/20/2008 23:50	08/21/2008 08:03	8.22	0.00		0.00	0000	RESERVE SHUTDOWN
0151	RS	08/21/2008 22:52	08/22/2008 05:55	7.05	0.00		0.00	0000	RESERVE SHUTDOWN
0152	RS	08/22/2008 22:00	08/23/2008 09:00	11.00	0.00		0.00	0000	RESERVE SHUTDOWN
0153	RS	08/23/2008 14:55	08/24/2008 07:59	17.07	0.00		0.00	0000	RESERVE SHUTDOWN
0154	RS	08/24/2008 22:18	08/25/2008 05:04	6.77	0.00		0.00	0000	RESERVE SHUTDOWN
0155	RS	08/25/2008 23:08	08/26/2008 05:04	5.93	0.00		0.00	0000	RESERVE SHUTDOWN
0156	RS	08/26/2008 23:12	08/27/2008 04:55	5.72	0.00		0.00	0000	RESERVE SHUTDOWN
0157	RS	08/27/2008 22:16	08/28/2008 05:56	7.67	0.00		0.00	0000	RESERVE SHUTDOWN
0158	RS	08/28/2008 22:41	08/29/2008 07:59	9.30	0.00		0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0159	RS	08/29/2008 23:02	08/30/2008 06:58	7.93	0.00	0.00	0000	RESERVE SHUTDOWN
0160	RS	08/30/2008 21:45	08/31/2008 06:58	9.22	0.00	0.00	0000	RESERVE SHUTDOWN
0161	RS	08/31/2008 22:37	09/01/2008 06:59	8.37	0.00	0.00	0000	RESERVE SHUTDOWN
0162	RS	09/01/2008 22:49	09/02/2008 06:58	8.15	0.00	0.00	0000	RESERVE SHUTDOWN
0163	RS	09/02/2008 21:53	09/03/2008 05:00	7.12	0.00	0.00	0000	RESERVE SHUTDOWN
0164	RS	09/03/2008 22:49	09/04/2008 08:04	9.25	0.00	0.00	0000	RESERVE SHUTDOWN
0165	RS	09/04/2008 23:05	09/05/2008 07:57	8.87	0.00	0.00	0000	RESERVE SHUTDOWN
0166	RS	09/05/2008 21:03	09/06/2008 09:57	12.90	0.00	0.00	0000	RESERVE SHUTDOWN
0167	RS	09/06/2008 22:34	09/07/2008 09:55	11.35	0.00	0.00	0000	RESERVE SHUTDOWN
0168	RS	09/07/2008 22:10	09/08/2008 06:59	8.82	0.00	0.00	0000	RESERVE SHUTDOWN
0169	RS	09/08/2008 21:47	09/09/2008 07:57	10.17	0.00	0.00	0000	RESERVE SHUTDOWN
0170	RS	09/09/2008 21:30	09/10/2008 06:56	9.43	0.00	0.00	0000	RESERVE SHUTDOWN
0171	RS	09/10/2008 22:37	09/11/2008 07:14	8.62	0.00	0.00	0000	RESERVE SHUTDOWN
0172	RS	09/11/2008 22:07	09/12/2008 09:38	11.52	0.00	0.00	0000	RESERVE SHUTDOWN
0173	RS	09/12/2008 21:39	09/13/2008 10:05	12.43	0.00	0.00	0000	RESERVE SHUTDOWN
0174	RS	09/13/2008 18:54	09/14/2008 09:03	14.15	0.00	0.00	0000	RESERVE SHUTDOWN
0175	RS	09/14/2008 21:32	09/16/2008 05:47	32.25	0.00	0.00	0000	RESERVE SHUTDOWN
0176	RS	09/16/2008 17:09	09/18/2008 09:42	40.55	0.00	0.00	0000	RESERVE SHUTDOWN
0177	RS	09/18/2008 21:34	09/19/2008 05:59	8.42	0.00	0.00	0000	RESERVE SHUTDOWN
0178	D1	09/19/2008 06:17	09/19/2008 08:20	2.05	47.81	469.45	5050	IGNITION SYSTEM; IGNITER STUCK IN RETRACTED POSITION.
0179	RS	09/21/2008 06:40	09/22/2008 04:10	21.50	0.00	0.00	0000	RESERVE SHUTDOWN
0180	D1	09/22/2008 11:58	09/22/2008 18:03	6.08	47.81	1,393.08	5116	POWER AUGMENTATION SYSTEM EQUIPMENT; GT-B POWER AUG STEAM INJECTION LINE FLEX HOSE RUPTURED.
0181	RS	09/22/2008 22:04	09/23/2008 05:55	7.85	0.00	0.00	0000	RESERVE SHUTDOWN
0182	RS	09/23/2008 23:06	09/24/2008 07:57	8.85	0.00	0.00	0000	RESERVE SHUTDOWN
0183	RS	09/24/2008 22:25	09/25/2008 05:58	7.55	0.00	0.00	0000	RESERVE SHUTDOWN
0184	RS	09/25/2008 21:49	09/26/2008 05:57	8.13	0.00	0.00	0000	RESERVE SHUTDOWN
0185	D1	09/28/2008 10:10	09/28/2008 11:11	1.02	47.81	232.82	5050	IGNITION SYSTEM; GT-A IGNITERS FAILED TO IGNITE
0186	RS	10/03/2008 23:47	10/04/2008 07:58	8.18	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0187	RS	10/04/2008 21:04	10/05/2008 09:59	12.92	0.00	0.00	0000	RESERVE SHUTDOWN
0188	D1	10/06/2008 05:30	10/06/2008 09:10	3.67	46.76	821.33	5050	IGNITION SYSTEM; GT- A IGNITER EXCITER FAILURE.
0189	RS	10/10/2008 22:38	10/11/2008 05:55	7.28	0.00	0.00	0000	RESERVE SHUTDOWN
0190	D4	11/05/2008 14:00	11/06/2008 03:30	13.50	51.04	3,658.50	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASHED GT-B COMPRESSOR
0191	D4	11/07/2008 00:00	11/07/2008 20:00	20.00	51.04	5,420.00	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASHED GT-A COMPRESSOR
0192	RS	11/07/2008 23:59	11/08/2008 00:00	0.02	0.00	0.00	0000	RESERVE SHUTDOWN
0193	PO	11/08/2008 00:00	11/22/2008 00:00	336.00	100.00	178,416.00	3660	4000-7000 VOLT TRANSFORMERS; LOAD COMMUTATED INVERTER (LCI) TRANSFORMER SENT TO SHOP FOR CORROSION RELATED REPAIRS.
							5272	MAJOR COMPONENT WORKED DURING EVENT; BOROSCOPE INSPECTION; ENHANCED BOROSCOPE INSPECTION, R0 DENTAL MOLDS, & MISC. REPAIRS.
							1812	MAJOR COMPONENT WORKED DURING EVENT; BOILER INSPECTIONS - SCHEDULED OR ROUTINE; MISC. HRSG INSPECTIONS AND REPAIRS DURING PLANNED OUTAGE.
							4260	MAJOR COMPONENT WORKED DURING EVENT; MAIN STOP VALVES; INSPECT MAIN STOP VALVE SEATS FOR CRACKS.
0194	SE	11/22/2008 00:00	12/02/2008 02:08	242.13	100.00	128,572.80	4260	MAIN STOP VALVES; CRACKS DETECTED IN BOTH STOP VALVE SEATS. SEATS SENT OUT FOR REPAIR.
0195	D1	12/02/2008 02:32	12/02/2008 02:45	0.22	51.04	58.72	5017	LOW PRESSURE COMPRESSOR BLEED VALVES; COMPRESSOR BLEED VALVE FAILED TO CLOSE.
0196	D1	12/02/2008 03:15	12/02/2008 03:17	0.03	51.04	9.03	9900	OPERATOR ERROR; 3B GEN WAS REMOVED FROM SERVICE TO INSTALL MOTOR OPERATED DISCONNECT LOCKING PIN .
0197	U1	12/02/2008 06:01	12/02/2008 12:00	5.98	100.00	3,177.15	4200	OUTER CASING - LP TURBINE; LP DIAPHRAGM RUPTURED (EAST).

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0198	D1	12/07/2008 22:05	12/07/2008 23:30	1.42	51.04	383.92	5048	GAS FUEL SYSTEM; GAS LEAK - PM3 GAS MANIFOLD DIFFERENTIAL PRESSURE SENSING LINE.
0199	RS	12/08/2008 22:00	12/09/2008 04:03	6.05	0.00	0.00	0000	RESERVE SHUTDOWN
0200	D1	12/09/2008 04:37	12/09/2008 04:47	0.17	51.04	45.17	5017	LOW PRESSURE COMPRESSOR BLEED VALVES; GT 'A' COMPRESSOR BLEED VALVE FAILED TO CLOSE. (NORTH BOTTOM)
0201	D1	12/09/2008 04:48	12/09/2008 04:50	0.03	51.04	9.03	5017	LOW PRESSURE COMPRESSOR BLEED VALVES; COMPRESSOR BLEED VALVE FAILED TO CLOSE. AIR LINE BLEW OFF. NORTH BOTTOM
0202	D1	12/09/2008 04:52	12/09/2008 06:15	1.38	51.04	374.88	6141	HP DESUPERHEATER/ATTEMPERATORVALVES; HP BYPASS SPRAY BLOCK VALVE FAILED TO OPEN.
0203	RS	12/09/2008 14:37	12/10/2008 06:52	16.25	0.00	0.00	0000	RESERVE SHUTDOWN
0204	RS	12/10/2008 20:32	12/11/2008 05:53	9.35	0.00	0.00	0000	RESERVE SHUTDOWN
0205	RS	12/14/2008 21:10	12/17/2008 05:03	55.88	0.00	0.00	0000	RESERVE SHUTDOWN
0206	RS	12/17/2008 19:41	12/19/2008 05:16	33.58	0.00	0.00	0000	RESERVE SHUTDOWN
0207	RS	12/19/2008 21:36	12/21/2008 14:12	40.60	0.00	0.00	0000	RESERVE SHUTDOWN
0208	RS	12/23/2008 20:04	12/28/2008 11:58	111.90	0.00	0.00	0000	RESERVE SHUTDOWN
0209	RS	12/30/2008 12:57	12/30/2008 14:50	1.88	0.00	0.00	0000	RESERVE SHUTDOWN
0210	RS	12/31/2008 00:20	12/31/2008 15:23	15.05	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2008 00:00	01/02/2008 17:12	41.20	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0002	D1	01/02/2008 17:12	01/02/2008 18:27	1.25	50.00	25.00	5443	FUEL FILTERS; FUEL FILTER PLUGGING (RESTRICTED FLOW)
0003	U1	01/02/2008 18:27	01/02/2008 19:54	1.45	100.00	58.00	4609	OTHER EXCITER PROBLEMS; GENERATOR FIELD FLASHING RELAY WILL NOT OPERATE
0004	D1	01/02/2008 19:54	01/02/2008 22:53	2.98	50.00	59.67	5443	FUEL FILTERS; FUEL FILTERS PLUGGING (RESTRICTED FLOW)
0005	RS	01/02/2008 22:53	01/03/2008 06:41	7.80	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0006	D1	01/03/2008 06:41	01/03/2008 07:51	1.17	50.00	23.33	5443	FUEL FILTERS; FUEL FILTER PLUGGING (RESTRICTED FLOW)
0007	U1	01/03/2008 07:51	01/03/2008 09:54	2.05	100.00	82.00	5443	FUEL FILTERS; INSPECT AND CLEAN FUEL FORWARDING PUMPS INLET STRAINER
0008	D1	01/03/2008 09:54	01/03/2008 10:26	0.53	50.00	10.67	5443	FUEL FILTERS; PLUGGED FUEL FILTERS (RESTRICTED FLOW)
0009	U1	01/03/2008 10:26	01/03/2008 15:25	4.98	100.00	199.33	5443	FUEL FILTERS; CHANGE FUEL FILTER ELEMENTS
0010	RS	01/03/2008 15:43	01/18/2008 07:35	351.87	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0011	RS	01/18/2008 08:09	01/25/2008 07:46	167.62	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0012	RS	01/25/2008 08:18	01/29/2008 07:45	95.45	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0013	RS	01/29/2008 08:21	02/12/2008 07:30	335.15	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0014	MO	02/12/2008 07:30	02/12/2008 16:23	8.88	100.00	355.33	5445	LIQUID FUEL OIL TRANSFER/FORWARDING PUMP; INSTALL REBUILT AC FUEL FORWARDING PUMP.
0015	RS	02/12/2008 16:23	02/27/2008 08:58	352.58	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS.
0016	RS	02/27/2008 09:32	03/11/2008 13:31	314.98	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0017	RS	03/11/2008 14:31	03/24/2008 07:00	304.48	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS
0018	MO	03/24/2008 07:00	03/26/2008 10:26	51.43	100.00	2,057.33	5441	FUEL PIPING AND VALVES; REPLACING THE FUEL MODULATING VALVE ON B ENGINE
0020	MO	03/26/2008 10:36	03/26/2008 15:18	4.70	100.00	188.00	5441	FUEL PIPING AND VALVES; REPLACING THE FUEL MODULATING VALVE ON B ENGINE.
0019	RS	03/26/2008 15:18	05/30/2008 08:08	1552.83	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD ORDERS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0021	MO	05/30/2008 08:08	05/30/2008 12:51	4.72	100.00	150.93	4810	GENERATOR OUTPUT BREAKER; SUBSTATION DEPARTMENT PERFORMING ROUTINE MAINTENANCE ON GENERATOR HIGH SIDE BREAKER.
0022	RS	05/30/2008 12:51	06/10/2008 06:00	257.15	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN UE TO LOAD ORDERS
0023	MO	06/10/2008 06:00	06/11/2008 13:33	31.55	100.00	1,009.60	5441	FUEL PIPING AND VALVES; FUEL LEAKING ON MODULATING VALVE (B ENGINE)
0024	MO	06/11/2008 13:35	06/11/2008 18:34	4.98	100.00	159.47	5441	FUEL PIPING AND VALVES; REPAIR FUEL PIPING LEAKS A& B ENGINES
0025	MO	06/11/2008 18:41	06/13/2008 14:15	43.57	100.00	1,394.13	5441	FUEL PIPING AND VALVES; REPAIR FUEL PIPING LEAKS A& B ENGINES
0026	RS	06/13/2008 14:15	06/18/2008 13:06	118.85	0.00	0.00	0000	RESERVE SHUTDOWN;
0027	RS	06/18/2008 13:42	07/05/2008 07:00	401.30	0.00	0.00	0000	RESERVE SHUTDOWN;
0028	MO	07/05/2008 07:00	07/05/2008 11:05	4.08	100.00	130.67	5445	LIQUID FUEL OIL TRANSFER/FORWARDING PUMP; FUEL SUPPLY ISOLATED TO CT TO INSTALL REBUILT FUEL FORWARDING PUMP.
0029	RS	07/05/2008 11:05	07/30/2008 13:00	601.92	0.00	0.00	0000	RESERVE SHUTDOWN;
0030	RS	07/30/2008 13:36	08/06/2008 10:17	164.68	0.00	0.00	0000	RESERVE SHUTDOWN;
0031	RS	08/06/2008 10:32	10/23/2008 09:12	1870.67	0.00	0.00	0000	RESERVE SHUTDOWN;
0032	RS	10/23/2008 09:45	10/23/2008 15:44	5.98	0.00	0.00	0000	RESERVE SHUTDOWN;
0033	RS	10/23/2008 16:03	10/27/2008 07:00	86.95	0.00	0.00	0000	RESERVE SHUTDOWN;
0034	MO	10/27/2008 07:00	10/27/2008 14:32	7.53	100.00	241.07	5530	STARTING SYSTEM (INCLUDING MOTOR); YEARLY ENGINE STARTER PMS.
0035	RS	10/27/2008 14:32	11/19/2008 05:05	543.55	0.00	0.00	0000	RESERVE SHUTDOWN;
0036	D1	10/31/2008 12:00	11/01/2008 11:33	23.55	55.46	469.20	5444	LIQUID FUEL OIL PUMP; B ENGINE FUEL PUMP FAILURE
0038	U1	11/19/2008 05:05	11/19/2008 06:21	1.27	100.00	50.67	4609	OTHER EXCITER PROBLEMS; BLOWN FUSE IN FIELD FLASHING CIRCUITRY.
0039	RS	11/19/2008 06:21	01/01/2009 00:00	1025.65	0.00	0.00	0000	RESERVE SHUTDOWN;

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/01/2008 01:33	01/01/2008 01:49	0.27	12.00	16.00	9270	WET COAL (OMC); 1E FEEDER TRIP.
0002	D1	01/01/2008 11:30	01/01/2008 12:36	1.10	18.00	99.00	9270	WET COAL (OMC); 1A FEEDER PLUGGED .
0003	D1	01/01/2008 19:42	01/01/2008 20:13	0.52	12.00	31.00	9270	WET COAL (OMC); 1A FEEDER PLUGGED.
0004	D1	01/04/2008 12:13	01/04/2008 13:00	0.78	44.00	172.33	9270	WET COAL (OMC); 1A FEEDER TRIP.
0005	D1	01/30/2008 10:45	01/30/2008 12:22	1.62	60.60	489.85	1488	AIR HEATER (REGENERATIVE); 1B AIR HEATER STOP TURNING. REPLACED MOTOR COUPLING.
0006	D1	01/30/2008 12:22	01/30/2008 22:30	10.13	72.00	3,648.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 1B ID FAN MOTOR SHOOTING SPARKS FROM INBOARD BEARING. REPLACED MOTOR
0007	D1	01/30/2008 22:30	02/01/2008 13:25	38.92	50.00	9,729.17	1457	INDUCED DRAFT FAN LUBRICATION SYSTEMS; #1 LUBE OIL PUMP ON 1-B ID FAN NOT PUMPING. FOUND STUCK CHECK VALVE.
0008	D2	02/14/2008 22:04	02/14/2008 23:32	1.47	24.00	176.00	0310	PULVERIZER MILLS; OPERATOR REDUCED LOAD TO WASH OFF MILLS.
0010	MO	02/20/2008 22:37	02/23/2008 13:15	62.63	100.00	31,316.67	3121	EXPANSION JOINT; MAINT. REPAIR LEAKING EXPANSION JOINTS CAUSING AIR INLEAKAGE PROBLEMS ON UNIT 1.
0009	RS	02/23/2008 13:15	02/29/2008 10:00	140.75	0.00	0.00	0000	RESERVE SHUTDOWN;
0011	U1	02/29/2008 10:00	03/03/2008 09:20	71.33	100.00	35,666.67	3344	DEAERATOR (INCLUDING LEVEL CONTROL); MAINT REPAIR CRACK ALONG BOTH SIDES OF THE STIFFNER ON UNIT 1 DEAERATOR.
0012	D1	03/03/2008 15:45	03/03/2008 17:00	1.25	7.00	43.75	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; ID FANS TOPPED OUT FURNACE PRESSURE TAPS NEEDED TO BE RODDED OUT
0013	D2	03/18/2008 07:30	03/18/2008 09:30	2.00	15.00	150.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE CHAIN LINK FROM 1-C MILL
0014	D1	03/25/2008 09:01	03/25/2008 13:50	4.82	14.00	337.17	0250	PULVERIZER FEEDERS; REPLACE 1-A TORN FEEDER BELT.
0015	D1	03/26/2008 01:05	03/26/2008 03:20	2.25	13.00	146.25	0270	PRIMARY AIR DUCTS AND DAMPERS; E MILL HOT AIR DAMPER FAILED TO OPEN.
0016	D1	04/09/2008 12:30	04/09/2008 18:00	5.50	49.00	1,347.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 1A ID & FD FANS TRIPPED. (OVERCURRENT TRIP ON A-ID FAN DUE TO LOOSE WIRE)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	D1	04/25/2008 01:15	04/25/2008 03:02	1.78	7.20	64.20	0270	PRIMARY AIR DUCTS AND DAMPERS; 1E FEEDER TRIPPED (HOT AIR GATE STUCK)
0018	D1	04/29/2008 05:09	04/29/2008 06:50	1.68	14.80	124.57	0250	PULVERIZER FEEDERS; OPERATOR TRIP 1E FEEDER DUE TO NO AMPS.
0019	D1	05/25/2008 08:30	05/25/2008 11:00	2.50	2.00	25.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; EXCEEDED I.D. FAN CAPACITY DECREASED PRIMARY AIR DUCT PSI
0020	D4	05/27/2008 06:50	05/27/2008 10:35	3.75	6.00	112.50	0310	PULVERIZER MILLS; MAINT. SET 1B MILL ROLLER RING CLEARANCE.
0021	D4	05/28/2008 09:30	05/28/2008 11:15	1.75	8.00	70.00	0310	PULVERIZER MILLS; MAINT. SET ROLLER RING CLERANCE ON 1A MILL.
0022	D4	06/03/2008 22:10	06/04/2008 03:02	4.87	8.80	214.13	0250	PULVERIZER FEEDERS; MAINT CALIBRATE 1-C FEEDER
0023	D4	06/05/2008 01:00	06/05/2008 03:10	2.17	13.00	140.83	0310	PULVERIZER MILLS; MAINT. SET ROLLER RING CLEARANCES ON 1 D AND E MILLS.
0024	D1	06/16/2008 07:34	06/16/2008 07:47	0.22	17.20	18.63	0250	PULVERIZER FEEDERS; 1D FEEDER TRIP
0025	D2	06/28/2008 09:00	06/28/2008 12:21	3.35	44.00	737.00	0890	BOTTOM ASH SYSTEMS (WET OR DRY); CUT LOAD TO REMOVE REFRACTORY FROM BOTTOMASH HOPPER 'B'.
0026	D1	06/29/2008 14:33	06/29/2008 16:08	1.58	99.20	785.33	9020	LIGHTNING; BOILER TRIP WHEN WE LOST MCC POWER TO ID FANS LOOP OIL PUMP CAUSED ID FANS TO TRIP.
0027	D1	06/29/2008 20:00	06/29/2008 22:50	2.83	14.40	204.00	0253	PULVERIZER FEEDER MOTOR; 1D FEEDER MOTOR FAIL. REPLACED INKIND.
0028	D1	07/04/2008 09:30	07/04/2008 18:00	8.50	12.60	535.50	0250	PULVERIZER FEEDERS; MAINT REPAIR 1C FEEDER CLEAN-OUT CHAIN MOTOR.
0029	D1	07/09/2008 01:43	07/09/2008 02:58	1.25	99.60	622.50	1415	FORCED DRAFT FAN CONTROLS; 1A FD FAN CONTROL SWING CAUSED BOILER TRIP.
0030	U1	07/09/2008 02:58	07/09/2008 06:55	3.95	100.00	1,975.00	3661	4000-7000 VOLT CIRCUIT BREAKERS; UNIT TRIP DUE TO 1-A 4160 BREAKER FAILURE & PREVENTED BOILER START AFTER BOILER TRIP.
0031	D1	08/10/2008 09:45	08/10/2008 12:07	2.37	28.60	338.43	0340	OTHER PULVERIZER PROBLEMS; 1-E FEEDER TRIP , FEEDER PIPE PLUGGED.
0032	D1	08/14/2008 05:00	08/14/2008 12:45	7.75	6.60	255.75	0310	PULVERIZER MILLS; 1E PULV REPAIRED JOURNAL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	U1	08/18/2008 19:10	09/28/2008 18:23	983.22	100.00	491,608.33	4030	ROTOR SHAFT - HP TURBINE; UNIT TAKEN OFF FOR VIBRATION, CRACK FOUND IN HP/IP ROTOR IN FRONT OF 1ST STAGE.
0034	U1	09/29/2008 02:08	09/29/2008 03:43	1.58	100.00	791.67	4460	TURBINE OVERSPEED TRIP TEST; MAINT COMPLETE OVERSPEED TRIP TEST.
0035	D1	09/30/2008 08:25	09/30/2008 09:11	0.77	94.00	360.33	3632	400-700 VOLT CONDUCTORS AND BUSES; UNIT 1 480 VOLT BUSS 1A TRIP CAUSED BOILER TRIP.
0036	U1	09/30/2008 09:11	09/30/2008 12:51	3.67	100.00	1,833.33	3632	400-700 VOLT CONDUCTORS AND BUSES; UNIT 1 OFFLINE FOLLOWING 480 VOLT BUSS 1A TRIP.
0037	D1	10/07/2008 17:00	10/07/2008 17:15	0.25	20.00	25.00	0250	PULVERIZER FEEDERS; 1D FEEDER TRIP.
0038	D2	10/20/2008 07:30	10/20/2008 08:47	1.28	30.40	195.07	0280	PULVERIZER FIRES; 1E MILL EXPLOSION DOOR REPLACED.
0039	U1	10/25/2008 16:01	10/25/2008 20:03	4.03	100.00	2,016.67	1750	BURNER MANAGEMENT SYSTEM; FLAME SCANNERS FAIL AND CAUSED BOILER TRIP AND UNIT TRIP.
0040	D1	11/13/2008 14:00	11/14/2008 01:50	11.83	7.00	414.17	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 1C MILL SCRAPER SECTION CAME APART.
0041	D1	12/04/2008 06:45	12/04/2008 07:45	1.00	10.80	54.00	0280	PULVERIZER FIRES; FIRE IN 1D MILL SCRAPER SECTION LIMIT LOAD.
0042	D1	12/08/2008 17:00	12/09/2008 05:20	12.33	12.60	777.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 1-C MILL OFF FOR SCRAPER SECTION INSPECTION.
0043	D1	12/19/2008 08:50	12/19/2008 09:45	0.92	15.00	68.75	0340	OTHER PULVERIZER PROBLEMS; 1E MILL EXPLOSION DOOR LEAK REPAIR.

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Daniel 2								
0001	D4	01/01/2008 00:00	01/01/2008 02:08	2.13	64.50	697.60	1476	INDUCED DRAFT FAN SPEED CHANGER; OPERATOR REDUCED LOAD WHILE MAINT ADDED OIL TO A-B ID FANS SPEED CHANGER.
0002	D1	01/01/2008 10:40	01/01/2008 12:30	1.83	19.13	177.83	0250	PULVERIZER FEEDERS; 2C FEEDER BELT REPLACEMENT.
0003	D1	01/08/2008 08:25	01/08/2008 16:00	7.58	12.03	462.58	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2B MILL COAL LEAK REPAIR.
0004	D1	01/08/2008 22:30	01/09/2008 05:54	7.40	12.03	451.40	0310	PULVERIZER MILLS; 2B MILL PYRITTING HEAVY AND LIMIT LOAD.
0005	D4	01/16/2008 00:57	01/16/2008 02:21	1.40	72.39	513.80	1476	INDUCED DRAFT FAN SPEED CHANGER; OPERATOR REDUCED LOAD TO ADD OIL TO 2A-B ID FAN SPEED CHANGERS.
0006	MO	01/17/2008 18:15	01/18/2008 23:01	28.77	100.00	14,584.70	1140	FIRST SUPERHEATER SLAGGING & FOULING; OUTAGE TO REMOVE LARGE CLINKER FROM NOSE ARCH AREA OF BOILER.
0007	U1	01/18/2008 23:42	01/28/2008 15:30	231.80	100.00	117,522.60	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); OVERSPEED TRIP DUE TO RUB AND WEAR OF TAIL PIECE ON EXTENSION SHAFT. SENT TO SHOP.
							4604	MAJOR COMPONENT WORKED DURING EVENT; EXCITER DRIVE - SHAFT; REPLACED SHAFT AND DIODES PER WESTINGHOUSE RECOMMENDATION.
							4300	CONTRIBUTED TO PRIMARY CAUSE; TURBINE SUPERVISORY SYSTEM; STUB SHAFT CAME LOOSE AND HIT OVERSPEED TRIP.
0008	U1	01/28/2008 21:02	01/28/2008 23:49	2.78	100.00	1,411.15	4460	TURBINE OVERSPEED TRIP TEST; MAINTENANCE SET NEW OVERSPEED TRIP SETTINGS
0009	D1	01/29/2008 04:40	01/29/2008 06:02	1.37	16.17	112.07	0250	PULVERIZER FEEDERS; 2D FEEDER WILL START BUT WILL NOT RUN AND LIMIT LOAD.
0010	D1	01/29/2008 18:10	01/30/2008 02:43	8.55	4.34	188.10	1811	BOILER INSPECTIONS - PROBLEM IDENTIFICATION/INVESTIGATION; OPERATOR REDUCED LOAD TO LOOK FOR TUBE LEAK FOLLOWING ACUSTIC LEAK DETECTION ALARM.

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0011	D1	01/30/2008 01:30	01/30/2008 01:54	0.40	11.83	15.20	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP AND LIMIT LOAD.
0012	D1	01/31/2008 09:00	01/31/2008 10:37	1.62	15.58	127.72	0346	PULVERIZER PYRITE REMOVAL SYSTEM; CUT LOAD TO REMOVE METAL FROM 2A PYRITE.
0013	D1	02/02/2008 10:28	02/02/2008 11:57	1.48	25.05	188.38	0310	PULVERIZER MILLS; OPERATOR CUT LOAD TO INSPECT 2B MILL.
0014	D1	02/03/2008 08:06	02/03/2008 15:08	7.03	47.14	1,680.97	1476	INDUCED DRAFT FAN SPEED CHANGER; OPERATOR REDUCED LOAD TO ADD OIL TO 2A ID FAN SPEED CHANGERS.
0015	D1	02/04/2008 13:35	02/04/2008 13:56	0.35	43.59	77.35	0250	PULVERIZER FEEDERS; 2C FEEDER TRIP AND LIMIT LOAD.
0016	D1	02/06/2008 20:10	02/06/2008 20:33	0.38	4.93	9.58	0250	PULVERIZER FEEDERS; 2 C FEEDER TRIP.
0017	D2	02/07/2008 06:55	02/07/2008 10:40	3.75	5.33	101.25	0320	FOREIGN OBJECT IN PULVERIZER MILL; MAINT REMOVE METAL FROM 2E MILL.
0018	D2	02/10/2008 22:26	02/10/2008 23:09	0.72	19.92	72.38	0344	PULVERIZER INSPECTION; MAINT INSPECT 2E MILL MAKING NOISE.
0019	D4	02/12/2008 23:35	02/13/2008 02:30	2.92	64.50	953.75	1476	INDUCED DRAFT FAN SPEED CHANGER; MAINT ADD OIL TO ID FAN SPEED CHANGER
0020	D1	02/26/2008 12:32	02/26/2008 13:00	0.47	2.37	5.60	0250	PULVERIZER FEEDERS; 2E FEEDER PLUGGED AND LIMIT LOAD.
0021	D4	02/27/2008 00:56	02/27/2008 04:48	3.87	44.77	877.73	1476	INDUCED DRAFT FAN SPEED CHANGER; CUT LOAD TO ADD OIL TO 2A ID FAN SPEED CHANGER.
0022	PO	03/03/2008 13:40	03/13/2008 02:35	227.92	100.00	115,553.75	1811	BOILER INSPECTIONS - PROBLEM IDENTIFICATION/INVESTIGATION; BOILER INSPECTION AND REPAIR AS NECESSARY.
0023	D1	03/13/2008 09:02	03/13/2008 10:26	1.40	99.61	707.00	9910	CONTRIBUTED TO PRIMARY CAUSE; BOILER RECIRCULATION PUMPS; REMOVE 2C BWCP AND REPLACE WITH SPARE.
0024	D2	03/14/2008 08:35	03/14/2008 10:01	1.43	5.33	38.70	0330	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN TRIP RSS BREAKER WHILE CHECKING SPARE RSS BREAKER CAUSED BOILER TRIP.
0025	D1	03/17/2008 23:54	03/18/2008 00:05	0.18	6.71	6.23	0250	PULVERIZER COAL LEAK (PULVERIZER ONLY); 2E MILL OFF FOR COAL LEAK REPAIR.
								PULVERIZER FEEDERS; 2-B FEEDER RUNBACK AND LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	D4	03/18/2008 06:00	03/18/2008 09:26	3.43	5.92	103.00	0250	PULVERIZER FEEDERS; 2-B FEEDER OFF FOR CALIBRATION.
0027	D1	03/19/2008 07:04	03/19/2008 09:04	2.00	12.82	130.00	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED.
0028	MO	03/20/2008 12:09	03/21/2008 05:29	17.33	100.00	8,788.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; PLACE BALANCE SHOT ON # 8 BEARING COUPLING.
0029	D4	03/28/2008 05:00	03/28/2008 11:29	6.48	8.28	272.30	0310	PULVERIZER MILLS; MAINT. REPLACE SPRING IN 2B MILL.
0030	D1	04/04/2008 11:56	04/04/2008 12:02	0.10	7.10	3.60	0250	PULVERIZER FEEDERS; 2E FEEDER RUNBACK
0031	D4	04/04/2008 19:20	04/05/2008 13:45	18.42	5.33	497.25	0250	PULVERIZER FEEDERS; MAINT. CALIBRATE 2E FEEDER.
0032	D4	04/11/2008 23:00	04/12/2008 04:17	5.28	8.88	237.75	3431	OTHER FEEDWATER VALVES; MAINT CHECK #6A & #7A HP HEATER ISO. VALVES IN PREPERATION OF WORK ON #7A HEATER LATER
0033	D2	04/20/2008 15:11	04/20/2008 20:07	4.93	8.09	202.27	0335	PULVERIZER LUBE OIL SYSTEM; MAINT INSPECT OIL FLOW TO WORM GEAR ON 2B MILL DUE TO LOSS OF OIL.
0034	D1	04/23/2008 07:05	04/23/2008 14:22	7.28	12.82	473.42	0250	PULVERIZER FEEDERS; 2C FEEDER TRIPPED
0035	MO	04/24/2008 00:33	04/28/2008 04:59	100.43	100.00	50,919.70	3440	HIGH PRESSURE HEATER TUBE LEAKS; 7A HIGH PSI HEATER REPAIR.
							4560	CONTRIBUTED TO PRIMARY CAUSE; GENERATOR VIBRATION (NOT INCLUDING VIBRATION DUE TO FAILED BEARING AND OTHER COMPONENTS); HIGH VIBRATION ON GENERATOR REPAIR. (BALANCE SHOTS ADDED.)
0036	D1	04/29/2008 04:25	04/29/2008 04:39	0.23	38.26	45.27	0095	BUNKER FLOW PROBLEMS; 2D SILO PLUGGED CAUSED NO COAL FLOW TO 2D FEEDER.
0037	D1	04/29/2008 20:50	04/29/2008 21:13	0.38	25.05	48.68	0250	PULVERIZER FEEDERS; 2E FEEDER PROBLEM
0038	MO	05/02/2008 00:19	05/05/2008 03:13	74.90	100.00	37,974.30	4560	GENERATOR VIBRATION (NOT INCLUDING VIBRATION DUE TO FAILED BEARING AND OTHER COMPONENTS); GENERATOR VIBRATION PROBLEM. INSTALLED BALANCE SHOT.
0039	D2	05/06/2008 08:16	05/06/2008 09:10	0.90	7.10	32.40	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED METAL FROM 2D PYRITES CHUTE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0040	D2	05/08/2008 20:13	05/08/2008 20:59	0.77	23.08	89.70	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED METAL FROM 2E MILL PYRITE SECTION.
0041	D1	05/10/2008 08:36	05/10/2008 12:02	3.43	40.83	710.70	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 2B ID FAN MOTOR BEARING HIGH ALARM ,OPER CUT LOAD & TOOK B FANS OFF .
0042	D4	05/10/2008 15:38	05/11/2008 00:25	8.78	58.78	2,617.43	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 2B ID FAN MOTOR INBOARD BEARING REPAIR
0043	D1	05/18/2008 04:08	05/18/2008 12:52	8.73	11.24	497.80	0310	PULVERIZER MILLS; 2A MILL JOURNAL SETTING ON TABLE, MAINT REPLACED INKIND.
0044	D1	05/20/2008 22:03	05/20/2008 23:08	1.08	9.27	50.92	3370	CONDENSATE SYSTEM CONTROLS AND INSTRUMENTATION (NOT HOTWELL; REPLACED DEARATOR LEVEL PROBE
0045	D1	05/21/2008 16:10	05/21/2008 17:06	0.93	5.13	24.27	1480	OTHER INDUCED DRAFT FAN PROBLEMS; I.D. FANS TOPPED OUT, FURNACE POSITIVE. BLEW ALL I.K.'S, ADJUSTED AIR FLOW.
0046	D1	05/22/2008 05:00	05/22/2008 05:25	0.42	4.54	9.58	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FANS TOPPED OUT, FURNACE WENT POSITIVE. CUT LOAD BACK UNTIL FANS BACKED OFF.
0047	D1	05/22/2008 11:23	05/22/2008 11:48	0.42	14.79	31.25	0310	PULVERIZER MILLS; MAY HAVE SOMETHING IN 2E MILL, TOOK FEEDER OFF.
0048	D1	05/22/2008 11:23	05/22/2008 11:53	0.50	13.81	5.83	0320	FOREIGN OBJECT IN PULVERIZER MILL; 2E MILL OUT TO REMOVE OBJECT FROM MILL.
0049	D1	06/01/2008 12:48	06/01/2008 13:12	0.40	3.35	6.80	1480	OTHER INDUCED DRAFT FAN PROBLEMS; ID FANS TOPPED OUT, BOILER POSITIVE LOAD LIMIT.
0050	D4	06/02/2008 22:58	06/03/2008 02:41	3.72	72.39	1,364.02	0310	PULVERIZER MILLS; MAINT. SET ROLLER RING CLEARANCES ON A,B,D AND E MILLS.
0051	D1	06/16/2008 13:00	06/16/2008 13:40	0.67	23.47	79.33	9270	WET COAL (OMC); 2E FEEDER PLUGGED.
0052	D1	06/17/2008 14:17	06/17/2008 15:48	1.52	6.11	47.02	1480	OTHER INDUCED DRAFT FAN PROBLEMS; BOILER POSITIVE LOAD LIMIT.
0053	D1	06/19/2008 16:33	06/19/2008 16:43	0.17	15.58	13.17	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP
0054	D1	06/20/2008 14:35	06/20/2008 15:19	0.73	2.96	11.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; BOILER POSITIVE LOAD LIMIT.
0055	D1	07/13/2008 13:32	07/13/2008 13:55	0.38	4.73	9.20	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE LOAD LIMIT.
0056	D1	07/16/2008 06:36	07/16/2008 07:36	1.00	14.40	73.00	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0057	D1	07/16/2008 09:13	07/16/2008 10:44	1.52	15.19	116.78	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPERATOR CUT LOAD DUE TO AIR FLOW SWING.
0058	D1	08/13/2008 12:06	08/13/2008 13:22	1.27	2.37	15.20	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE WHEN ID FANS TOPPED OUT AND LIMIT LOAD.
0059	D1	08/13/2008 15:55	08/13/2008 16:25	0.50	4.93	12.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE WHEN ID FANS TOPPED OUT.
0060	D1	08/15/2008 16:36	08/15/2008 21:43	5.12	2.17	56.28	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER POSITIVE WHEN ID FANS TOPPED OUT.
0061	D1	08/20/2008 00:04	08/20/2008 10:19	10.25	60.55	3,146.75	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; BOILER TRIP WHEN 2B BFPT LVDT BROKE. REPLACED INKIND.
0062	D1	08/23/2008 02:55	08/23/2008 09:26	6.52	19.72	651.67	0250	PULVERIZER FEEDERS; 2A FEEDER TRIP LIMIT LOAD
0063	U1	08/29/2008 03:26	08/29/2008 07:22	3.93	100.00	1,994.20	9900	OPERATOR ERROR; UNIT 2 OFF-LINE FOLLOWING HIGH DRUM LEVEL BOILER TRIP.
0069	RS	08/30/2008 00:57	08/30/2008 03:49	2.87	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT 2 SEPERATED FROM LINE IN PREPERATION FOR HURRICANE.
0064	D1	09/03/2008 03:48	09/03/2008 06:00	2.20	45.96	512.60	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2B BFPT LVDT IS BAD AND WONT LOAD UP CAUSING LOAD LIMIT.
0065	D1	09/03/2008 10:15	09/03/2008 13:00	2.75	4.54	63.25	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0066	D1	09/03/2008 13:00	09/03/2008 18:00	5.00	31.16	790.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 2D MILL PYRITING HEAVELY. REMOVED D MILL FOR CLEANING.
0067	D1	09/04/2008 07:00	09/04/2008 12:00	5.00	20.51	520.00	9270	CONTRIBUTED TO PRIMARY CAUSE; WET COAL (OMC); WET COAL IS THE ONLY PROBLEM FOUND DURING D MILL INSPECTION.
0068	D1	09/12/2008 06:50	09/12/2008 13:21	6.52	5.92	195.50	0250	WET COAL (OMC); 2A MILL CLASSIFIER PLUGGED WITH WET COAL. REMOVED FROM SERVICE AND CLEANED CLASSIFIER PULVERIZER FEEDERS; 2B FEEDER TRIP. BELT TORN AND REPLACED INKIND.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0070	D1	09/19/2008 06:50	09/19/2008 07:30	0.67	8.88	30.00	4293	HYDRAULIC SYSTEM PIPES AND VALVES; EH LINE HAMMER AT #1 GOV VALVE CAUSING VALVE TO JUMP AROUND. FLUSHED #1 GOV EH LINE.
0072	D2	09/19/2008 09:23	09/19/2008 09:45	0.37	10.06	18.70	4293	HYDRAULIC SYSTEM PIPES AND VALVES; #1 GOV VLV STILL SWINGING. REPLACED MOOG VALVE TO #1 GOV. VALVE.
0071	D1	09/21/2008 08:23	09/21/2008 09:08	0.75	19.92	75.75	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP, POSSIBLE PIECE OF CONCRETE WENT THROUGH AND HIT PLUGGING SWITCH.
0073	D1	10/05/2008 11:29	10/05/2008 17:45	6.27	15.98	507.60	0250	PULVERIZER FEEDERS; 2D FEEDER BELT BROKE. REPLACED BELT.
0074	RS	10/17/2008 21:57	10/28/2008 00:00	242.05	0.00	0.00	0000	RESERVE SHUTDOWN;
0075	PO	10/28/2008 00:00	12/16/2008 04:47	1181.78	100.00	599,164.15	1340	TUBE MODIFICATIONS (INCLUDING ADDITION AND REMOVAL OF TUBES); REMOVE AND REPLACE THE ECONOMIZER SECTION OF THE BOILER.
							1812	CONTRIBUTED TO PRIMARY CAUSE; BOILER INSPECTIONS - SCHEDULED OR ROUTINE; INSPECTION AND REPAIR AS NECESSARY.
							0360	CONTRIBUTED TO PRIMARY CAUSE; BURNERS; INSTALL LOW NOX BURNERS
							4401	CONTRIBUTED TO PRIMARY CAUSE; TURBINE INSPECTION; INSPECT AND REPAIR.
							4840	CONTRIBUTED TO PRIMARY CAUSE; INSPECTION - GENERATOR; INSPECTION AND REPAIR.
0076	U1	12/16/2008 04:56	12/16/2008 05:04	0.13	100.00	67.60	4700	GENERATOR VOLTAGE CONTROL; UNIT OFF-LINE TO ADJ. NEW VOLTAGE REGULATOR.
0077	U1	12/16/2008 07:23	12/16/2008 08:59	1.60	100.00	811.20	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); UNIT OFF-LINE TO ADJ. THE SSS - RSS TRANSFER BREAKER SCHEME.
0078	PO	12/16/2008 14:05	12/16/2008 16:39	2.57	100.00	1,301.30	4460	TURBINE OVERSPEED TRIP TEST; UNIT OVERSPEED TRIP TESTS.
0079	U1	12/16/2008 16:45	12/16/2008 17:28	0.72	100.00	363.35	4460	TURBINE OVERSPEED TRIP TEST; UNIT OVERSPEED TRIP TEST.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0080	D1	12/16/2008 22:46	12/17/2008 02:05	3.32	97.24	1,635.12	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); UNIT LOAD LIMITED DUE TO DRUM LEVEL BOILER TRIPS.
0081	D4	12/17/2008 06:00	12/17/2008 16:21	10.35	34.91	1,831.95	0855	DRUM RELIEF/SAFETY VALVES (SINGLE DRUM ONLY); OPER LIMIT LOAD TO SET DRUM SAFETIES.
0082	D1	12/17/2008 20:57	12/17/2008 21:07	0.17	64.50	54.50	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP ON NEG. DRAFT PSI.
0083	U1	12/17/2008 21:07	12/17/2008 22:49	1.70	100.00	861.90	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); OPER TRIP TURBINE. LOSS START-UP PERMIT AFTER BLR. TRIP. 2E HOT AIR DAMPER STUCK OPEN.
0084	D1	12/18/2008 06:00	12/18/2008 10:47	4.78	23.87	578.78	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 2B ID FAN HIGH AMPS LIMIT LOAD.
0085	D1	12/18/2008 10:47	12/18/2008 12:59	2.20	54.64	609.40	0344	PULVERIZER INSPECTION; 2D MILL NOISE INSPECTION.
0086	D1	12/18/2008 13:04	12/18/2008 13:40	0.60	49.70	151.20	3418	FEEDWATER PUMP DRIVE - OTHER; 2A BFPT OUT FOR EH FLOID LEAK REPAIR.
0087	D2	12/30/2008 21:11	12/31/2008 08:11	11.00	17.75	990.00	0310	PULVERIZER MILLS; 2E MILL ROLLER RING SETTING.

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Crist 4								
0001	RS	01/01/2009 00:00	01/06/2009 06:43	126.72	0.00	0.00	0000	RESERVE SHUTDOWN; ON ECONOMIC DISPATCH.
0002	RS	02/24/2009 22:01	03/02/2009 09:25	131.40	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0003	RS	03/06/2009 16:15	05/15/2009 17:10	1679.92	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0004	U1	05/16/2009 18:11	05/17/2009 01:32	7.35	100.00	573.30	4311	STEAM TURBINE CONTROL SYSTEM - HARDWARE PROBLEMS (INCLUDING CARD FAILURE); LOST POWER TO INTERCEPT VALVES RESULTING IN A UNIT TRIP
0005	U1	05/23/2009 01:02	05/23/2009 03:06	2.07	100.00	161.20	4267	CONTROL VALVE TESTING; TURBINE TRIPPED WHILE TESTING VALVES
0006	RS	05/27/2009 21:06	05/29/2009 08:30	35.40	0.00	0.00	0000	RESERVE SHUTDOWN
0007	MO	05/29/2009 08:30	05/29/2009 10:30	2.00	100.00	156.00	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK REPAIRED IN THE SUPERHEAT.
0008	RS	05/29/2009 10:30	07/18/2009 02:08	1191.63	0.00	0.00	0000	RESERVE SHUTDOWN
0009	RS	07/22/2009 10:58	09/23/2009 19:21	1520.38	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0010	U1	09/24/2009 02:43	09/24/2009 03:50	1.12	100.00	87.10	4290	HYDRAULIC SYSTEM PUMPS; EHC PUMP FAILED AND UNIT TRIPPED
0011	RS	10/23/2009 17:46	11/03/2009 08:07	255.35	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0012	U1	11/03/2009 10:47	11/03/2009 12:30	1.72	100.00	133.90	1480	OTHER INDUCED DRAFT FAN PROBLEMS; UNIT TRIPPED DUE TO ID FAN SUCTION PRESS BEING LOW
0013	PO	12/02/2009 23:45	12/07/2009 09:58	106.22	100.00	8,284.90	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; PLANNED OUTAGE FOR SCRUBBER TIE-IN
0014	U1	12/09/2009 17:06	12/09/2009 18:18	1.20	100.00	93.60	1480	OTHER INDUCED DRAFT FAN PROBLEMS; UNIT TRIPPED DUE TO ID FAN SUCTION PRESSURE BEING TOO LOW

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 5								
0001	RS	01/06/2009 13:58	01/21/2009 08:23	354.42	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0002	MO	01/23/2009 11:25	01/25/2009 10:10	46.75	100.00	3,646.50	1480	OTHER INDUCED DRAFT FAN PROBLEMS; REMOVED UNIT FROM SERVICE TO REPAIR INBOARD FAN BEARING ON I.D. FAN
0003	NC	01/29/2009 12:00	01/29/2009 18:00	6.00	0.00	0.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; REMOVED 5D MILL FROM SERVICE TO REPAIR PYRITE SWEEPS.
0004	D1	01/30/2009 06:00	01/30/2009 07:05	1.08	35.90	30.33	1480	OTHER INDUCED DRAFT FAN PROBLEMS; REDUCED LOAD TO STOP INBOARD I.D. FAN BEARING VIBRATION BEFORE RETIGHTENING BEARING
0005	D1	02/25/2009 19:46	02/26/2009 15:57	20.18	38.46	605.50	3110	CONDENSER TUBE LEAKS; REMOVE "A" SIDE CONDENSER FROM SERVICE TO REPAIR TUBE LEAK
0006	D1	02/27/2009 05:00	02/28/2009 00:20	19.33	28.21	425.33	3110	CONDENSER TUBE LEAKS; REMOVE 5A CONDENSER FROM SERVICE TO REPAIR TUBE LEAK.
0007	U1	03/04/2009 01:27	03/04/2009 06:03	4.60	100.00	358.80	1415	FORCED DRAFT FAN CONTROLS; UNIT WAS TRIPPED DUE TO HIGH FURNACE PRESSURE TRIPPED FIRES THEN FANS TRIPPED
0008	NC	03/16/2009 22:10	03/16/2009 22:40	0.50	0.00	0.00	9270	WET COAL (OMC); 5D FEEDER COAL STOPPAGE
0009	NC	03/17/2009 00:35	03/17/2009 01:00	0.42	0.00	0.00	9270	WET COAL (OMC); 5"D" FEEDER WET COAL
0010	NC	03/17/2009 03:00	03/17/2009 03:20	0.33	0.00	0.00	9270	WET COAL (OMC); 5"D" FEEDER PLUGGED WET COAL
0012	NC	03/18/2009 06:30	03/19/2009 18:30	36.00	0.00	0.00	9270	WET COAL (OMC); 5"A" - 5"D" FEEDERS PLUGGING WET COAL.
0011	NC	03/18/2009 06:35	03/18/2009 14:00	7.42	0.00	0.00	9270	WET COAL (OMC); 5"C" & 5"D" FEEDERS PLUGGED WET COAL
0013	U1	04/05/2009 01:57	04/05/2009 06:25	4.47	100.00	348.40	4267	CONTROL VALVE TESTING; UNIT TRIPPED DURING WEEKLY VALVE TESTING
0014	RS	04/13/2009 08:16	04/14/2009 06:00	21.73	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0015	MO	04/14/2009 06:00	04/17/2009 14:30	80.50	100.00	6,279.00	1455	INDUCED DRAFT FANS; REPAIRED UNIT 5 I.D. FAN BEARING

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0016	RS	04/17/2009 14:30	04/23/2009 01:03	130.55	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0017	MO	05/16/2009 00:51	05/17/2009 09:00	32.15	100.00	2,507.70	1050	SECOND SUPERHEATER TUBE LEAKS; LEAK IN LOW TEMP SH BY 8L SOOTBLOWER
0018	RS	05/17/2009 09:00	05/30/2009 03:09	306.15	0.00	0.00	0000	RESERVE SHUTDOWN
0019	U1	06/01/2009 20:00	06/02/2009 03:11	7.18	100.00	560.30	1420	OTHER FORCED DRAFT FAN PROBLEMS; THE FD FAN DAMPER LINKAGE BROKE AND THE UNIT CAME OFFLINE
0020	RS	09/24/2009 02:41	09/24/2009 14:00	11.32	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0021	MO	09/24/2009 14:00	09/25/2009 12:00	22.00	100.00	1,716.00	1000	WATERWALL (FURNACE WALL); TUBE LEAK REPAIRED WHILE UNIT OFFLINE
0022	RS	09/25/2009 12:00	09/30/2009 18:55	126.92	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0023	RS	11/06/2009 21:17	11/11/2009 00:00	98.72	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0024	MO	11/11/2009 00:00	11/13/2009 12:00	60.00	100.00	4,680.00	1420	OTHER FORCED DRAFT FAN PROBLEMS; REPAIRED THE FD FAN DAMPERS
0025	RS	11/13/2009 12:00	11/18/2009 22:29	130.48	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0026	PO	11/25/2009 15:13	12/20/2009 23:14	608.02	100.00	47,425.30	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; PLANNED OUTAGE FOR SCRUBBER TIE IN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	PO	01/01/2009 00:00	02/07/2009 12:33	900.55	100.00	271,966.10	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); BOILER OUTAGE.
0005	U1	02/07/2009 12:34	02/07/2009 14:11	1.62	100.00	488.23	4300	TURBINE SUPERVISORY SYSTEM; UNIT TRIPPED DUE TO BAD VIBRATION PROBE ON #7 BRG.
0002	PD	02/07/2009 14:11	02/10/2009 00:34	58.38	71.85	12,669.18	1472	INDUCED DRAFT FAN COUPLING; UNIT DERATED DUE TO 6B ID FAN OUT OF SERVICE FOR REPAIRS.
0003	U1	02/10/2009 00:34	02/10/2009 20:40	20.10	100.00	6,070.20	1999	BOILER, MISCELLANEOUS; REMOVED UNIT FROM SERVICE DUE TO EXPLOSIONS HEARD IN BOILER.
0004	U1	02/14/2009 20:01	02/17/2009 03:35	55.57	100.00	16,781.13	1060	FIRST REHEATER TUBE LEAKS; REMOVED UNIT FROM SERVICE TO REPAIR REHEATER LEAK AND HRA REARWALL TUBE LEAKS.
0006	RS	03/19/2009 22:03	03/30/2009 11:02	252.98	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0007	D1	04/05/2009 08:30	04/05/2009 14:00	5.50	27.15	451.00	0255	PULVERIZER FEEDER COAL SCALES; REMOVED 6A FEEDER TO REPLACE BELT.
0008	D1	04/05/2009 17:50	04/05/2009 18:45	0.92	27.15	75.17	9270	WET COAL (OMC); 6 D FEEDER PLUGGED WET COAL
0009	D1	04/06/2009 08:30	04/06/2009 09:05	0.58	27.15	47.83	9270	WET COAL (OMC); 6A FEEDER PLUGGED WET COAL
0010	D1	04/11/2009 11:38	04/11/2009 13:45	2.12	98.34	628.65	0255	PULVERIZER FEEDER COAL SCALES; 6A FEEDER FELL OUT DUE TO ROCK ON BELT ,LOST FIRES DUE TO LOSS OF DRUM LEVEL
							1799	CONTRIBUTED TO PRIMARY CAUSE; OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; 6A FEEDER FELL OUT DUE TO ROCK ON BELT ,LOST FIRES DUE TO LOSS OF DRUM LEVEL
0011	NC	04/11/2009 14:40	04/14/2009 20:20	77.67	0.00	0.00	0280	PULVERIZER FIRES; REMOVED 6A MILL FROM SERVICE AFTER FIRE IN MILL TO REPAIR COAL LINES.
0012	RS	04/26/2009 06:43	04/28/2009 00:49	42.10	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	NC	05/14/2009 08:05	05/14/2009 14:35	6.50	0.00	0.00	9590	MISCELLANEOUS REGULATORY; CEMS RATA TEST PERFORMED WITHOUT AFFECTING LOAD
0014	D1	05/15/2009 05:05	05/15/2009 12:20	7.25	4.64	101.50	1455	INDUCED DRAFT FANS; ID FAN ISSUES THAT PREVENTED FULL LOAD
0015	U1	05/19/2009 07:19	05/19/2009 09:10	1.85	100.00	558.70	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TURBINE TRIPPED WHILE CHANGING OUT CONTROL CARDS.
0016	RS	05/30/2009 20:02	06/02/2009 07:00	58.97	0.00	0.00	0000	RESERVE SHUTDOWN
0017	MO	06/02/2009 07:00	06/02/2009 13:00	6.00	100.00	1,812.00	3431	OTHER FEEDWATER VALVES; REPAIRED A LEAK ON THE BOILER FEED PUMP CHECK VALVE GASKET
0018	RS	06/02/2009 13:00	06/22/2009 04:25	471.42	0.00	0.00	0000	RESERVE SHUTDOWN
0019	U1	06/22/2009 15:15	06/22/2009 21:00	5.75	100.00	1,736.50	4300	TURBINE SUPERVISORY SYSTEM; #7 BEARING VIBRATION PROBE FAILED
0020	RS	07/06/2009 23:50	07/15/2009 23:26	215.60	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0021	RS	08/24/2009 18:29	10/03/2009 00:00	941.52	0.00	0.00	0000	RESERVE SHUTDOWN
0022	PO	10/03/2009 00:00	10/22/2009 12:55	468.92	100.00	141,612.83	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; SCRUBBER DUCT WORK TIE-IN
0023	D1	11/09/2009 18:33	11/09/2009 19:08	0.58	93.38	164.50	0310	PULVERIZER MILLS; LOST FIRE IN BOILER DUE TO TEMP SWING AS A RESULT OF 6 B MILL LOADING UP.
0024	PO	11/20/2009 21:12	11/24/2009 04:42	79.50	100.00	24,009.00	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; PLANNED OUTAGE FOR SCRUBBER TIE-IN
0025	NC	12/22/2009 02:25	12/26/2009 19:09	112.73	0.00	0.00	0310	PULVERIZER MILLS; 6A PULVERIZER FAILED
0026	U1	12/27/2009 15:32	12/27/2009 17:57	2.42	100.00	729.83	0264	OTHER PRIMARY AIR FAN PROBLEMS; 6A FAN TRIPPED AFTER A RAT GOT INTO THE BREAKER
0027	U1	12/27/2009 19:09	12/27/2009 21:23	2.23	100.00	674.47	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); UNIT TRIPPED DUE TO A HIGH DRUM LEVEL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	D1	01/09/2009 07:45	01/09/2009 13:08	5.38	15.89	403.75	0346	PULVERIZER PYRITE REMOVAL SYSTEM; REMOVED MILL FROM SERVICE TO REPAIR PYRITE LINE
0002	D1	01/09/2009 23:55	01/10/2009 00:37	0.70	11.86	39.20	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED 7 F MILL FROM SERVICE TO UNPLUG PYRITE HOPPER AND REMOVE METAL FROM MILL
0003	D1	01/10/2009 05:30	01/10/2009 16:45	11.25	15.89	843.75	0346	PULVERIZER PYRITE REMOVAL SYSTEM; REMOVED 7B MILL FROM SERVICE TO UNPLUG PYRITE LINE
0004	D1	01/10/2009 06:00	01/10/2009 10:20	4.33	38.98	472.33	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED 7F MILL FROM SERVICE TO REMOVE METAL FROM MILL
0005	D4	01/15/2009 15:50	01/16/2009 03:00	11.17	13.77	725.83	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); REMOVED 7 C MILL FROM SERVICE TO REPAIR SPLIT IN COAL PIPE.
0007	RS	01/26/2009 02:04	01/31/2009 00:00	117.93	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0008	PO	01/31/2009 00:00	03/13/2009 08:58	991.97	100.00	468,208.27	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); UNIT REMOVED FROM SERVICE FOR PLANNED BOILER OUTAGE
0009	PO	03/13/2009 15:43	03/14/2009 11:12	19.48	100.00	9,196.13	4460	TURBINE OVERSPEED TRIP TEST; REMOVED UNIT FROM SERVICE TO OVERSPEED AND TURBINE BALANCE SHOT
0011	D1	03/14/2009 00:00	03/15/2009 19:00	43.00	30.51	4,180.80	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; UNIT DERATED DUE TO 7A I.D. FAN MOTOR REPAIR.
0010	U1	03/14/2009 21:25	03/15/2009 00:11	2.77	100.00	1,305.87	0280	PULVERIZER FIRES; REMOVED UNIT FROM SERVICE DUE TO PULVERIZER COAL PIPE FIRE.
0012	D1	03/15/2009 19:00	03/19/2009 13:35	90.58	41.10	17,573.17	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; UNIT DERATED DUE TO 7A I.D. FAN MOTOR REPAIR.
0013	D1	03/18/2009 08:35	03/19/2009 16:10	31.58	41.10	501.17	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); REDUCED LOAD TO REMOVE 7E PULVERIZER FROM SERVICE TO REPAIR E 10 COAL PIPE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0014	D1	03/21/2009 01:10	03/21/2009 08:00	6.83	20.13	649.17	0300	PULVERIZER MOTORS AND DRIVES; REMOVE 7 "A" MILL FROM SERVICE TO INSPECT GEAR BOX
0015	D1	03/21/2009 08:30	03/21/2009 12:00	3.50	20.13	332.50	0300	PULVERIZER MOTORS AND DRIVES; REMOVE 7 "A" MILL FROM SERVICE TO REPAIR GEAR BOX.
0016	D1	03/21/2009 13:20	03/21/2009 13:40	0.33	34.75	54.67	0255	PULVERIZER FEEDER COAL SCALES; 7"C" FEEDER OUT OF SERVICE TO REMOVE ROCK FROM BELT.
0017	D1	03/22/2009 12:45	03/22/2009 13:50	1.08	32.63	166.83	0335	PULVERIZER LUBE OIL SYSTEM; 7"E" MILL TRIPPED DUE TO PLUGGED FILTERS
0018	D1	03/27/2009 06:10	03/27/2009 11:45	5.58	5.72	150.75	0250	PULVERIZER FEEDERS; 7"D" FEEDER OUT OF SERVICE TO REPAIR COAL BELT.
0019	D1	03/28/2009 10:35	03/28/2009 20:00	9.42	3.60	160.08	9270	WET COAL (OMC); UNIT REDUCED CAPACITY DUE TO WET COAL.
0020	D1	03/30/2009 04:50	03/31/2009 00:20	19.50	20.13	1,852.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; 7"A" MILL OUT OF SERVICE DUE TO OBJECT IN MILL DAMAGED MILL INTERNALS
0021	MO	03/31/2009 00:20	04/01/2009 16:40	40.33	100.00	19,037.33	1000	WATERWALL (FURNACE WALL); UNIT REMOVED FROM SERVICE TO REPAIR WATERWALL TUBE LEAK
0022	RS	04/01/2009 16:40	04/12/2009 15:14	262.57	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE / GENERATOR RESERVE SHUT DOWN
0023	D1	04/18/2009 18:00	04/18/2009 22:20	4.33	9.75	199.33	0250	PULVERIZER FEEDERS; 7 A FEEDER WILL NOT RUN ALARM FAULT WILL NOT CLEAR.
0024	D1	04/23/2009 11:35	04/23/2009 11:53	0.30	9.75	13.80	0250	PULVERIZER FEEDERS; REMOVED 7 A FEEDER FROM SERVICE TO REMOVE OBJECT FROM BELT.
0025	MO	04/24/2009 00:45	04/25/2009 09:36	32.85	100.00	15,505.20	3431	OTHER FEEDWATER VALVES; REMOVED UNIT FROM SERVICE TO REPAIR 7A B.F.P. DISCHARGE CHECK VALVE
0026	D1	04/25/2009 10:20	04/25/2009 16:00	5.67	20.13	538.33	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; UNIT REDUCED LOAD DUE TO 7A I.D. FAN MOTOR BAD
0027	D1	04/25/2009 16:00	05/01/2009 15:00	143.00	30.51	10,680.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; 7 A I.D. FAN OUT OF SERVICE HIGH AMPS ON OTHER FANS A.H. OUTLET GAS TEMP HIGH.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	D1	04/26/2009 12:43	04/27/2009 13:30	24.78	41.10	1,239.17	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REDUCED LOAD DUE TO HIGH BEARING VIBRATION AT # 3 BEARING.
0029	D1	04/27/2009 13:30	04/27/2009 16:00	2.50	47.46	200.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REDUCED LOAD DUE TO HIGH BEARING VIBRATION AT # 3 BEARING
0030	D1	04/27/2009 16:00	04/27/2009 21:15	5.25	51.69	525.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REDUCED LOAD DUE TO HIGH BEARING VIBRATION AT # 3 BEARING
0031	D1	04/27/2009 22:17	04/28/2009 10:22	12.08	43.22	725.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REDUCED LOAD DUE TO HIGH BEARING VIBRATION AT # 3 BEARING
0032	MO	04/28/2009 10:22	05/01/2009 07:12	68.83	100.00	32,489.33	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; REDUCED LOAD DUE TO HIGH BEARING VIBRATION AT # 3 BEARING
0033	D1	05/01/2009 15:00	05/09/2009 10:30	187.50	11.86	10,500.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; UNIT REDUCED LOAD DUE TO 7 "A" I.D. FAN LOAD CAPACITY.
0034	D4	05/07/2009 23:45	05/09/2009 10:30	34.75	32.20	3,336.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REMOVED SMALLER ID FAN FROM SERVICE TO INSTALL THE ORIGINAL ID FAN
0035	D1	05/17/2009 12:25	05/17/2009 16:51	4.43	20.13	421.17	0280	PULVERIZER FIRES; FIRE IN 7 E MILL
0036	D4	06/02/2009 08:15	06/02/2009 18:44	10.48	51.69	2,557.93	3110	CONDENSER TUBE LEAKS; TUBE LEAK ON "A" SIDE
0037	D4	06/03/2009 05:02	06/04/2009 07:16	26.23	51.69	6,400.93	3110	CONDENSER TUBE LEAKS; TUBE LEAK ON A SIDE
0038	D4	06/14/2009 20:50	06/15/2009 11:37	14.78	45.34	3,163.63	3110	CONDENSER TUBE LEAKS; REMOVED "A" SIDE CONDENSER FROM SERVICE TO REPAIR CONDENSER TUBE LEAK.
0039	D4	06/15/2009 22:05	06/16/2009 09:00	10.92	51.69	2,663.67	3110	CONDENSER TUBE LEAKS; A SIDE TUBE LEAK
0040	D4	06/16/2009 21:46	06/17/2009 15:00	17.23	51.69	4,204.93	3110	CONDENSER TUBE LEAKS; B SIDE TUBE LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0041	D1	06/19/2009 18:15	06/19/2009 23:26	5.18	2.54	62.20	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO HIGH MOTOR STATOR TEMPS ON 7 C AND 7D I.D. FANS
0042	D1	06/20/2009 16:22	06/21/2009 04:13	11.85	4.66	260.70	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO HIGH MOTOR STATOR TEMP ON 7 C I.D. FAN
0043	D1	06/24/2009 21:28	06/25/2009 00:45	3.28	4.66	72.23	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO I.D. FAN AMPS SWINGING
0044	D1	06/30/2009 17:40	06/30/2009 21:05	3.42	3.60	58.08	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO HIGH I.D. FAN AMPS AND 7C MOTOR STATOR TEMP HIGH
0045	D1	07/02/2009 17:17	07/02/2009 21:00	3.72	5.72	100.35	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO I.D. FANS AMPS SWINGING
0046	D1	07/03/2009 15:25	07/03/2009 20:04	4.65	1.69	37.20	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO I.D. FAN AMPS SWINGING
0047	D1	07/05/2009 05:28	07/05/2009 09:00	3.53	1.69	28.27	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; REDUCED LOAD DUE TO I.D. FAN AMPS SWINGING
0048	U1	07/14/2009 18:12	07/20/2009 09:29	135.28	100.00	63,853.73	4800	GENERATOR MAIN LEADS; GENERATOR TRIPPED DUE TO A GROUND. REPLACED BUSHING
0049	U1	08/18/2009 22:59	08/19/2009 11:25	12.43	100.00	5,868.53	0325	PULVERIZER SKIDDING; A MILL STOPPED GRINDING, THIS UPSET TRIPPED THE UNIT DUE TO EXCESS SUPERHEAT TEMPS
0050	D1	08/21/2009 21:00	08/22/2009 01:34	4.57	98.94	2,132.63	1488	AIR HEATER (REGENERATIVE); "B" AIRHEATER GEARBOX COUPLING FAILED
0053	U1	08/22/2009 01:34	08/22/2009 23:03	21.48	100.00	10,140.13	1488	AIR HEATER (REGENERATIVE); "B" AIRHEATER GEARBOX COUPLING FAILED
0052	D1	08/29/2009 13:00	08/29/2009 15:00	2.00	3.18	30.00	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; #3 BEARING VIBRATION WAS HIGH AND PREVENTED THE UNIT FROM MAKING FULL LOAD
0054	D1	09/11/2009 11:50	09/11/2009 12:10	0.33	94.70	149.00	4313	STEAM TURBINE CONTROL SYSTEM - LOGIC PROBLEMS; TRIPPED FIRE IN BOILER DUE TO TURBINE VAVLE TESTING LOGIC FREEZING

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0055	PO	10/01/2009 16:48	12/05/2009 08:38	1552.83	100.00	732,937.33	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; SCRUBBER TIE-IN
							4400	CONTRIBUTED TO PRIMARY CAUSE; MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); INSTALLING NEW HP/IP ROTOR AND INNER CASING
0057	D1	12/04/2009 14:14	12/09/2009 02:04	107.83	47.03	12,295.10	0263	PRIMARY AIR FAN DRIVES; 7B PRIMARY AIR FAN MOTOR OUTBOARD BEARING FAILED
0056	MO	12/05/2009 13:35	12/06/2009 18:56	29.35	100.00	13,853.20	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; TOOK UNIT OFFLINE DUE TO TURBINE VIBRATION, SHIMMED BEARINGS
0058	U1	12/06/2009 19:21	12/07/2009 00:03	4.70	100.00	2,218.40	1475	INDUCED DRAFT FAN CONTROLS; ID FAN TRIPPED DUE TO A CONTROLS ISSUE
0059	MO	12/12/2009 06:14	12/17/2009 01:43	115.48	100.00	54,508.13	4040	BEARINGS - HP TURBINE; UNIT OFFLINE TO SHIM THE #2 AND #3 TURBINE BEARINGS
0060	U1	12/22/2009 15:28	12/22/2009 19:42	4.23	100.00	1,998.13	8817	SCR CONTROL SYSTEM; LOST AMMONIA FLOW TO SCR AND THE ID FAN SUCTION PRESS TRIP WAS INITIATED
0061	U1	12/23/2009 19:25	12/23/2009 22:10	2.75	100.00	1,298.00	1457	INDUCED DRAFT FAN LUBRICATION SYSTEMS; A HIGH LUBE OIL TEMP ON A ID FAN TRIPPED THE FAN AND THE UNIT ALSO TRIPPED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 1								
0001	RS	01/01/2009 00:00	03/25/2009 06:00	1997.00	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D4	01/10/2009 00:00	01/14/2009 09:49	105.82	28.26	1,375.62	0345	PULVERIZER OVERHAUL; REBUILD 1C PULVERIZER WHILE ON RESERVE SHUTDOWN
0003	MO	03/25/2009 06:00	03/27/2009 11:56	53.93	100.00	2,480.93	4840	INSPECTION - GENERATOR; GENERATOR TESTING, RELATED TO BIO MASS PROJECT
0004	MO	03/27/2009 11:56	03/29/2009 18:24	54.47	100.00	2,505.47	1350	OTHER TUBE PROBLEMS; REPLACING SECTIONS OF BOILER TUBES ON 9 TUBES AROUND IR 4 SOOTBLOWER
0005	RS	03/29/2009 18:24	09/10/2009 08:05	3949.68	0.00	0.00	0000	RESERVE SHUTDOWN
0006	D4	04/30/2009 14:30	05/05/2009 13:40	119.17	28.26	1,549.17	0250	PULVERIZER FEEDERS; FEEDER HOUSING AND DRIVE HOUSING DAMAGED / BEING REPAIRED
0007	MO	09/10/2009 08:05	09/10/2009 13:46	5.68	100.00	261.43	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); MAINTENANCE ON SWITCHYARD CIRCUIT BREAKER 2512
0008	RS	09/10/2009 13:46	01/01/2010 00:00	2699.23	0.00	0.00	0000	RESERVE SHUTDOWN
Scholz 2								
0001	RS	01/01/2009 00:00	03/25/2009 06:00	1997.00	0.00	0.00	0000	RESERVE SHUTDOWN
0002	MO	03/25/2009 06:00	03/27/2009 14:20	56.33	100.00	2,591.33	4840	INSPECTION - GENERATOR; GENERATOR TESTING, ASSOCIATED WITH BIO MASS PROJECT
0003	RS	03/27/2009 14:20	04/23/2009 14:26	648.10	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN
0004	D1	04/30/2009 03:30	04/30/2009 17:35	14.08	28.26	183.08	0250	PULVERIZER FEEDERS; DRIVE INSIDE FEEDER GEAR BOX BROKE ON 2C PULVERIZER
0005	RS	05/06/2009 18:34	09/10/2009 08:05	3037.52	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HR. STANDBY)
0006	MO	09/10/2009 08:05	09/10/2009 13:46	5.68	100.00	261.43	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); MAINTENANCE ON SWITCHYARD CIRCUIT BREAKER 2512
0007	RS	09/10/2009 13:46	01/01/2010 00:00	2699.23	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	RS	02/06/2009 22:51	03/12/2009 18:38	810.78	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	RS	03/23/2009 20:48	04/13/2009 00:00	483.20	0.00	0.00	0000	RESERVE SHUTDOWN;
0004	PO	04/13/2009 00:00	05/09/2009 19:45	643.75	100.00	104,287.50	9510	PLANT MODIFICATIONS STRICTLY FOR COMPLIANCE WITH NEW OR CHANGED REGULATORY; INSTALLING SNCR BOILER MODIFICATIONS. STARTED 120 HRS EARLY
0005	D4	05/09/2009 19:45	05/11/2009 11:45	40.00	44.44	2,880.00	9660	THERMAL DISCHARGE LIMITS - FOSSIL; EVALUATING THERMAL DISCHARGE LIMITATIONS UPON LOSS OF CIRCULATING WATER PUMP.
0006	U1	05/19/2009 08:37	05/21/2009 02:58	42.35	100.00	6,860.70	1000	WATERWALL (FURNACE WALL); LOWER WATER WALL TUBE LEAK
0007	RS	06/03/2009 08:27	06/04/2009 20:00	35.55	0.00	0.00	0000	RESERVE SHUTDOWN;
0008	U1	06/04/2009 20:00	06/05/2009 20:30	24.50	100.00	3,969.00	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); FOREIGN OBJECT LODGED IN THE AUTO STOP VALVE.
0009	RS	06/05/2009 20:30	06/15/2009 03:05	222.58	0.00	0.00	0000	RESERVE SHUTDOWN;
0010	NC	06/19/2009 05:00	06/19/2009 07:36	2.60	0.00	0.00	0310	PULVERIZER MILLS; REPLACE PULVERIZER JOURNAL AND ROLL ASSEMBLY, WAS EXCESSIVELY WORN CAUSING VIBRATION.
0011	D4	09/12/2009 07:30	09/12/2009 13:05	5.58	13.58	122.83	0310	PULVERIZER MILLS; QUARTERLY PULVERIZER INSPECTION FOR 1A MILL.
0012	D4	09/13/2009 07:53	09/13/2009 13:51	5.97	13.58	131.27	0310	PULVERIZER MILLS; QUARTERLY PULVERIZER INSPECTION FOR 1 B MILL.
0013	D4	09/14/2009 06:50	09/14/2009 18:32	11.70	13.58	257.40	0310	PULVERIZER MILLS; QUARTERLY PULVERIZER INSPECTIONS FOR 1C MILL
0014	D4	09/17/2009 05:11	09/17/2009 14:18	9.12	13.58	200.57	0310	PULVERIZER MILLS; QUARTERLY PULVERIZER INSPECTIONS FOR 1D MILL.
0015	RS	10/04/2009 00:55	10/06/2009 07:00	54.08	0.00	0.00	0000	RESERVE SHUTDOWN;
0016	MO	10/06/2009 07:00	10/09/2009 15:30	80.50	100.00	13,041.00	1493	AIR HEATER FOULING (REGENERATIVE); REPAIR AIR PREHEATER BLOWERS AND CLEAN AIR HEATERS.
0017	RS	10/09/2009 15:30	11/09/2009 07:00	736.50	0.00	0.00	0000	RESERVE SHUTDOWN;
0018	MO	11/09/2009 07:00	11/13/2009 12:30	101.50	100.00	16,443.00	1510	FLUE GAS DUCTS (EXCEPT RECIRCULATION); REPAIR COLD PRECIP OUTLET DUCT..

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0019	RS	11/13/2009 12:30	12/05/2009 05:08	520.63	0.00	0.00	0000	RESERVE SHUTDOWN;
0020	NC	11/15/2009 08:21	11/18/2009 15:48	79.45	0.00	0.00	3211	CIRCULATING WATER PUMP MOTORS; CHANGE OUT 1A CIRCULATING WATER PUMP MOTOR...
0021	D4	12/09/2009 07:53	12/09/2009 09:08	1.25	16.67	33.75	3661	4000-7000 VOLT CIRCUIT BREAKERS; RESET MOC SWITCH TRAVEL ON 1B MILL BREAKER
0022	U1	12/18/2009 11:22	12/22/2009 15:30	100.13	100.00	16,221.60	1000	WATERWALL (FURNACE WALL); LOWER WATER WALL TUBE LEAK.
0023	RS	12/22/2009 15:30	12/30/2009 10:48	187.30	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	D1	01/05/2009 08:00	01/05/2009 17:30	9.50	44.62	826.50	8760	OPACITY MONITOR PROBLEMS; HIGH OPACITY ON A DUCT.
0002	D1	01/05/2009 17:30	01/05/2009 22:15	4.75	12.82	118.75	8760	OPACITY MONITOR PROBLEMS; A DUCT OPACITY HIGH. DETERMINED TO BE FAULTY MONITOR...
0003	NC	01/13/2009 04:43	01/13/2009 16:40	11.95	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; REBUILDING EXHAUSTER FAN ROOF LINER...
0004	NC	01/14/2009 04:41	01/14/2009 15:32	10.85	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; REBUILD 2C EXHAUSTER FAN ROOF LINER AND REPLACE MILL ROLLS.
0005	RS	01/23/2009 22:30	02/03/2009 22:23	263.88	0.00	0.00	0000	RESERVE SHUTDOWN; LOAD LOADERS
0006	D1	02/04/2009 04:00	02/04/2009 20:07	16.12	40.00	1,257.10	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; ASH ACCUMULATION DUE TO UNIT START UP
0007	D1	02/09/2009 08:37	02/09/2009 08:42	0.08	96.41	15.67	9910	MAINTENANCE PERSONNEL ERROR; PERSONNEL ERROR ,WORKED PERFORMED ON WRONG UNIT.
0008	NC	02/16/2009 04:36	02/16/2009 23:05	18.48	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; REBUILT EXHAUSTER ROOF LINER
0009	NC	03/23/2009 23:40	03/24/2009 08:30	8.83	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE SCRAP METAL FROM MILL.
0010	NC	04/11/2009 03:46	04/11/2009 09:00	5.23	0.00	0.00	0250	PULVERIZER FEEDERS; CHANGE 2 E FEEDER CLEAN OUT CONVEYOR BEARING.
0011	NC	04/21/2009 06:15	04/21/2009 11:19	5.07	0.00	0.00	0310	PULVERIZER MILLS; REPAIR MILL ROLL ASSEMBLY..
0012	PO	04/25/2009 01:42	05/05/2009 00:01	238.32	100.00	46,471.75	3220	CIRCULATING WATER PIPING; REPAIR COMMON CIRCULATING WATER PIPING CONNECTION TO THE INTAKE TUNNEL.
0013	MO	05/05/2009 00:01	05/05/2009 18:44	18.72	100.00	3,649.75	4410	TURNING GEAR AND MOTOR; TURNING GEAR MOTOR FAILURE
0014	D1	05/06/2009 04:58	05/06/2009 05:10	0.20	99.49	38.80	1476	INDUCED DRAFT FAN SPEED CHANGER; BREAKER FAILED TO CLOSE ON A SPEEDCHANGER OPERATION.
0015	NC	06/02/2009 08:29	06/02/2009 11:15	2.77	0.00	0.00	0250	PULVERIZER FEEDERS; REMOVED FEEDER FROM SERVICE TO REPAIR SLIPPING FEEDER BELT..

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	06/02/2009 13:27	06/02/2009 13:44	0.28	59.49	32.87	1476	INDUCED DRAFT FAN SPEED CHANGER; SPEED CHANGER MIS-OPERATION DUE TO FAILED RELAY IN THE CONTROL CIRCUIT.
0017	NC	06/12/2009 07:00	06/12/2009 11:00	4.00	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACED CONTROLLER CIRCUIT BOARD IN MC-3 CONTROLLER
0018	D4	06/12/2009 23:00	06/13/2009 06:00	7.00	46.15	630.00	3410	FEEDWATER PUMP; REPAIR BOILER FEED PUMP OUTBOARD BEARING OIL LEAK.
0019	D1	07/01/2009 08:50	07/01/2009 09:00	0.17	98.97	32.17	9900	OPERATOR ERROR; CONTROLLER ENTRY ERROR.
0020	D1	07/15/2009 12:54	07/15/2009 13:04	0.17	98.97	32.17	1150	SECOND SUPERHEATER SLAGGING & FOULING; SUPER HEATER FOULING LIMITING ID FAN RESPONSE TO BOILER SWINGS.
0021	D1	07/15/2009 13:04	07/17/2009 23:20	58.27	8.72	990.53	1150	SECOND SUPERHEATER SLAGGING & FOULING; PLUGGED PENDANT SUPERHEATER.
0022	MO	07/17/2009 23:20	07/20/2009 13:15	61.92	100.00	12,073.75	1150	SECOND SUPERHEATER SLAGGING & FOULING; HYDROBLASTING PLUGGED PENDANT SUPERHEATER SECTION OF BOILER..
0023	NC	08/10/2009 13:00	08/10/2009 15:15	2.25	0.00	0.00	0250	PULVERIZER FEEDERS; FEEDER BELT SCRAPER BROKE LOOSE FROM MOUNT.
0024	RS	08/25/2009 16:59	08/31/2009 06:30	133.52	0.00	0.00	0000	RESERVE SHUTDOWN;
0025	MO	08/31/2009 06:30	09/05/2009 13:02	126.53	100.00	24,674.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); SHOOT UNIT 2 CONDENSER PER HEATRTE REVIEW RECOMMENDATIONS
0026	RS	09/05/2009 13:02	09/23/2009 23:38	442.60	0.00	0.00	0000	RESERVE SHUTDOWN;
0029	D1	09/24/2009 17:59	09/24/2009 18:20	0.35	99.49	12.93	1476	INDUCED DRAFT FAN SPEED CHANGER; SPEED CHANGER FAILED TO SWAP TO LOW SPEED.
0027	U1	09/24/2009 18:03	09/24/2009 19:24	1.35	100.00	263.25	9900	OPERATOR ERROR; TURBINE TRIPPED ON HIGH DRUM LEVEL.
0028	D4	09/26/2009 06:23	09/26/2009 09:33	3.17	56.41	348.33	1476	INDUCED DRAFT FAN SPEED CHANGER; CHANGE COIL IN 2B ID FAN SPEED CHANGER...
0030	D1	11/13/2009 17:40	11/13/2009 17:48	0.13	99.49	25.87	1476	INDUCED DRAFT FAN SPEED CHANGER; 2B ID FAN SPED CHANGER FAILED T TO GO TO LOW SPEED..
0031	RS	12/05/2009 15:34	12/17/2009 06:00	278.43	0.00	0.00	0000	RESERVE SHUTDOWN;
0032	MO	12/17/2009 06:00	12/19/2009 00:00	42.00	100.00	8,190.00	1493	AIR HEATER FOULING (REGENERATIVE); WASH AND AIR PREHEATERS AND OUTSIDE OF BOILER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	RS	12/19/2009 00:00	12/19/2009 17:20	17.33	0.00	0.00	0000	RESERVE SHUTDOWN;
0034	U1	12/22/2009 11:11	12/22/2009 11:37	0.43	100.00	84.50	3344	DEAERATOR (INCLUDING LEVEL CONTROL); SURGE TANK LEVEL TRANSMITTER ERRONEOUSLY RAN ABOVE THE TURBINE TRIP LEVEL.
0035	NC	12/31/2009 08:00	12/31/2009 09:22	1.37	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACE BELT SCRAPER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/02/2009 09:17	01/08/2009 23:25	158.13	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	01/09/2009 14:18	01/11/2009 21:25	55.12	0.00	0.00	0000	RESERVE SHUTDOWN
0003	D1	02/28/2009 07:00	02/28/2009 09:00	2.00	50.09	532.00	6141	HP DESUPERHEATER/ATTEMPERATORVALVES; 3A HP BYPASS SPRAY BLOCK VALVE D3HVM200 FAILED TO OPEN DUE TO FAULTY ACTUATOR.
0004	D4	03/12/2009 12:05	03/13/2009 01:47	13.70	51.04	3,712.70	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH 3B GT COMPRESSOR
0005	PD	03/13/2009 12:17	03/14/2009 00:43	12.43	51.04	3,369.43	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH 3A GT COMPRESSOR FOR PLANNED OUTAGE R-0 INSPECTION
0006	PO	03/14/2009 00:43	03/21/2009 15:57	183.23	100.00	97,296.90	5272	BOROSCOPE INSPECTION; PERFORM GE RECOMMENDED PERIODIC R0 COMPRESSOR BLADE INSPECTION.
0007	PD	03/21/2009 15:57	03/22/2009 20:30	28.55	52.92	8,022.55	5022	MAJOR COMPONENT WORKED DURING EVENT; BOILER, MISCELLANEOUS; MISC HRSG AND BALANCE OF PLANT INSPECTIONS AND REPAIRS
0008	D1	03/23/2009 09:35	03/23/2009 19:21	9.77	50.09	2,597.93	0710	COMPRESSOR LP BLADES/BUCKETS; GE BLENDING 3B GAS TURBINE R-0 COMPRESSOR BLADES DUE TO EROSION.
0009	RS	05/18/2009 22:52	05/19/2009 10:12	11.33	0.00	0.00	0000	BLOWDOWN SYSTEM PIPING; `B` HRSG HP EVAPORATOR DRAIN LINE RUPTURED.
0010	RS	05/22/2009 22:37	05/23/2009 07:01	8.40	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	05/23/2009 22:55	05/24/2009 06:54	7.98	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	05/25/2009 00:44	05/25/2009 07:43	6.98	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	05/25/2009 22:30	05/26/2009 06:00	7.50	0.00	0.00	0000	RESERVE SHUTDOWN
0014	D4	05/30/2009 00:01	05/30/2009 20:06	20.08	46.76	4,498.67	5261	GAS TURBINE COMPRESSOR WASHING; 3A GT COMPRESSOR OFFLINE WATER WASH.
0015	D4	05/31/2009 00:01	05/31/2009 20:02	20.02	46.76	4,483.73	5261	MAJOR COMPONENT WORKED DURING EVENT; BOILER, MISCELLANEOUS; MISC. STEAM LEAK REPAIRS ON HRSG DURING WATER WASH
								GAS TURBINE COMPRESSOR WASHING; 3B GT COMPRESSOR OFFLINE WATER WASH.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	06/09/2009 22:39	06/09/2009 22:59	0.33	47.81	76.33	3408	MAJOR COMPONENT WORKED DURING EVENT; BOILER, MISCELLANEOUS; MISC. STEAM LEAK REPAIRS ON HRSG DURING WATER WASH
0017	D1	06/11/2009 05:39	06/11/2009 06:00	0.35	47.81	80.15	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; A1 BOILER FEED PUMP SUPPLY BREAKER TRIPPED AND WOULD NOT RECLOSE.
0018	D1	06/11/2009 06:00	06/11/2009 07:00	1.00	47.81	229.00	9900	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; A1 BOILER FEED PUMP TRIPPED DUE TO AC LINE OVER VOLTAGE AND WOULD NOT RESTART . OPERATOR ERROR; `B` HR-436 BLOCK VALVE WAS CLOSED BY MISTAKE DURING GT-A SHUTDOWN. STEAMER SHUTDOWN.
0019	RS	07/01/2009 00:59	07/01/2009 06:58	5.98	0.00	0.00	0000	RESERVE SHUTDOWN
0020	RS	07/02/2009 00:29	07/02/2009 06:57	6.47	0.00	0.00	0000	RESERVE SHUTDOWN
0021	RS	07/04/2009 23:37	07/05/2009 06:27	6.83	0.00	0.00	0000	RESERVE SHUTDOWN
0022	RS	07/05/2009 23:16	07/06/2009 05:55	6.65	0.00	0.00	0000	RESERVE SHUTDOWN
0023	RS	07/09/2009 23:28	07/10/2009 06:03	6.58	0.00	0.00	0000	RESERVE SHUTDOWN
0024	RS	07/11/2009 00:16	07/11/2009 05:59	5.72	0.00	0.00	0000	RESERVE SHUTDOWN
0025	RS	07/12/2009 01:03	07/12/2009 07:07	6.07	0.00	0.00	0000	RESERVE SHUTDOWN
0026	RS	07/13/2009 00:55	07/13/2009 07:05	6.17	0.00	0.00	0000	RESERVE SHUTDOWN
0027	RS	07/20/2009 23:09	07/21/2009 06:05	6.93	0.00	0.00	0000	RESERVE SHUTDOWN
0028	RS	07/21/2009 23:33	07/22/2009 05:55	6.37	0.00	0.00	0000	RESERVE SHUTDOWN
0029	RS	07/22/2009 22:20	07/23/2009 06:33	8.22	0.00	0.00	0000	RESERVE SHUTDOWN
0030	RS	07/24/2009 01:02	07/24/2009 08:04	7.03	0.00	0.00	0000	RESERVE SHUTDOWN
0031	RS	07/26/2009 00:01	07/26/2009 05:59	5.97	0.00	0.00	0000	RESERVE SHUTDOWN
0032	RS	08/06/2009 23:30	08/07/2009 07:08	7.63	0.00	0.00	0000	RESERVE SHUTDOWN
0033	RS	08/08/2009 00:22	08/08/2009 06:58	6.60	0.00	0.00	0000	RESERVE SHUTDOWN
0034	RS	08/09/2009 00:02	08/09/2009 05:56	5.90	0.00	0.00	0000	RESERVE SHUTDOWN
0035	RS	08/09/2009 23:08	08/10/2009 05:58	6.83	0.00	0.00	0000	RESERVE SHUTDOWN
0036	RS	08/16/2009 00:14	08/16/2009 06:55	6.68	0.00	0.00	0000	RESERVE SHUTDOWN
0037	RS	08/22/2009 23:30	08/23/2009 06:53	7.38	0.00	0.00	0000	RESERVE SHUTDOWN
0038	RS	09/24/2009 22:42	09/25/2009 00:00	1.30	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0039	PO	09/25/2009 00:00	10/02/2009 20:30	188.50	100.00	90,291.50	5272	BOROSCOPE INSPECTION; BOROSCOPE INSPECTION OF COMPRESSOR R0 BLADES AND COMBUSTION HARDWARE ON GT-A AND GT-B.
0040	RS	10/02/2009 20:30	10/03/2009 04:38	8.13	0.00	0.00	0000	RESERVE SHUTDOWN
0041	D4	10/24/2009 23:03	10/25/2009 23:05	24.03	45.72	5,263.30	0550	REHEAT STEAM RELIEF/SAFETY VALVES; 3B HRSG REHEAT OUTLET SAFETY VALVE BLOWING THRU
0042	D1	12/10/2009 09:11	12/10/2009 14:19	5.13	50.09	1,365.47	3420	FEEDWATER PIPING AND SUPPORTS; 'A' HRSG BOILER FEED PUMP FLOW TRANSMITTER 1" SENSING LINE RUPTURED.
0043	MO	12/11/2009 23:05	12/12/2009 02:02	2.95	100.00	1,566.45	4200	OUTER CASING - LP TURBINE; RUPTURE DIAPHRAGM LEAKING - CHANGED BOTH DIAPHRAGMS
0044	U1	12/12/2009 03:32	12/12/2009 06:04	2.53	100.00	1,345.20	3150	HOT WELL LEVEL CONTROLS; CONDENSATE HOTWELL LEVEL TRANSMITTER FAILED DURING UNIT STARTUP

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	RS	01/01/2009 00:00	01/08/2009 07:00	175.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	MO	01/08/2009 07:00	01/09/2009 14:32	31.53	100.00	1,261.33	3650	DC INSTRUMENT POWER BATTERY CHARGERS; RETROFITTING CABINETS AND INSTALLING BATTERY CHARGER.
0003	RS	01/09/2009 14:32	01/13/2009 08:34	90.03	0.00	0.00	0000	RESERVE SHUTDOWN;
0004	RS	01/13/2009 09:11	02/06/2009 10:10	576.98	0.00	0.00	0000	RESERVE SHUTDOWN;
0005	RS	02/06/2009 11:08	02/19/2009 08:00	308.87	0.00	0.00	0000	RESERVE SHUTDOWN;
0006	MO	02/19/2009 08:00	02/19/2009 16:00	8.00	100.00	320.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); EXTERNAL BREAKER MAINTENANCE.
0007	RS	02/19/2009 16:00	02/25/2009 13:28	141.47	0.00	0.00	0000	RESERVE SHUTDOWN;
0008	RS	02/25/2009 14:06	04/09/2009 09:55	1026.82	0.00	0.00	0000	RESERVE SHUTDOWN;
0009	RS	04/09/2009 11:06	04/28/2009 13:00	457.90	0.00	0.00	0000	RESERVE SHUTDOWN;
0010	MO	04/28/2009 13:00	04/28/2009 17:19	4.32	100.00	138.13	5540	BATTERY AND CHARGER SYSTEM; LOAD TEST DC BATTERY BANK FOR NERC COMPLIANCE.
0011	RS	04/28/2009 17:19	07/01/2009 10:02	1528.72	0.00	0.00	0000	RESERVE SHUTDOWN;
0012	RS	07/01/2009 10:33	07/24/2009 07:00	548.45	0.00	0.00	0000	RESERVE SHUTDOWN;
0013	MO	07/24/2009 07:00	07/25/2009 22:30	39.50	100.00	1,264.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); GSU HIGH SIDE OCB REPLACEMENT.
0014	RS	07/25/2009 22:30	08/06/2009 11:30	277.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0015	U1	08/06/2009 11:30	08/07/2009 21:49	34.32	100.00	1,098.13	9910	MAINTENANCE PERSONNEL ERROR; GSU RELAY TRIPPED DUE TO C.TWIRING NOT PROPERLY INSTALLED BY SUB DEPT.
0016	RS	08/07/2009 22:23	08/11/2009 09:28	83.08	0.00	0.00	0000	RESERVE SHUTDOWN;
0017	RS	08/11/2009 09:48	10/06/2009 10:43	1344.92	0.00	0.00	0000	RESERVE SHUTDOWN;
0018	RS	10/06/2009 11:13	10/07/2009 06:32	19.32	0.00	0.00	0000	RESERVE SHUTDOWN;
0019	MO	10/07/2009 06:32	10/07/2009 14:21	7.82	100.00	250.13	3612	SWITCHYARD SYSTEM PROTECTION DEVICES-EXTERNAL (OMC); 115KV BUS ISOLATION FOR EQUIPMENT CHANGE OUT.
0020	RS	10/07/2009 17:29	10/28/2009 11:24	497.92	0.00	0.00	0000	RESERVE SHUTDOWN;
0021	RS	10/28/2009 12:17	11/08/2009 18:27	271.17	0.00	0.00	0000	RESERVE SHUTDOWN;
0022	RS	11/08/2009 19:10	11/19/2009 06:00	250.83	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0023	MO	11/19/2009 06:00	11/19/2009 17:00	11.00	100.00	440.00	5510	LUBE OIL SYSTEM; CT ENGINE PMS. CLEANED CUNO FILTERS. CLEANED FUEL STRAINER.
0024	RS	11/19/2009 17:00	12/17/2009 07:00	662.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0025	MO	12/17/2009 07:00	12/17/2009 15:00	8.00	100.00	320.00	5443	FUEL FILTERS; REPLACED WINDSLOW AND KEENE FUEL FILTER DRAIN VALVES.
0026	RS	12/17/2009 15:00	01/01/2010 00:00	345.00	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/11/2009 17:58	01/11/2009 20:45	2.78	20.78	295.03	0320	FOREIGN OBJECT IN PULVERIZER MILL; 1D MILL OFF TO REMOVE METAL FROM PYRITE CHUTE.
0002	RS	01/23/2009 13:53	02/04/2009 09:49	283.93	0.00	0.00	0000	RESERVE SHUTDOWN;
0004	U1	02/04/2009 10:02	02/04/2009 11:50	1.80	100.00	918.00	0340	OTHER PULVERIZER PROBLEMS; 1A MILL LOAD UNLOADED CAUSED BOILER TRIP ON START-UP. LOST PRI.
0003	RS	02/07/2009 19:37	02/22/2009 02:57	343.33	0.00	0.00	0000	RESERVE SHUTDOWN;
0005	U1	02/22/2009 03:13	02/22/2009 04:05	0.87	100.00	442.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; OPER TOOK UNIT OFF-LINE FOLLOWING FURNACE PSI BOILER TRIP.
0006	D1	02/23/2009 17:00	02/23/2009 17:14	0.23	11.76	14.00	9630	OPACITY; OPACITY LOAD LIMIT.
0008	D1	03/01/2009 09:49	03/03/2009 12:24	50.58	1.96	505.83	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; OPER CUT LOAD DUE TO #9 BEARING VIBRATION.
0007	RS	03/06/2009 15:52	04/02/2009 12:59	644.12	0.00	0.00	0000	RESERVE SHUTDOWN;
0027	PD	04/01/2009 00:00	05/01/2009 00:00	720.00	8.43	30,960.00	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0010	D1	04/09/2009 15:05	04/09/2009 20:30	5.42	23.53	417.08	0250	PULVERIZER FEEDERS; 1-A FEEDER BELT BROKE, REPLACED INKIND.
0011	D1	04/11/2009 11:45	04/11/2009 13:07	1.37	24.51	112.07	0250	PULVERIZER FEEDERS; 1-D FEEDER TRIP
0012	D1	04/15/2009 07:27	04/15/2009 08:29	1.03	99.61	480.50	3211	CIRCULATING WATER PUMP MOTORS; 1-B CIRC. WATER PUMP MOTOR SHORTED OUT AND TRIPPED.
							3662	CONTRIBUTED TO PRIMARY CAUSE; 4000-7000 VOLT CONDUCTORS AND BUSES; 1-B BUSS TRIPPED WHEN CIRC MOTER SHORTED OUT.
0013	D4	04/15/2009 12:00	04/15/2009 14:00	2.00	19.61	114.00	0340	OTHER PULVERIZER PROBLEMS; MAINT REPAIR 1-D MILL EXPLOSION DOOR.
0014	D4	04/17/2009 08:00	04/17/2009 08:45	0.75	4.90	0.00	0340	OTHER PULVERIZER PROBLEMS; MAINT REPLACED 1-E MILL EXPLOSION DOOR.
0015	D4	04/20/2009 12:30	04/20/2009 15:57	3.45	20.59	213.90	0310	PULVERIZER MILLS; MAINT REPLACED 1-E MILL SPRING ASSEMBLY.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D2	04/23/2009 09:00	04/23/2009 09:30	0.50	20.59	31.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; OPER INSPECT 1-E MILL SCRAPER SECTION.
0017	D4	04/29/2009 07:43	04/29/2009 08:16	0.55	40.20	89.10	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; MAINT. PLUGGED TEST PORT ON 1-A BFP DC OIL PUMP.
0028	PD	05/01/2009 00:00	06/01/2009 00:00	744.00	1.96	7,440.00	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0018	D1	05/08/2009 12:25	05/08/2009 16:00	3.58	15.69	250.83	0340	OTHER PULVERIZER PROBLEMS; B MILL DISCHARGE VALVES SHUT. MAINT. REPLACE SOLINOID TO VALVES.
0019	D1	05/09/2009 10:04	05/09/2009 12:45	2.68	10.59	118.07	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; HIGH VIBRATION ON #9 BRG LIMIT LOAD.
0022	PD	06/05/2009 08:54	06/08/2009 08:08	71.23	1.96	712.33	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0023	PD	06/12/2009 19:37	06/15/2009 09:21	61.73	5.88	1,852.00	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0020	U1	06/17/2009 04:48	06/17/2009 07:19	2.52	100.00	1,283.50	9900	OPERATOR ERROR; UNIT 1 DRUM LEVEL TRIP.
0031	PD	06/19/2009 20:47	06/21/2009 23:48	51.02	5.88	1,530.50	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB FOR INVENTORY CONTROL.
0021	D1	06/21/2009 17:48	06/21/2009 18:20	0.53	46.67	110.93	0742	BOILER RECIRCULATION PUMPS - MOTORS - COOLING SYSTEM; 1A BWCP TRIP ON HIGH COOLER TEMP AND LIMIT LOAD.
0047	PD	06/27/2009 03:25	06/29/2009 05:16	49.85	5.88	1,495.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0024	D1	06/29/2009 08:25	06/29/2009 09:45	1.33	6.86	46.67	3810	SERVICE WATER PUMPS AND MOTORS; LOAD LIMITED DUE TO ONE SERVICE WATER PUMP OPERATION, MAINT WORKING ON 1A.
0048	PD	07/04/2009 01:37	07/05/2009 22:35	44.97	5.88	1,349.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0025	D1	07/06/2009 05:02	07/06/2009 08:48	3.77	99.61	1,913.47	9250	LOW BTU COAL (OMC); BOILER/UNIT UPSET AND TRIP DURING TRANSITION FROM LOW BTU COAL TO HIGH BTU COAL.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0049	PD	07/11/2009 01:38	07/13/2009 04:23	50.75	5.88	1,522.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0050	PD	07/18/2009 08:41	07/20/2009 02:57	42.27	5.88	1,268.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0051	PD	07/25/2009 09:27	07/26/2009 20:12	34.75	7.84	1,390.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0052	PD	08/01/2009 02:14	08/02/2009 22:27	44.22	5.88	1,326.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0053	PD	08/08/2009 07:39	08/09/2009 21:05	37.43	5.88	1,123.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0054	PD	08/15/2009 01:10	08/17/2009 04:26	51.27	5.88	1,538.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0029	D1	08/19/2009 06:30	08/19/2009 10:00	3.50	5.88	105.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0030	D1	08/20/2009 16:23	08/21/2009 05:17	12.90	7.06	464.40	1710	COMBUSTION / STEAM CONDITION CONTROLS; ID FANS TOPPED OUT AND LIMIT LOAD.
0055	PD	08/22/2009 02:02	08/24/2009 02:40	48.63	5.88	1,459.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0056	PD	08/29/2009 00:22	08/30/2009 06:12	29.83	7.84	1,193.33	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0033	PD	09/01/2009 00:00	10/01/2009 00:00	720.00	1.76	6,480.00	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB FOR INVENTORY CONTROL
0034	D1	09/04/2009 11:30	09/04/2009 12:44	1.23	8.04	39.47	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); COAL LEAK ON TOP OF 1B MILL
							0270	CONTRIBUTED TO PRIMARY CAUSE; PRIMARY AIR DUCTS AND DAMPERS; WHEN PUTTING 1B MILL BACK IN SVC., HAD TROUBLE GETTING HOT AIR GATE OPEN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0035	D1	09/04/2009 13:56	09/04/2009 14:46	0.83	2.75	4.17	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); COAL LEAK ON 1B MILL
0032	D1	09/27/2009 10:45	09/27/2009 11:10	0.42	22.16	43.33	0250	PULVERIZER FEEDERS; WOOD IN 1D FEEDER CAUSED FEEDER TO TRIP. REMOVED WOOD FROM FEEDER AND PUT BACK IN SVC.
0036	MO	10/18/2009 23:55	10/19/2009 23:39	23.73	100.00	12,104.00	3521	HP EXTRACTION STEAM VALVES; #6 HEATER EXTRACTION CHECK VALVE LEAK REPAIR
							3661	MAJOR COMPONENT WORKED DURING EVENT; 4000-7000 VOLT CIRCUIT BREAKERS; SWAP OUT 4160 VOLT BKRS AND 480 VOLT BREAKERS.
0037	D1	10/24/2009 14:45	10/24/2009 15:43	0.97	20.59	101.50	0346	PULVERIZER PYRITE REMOVAL SYSTEM; E MILL OUT TO REPAIR BROKEN SCRAPER ARM.
0039	MO	11/05/2009 23:58	11/06/2009 06:20	6.37	100.00	3,247.00	4293	HYDRAULIC SYSTEM PIPES AND VALVES; MAINT REPAIRED EH FLUID LEAK AT #1 THROTTLE VALVE.
							3190	MAJOR COMPONENT WORKED DURING EVENT; AIR LEAKAGE (FOR LOSSES NOT ATTRIBUTED TO PREVIOUS NOTED EQUIP); REPAIRED CRACK ON NORTH WALL OF CONDENSER.
0040	D1	11/08/2009 12:35	11/08/2009 13:15	0.67	5.69	19.33	0250	PULVERIZER FEEDERS; 1A FEEDER TRIP. REMOVED ROCK FROM FEEDER.
0041	D1	11/13/2009 06:12	11/13/2009 07:30	1.30	11.76	78.00	0267	PRIMARY AIR FLOW INSTRUMENTATION; 1E MILL AIR FLOW TRANSMITTER PROBLEM AND EXPLOSION DOOR REPAIR.
							0340	CONTRIBUTED TO PRIMARY CAUSE; OTHER PULVERIZER PROBLEMS; EXPLOSION DOOR REPAIR
0042	D1	11/16/2009 21:07	11/16/2009 21:44	0.62	50.59	159.10	3211	CIRCULATING WATER PUMP MOTORS; 1B CCWP MOTOR TRIPPED. SHORT AT THE MOTOR TERMINATION CONNECTION BOX. REPLACED MOTOR
0043	RS	12/02/2009 23:05	12/20/2009 03:45	412.67	0.00	0.00	0000	RESERVE SHUTDOWN;
0044	D1	12/20/2009 17:20	12/20/2009 18:50	1.50	17.65	135.00	0250	PULVERIZER FEEDERS; 1E FEEDER FAIL TO START, MODULE BURNED UP. REPLACED INKIND.
0045	D1	12/25/2009 06:22	12/25/2009 07:00	0.63	13.73	44.33	9270	WET COAL (OMC); 1A FEEDER PLUGGED AND LIMIT LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0046	D1	12/31/2009 16:30	12/31/2009 19:40	3.17	11.76	190.00	0250	PULVERIZER FEEDERS; 1C FEEDER CLEAN-OUT CHAIN BROKE. MAINT REPAIRED CHAIN.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D1	01/08/2009 19:50	01/08/2009 21:50	2.00	18.82	192.00	0310	PULVERIZER MILLS; 2E MILL EXPLOSION DOOR REPLACEMENT.
0003	D1	01/13/2009 15:10	01/13/2009 16:26	1.27	99.22	640.93	1700	FEEDWATER CONTROLS (REPORT LOCAL CONTROLS WITH ITS COMPONENT CODES); FEEDWATER FLOW OUT THE TOP BOILER TRIP. TRANSMITTER FAIL.
0009	D1	01/15/2009 21:15	01/16/2009 01:55	4.67	46.47	1,106.00	3431	OTHER FEEDWATER VALVES; 2B BFP VALVE POSITIONER FAIL ON MIN. FLOW VALVE.
0010	D1	01/16/2009 07:33	01/16/2009 09:54	2.35	28.04	336.05	0250	PULVERIZER FEEDERS; 2E FEEDER TRIPPED SEVERAL TIMES AND LIMIT LOAD.
0004	RS	01/23/2009 23:46	02/03/2009 23:47	264.02	0.00	0.00	0000	RESERVE SHUTDOWN;
0006	D1	02/05/2009 05:11	02/05/2009 05:28	0.28	99.02	143.08	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2A ID FAN DAMPER FAIL CAUSED 2A ID FAN TRIP / BOILER TRIP
0007	U1	02/05/2009 05:28	02/05/2009 10:44	5.27	100.00	2,686.00	1480	OTHER INDUCED DRAFT FAN PROBLEMS; OPERATOR TRIP TURBINE AFTER 2A ID FAN DAMPER PROBLEM CAUSED BOILER TRIP.
0008	D1	02/05/2009 19:50	02/06/2009 01:25	5.58	18.24	519.25	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2A ID FAN DAMPER PROBLEM CONTINUE.
0005	RS	02/06/2009 23:50	02/15/2009 15:21	207.52	0.00	0.00	0000	RESERVE SHUTDOWN;
0011	D1	02/24/2009 04:30	02/24/2009 06:15	1.75	22.35	199.50	9630	OPACITY; HIGH OPACITY LOAD LIMIT.
0013	D1	03/01/2009 07:58	03/01/2009 10:35	2.62	5.88	78.50	9270	WET COAL (OMC); OPERATOR CUT LOAD DUE TO WET COAL.
0012	RS	03/06/2009 20:43	04/02/2009 04:53	631.17	0.00	0.00	0000	RESERVE SHUTDOWN;
0014	PD	04/02/2009 04:53	05/01/2009 00:00	691.12	8.24	28,936.60	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0015	U1	04/03/2009 11:53	04/03/2009 14:02	2.15	100.00	1,096.50	3330	CONDENSATE VALVES; CONDENSATE FLOW CONTROL VALVE BROKE, MAINT REPAIR.
0016	D1	04/12/2009 12:17	04/12/2009 20:17	8.00	28.63	832.00	0300	PULVERIZER MOTORS AND DRIVES; REPLACED WORM GEAR ON 2B MILL.
0017	D1	04/22/2009 08:00	04/22/2009 16:00	8.00	17.65	384.00	0335	PULVERIZER LUBE OIL SYSTEM; 2-B MILL OIL LEAK REPAIR.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0018	D4	04/24/2009 08:27	04/24/2009 12:15	3.80	22.94	285.00	0344	PULVERIZER INSPECTION; MAINT INSPECT 2-A MILL JOURNALS.
0019	D1	04/27/2009 20:22	04/27/2009 20:55	0.55	8.24	0.00	0250	PULVERIZER FEEDERS; 2-E FEEDER RUNBACK ON HIGH AMPS.
0020	D1	04/28/2009 07:03	04/28/2009 08:04	1.02	19.02	55.92	0270	PRIMARY AIR DUCTS AND DAMPERS; 2-E MILL HOT AIR GATE FAIL TO OPEN.
0021	D4	04/29/2009 08:58	04/29/2009 09:30	0.53	5.88	0.00	3299	OTHER CIRCULATING WATER SYSTEM PROBLEMS; HOLD LOAD TO INSPECT TAPROGEE SYSTEM (CONDENSER TUBE CLEANING SYSTEM).
0022	D1	04/29/2009 16:29	04/29/2009 16:42	0.22	1.96	0.00	0250	PULVERIZER FEEDERS; 2-A FEEDER RUNBACK ON HIGH AMPS.
0042	PD	05/01/2009 00:00	05/01/2009 23:28	23.47	11.18	1,337.60	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0023	D2	05/01/2009 14:13	05/01/2009 14:48	0.58	7.84	0.00	0310	PULVERIZER MILLS; MAINT INSPECT 2A AND 2B MILLS.
0024	MO	05/02/2009 00:01	05/29/2009 20:53	668.87	100.00	341,122.00	4212	BUCKETS OR BLADES - LP TURBINE; INSPECTION OF LP TURBINE DUE TO 4.5 MILL VIBRATION, LP BUCKETS/COVERS FOUND DAMAGED.
0043	PD	05/29/2009 20:53	06/01/2009 00:00	51.12	1.96	511.17	9250	MAJOR COMPONENT WORKED DURING EVENT; DIAPHRAGMS - LP TURBINE; DIAPHRAGMS ALSO DAMAGED BY BUCKET COVER COMING OFF.
0025	D1	06/02/2009 09:00	06/02/2009 09:17	0.28	6.86	9.92	9630	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0026	D1	06/02/2009 09:32	06/02/2009 09:38	0.10	7.84	4.00	1470	OPACITY; OPACITY SPIKES LIMIT LOAD.
0027	D1	06/02/2009 09:38	06/02/2009 10:16	0.63	16.67	53.83	9630	INDUCED DRAFT FAN MOTORS AND DRIVES; 2A ID FAN AMPS HIGH LIMIT LOAD.
0028	D2	06/04/2009 08:00	06/04/2009 10:20	2.33	6.86	81.67	0344	OPACITY; HIGH OPACITY LIMIT LOAD.
0029	D1	06/04/2009 12:50	06/04/2009 17:45	4.92	7.45	186.83	9630	PULVERIZER INSPECTION; D MILL OFF FOR MAINT.
0030	D1	06/04/2009 18:00	06/04/2009 20:39	2.65	6.86	92.75	9630	OPACITY; OPACITY LOAD LIMIT.
0031	D1	06/05/2009 20:00	06/05/2009 21:11	1.18	11.76	71.00	0250	PULVERIZER FEEDERS; 2C FEEDER PLUGGED
0033	PD	06/06/2009 10:13	06/07/2009 18:00	31.78	1.96	317.83	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0034	PD	06/13/2009 06:14	06/14/2009 17:59	35.75	5.88	1,072.50	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL.
0032	D1	06/25/2009 07:22	06/25/2009 07:37	0.25	60.78	77.50	0250	PULVERIZER FEEDERS; 2B FEEDER RUNBACK AND 2A FEEDER TRIP LIMIT LOAD.
0049	PD	06/27/2009 13:19	06/29/2009 03:02	37.72	5.88	1,131.50	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0071	PD	07/04/2009 02:45	07/05/2009 22:50	44.08	5.88	1,322.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0072	PD	07/11/2009 03:36	07/12/2009 23:57	44.35	5.88	1,330.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0035	D1	07/15/2009 18:39	07/15/2009 19:51	1.20	1.96	12.00	8760	OPACITY MONITOR PROBLEMS; OPACITY MONITOR FAIL READING HIGH, OPER LIMIT LOAD.
0036	D1	07/15/2009 19:51	07/15/2009 22:30	2.65	6.86	92.75	0250	PULVERIZER FEEDERS; 2D FEEDER BELT BROKE AND REPLACED.
0037	D1	07/16/2009 07:23	07/16/2009 09:18	1.92	28.43	277.92	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2A ID FAN INLET DRIVE UNIT HOT AND LIMIT LOAD.
0073	PD	07/18/2009 04:28	07/19/2009 19:55	39.45	5.88	1,183.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0074	PD	07/25/2009 08:15	07/26/2009 22:49	38.57	5.88	1,157.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0038	MO	07/30/2009 00:46	07/31/2009 20:27	43.68	100.00	22,278.50	1000	WATERWALL (FURNACE WALL); MAINT REPLACED (2) 90'S IN BOTTOM SECTION OF UNIT 2 BOILER
0039	D1	08/01/2009 08:31	08/01/2009 09:31	1.00	36.27	185.00	9630	OPACITY; OPACITY LOAD LIMIT.
0040	D1	08/01/2009 10:38	08/01/2009 11:42	1.07	23.73	129.07	9630	OPACITY; HIGH OPACITY LIMIT LOAD.
0075	PD	08/01/2009 22:03	08/02/2009 20:58	22.92	5.88	687.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0045	D1	08/05/2009 13:00	08/05/2009 18:51	5.85	12.35	368.55	0310	PULVERIZER MILLS; 2D MILL OUT TO MAINT FOR JOURNAL REPAIR.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0076	PD	08/08/2009 17:28	08/09/2009 08:53	15.42	3.92	308.33	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0046	D4	08/09/2009 00:19	08/09/2009 03:46	3.45	68.04	1,128.15	1457	INDUCED DRAFT FAN LUBRICATION SYSTEMS; MAINT REPAIR OIL LEAK ON 2B ID FAN.
0077	PD	08/14/2009 03:54	08/15/2009 00:57	21.05	1.96	210.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0078	PD	08/15/2009 00:57	08/15/2009 17:18	16.35	7.84	654.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0079	PD	08/15/2009 17:18	08/17/2009 01:16	31.97	3.92	639.33	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0047	D1	08/19/2009 10:45	08/19/2009 12:05	1.33	5.88	40.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; CONTROL AND PSI SWING LOAD LIMIT.
0080	PD	08/22/2009 08:13	08/23/2009 20:51	36.63	5.88	1,099.00	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0048	D1	08/25/2009 02:36	08/25/2009 06:30	3.90	44.51	885.30	3410	FEEDWATER PUMP; 2B BFP OUT TO MAINT.
0081	PD	08/28/2009 21:41	08/30/2009 21:36	47.92	5.88	1,437.50	9250	LOW BTU COAL (OMC); PLANNED BURN OF HIGHER BLEND OF PRB COAL FOR INVENTORY CONTROL
0054	PD	09/01/2009 00:00	10/01/2009 00:00	720.00	3.92	14,400.00	9250	LOW BTU COAL (OMC); BURNING HIGHER BLEND OF PRB FOR INVENTORY CONTROL
0050	D4	09/16/2009 05:00	09/16/2009 07:00	2.00	47.45	444.00	3410	FEEDWATER PUMP; 2B BFP LEAK REPAIR.
0051	D1	09/18/2009 11:20	09/18/2009 13:02	1.70	13.73	85.00	0250	PULVERIZER FEEDERS; 2B FEEDER TRIP. REMOVED CONCRETE FROM FEEDER.
0052	D4	09/22/2009 02:00	09/22/2009 05:30	3.50	47.45	777.00	3410	FEEDWATER PUMP; 2B BFP LEAK REPAIR BY MAINT.
0053	D1	09/23/2009 07:46	09/23/2009 12:23	4.62	12.16	193.90	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED PIECE OF METAL WEDGED UNDER ROLLER.
0055	D1	10/03/2009 10:45	10/03/2009 13:25	2.67	6.67	90.67	0250	PULVERIZER FEEDERS; REPLACED BROKEN 2B FEEDER BELT

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0056	D1	10/07/2009 12:13	10/07/2009 12:41	0.47	18.63	44.33	0250	PULVERIZER FEEDERS; 2E FEEDER WAS PLUGGED & TRIPPED B & C HAD PRB COAL WHICH LIMITED OUTPUT
0057	D4	10/09/2009 06:33	10/09/2009 07:47	1.23	2.94	18.50	0250	PULVERIZER FEEDERS; 2B FEEDER CALIBRATION
0058	U1	11/06/2009 05:14	11/10/2009 10:43	101.48	100.00	51,756.50	1030	BOILER SCREEN; ROUND STOCK ON REAR SCREEN TUBES CREATED A CRACK THAT RAN INTO THE TUBE.
0059	MO	11/10/2009 15:15	11/10/2009 15:58	0.72	100.00	365.50	4460	TURBINE OVERSPEED TRIP TEST; OVERSPEED TRIP TEST AND SET.
0060	D1	11/10/2009 19:20	11/10/2009 21:10	1.83	46.08	430.83	3410	FEEDWATER PUMP; 2B BOILER FEED PUMP PROBLEM.
0061	D1	11/11/2009 17:10	11/11/2009 18:04	0.90	99.61	457.20	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER TRIP DURING LOAD SWING IN AGC ON HIGH STEAM TEMP.
0067	D1	11/14/2009 10:15	11/14/2009 11:30	1.25	15.29	97.50	0250	PULVERIZER FEEDERS; FOUND PIECE OF CONCRETE IN 2A FEEDER.
0062	D1	11/14/2009 17:00	11/14/2009 17:18	0.30	16.08	24.60	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP.
0063	D2	11/14/2009 19:40	11/14/2009 19:57	0.28	17.45	25.22	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED SLEDGE HAMMER FROM 2A MILL.
0064	D2	11/15/2009 14:10	11/15/2009 14:32	0.37	15.69	29.33	0250	PULVERIZER FEEDERS; MAINT. INSPECT 2E FEEDER.
0065	D1	11/16/2009 06:24	11/16/2009 06:45	0.35	15.69	28.00	0250	PULVERIZER FEEDERS; 2F FEEDER TRIP.
0068	D1	11/17/2009 06:00	11/17/2009 07:20	1.33	15.69	106.67	0340	OTHER PULVERIZER PROBLEMS; REPLACED EXPLOSION DOOR ON 2E MILL
0066	U3	11/29/2009 09:45	11/30/2009 14:40	28.92	100.00	14,747.50	1030	BOILER SCREEN; SCREEN TUBE WELD STRESS CRACK WENT INTO TUBE.
0070	D1	12/18/2009 06:04	12/18/2009 16:00	9.93	8.82	447.00	0338	PULVERIZER CONTROL SYSTEMS (TEMPERATURE AND PRESSURE); CONTROL AIR DAMPER STUCK OPEN ON 2D MILL.
							0250	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER FEEDERS; REPLACED 2D FEEDER BELT.
0069	D1	12/29/2009 08:15	12/29/2009 17:15	9.00	15.10	693.00	0310	PULVERIZER MILLS; 2D MILL MAIN VERTICAL SHAFT BROKE.

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2010

Event Listing With All Reported Cause Codes

January 01, 2010 00:00 - January 01, 2011 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 4								
0001	RS	02/04/2010 00:27	02/09/2010 19:04	138.62	0.00	0.00	0000	RESERVE SHUTDOWN
0004	D1	03/03/2010 09:35	03/03/2010 14:21	4.77	32.00	114.40	3110	CONDENSER TUBE LEAKS; REMOVED "A" SIDE CONDENSER FROM SERVICE TO CHECK FOR TUBE LEAK
0002	NC	03/08/2010 04:00	03/15/2010 00:00	163.00	0.00	0.00	0345	PULVERIZER OVERHAUL; D MILL OUT FOR REBUILD
0003	RS	03/09/2010 23:49	04/23/2010 17:52	1073.05	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0005	RS	04/29/2010 22:56	06/10/2010 03:55	988.98	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN
0006	U1	06/10/2010 04:15	06/11/2010 09:40	29.42	100.00	2,206.25	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); UNIT TRIPPED DUE TO TURBINE LATCH MECHANISM FAILURE.
0007	D1	06/12/2010 13:54	06/12/2010 18:25	4.52	28.00	94.85	9660	THERMAL DISCHARGE LIMITS - FOSSIL; CANAL TEMPERATURES
0008	U1	06/14/2010 22:06	06/15/2010 04:05	5.98	100.00	448.75	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); WIRING TO TRIP SOLENOID SHORTED
0009	U1	06/16/2010 07:29	06/16/2010 11:13	3.73	100.00	280.00	9900	OPERATOR ERROR; THE OPERATOR MOVED THE MOUSE OVER THE MFT BUTTON WHILE THE ENTER KEY WAS PRESSED
0010	U1	06/16/2010 15:55	06/17/2010 01:25	9.50	100.00	712.50	1460	INDUCED DRAFT FAN FOULING; OFFLINE TO WASH ID FANS DUE TO VIBRATION
0011	D4	06/17/2010 17:45	06/18/2010 12:35	18.83	48.00	678.00	3110	CONDENSER TUBE LEAKS; TUBE LEAK
0012	NC	08/27/2010 22:00	09/06/2010 00:00	218.00	0.00	0.00	0095	BUNKER FLOW PROBLEMS; WET COAL, NFL WITH GAS AVAIL
0013	U1	09/05/2010 08:57	09/05/2010 10:23	1.43	100.00	107.50	9910	MAINTENANCE PERSONNEL ERROR; MAINTENANCE WAS WORKING ON FURNACE PRESS TAPS AND FIRES TRIPPED
0014	RS	09/25/2010 23:32	10/26/2010 07:44	728.20	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0015	RS	10/30/2010 08:10	12/07/2010 00:00	904.83	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0016	PO	12/07/2010 00:00	12/22/2010 00:00	360.00	100.00	27,000.00	4040	BEARINGS - HP TURBINE; PO FOR TURBINE BEARING INSPECTION

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	SE	12/22/2010 00:00	01/01/2011 00:00	240.00	100.00	18,000.00	4280	CONTRIBUTED TO PRIMARY CAUSE; LUBE OIL PUMPS; FOUND CRACKED HOUSING ON LUBE OIL PUMP DURING PLANNED INSPECTION LUBE OIL PUMPS; MAIN LUBE OIL PUMP REPAIRS

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Crist 5								
0001	D1	01/22/2010 12:15	01/22/2010 13:35	1.33	26.67	26.67	0310	PULVERIZER MILLS; D PULVERIZER OUT OF SERVICE AND NO GAS WAS AVAILABLE
0002	D1	02/14/2010 10:47	02/14/2010 11:24	0.62	72.00	33.30	0290	PULVERIZER REDUCED CAPACITY DUE TO WEAR; WET COAL CAUSED THE UNIT TO SWING AND THE FIRES TRIPPED
0003	D1	06/12/2010 13:54	06/12/2010 18:25	4.52	26.67	90.33	9660	THERMAL DISCHARGE LIMITS - FOSSIL; CANAL TEMPERATURES
0004	D4	06/18/2010 15:54	06/19/2010 02:29	10.58	46.67	370.42	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER TUBE LEAK
0005	D1	06/20/2010 13:16	06/20/2010 23:50	10.57	46.67	369.83	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0006	D4	07/11/2010 16:01	07/11/2010 23:02	7.02	40.00	210.50	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER LEAK
0007	D4	07/15/2010 02:49	07/15/2010 12:22	9.55	40.00	286.50	3110	CONDENSER TUBE LEAKS; TUBE LEAK IN A SIDE CONDENSER
0008	D4	07/18/2010 23:03	07/19/2010 15:24	16.35	46.67	572.25	3110	CONDENSER TUBE LEAKS; A SIDE TUBE LEAK
0010	D4	07/19/2010 23:23	07/20/2010 03:56	4.55	46.67	159.25	3110	CONDENSER TUBE LEAKS; A SIDE TUBE LEAK PLUGGED
0011	D1	08/25/2010 00:28	08/26/2010 13:24	36.93	6.67	184.67	8551	ELECTROSTATIC PRECIPITATOR FIELD OUT OF SERVICE; COLD SIDE PRECIP WOULD NOT STAY IN SERVICE
0012	NC	08/27/2010 22:00	09/06/2010 00:00	218.00	0.00	0.00	0095	BUNKER FLOW PROBLEMS; WET COAL, NFL WITH GAS AVAIL
0013	D4	09/03/2010 12:34	09/03/2010 18:53	6.32	40.00	189.50	3110	CONDENSER TUBE LEAKS; TUBE LEAK ON A SIDE CONDENSER
0014	D1	09/30/2010 16:29	09/30/2010 17:08	0.65	98.67	48.10	9910	MAINTENANCE PERSONNEL ERROR; I/C WORKING ON FURNACE TAPS AND FIRES TRIPPED
0015	D1	09/30/2010 19:55	09/30/2010 20:26	0.52	98.67	38.23	9900	OPERATOR ERROR; OPERATOR LOST SURGE TANK LEVEL AND THEN THE DRUM AND UNIT TRIPPED
0016	U1	09/30/2010 20:26	10/01/2010 03:48	7.37	100.00	552.50	9900	OPERATOR ERROR; LOST SURGE TANK LEVEL, THEN BFP AND UNIT TRIPPED DUE TO MFT ON DRUM LEVEL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0017	U1	10/01/2010 03:48	10/02/2010 03:13	23.42	100.00	1,756.25	3110	CONDENSER TUBE LEAKS; TUBE LEAK ON B SIDE CONDENSER
0018	U1	10/02/2010 03:13	10/03/2010 02:41	23.47	100.00	1,760.00	3681	OTHER VOLTAGE CIRCUIT BREAKERS; 2400 V BREAKER FAILED ON 5ABFP
0019	RS	10/03/2010 02:41	10/06/2010 17:51	87.17	0.00	0.00	0000	RESERVE SHUTDOWN; ON RS
0020	D4	10/07/2010 20:20	10/08/2010 04:19	7.98	46.67	279.42	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0021	D4	10/15/2010 06:01	10/15/2010 08:32	2.52	46.67	88.08	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0022	D4	10/20/2010 15:51	10/21/2010 08:09	16.30	46.67	570.50	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0023	D4	10/21/2010 10:26	10/22/2010 03:37	17.18	46.67	601.42	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0024	D4	10/22/2010 06:15	10/22/2010 12:21	6.10	46.67	213.50	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0025	U1	11/21/2010 00:46	11/21/2010 03:49	3.05	100.00	228.75	9900	OPERATOR ERROR; OPERATOR TRIPPED UNIT DURING VALVE TESTING
0026	D1	12/06/2010 07:30	12/06/2010 08:04	0.57	86.67	36.83	1400	FORCED DRAFT FANS; FD FAN DAMPER STUCK AND OPENED ABRUPTLY CAUSING AN MFT
0027	RS	12/06/2010 08:50	12/07/2010 00:00	15.17	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0028	PO	12/07/2010 00:00	12/22/2010 00:00	360.00	100.00	27,000.00	1510	FLUE GAS DUCTS (EXCEPT RECIRCULATION); PLANNED OUTAGE FOR DUCT REPAIRS
0029	PD	12/22/2010 00:00	01/01/2011 00:00	240.00	6.67	1,200.00	3210	CIRCULATING WATER PUMPS; A CIRCULATOR OUT FOR REBUILD
0030	RS	12/22/2010 00:00	01/01/2011 00:00	240.00	0.00	0.00	0000	RESERVE SHUTDOWN; ON RS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	RS	02/04/2010 13:44	02/05/2010 07:00	17.27	0.00	0.00	0000	RESERVE SHUTDOWN
0002	MO	02/05/2010 07:00	02/06/2010 15:00	32.00	100.00	9,312.00	1493	AIR HEATER FOULING (REGENERATIVE); MO TO WASH AIR HEATERS
0003	RS	02/06/2010 15:00	02/08/2010 23:28	56.47	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN
0004	D1	02/10/2010 17:30	02/10/2010 19:00	1.50	98.28	429.00	0256	SEAL AIR SYSTEM (AIR TO PULVERIZERS); LOST SEAL AIR TO MILLS AND FIRES TRIPPED
0005	D1	02/11/2010 15:26	02/11/2010 15:51	0.42	98.28	119.17	0256	SEAL AIR SYSTEM (AIR TO PULVERIZERS); LOST SEAL AIR TO MILLS AND TRIPPED FIRES
0006	RS	03/09/2010 22:06	04/02/2010 23:48	576.70	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0007	RS	04/08/2010 15:06	04/24/2010 18:49	387.72	0.00	0.00	0000	RESERVE SHUTDOWN; TURBINE GENERATOR RESERVE SHUTDOWN
0008	NC	04/26/2010 19:00	04/27/2010 10:40	15.67	0.00	0.00	0260	PRIMARY AIR FAN; 6A PA FAN VIBRATION NFL AVAIL WITH GAS
0009	NC	05/17/2010 18:52	05/18/2010 06:07	11.25	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 6D MILL PA MODIFICATIONS NFL WITH GAS AVAIL
0010	NC	05/18/2010 19:10	05/19/2010 05:48	10.63	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 6B MILL PA MODIFICATIONS NFL WITH GAS AVAIL
0011	NC	05/19/2010 19:22	05/20/2010 06:42	11.33	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 6C MILL PA MODIFICATIONS NFL WITH GAS AVAIL
0012	U1	05/26/2010 06:53	05/27/2010 15:16	32.38	100.00	9,423.55	1040	FIRST SUPERHEATER TUBE LEAKS; BOILER LEAK ON 5TH FLOOR
0013	U1	05/31/2010 20:35	06/02/2010 06:30	33.92	100.00	9,869.75	1040	FIRST SUPERHEATER TUBE LEAKS; SH TUBE LEAK
0014	U1	06/10/2010 05:02	06/10/2010 10:55	5.88	100.00	1,712.05	3810	SERVICE WATER PUMPS AND MOTORS; 6 "C" COOLING WATER PUMP FAILED,
							4289	CONTRIBUTED TO PRIMARY CAUSE; OTHER LUBE OIL SYSTEM PROBLEMS; UNIT REMOVED FROM SERVICE DUE TO HIGH TURBINE OIL TEMP
0015	MO	06/11/2010 23:20	06/13/2010 06:10	30.83	100.00	8,972.50	1040	FIRST SUPERHEATER TUBE LEAKS; BOILER LEAK IN SH
0016	D1	06/13/2010 18:05	06/13/2010 21:37	3.53	26.80	275.60	4630	LIQUID COOLING SYSTEM; HYDROGEN TEMPS RUNNING HIGH

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0017	D4	06/18/2010 05:07	06/18/2010 08:26	3.32	72.51	699.82	1400	FORCED DRAFT FANS; ID FAN DAMPER NEEDED ADJUSTMENT.
0018	U1	06/22/2010 17:09	06/24/2010 09:07	39.97	100.00	11,630.30	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK
0019	U1	06/24/2010 09:45	06/24/2010 12:52	3.12	100.00	906.95	9900	OPERATOR ERROR; THE OPERATOR DID NOT HAVE SH SPRAYS IN AUTO AND UNIT TRIPPED ON HIGH SH TEMP
0020	U1	06/28/2010 22:54	06/29/2010 14:25	15.52	100.00	4,515.35	1040	FIRST SUPERHEATER TUBE LEAKS; SH TUBE LEAK.
0021	MO	06/29/2010 14:25	06/30/2010 09:46	19.35	100.00	5,630.85	1040	FIRST SUPERHEATER TUBE LEAKS; INSPECTING BOILER FOR POTENTIAL LEAK AREAS
0022	U1	07/09/2010 18:36	07/10/2010 09:00	14.40	100.00	4,190.40	1040	FIRST SUPERHEATER TUBE LEAKS; SH TUBE LEAK
0023	MO	07/10/2010 09:00	07/10/2010 22:30	13.50	100.00	3,928.50	1040	FIRST SUPERHEATER TUBE LEAKS; BOILER INSPECTION IN PROBLEM AREAS TO IDENTIFY ANY ISSUES
0024	D1	07/30/2010 12:40	07/30/2010 18:45	6.08	3.44	60.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0025	D1	07/31/2010 09:40	08/01/2010 00:27	14.78	3.44	147.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0026	D1	08/01/2010 08:10	08/01/2010 21:57	13.78	3.44	137.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0027	D1	08/03/2010 14:00	08/03/2010 16:40	2.67	3.44	26.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0028	NC	08/03/2010 16:18	08/07/2010 20:35	100.28	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; 6A MILL GEARBOX FAILED NFL AVAIL WITH GAS
0030	D1	08/06/2010 11:23	08/06/2010 15:55	4.53	3.44	45.33	1455	INDUCED DRAFT FANS; ID FANS DAMPERS MAXED OUT
0029	U1	08/08/2010 00:14	08/08/2010 01:02	0.80	100.00	232.80	9900	OPERATOR ERROR; TURBINE TRIPPED DUE TO OPERATOR ERROR DURING VALVE TEST
0031	D1	08/08/2010 09:12	08/09/2010 03:48	18.60	3.44	186.00	1455	INDUCED DRAFT FANS; ID FANS DAMPERS MAXED OUT
0032	D1	08/09/2010 08:30	08/09/2010 23:13	14.72	3.44	147.17	1455	INDUCED DRAFT FANS; ID FANS DAMPERS MAXED OUT
0033	D1	08/10/2010 09:15	08/10/2010 22:32	13.28	3.44	132.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0034	D1	08/12/2010 10:45	08/12/2010 22:30	11.75	3.44	117.50	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0035	D1	08/15/2010 12:00	08/15/2010 21:52	9.87	3.44	98.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0036	D1	08/16/2010 10:20	08/16/2010 22:50	12.50	3.44	125.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0037	D1	08/17/2010 11:20	08/17/2010 19:00	7.67	3.44	76.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0038	D4	08/18/2010 01:00	08/18/2010 03:50	2.83	56.01	461.83	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); B SIDE CONDENSER OUT OF SERVICE FOR INSPECTION OF CLEANING SYSTEM
0039	D1	08/18/2010 08:48	08/18/2010 22:00	13.20	3.44	132.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0040	D1	08/19/2010 15:10	08/19/2010 22:00	6.83	3.44	68.33	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0041	NC	08/19/2010 21:40	08/20/2010 08:26	10.77	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; A MILL OUT OF SERVICE DUE TO METAL IN IT
0042	D1	08/20/2010 10:00	08/20/2010 22:00	12.00	3.44	120.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0043	D1	08/21/2010 16:30	08/21/2010 23:33	7.05	3.44	70.50	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0044	D1	08/22/2010 09:00	08/22/2010 22:45	13.75	3.44	137.50	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0045	D1	08/23/2010 08:05	08/23/2010 22:06	14.02	3.44	140.17	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FAN
0046	D1	08/24/2010 16:00	08/24/2010 22:00	6.00	3.44	60.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FAN
0047	D1	08/25/2010 10:00	08/25/2010 23:00	13.00	3.44	130.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FAN
0048	D1	08/26/2010 07:15	08/26/2010 22:25	15.17	3.44	151.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FAN
0049	D1	08/27/2010 09:00	08/27/2010 22:01	13.02	3.44	130.17	1455	INDUCED DRAFT FANS; RUNNING OUT OF FANS
0050	D1	08/28/2010 11:10	08/28/2010 22:00	10.83	3.44	108.33	1455	INDUCED DRAFT FANS; RUNNING OUT OF FANS
0051	D1	08/29/2010 08:30	08/29/2010 22:00	13.50	3.44	135.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF FANS
0052	D1	08/30/2010 07:45	08/30/2010 22:00	14.25	3.44	142.50	1455	INDUCED DRAFT FANS; RUNNING OUT OF FANS
0053	NC	08/31/2010 14:30	09/02/2010 22:12	55.70	0.00	0.00	0260	PRIMARY AIR FAN; 6A PA FAN HAS A BENT SHAFT

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0054	D1	09/02/2010 13:20	09/02/2010 22:12	8.87	3.44	88.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0055	D1	09/03/2010 13:12	09/03/2010 22:18	9.10	3.44	91.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0056	D1	09/04/2010 10:30	09/04/2010 22:00	11.50	3.44	115.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0059	U1	09/05/2010 04:07	09/05/2010 05:08	1.02	100.00	295.85	9900	OPERATOR ERROR; SH TEMP WENT HIGH AND UNIT TRIPPED WHEN FEEDER PLUGGED
0057	D1	09/05/2010 19:30	09/05/2010 23:00	3.50	3.44	35.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0058	D1	09/06/2010 09:45	09/06/2010 21:56	12.18	3.44	121.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0060	D1	09/07/2010 09:00	09/07/2010 21:54	12.90	3.44	129.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0061	D1	09/08/2010 09:00	09/08/2010 18:10	9.17	3.44	91.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0062	D1	09/09/2010 08:30	09/09/2010 21:50	13.33	3.44	133.33	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0063	D1	09/10/2010 07:30	09/10/2010 22:10	14.67	3.44	146.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0064	D1	09/11/2010 09:50	09/11/2010 22:00	12.17	3.44	121.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0065	D1	09/12/2010 07:54	09/12/2010 23:31	15.62	3.44	156.17	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0068	D1	09/13/2010 08:00	09/13/2010 21:55	13.92	3.44	139.17	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0069	D1	09/14/2010 08:00	09/14/2010 22:21	14.35	3.44	143.50	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0070	D1	09/15/2010 07:10	09/15/2010 12:31	5.35	3.44	53.33	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0066	U1	09/15/2010 12:30	09/16/2010 17:00	28.50	100.00	8,293.50	1040	FIRST SUPERHEATER TUBE LEAKS; TUBE LEAK
0067	MO	09/16/2010 17:00	09/16/2010 22:30	5.50	100.00	1,600.50	0920	OTHER SLAG AND ASH REMOVAL PROBLEMS; OUTAGE TO REMOVE CLINKERS
0071	D1	09/17/2010 07:30	09/17/2010 22:22	14.87	3.44	148.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS

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0072	D1	09/18/2010 11:30	09/18/2010 22:29	10.98	3.44	109.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0073	D1	09/19/2010 14:40	09/19/2010 21:41	7.02	3.44	70.17	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0074	D1	09/20/2010 08:00	09/20/2010 22:00	14.00	3.44	140.00	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0075	D1	09/21/2010 09:30	09/21/2010 23:20	13.83	3.44	138.33	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0076	D1	09/22/2010 07:25	09/22/2010 22:12	14.78	3.44	147.83	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0077	D1	09/23/2010 07:30	09/23/2010 16:40	9.17	3.44	91.67	1455	INDUCED DRAFT FANS; RUNNING OUT OF ID FANS
0078	RS	09/26/2010 09:26	09/27/2010 07:00	21.57	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0079	MO	09/27/2010 07:00	09/30/2010 01:00	66.00	100.00	19,206.00	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATER WASH
0080	RS	09/30/2010 01:00	10/02/2010 20:24	67.40	0.00	0.00	0000	RESERVE SHUTDOWN; ON RS
0081	U1	10/06/2010 16:52	10/06/2010 22:03	5.18	100.00	1,508.35	4810	GENERATOR OUTPUT BREAKER; RELAY ON HIGH SIDE BREAKER FAILED
0082	RS	10/07/2010 13:00	10/08/2010 12:00	23.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0083	MO	10/08/2010 12:00	10/09/2010 12:00	24.00	100.00	6,984.00	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATER WASH
0084	RS	10/09/2010 12:00	11/10/2010 13:27	770.45	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0085	D1	11/12/2010 04:35	11/12/2010 06:00	1.42	89.69	369.75	9900	OPERATOR ERROR; MFT DUE TO OPERATOR OVERFILLING MILL WHEN WASHING PYRITES
0086	RS	11/12/2010 20:05	12/05/2010 05:58	537.88	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0087	D1	12/05/2010 10:15	12/05/2010 10:51	0.60	93.13	162.60	0310	PULVERIZER MILLS; MILL LOADED UP AND MFT DUE TO TEMP
0088	U1	12/05/2010 14:27	12/05/2010 16:00	1.55	100.00	451.05	0310	PULVERIZER MILLS; MILL LOADED UP AND TEMP GAVE MFT AND DRUM LEVEL TRIPPED UNIT
0089	U1	12/19/2010 18:15	12/21/2010 05:31	35.27	100.00	10,262.60	1080	ECONOMIZER TUBE LEAKS; BOILER LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0005	D1	01/06/2010 10:00	01/06/2010 11:07	1.12	47.74	247.90	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; ID FAN TRIPPED DUE TO LOW OIL PRESSURE
0006	NC	01/06/2010 17:30	01/06/2010 19:10	1.67	0.00	0.00	0335	PULVERIZER LUBE OIL SYSTEM; MILL TRIPPED DUE TO A BAD LOW OIL LEVEL SWITCH. NFL WITH GAS AVAIL
0001	U1	01/12/2010 12:17	01/13/2010 15:40	27.38	100.00	12,733.25	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; LEAK IN A HYDROGEN LINE
0002	U1	01/14/2010 02:01	01/14/2010 08:14	6.22	100.00	2,890.75	1455	INDUCED DRAFT FANS; ID FAN TRIPPED DUE TO HIGH SUCTION PRESSURE
0003	D1	01/15/2010 01:18	01/21/2010 21:45	164.45	51.83	39,222.75	0263	PRIMARY AIR FAN DRIVES; A PA FAN MOTOR FAILED
0004	U1	01/21/2010 13:00	01/21/2010 14:42	1.70	100.00	790.50	0267	PRIMARY AIR FLOW INSTRUMENTATION; UNIT TRIPPED DUE TO BAD QUALITY ON PA FLOW TRANSMITTER
0009	NC	01/25/2010 19:00	01/25/2010 22:54	3.90	0.00	0.00	0310	PULVERIZER MILLS; 7C MILL OUT TO REMOVE METAL. NFL WITH SUPPORT FUEL
0007	NC	02/06/2010 03:00	02/07/2010 18:30	39.50	0.00	0.00	0310	PULVERIZER MILLS; 7E MILL INSPECTION DUE TO POOR FINENESS. NFL WITH SUPPORT FUEL
0008	NC	02/08/2010 12:48	02/08/2010 13:57	1.15	0.00	0.00	0255	PULVERIZER FEEDER COAL SCALES; 7E MILL FEEDER OUT FOR CALIBRATION. NFL WITH SUPPORT FUEL
0010	NC	02/20/2010 00:00	02/21/2010 10:00	34.00	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 7D MILL OFFLINE TO REPAIR EXPANSION JOINT, NFL WITH SUPPORT FUEL
0011	NC	02/20/2010 13:15	02/21/2010 08:30	19.25	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN 7B MILL, NFL WITH SUPPORT FUEL
0012	NC	02/26/2010 14:45	02/26/2010 15:18	0.55	0.00	0.00	8415	LIQUID LEVEL CONTROLS; SCRUBBER TRIPPED WHILE CALIBRATING THE LEVEL CONTROL
0015	NC	03/01/2010 11:05	03/01/2010 12:10	1.08	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 7A PULVERIZER OUT OF SERVICE TO REPAIR DUCTWORK NFL AVAIL WITH SUPPORT FUEL
0013	NC	03/02/2010 03:04	03/09/2010 14:16	179.20	0.00	0.00	8199	OTHER SCRUBBER PROBLEMS; A & B RAW WATER PUMPS FAILED AND THE SCRUBBER CAME OFFLINE
0014	D1	03/10/2010 12:04	03/10/2010 19:13	7.15	46.24	1,537.25	1455	INDUCED DRAFT FANS; B ID FAN TRIPPED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	03/11/2010 16:30	03/11/2010 19:38	3.13	31.18	454.33	1455	INDUCED DRAFT FANS; 7A ID FAN BEARING VIBRATION
0017	D4	03/18/2010 11:41	03/18/2010 14:14	2.55	46.24	548.25	1455	INDUCED DRAFT FANS; 7B ID FAN OUT OF SERVICE, I & C WORKING ON THE VIBRATION PROBES
0018	D1	03/31/2010 17:21	04/06/2010 16:40	143.32	36.13	10,684.80	1455	INDUCED DRAFT FANS; REMOVED 7"A" I.D. FAN FROM SERVICE DUE TO HIGH VIBRATION
0019	MO	04/03/2010 08:57	04/07/2010 11:12	98.25	100.00	45,686.25	1455	INDUCED DRAFT FANS; REMOVED UNIT FROM SERVICE TO REPAIR 7"A" I. D. FAN
0021	NC	04/08/2010 13:23	04/09/2010 19:43	30.33	0.00	0.00	8415	LIQUID LEVEL CONTROLS; SCRUBBER OFFLINE
0020	D1	04/19/2010 07:28	04/19/2010 15:53	8.42	36.13	1,414.00	1455	INDUCED DRAFT FANS; 7A ID FAN BINDING
0022	D4	05/25/2010 23:50	05/26/2010 02:25	2.58	44.09	529.58	3112	CONDENSER TUBE FOULING TUBE SIDE; A SIDE OOS FOR INSPECTION WOULD NOT ISOLATE
0023	D4	05/26/2010 06:32	05/26/2010 09:53	3.35	44.09	686.75	3112	CONDENSER TUBE FOULING TUBE SIDE; A SIDE OOS FOR INSPECTION WOULD NOT ISOLATE
0024	D4	05/28/2010 00:20	05/28/2010 04:30	4.17	44.09	854.17	3112	CONDENSER TUBE FOULING TUBE SIDE; A SIDE OOS FOR INSPECTION WOULD NOT ISOLATE
0025	D1	05/29/2010 00:30	05/29/2010 03:20	2.83	44.09	580.83	3110	CONDENSER TUBE LEAKS; B SIDE OOS FOR LEAK INSPECTION
0026	D1	05/29/2010 03:38	05/29/2010 05:30	1.87	44.09	382.67	3110	CONDENSER TUBE LEAKS; A SIDE OOS FOR LEAK INSPECTION
0027	D1	05/29/2010 07:40	05/29/2010 22:23	14.72	44.09	3,016.92	3110	CONDENSER TUBE LEAKS; B SIDE OOS FOR LEAK INSPECTION
0028	D1	05/29/2010 23:10	05/30/2010 18:28	19.30	44.09	3,956.50	3110	CONDENSER TUBE LEAKS; B SIDE OOS FOR LEAK INSPECTION
0029	D1	05/30/2010 18:44	06/01/2010 11:25	40.68	44.09	8,340.08	3110	CONDENSER TUBE LEAKS; B SIDE OOS FOR LEAK INSPECTION
0030	D1	05/31/2010 17:28	05/31/2010 23:11	5.72	51.83	205.80	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 7B BFP CONTROL VALVE FAILURE
0033	D1	06/28/2010 08:19	06/28/2010 12:07	3.80	41.94	741.00	1455	INDUCED DRAFT FANS; ID FAN DAMPER WENT OPEN AND TRIPPED FAN ON SUCTION PRESS
0031	U1	07/11/2010 16:56	07/12/2010 16:30	23.57	100.00	10,958.50	3210	CIRCULATING WATER PUMPS; B CIRCULATOR PUMP SHAFT BROKEN
0032	D1	07/12/2010 16:30	07/29/2010 20:15	411.75	25.81	49,410.00	3210	CIRCULATING WATER PUMPS; B CIRCULATOR SHAFT BROKEN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0034	D1	08/15/2010 11:50	08/15/2010 14:05	2.25	2.15	22.50	1455	INDUCED DRAFT FANS; ID FAN SUCTION PRESSURE IS CLOSE TO TRIP POINT
0035	D1	08/15/2010 17:10	08/15/2010 21:52	4.70	2.15	47.00	1455	INDUCED DRAFT FANS; ID FAN SUCTION PRESSURE IS CLOSE TO TRIP POINT
0036	D1	08/16/2010 09:30	08/16/2010 22:54	13.40	2.15	134.00	1455	INDUCED DRAFT FANS; ID FAN SUCTION PRESSURE IS CLOSE TO TRIP POINT
0037	D4	08/18/2010 00:00	08/18/2010 03:30	3.50	46.67	759.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); B SIDE CONDENSER OUT FOR INSPECTION
0038	NC	08/21/2010 21:30	08/21/2010 23:15	1.75	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; DEBRIS IN A MILL, NFL WITH GAS AVAIL
0039	U1	08/22/2010 14:17	08/22/2010 22:32	8.25	100.00	3,836.25	3210	CIRCULATING WATER PUMPS; B CIRCULATOR SHAFT BROKE
0040	D1	08/22/2010 22:32	09/07/2010 06:18	367.77	19.35	33,099.00	3210	CIRCULATING WATER PUMPS; B CIRCULATOR SHAFT BROKE
0041	D1	09/03/2010 11:15	09/03/2010 14:15	3.00	37.63	255.00	0270	PRIMARY AIR DUCTS AND DAMPERS; A PA FAN DAMPER LINKAGE BROKE
0042	U1	09/21/2010 11:58	09/21/2010 15:06	3.13	100.00	1,457.00	0570	OTHER REHEAT STEAM PROBLEMS; REHEAT DRAIN LINE RUPTURED
0043	PD	12/16/2010 07:11	01/01/2011 00:00	376.82	2.15	3,768.17	3210	CIRCULATING WATER PUMPS; A CWP TAKEN OUT OF SERVICE BEFORE THE PLANNED OUTAGE DUE TO LONG LEAD TIME REPAIR
0044	NC	12/29/2010 02:28	12/29/2010 08:18	5.83	0.00	0.00	8272	SCRUBBER BOOSTER F.D. FAN VIBRATION (FAN SPECIFIC TO THE SCRUBBER); A BOOSTER FAN TRIPPED DUE TO VIBRATION

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 1								
0001	RS	01/01/2010 00:00	01/03/2010 01:05	49.08	0.00	0.00	0000	RESERVE SHUTDOWN
0002	RS	01/18/2010 07:24	02/27/2010 14:45	967.35	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN
0003	U1	03/12/2010 06:50	03/12/2010 19:08	12.30	100.00	565.80	1475	INDUCED DRAFT FAN CONTROLS; PROBLEM ASSOCIATED WITH TRANSMITTER FOR ID FAN CONTROLS
0004	RS	03/13/2010 01:34	04/27/2010 07:00	1084.43	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY
0005	MO	04/27/2010 07:00	04/28/2010 17:00	34.00	100.00	1,564.00	1810	OTHER BOILER INSPECTIONS; BOILER INTERNAL INSPECTION (ECONOMIZER AND SUPERHEATER TUBES)
0006	RS	04/28/2010 17:00	06/21/2010 22:16	1301.27	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0007	RS	06/30/2010 04:08	07/11/2010 14:30	274.37	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY
0008	RS	08/17/2010 14:24	09/25/2010 00:00	921.60	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY
0009	PO	09/25/2010 00:00	10/03/2010 22:41	214.68	100.00	9,875.43	1810	OTHER BOILER INSPECTIONS; BOILER PLANNED OUTAGE
0010	RS	10/03/2010 22:41	12/11/2010 19:18	1653.62	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	12/16/2010 15:52	01/01/2011 00:00	368.13	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HR. STANDBY)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2010 00:00	01/03/2010 12:00	60.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	SF	01/03/2010 12:00	01/04/2010 15:24	27.40	100.00	1,260.40	1100	WATERWALL (FURNACE WALL); START UP FAILURE DUE TO WATER WALL TUBE LEAK
0003	RS	01/18/2010 07:16	02/27/2010 15:10	967.90	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RESERVE SHUTDOWN
0004	RS	03/12/2010 12:29	04/17/2010 15:24	865.92	0.00	0.00	0000	RESERVE SHUTDOWN
0005	RS	04/18/2010 13:09	04/28/2010 07:00	233.85	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0006	MO	04/28/2010 07:00	04/30/2010 18:15	59.25	100.00	2,725.50	1810	OTHER BOILER INSPECTIONS; INSPECT BOILER INTERNALS (ECONOMIZER AND SUPERHEATER TUBES)
0007	RS	04/30/2010 18:15	06/21/2010 19:50	1249.58	0.00	0.00	0000	RESERVE SHUTDOWN
0008	RS	06/30/2010 13:29	07/11/2010 12:44	263.25	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY
0009	D1	07/20/2010 13:00	07/20/2010 14:15	1.25	6.52	3.75	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OUTPUT LIMITED ON C PRECIPITATOR TO 1/2 OF NORMAL
0010	D1	07/21/2010 12:00	07/21/2010 14:30	2.50	8.70	10.00	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; C PRECIPITATOR CABINET OUTPUT LIMIT TO 1/2 CAPACITY
0011	D1	07/22/2010 12:15	07/22/2010 15:01	2.77	4.35	5.53	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OPACITY PROBLEMS ASSOCIATED WITH C PRECIPITATOR CABINET
0012	D1	07/25/2010 11:08	07/25/2010 23:00	11.87	10.87	59.33	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; C PRECIPITATOR WILL NOT STAY INSERVICE AT ELEVATED LOADS
0013	U1	07/27/2010 12:20	07/27/2010 13:04	0.73	100.00	33.73	4700	GENERATOR VOLTAGE CONTROL; MALFUNCTION OF AMPLIDYNE WHEN PLACING IN SERVICE
0014	D1	07/28/2010 12:30	07/28/2010 14:31	2.02	21.74	20.17	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OPACITY LIMITS BEING EXCEEDED DUE TO C PRECIPITATOR OUT OF SERVICE
0015	U1	07/28/2010 14:31	07/28/2010 14:43	0.20	100.00	9.20	4700	GENERATOR VOLTAGE CONTROL; MALFUNCTION OF AMPLIDYNE WHEN PLACING IN SERVICE

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	07/28/2010 16:15	07/28/2010 22:13	5.97	26.09	71.60	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OPACITY ISSUES DUE TO D PRECIPITATOR CABINET TRIPPING
0017	D1	07/29/2010 10:00	07/29/2010 23:22	13.37	26.09	160.40	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OPACITY BEING EXCEEDED BECAUSE OF C PRECIPITATOR NOT STAYING IN SERVICE
0018	MO	07/30/2010 20:29	08/02/2010 00:41	52.20	100.00	2,401.20	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; OPACITY ISSUES WITH PRECIPITATORS. WASHING PRECIPITATORS TO INSPECT PRECIPITATORS
0019	RS	08/17/2010 13:17	12/11/2010 20:54	2792.62	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HR. STANDBY
0020	RS	12/16/2010 17:01	01/01/2011 00:00	366.98	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HOUR STANDBY)

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D1	01/12/2010 21:20	01/13/2010 02:30	5.17	59.88	501.17	3110	CONDENSER TUBE LEAKS; NORTH SIDE CONDENSER TUBE LEAK
0002	D1	01/13/2010 08:32	01/14/2010 01:00	16.47	59.88	1,597.27	3110	CONDENSER TUBE LEAKS; NORTH SIDE CONDENSER TUBE LEAK.
0003	D1	01/28/2010 05:01	01/28/2010 11:57	6.93	35.19	395.20	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVE TRAMP IRON FROM 1 B PULVERIZER
0004	D1	02/06/2010 16:07	02/06/2010 18:50	2.72	18.52	81.50	9270	WET COAL (OMC); WET COAL
0005	D1	02/12/2010 12:34	02/13/2010 00:22	11.80	8.64	165.20	9270	WET COAL (OMC); WET COAL
0006	D1	02/13/2010 03:48	02/13/2010 07:30	3.70	7.41	44.40	9270	WET COAL (OMC);
0008	D1	03/30/2010 05:59	03/30/2010 06:34	0.58	99.38	93.92	1476	INDUCED DRAFT FAN SPEED CHANGER; 1A ID FAN BREAKER WOULD NOT RECLOSE AFTER SPEEDCHANGER OPERATION
0009	NC	04/04/2010 17:11	04/04/2010 19:15	2.07	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED LARGE STONE FROM 1D PULVERIZER
0010	NC	04/05/2010 13:09	04/05/2010 14:00	0.85	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED LARGE STONE FROM 1D MILL
0011	MO	04/14/2010 22:32	04/26/2010 09:00	274.47	100.00	44,463.60	1350	OTHER TUBE PROBLEMS; REPAIR BOILER TUBES (WATER WALL) DUE TO INADEQUATE THICKNESS
0012	SF	04/26/2010 09:00	04/27/2010 03:38	18.63	100.00	3,018.60	4260	MAIN STOP VALVES; TURBINE THROTTLE (MAIN STOP) VALVES WOULD NOT OPEN
0013	D1	05/19/2010 11:47	05/19/2010 12:37	0.83	99.38	134.17	1476	INDUCED DRAFT FAN SPEED CHANGER; 1-B INDUCED DRAFT FAN TRIPPED DURING A SPEED CHANGE OPERATION CAUSING A BOILER TRIP.
0014	D4	06/16/2010 02:00	06/16/2010 06:20	4.33	17.28	121.33	0310	PULVERIZER MILLS; REPLACING WORN MILL ROLLS IN 1-C PULVERIZER.
0015	D4	06/24/2010 02:00	06/24/2010 06:00	4.00	17.28	112.00	0310	PULVERIZER MILLS; REPLACE WORN MILL ROLLS IN 1-B PULVERIZER.
0016	D4	06/27/2010 04:26	06/27/2010 07:16	2.83	17.28	79.33	0344	PULVERIZER INSPECTION; MILL INSPECTION PERFORMED ON 1-D PULVERIZER.
0017	D1	06/27/2010 12:40	06/27/2010 13:15	0.58	17.28	16.33	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK ON THE RIGHT REAR COAL PIPE OF 1-D PULVERIZER.
0018	D4	06/30/2010 03:00	06/30/2010 06:35	3.58	17.28	100.33	0310	PULVERIZER MILLS; REPLACED MILL ROLLS ON 1-D PULVERIZER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0019	U1	07/11/2010 01:08	07/11/2010 02:05	0.95	100.00	153.90	9900	OPERATOR ERROR; TURBINE TRIPPED DURING WEEKLY TRIP TEST DUE TO OPERATOR ERROR.
0020	D1	07/20/2010 08:08	07/20/2010 08:14	0.10	96.91	15.70	9910	MAINTENANCE PERSONNEL ERROR; 1-B ID FAN TRIPPED DURING A DC GROUND SEARCH BY ELECTRICIAN.
0021	U1	07/20/2010 08:14	07/20/2010 10:13	1.98	100.00	321.30	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TURBINE TRIPPED DUE TO TWIP DEVICE OPERATION.
0022	D1	07/20/2010 18:37	07/20/2010 19:16	0.65	29.01	30.55	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); PATCHED A COAL LEAK ON 1-D PULVERIZER RIGHT REAR COAL PIPE AT BURNER.
0023	D4	07/28/2010 03:30	07/28/2010 06:11	2.68	19.75	85.87	0250	PULVERIZER FEEDERS; REPLACED 1-A COAL FEEDER CLEAN-OUT CHAIN.
0024	D4	07/29/2010 05:00	07/29/2010 06:25	1.42	41.36	94.92	0344	PULVERIZER INSPECTION; INSPECTION ON 1-A AND 1-B PULVERIZER MILLS.
0025	D1	08/13/2010 06:30	08/13/2010 09:00	2.50	53.70	217.50	3220	CIRCULATING WATER PIPING; REPAIRED A HOLE IN THE CIRCULATING WATER PIPE ON THE COMMON DISCHARGE TUNNEL.
0026	U1	08/21/2010 03:29	08/22/2010 08:11	28.70	100.00	4,649.40	4263	REHEAT STOP VALVES; LEFT HAND REHEAT STOP VALVE'S MULTIPLE ORIFICE AND CHECK VALVE ASSEMBLY FAILED.
0027	D1	08/25/2010 16:31	08/26/2010 08:34	16.05	19.75	513.60	0310	PULVERIZER MILLS; REPAIRED DAMAGE TO 1-D PULVERIZER VANE WHEEL AND PYRITE SWEEP ARMS.
0028	D4	08/27/2010 05:00	08/27/2010 08:15	3.25	19.75	104.00	0344	PULVERIZER INSPECTION; INSPECTION PERFORMED ON 1-C PULVERIZER.
0029	D4	09/04/2010 01:30	09/04/2010 04:35	3.08	58.02	289.83	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEANING CONDENSER WATER BOX INLET SCREENS.
0030	D4	09/13/2010 03:00	09/13/2010 04:45	1.75	58.02	164.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEANING CONDENSER WATER BOX INLET SCREENS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0031	D1	09/27/2010 19:30	09/27/2010 21:45	2.25	19.75	72.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; BROKEN PYRITE SWEEPER BLADE IN 1-C PULVERIZER MILL.
0032	D4	09/28/2010 07:00	09/28/2010 13:00	6.00	19.75	192.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; REMOVED 1-C MILL FROM SERVICE TO INSTALL NEW PYRITE SWEEPER BLADES
0033	D1	10/11/2010 18:44	10/11/2010 20:50	2.10	56.79	193.20	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; THE COLD PRECIPITATOR OUTLET ROW CONTROL CABINET TRIPPED DUE TO A BLOWN FUSE.
0034	D1	11/06/2010 22:30	11/07/2010 11:11	13.68	53.70	1,190.45	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK.
0035	U3	11/07/2010 11:11	11/09/2010 20:35	57.40	100.00	9,298.80	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK.
0036	D4	11/11/2010 13:50	11/18/2010 18:47	172.95	19.75	5,534.40	0310	PULVERIZER MILLS; REPLACING 1-C PULVERIZER MILL WINDBOX FLOOR.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	NC	01/05/2010 16:32	01/05/2010 20:30	3.97	0.00	0.00	0250	PULVERIZER FEEDERS; BROKEN FEEDER BELT LIMIT SWITCH
0002	NC	01/19/2010 13:20	01/19/2010 15:42	2.37	0.00	0.00	0250	PULVERIZER FEEDERS; CHAGED OUT FEEDER TACHGOMETER.
0003	NC	01/20/2010 08:15	01/20/2010 13:00	4.75	0.00	0.00	0250	PULVERIZER FEEDERS; CALIBRATE 2 C FEEDER.
0004	NC	01/22/2010 14:08	01/22/2010 16:15	2.12	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER BELT ROLLER SHAFT SLIPPED POSITION.
0005	NC	01/23/2010 01:08	01/23/2010 17:50	16.70	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER BELT ROLLER SLIPPED ON SHAFT.
0006	NC	01/24/2010 07:10	01/24/2010 10:30	3.33	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; 2B EXHAUSTER INSPECTION AND BALANCE CHECK.
0007	NC	01/28/2010 05:21	01/28/2010 16:25	11.07	0.00	0.00	0310	PULVERIZER MILLS; PULVERIZER GRINDING TABLE REPAIR.
0008	NC	02/08/2010 09:58	02/08/2010 15:20	5.37	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECT 2 A MILL.
0012	NC	02/09/2010 06:22	02/09/2010 15:35	9.22	0.00	0.00	0344	PULVERIZER INSPECTION; PULVERIZER INSPECTION.
0009	D4	02/10/2010 12:45	02/10/2010 15:45	3.00	15.38	90.00	0344	PULVERIZER INSPECTION; PULVERIZER INSPECTION. (LOAD RESTRICTING DUE TO WET COAL)
0013	NC	02/11/2010 08:30	02/11/2010 10:51	2.35	0.00	0.00	0344	PULVERIZER INSPECTION; PULVERIZER INSPECTIONS
0014	NC	02/11/2010 09:00	02/11/2010 14:25	5.42	0.00	0.00	0344	PULVERIZER INSPECTION; 2 B PULVERIZER INSPECTION.
0010	D1	02/12/2010 12:35	02/12/2010 20:37	8.03	5.64	88.37	9270	WET COAL (OMC); . WET COAL.
0011	D1	02/13/2010 03:48	02/13/2010 08:30	4.70	23.08	211.50	0310	PULVERIZER MILLS; BROKEN COAL DELECTOR.. (LOAD RESTRICTING DUE TO WET COAL)
0015	NC	02/16/2010 05:00	02/19/2010 17:30	84.50	0.00	0.00	0200	PULVERIZER EXHAUSTER FAN; REBUID EXHAUSTER FAN AND REPLACE MILL ROLLS.
0016	NC	03/07/2010 08:38	03/07/2010 12:55	4.28	0.00	0.00	0310	PULVERIZER MILLS; REPAIR COAL LEAK AND ADJUST MILL ROLLS.
0017	NC	03/13/2010 07:35	03/13/2010 09:45	2.17	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK.

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0018	NC	03/15/2010 12:30	03/19/2010 12:21	95.85	0.00	0.00	0310	PULVERIZER MILLS; REPAIRS TO 2C PULVERIZER (EXHAUSTER AND GRINDING ROLLS)
0019	D1	03/15/2010 17:50	03/15/2010 20:30	2.67	27.69	144.00	0250	PULVERIZER FEEDERS; 2B FEEDER BELT BROKEN
0020	D1	03/16/2010 11:24	03/16/2010 12:09	0.75	26.15	38.25	0250	PULVERIZER FEEDERS; 2B FEEDER DRUM LOOSE (BROKEN WELD ON STOPS) TRACKING TO ONE SIDE
0021	RS	03/20/2010 00:09	03/29/2010 23:59	239.83	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0022	MO	03/29/2010 23:59	04/02/2010 23:59	96.00	100.00	18,720.00	1493	AIR HEATER FOULING (REGENERATIVE); WASH AIR HEATERS AND BOILER
0023	RS	04/02/2010 23:59	04/08/2010 18:10	138.18	0.00	0.00	0000	RESERVE SHUTDOWN
0024	NC	04/09/2010 01:13	04/11/2010 12:59	59.77	0.00	0.00	0310	PULVERIZER MILLS; 2D MILL ROLL REPLACEMENT
0025	D1	04/11/2010 10:52	04/11/2010 11:29	0.62	17.95	21.58	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED FOREIGN OBJECT FROM 2C MILL.
0026	MO	04/15/2010 10:34	04/20/2010 05:20	114.77	100.00	22,379.50	1050	SECOND SUPERHEATER TUBE LEAKS; SECONDARY SUPEHEATER TUBE LEAK.
0027	NC	05/05/2010 11:25	05/05/2010 12:35	1.17	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); REPAIR COAL LEAK ON 2-A FEEDER PIPE TO PULVERIZER.
0028	NC	06/09/2010 13:55	06/09/2010 15:57	2.03	0.00	0.00	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); COAL LEAK ON 2-D PULVERIZER LEFT REAR COAL CONDUIT.
0029	D4	06/15/2010 23:57	06/16/2010 02:51	2.90	64.10	362.50	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); ROUTINE INSPECTION AND CLEANING OF CONDENSER WATERBOXES
0030	D1	07/12/2010 02:05	07/12/2010 02:25	0.33	97.44	63.33	1476	INDUCED DRAFT FAN SPEED CHANGER; 2-A INDUCED DRAFT FAN TRIPPED DURING A SPEED CHANGE OPERATION CAUSING A BOILER TRIP.
0031	D4	07/13/2010 22:56	07/13/2010 23:30	0.57	53.85	59.50	1455	INDUCED DRAFT FANS; CHANGED OIL IN 2-B INDUCED DRAFT FAN INBOARD FAN BEARING.
0032	NC	07/27/2010 05:00	07/27/2010 07:45	2.75	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACED THE FEEDER BELT ON 2-C PULVERIZER FEEDER.
0033	D4	07/29/2010 05:00	07/29/2010 06:25	1.42	25.64	70.83	0344	PULVERIZER INSPECTION; INSPECTION ON 2-A AND 2-B PULVERIZER MILLS.
0034	NC	07/31/2010 04:17	07/31/2010 07:05	2.80	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTION ON 2-C PULVERIZER MILL.

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0035	NC	08/01/2010 04:11	08/01/2010 13:30	9.32	0.00	0.00	0250	PULVERIZER FEEDERS; 2-D PULVERIZER FEEDER WOULD NOT RUN DUE TO VARIABLE FREQUENCY DRIVE PROBLEMS.
0036	NC	08/03/2010 03:30	08/03/2010 07:49	4.32	0.00	0.00	0310	PULVERIZER MILLS; REPLACED MILL ROLLS ON 2-A PULVERIZER MILL.
0037	D1	08/13/2010 06:30	08/13/2010 09:00	2.50	61.54	300.00	3220	CIRCULATING WATER PIPING; REPAIRED A HOLE IN THE CIRCULATING WATER PIPE ON THE COMMON DISCHARGE TUNNEL.
0038	NC	08/18/2010 05:00	08/18/2010 08:45	3.75	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTION AND REPAIRS MADE TO 2-E PULVERIZER MILL.
0039	D4	08/19/2010 00:00	08/19/2010 03:36	3.60	58.97	414.00	1455	INDUCED DRAFT FANS; CHECKED ALIGNMENT ON 2-B INDUCED DRAFT FAN.
0040	D4	09/03/2010 21:50	09/04/2010 01:30	3.67	65.13	465.67	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEANING CONDENSER WATER BOX INLET SCREENS
0041	D4	09/13/2010 00:45	09/13/2010 01:47	1.03	65.13	131.23	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); CLEANING CONDENSER WATER BOX INLET SCREENS.
0042	NC	09/15/2010 20:00	09/23/2010 16:00	188.00	0.00	0.00	0310	PULVERIZER MILLS; REPAIRING DAMAGE TO 2-C PULVERIZER VANE WHEEL.
0043	D1	09/23/2010 09:57	09/23/2010 16:00	6.05	22.05	260.15	0300	PULVERIZER MOTORS AND DRIVES; 2-E PULVERIZER MOTOR WINDINGS BURNED UP.
0044	NC	09/23/2010 16:00	10/21/2010 12:00	668.00	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; REPLACING 2-E PULVERIZER MOTOR.
0045	RS	09/26/2010 03:41	09/27/2010 00:00	20.32	0.00	0.00	0000	RESERVE SHUTDOWN
0046	PO	09/27/2010 00:00	10/25/2010 00:00	672.00	100.00	131,040.00	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; FALL PLANNED BOILER INSPECTION.
							1455	MAJOR COMPONENT WORKED DURING EVENT; INDUCED DRAFT FANS; EIGHT YEAR FAN INSPECTION SHOWED MAJOR DAMAGE ON 2-B I D FAN SHAFT.
0047	SE	10/25/2010 00:00	10/31/2010 00:00	144.00	100.00	28,080.00	1455	INDUCED DRAFT FANS; REPAIRING DAMAGE TO 2-B I D FAN SHAFT AND HUB THAT WAS FOUND DURING INSPECTION.

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0048	RS	10/31/2010 00:00	11/03/2010 23:09	95.15	0.00	0.00	0000	RESERVE SHUTDOWN
0049	D1	11/04/2010 07:50	11/05/2010 16:02	32.20	61.54	3,864.00	1455	INDUCED DRAFT FANS; CONTAMINATED OIL DISCOVERED IN THE 2-B INDUCED DRAFT FAN INBOARD FAN BEARING.
0050	D1	11/04/2010 16:23	11/04/2010 17:41	1.30	97.44	91.00	9900	OPERATOR ERROR; OPERATOR FAILED TO PULL PMX CUTOFF BEFORE STARTING 2-B I.D. FAN CAUSING BOILER TRIP.
0051	D1	11/07/2010 23:07	11/07/2010 23:40	0.55	99.49	106.70	9900	OPERATOR ERROR; OPERATOR SWITCHED OFF THE DC POWER TO THE 4160 VOLT SWITCHGEAR CAUSING A BOILER TRIP.
0052	RS	11/20/2010 00:19	11/29/2010 00:00	215.68	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVED SHUTDOWN
0053	MO	11/29/2010 00:00	12/07/2010 02:08	194.13	100.00	37,856.00	4260	MAIN STOP VALVES; REMOVING THE PROTECTION SCREENS FROM THE MAIN THROTTLE VALVES.
							4262	MAJOR COMPONENT WORKED DURING EVENT; INTERCEPT VALVES; REMOVING THE PROTECTION SCREENS FROM THE REHEAT INTERCEPT VALVES.
0054	NC	12/07/2010 06:00	12/07/2010 06:50	0.83	0.00	0.00	0250	PULVERIZER FEEDERS; 2-E PULVERIZER FEEDER WOULD NOT START.
0055	NC	12/09/2010 06:30	12/09/2010 06:45	0.25	0.00	0.00	3661	4000-7000 VOLT CIRCUIT BREAKERS; 2-A PULVERIZER 4160 VOLT CIRCUIT BREAKER WOULD NOT CLOSE.
0056	U1	12/14/2010 16:57	12/16/2010 03:35	34.63	100.00	6,753.50	1080	ECONOMIZER TUBE LEAKS; ECONOMIZER TUBE LEAK
0057	RS	12/16/2010 03:35	01/01/2011 00:00	380.42	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	RS	01/01/2010 22:34	01/02/2010 00:00	1.43	0.00	0.00	0000	RESERVE SHUTDOWN
0002	PO	01/02/2010 00:00	02/15/2010 00:01	1056.02	100.00	560,744.85	4401	TURBINE INSPECTION; UNIT 3 MAJOR OUTAGE TO INSPECT GT'S AND STEAM TURBINE AND GENERATORS.
0003	SE	02/15/2010 00:01	03/04/2010 15:10	423.15	100.00	224,692.65	4401	MAJOR COMPONENT WORKED DURING EVENT; GENERAL UNIT INSPECTION; GAS TURBINE AND GENERATOR INSPECTIONS - 'A' AND 'B' TURBINE INSPECTION; OUTAGE EXTENSION TO REPAIR ITEMS FOUND AS PART OF THE ORIGINAL WORK SCOPE.
0004	PD	03/04/2010 15:10	03/04/2010 15:13	0.05	66.67	17.70	4401	TURBINE INSPECTION; 3A GT OL TUNING . B GT AMD ST NO AVAILABLE DUE TO PO
0005	PO	03/04/2010 15:13	03/05/2010 17:30	26.28	100.00	13,956.45	4401	TURBINE INSPECTION; COMPLETED A GT TUNING. B GT AND ST NOT AVAILABLE.
0006	PD	03/05/2010 17:30	03/06/2010 08:21	14.85	66.67	5,256.90	4401	TURBINE INSPECTION; 3A ONLINE GT TUNING. 3B AND ST NOT AVAILABLE.
0007	PO	03/06/2010 08:21	03/06/2010 23:24	15.05	100.00	7,991.55	4401	TURBINE INSPECTION; 3A TUNING COMPLETE. B GT AND ST NOT AVAILABLE
0008	PD	03/06/2010 23:24	03/06/2010 23:26	0.03	66.67	11.80	4401	TURBINE INSPECTION; B GT TUNING. A GT & ST NOT AVAILABLE
0009	PO	03/06/2010 23:26	03/06/2010 23:35	0.15	100.00	79.65	4401	TURBINE INSPECTION; B GT TUNING A GT AND ST NOT AVAILABLE.
0010	PD	03/06/2010 23:35	03/07/2010 06:09	6.57	66.67	2,324.60	4401	TURBINE INSPECTION; B GT TUNING. A GT AND ST NOT AVAILABLE.
0011	PO	03/07/2010 06:09	03/08/2010 23:56	41.78	100.00	22,186.95	4401	TURBINE INSPECTION; B GT TUNING. A GT AND ST NOT AVAILABLE.
0012	PD	03/08/2010 23:56	03/09/2010 15:12	15.27	66.67	5,404.40	4401	TURBINE INSPECTION; B GT TUNING . A GT AND ST NOT AVAILABLE.
0014	D1	03/09/2010 17:07	03/10/2010 07:48	14.68	33.33	2,598.95	9920	CONTRACTOR ERROR; STEAM TURBINE LUBE OIL LEAK... GTS AVAILABLE.
0016	D4	03/09/2010 17:07	03/10/2010 07:48	14.68	66.67	2,598.95	9920	CONTRACTOR ERROR; B GT HYDROGEN SEAL LEAK. AGT AND ST AVAILABLE.
0013	RS	03/09/2010 17:07	03/10/2010 07:48	14.68	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	U1	03/10/2010 07:48	03/10/2010 12:00	4.20	100.00	2,230.20	9920	CONTRACTOR ERROR; STEAM TURBINE LUBE OIL LEAK REPAIR.. GT`S NOT AVAILABLE, ST OFF THE GEAR.
0019	D4	03/10/2010 12:00	03/10/2010 20:08	8.13	50.09	2,163.47	9920	CONTRACTOR ERROR; B GT HYDROGEN SEAL LEAK. AGT AND ST AVAILABLE.
0017	RS	03/10/2010 12:00	03/11/2010 00:28	12.47	0.00	0.00	0000	RESERVE SHUTDOWN;
0018	D1	03/11/2010 07:42	03/11/2010 11:55	4.22	33.33	746.35	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; LP TURBINE VIBRATION ON START UP.
0025	RS	03/11/2010 07:42	03/11/2010 11:55	4.22	0.00	0.00	0000	RESERVE SHUTDOWN;
0020	RS	03/13/2010 22:54	03/15/2010 00:19	24.42	0.00	0.00	0000	RESERVE SHUTDOWN;
0021	RS	03/15/2010 22:34	03/16/2010 02:50	4.27	0.00	0.00	0000	RESERVE SHUTDOWN;
0022	D1	03/16/2010 05:32	03/16/2010 07:04	1.53	50.09	407.87	5250	OTHER CONTROLS AND INSTRUMENTATION PROBLEMS; CONDENSATION IN EXHAUST PRESSURE TRANSMITTER SENSING LINE.
0023	RS	03/16/2010 22:31	03/17/2010 02:56	4.42	0.00	0.00	0000	RESERVE SHUTDOWN;
0024	RS	03/18/2010 20:53	03/19/2010 02:53	6.00	0.00	0.00	0000	RESERVE SHUTDOWN;
0026	NC	03/30/2010 12:50	03/30/2010 14:15	1.42	0.00	0.00	3210	CIRCULATING WATER PUMPS; REPACK # 1 CIRC WATER PUMP.
0027	NC	04/02/2010 11:15	04/04/2010 13:15	50.00	0.00	0.00	3311	CONDENSATE/HOTWELL PUMP MOTOR; # 2 CONDENSATE PUMP MOTOR REPAIR.
0028	NC	04/05/2010 07:58	04/08/2010 14:06	78.13	0.00	0.00	3299	OTHER CIRCULATING WATER SYSTEM PROBLEMS; # 2 COOLING TOWER MAKE UP PUMP MOTOR REFURBISH.
0031	MO	04/09/2010 21:42	04/11/2010 17:06	43.40	100.00	20,788.60	6171	IP STARTUP BYPASS SYSTEM VALVES; REBUILD IP BYPASS VALVES ON A AND B HRSGS
0030	NC	04/09/2010 22:41	04/27/2010 07:47	417.10	0.00	0.00	3310	CONDENSATE/HOTWELL PUMPS; REBUILD #2 CONDENSATE PUMP.
0032	RS	04/11/2010 17:06	04/12/2010 02:14	9.13	0.00	0.00	0000	RESERVE SHUTDOWN;
0033	D1	04/12/2010 20:20	04/12/2010 22:51	2.52	26.10	314.58	4550	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); COLLECTOR END OIL SIGHT GLASS LEAK.
0034	RS	04/12/2010 22:51	04/13/2010 05:00	6.15	0.00	0.00	0000	RESERVE SHUTDOWN;
0035	RS	04/13/2010 22:57	04/14/2010 04:58	6.02	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0036	U1	04/17/2010 03:14	04/17/2010 08:36	5.37	100.00	2,570.63	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); RESERVE STATION SERVICE TRANSFORMER 230 K-V 4KV. DIFF AUX REALY OPERATION.
0037	U1	04/17/2010 08:36	04/17/2010 14:21	5.75	100.00	2,754.25	4211	DIAPHRAGMS - LP TURBINE; RUPTURED EAST LP DIAPHRAGM.
0038	D4	04/23/2010 22:14	04/24/2010 14:30	16.27	45.72	3,562.40	5261	GAS TURBINE COMPRESSOR WASHING; WATERWASHED A GT
0039	D1	04/24/2010 14:31	04/24/2010 15:26	0.92	45.72	200.75	5109	OTHER EXHAUST PROBLEMS INCLUDING HIGH EXHAUST TEMPERATURE NOT ATTRIBUTABLE TO SPECIFIC PROBLEM; EXHAUST TEMPERATURE SPREAD ATTRIBUTED A GTTO WATER WASH.
0040	D4	04/24/2010 20:51	04/25/2010 13:05	16.23	45.72	3,555.10	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH B GT
0041	RS	04/27/2010 22:23	04/28/2010 03:02	4.65	0.00	0.00	0000	RESERVE SHUTDOWN;
0042	RS	04/28/2010 21:51	04/29/2010 03:59	6.13	0.00	0.00	0000	RESERVE SHUTDOWN;
0043	RS	04/29/2010 22:56	04/30/2010 05:57	7.02	0.00	0.00	0000	RESERVE SHUTDOWN;
0044	RS	04/30/2010 22:25	05/01/2010 08:04	9.65	0.00	0.00	0000	RESERVE SHUTDOWN;
0045	RS	05/02/2010 00:11	05/02/2010 06:00	5.82	0.00	0.00	0000	RESERVE SHUTDOWN;
0046	RS	05/02/2010 21:27	05/03/2010 05:55	8.47	0.00	0.00	0000	RESERVE SHUTDOWN;
0047	D1	05/04/2010 05:30	05/04/2010 13:57	8.45	50.31	2,036.45	5130	STARTING SYSTEM (INCLUDING MOTOR); LCI GROUND FAULT TRIP.
0048	RS	05/05/2010 20:01	05/06/2010 07:45	11.73	0.00	0.00	0000	RESERVE SHUTDOWN;
0049	D3	05/06/2010 03:30	05/06/2010 05:56	2.43	50.10	584.00	9920	CONTRACTOR ERROR; HP ECONOMIZER DRAIN LINE CUT WITH A MATABO BLADE.
0050	RS	05/06/2010 22:18	05/07/2010 05:49	7.52	0.00	0.00	0000	RESERVE SHUTDOWN;
0051	RS	05/08/2010 21:42	05/10/2010 05:29	31.78	0.00	0.00	0000	RESERVE SHUTDOWN;
0052	RS	05/10/2010 22:13	05/11/2010 06:45	8.53	0.00	0.00	0000	RESERVE SHUTDOWN;
0053	RS	05/11/2010 22:18	05/12/2010 04:56	6.63	0.00	0.00	0000	RESERVE SHUTDOWN;
0054	RS	05/12/2010 21:33	05/13/2010 03:56	6.38	0.00	0.00	0000	RESERVE SHUTDOWN;
0055	RS	05/13/2010 22:42	05/14/2010 04:57	6.25	0.00	0.00	0000	RESERVE SHUTDOWN;
0056	RS	05/14/2010 23:32	05/15/2010 06:57	7.42	0.00	0.00	0000	RESERVE SHUTDOWN;
0057	RS	05/15/2010 22:07	05/16/2010 06:55	8.80	0.00	0.00	0000	RESERVE SHUTDOWN;
0058	RS	05/16/2010 22:15	05/17/2010 06:53	8.63	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0059	RS	05/18/2010 23:08	05/19/2010 04:56	5.80	0.00	0.00	0000	RESERVE SHUTDOWN;
0060	RS	05/19/2010 22:34	05/20/2010 04:49	6.25	0.00	0.00	0000	RESERVE SHUTDOWN;
0061	RS	05/21/2010 00:01	05/21/2010 05:56	5.92	0.00	0.00	0000	RESERVE SHUTDOWN;
0062	RS	05/22/2010 00:20	05/22/2010 06:57	6.62	0.00	0.00	0000	RESERVE SHUTDOWN;
0063	D1	05/22/2010 09:02	05/22/2010 19:10	10.13	33.82	1,641.60	4740	EMERGENCY GENERATOR TRIP DEVICES; PROTECTIVE RELAY OPERATION DUE TO PT SHORT! (59N OVERVOLTAGE)
0064	RS	05/22/2010 10:00	05/23/2010 08:54	22.90	0.00	0.00	0000	RESERVE SHUTDOWN;
0065	RS	05/24/2010 00:42	05/24/2010 05:54	5.20	0.00	0.00	0000	RESERVE SHUTDOWN;
0066	RS	05/25/2010 22:45	05/26/2010 06:35	7.83	0.00	0.00	0000	RESERVE SHUTDOWN;
0067	RS	05/27/2010 00:52	05/27/2010 05:53	5.02	0.00	0.00	0000	RESERVE SHUTDOWN;
0068	RS	05/28/2010 00:17	05/28/2010 05:51	5.57	0.00	0.00	0000	RESERVE SHUTDOWN;
0069	RS	05/28/2010 23:28	05/29/2010 05:57	6.48	0.00	0.00	0000	RESERVE SHUTDOWN;
0070	RS	05/30/2010 00:01	05/30/2010 07:22	7.35	0.00	0.00	0000	RESERVE SHUTDOWN;
0071	RS	05/30/2010 23:42	05/31/2010 07:01	7.32	0.00	0.00	0000	RESERVE SHUTDOWN;
0072	RS	05/31/2010 23:24	06/01/2010 05:55	6.52	0.00	0.00	0000	RESERVE SHUTDOWN;
0073	RS	06/01/2010 22:58	06/02/2010 04:56	5.97	0.00	0.00	0000	RESERVE SHUTDOWN;
0074	RS	06/02/2010 23:35	06/03/2010 05:56	6.35	0.00	0.00	0000	RESERVE SHUTDOWN;
0075	RS	06/03/2010 23:13	06/04/2010 04:55	5.70	0.00	0.00	0000	RESERVE SHUTDOWN;
0076	RS	06/04/2010 23:40	06/05/2010 06:46	7.10	0.00	0.00	0000	RESERVE SHUTDOWN;
0077	RS	06/06/2010 00:03	06/06/2010 06:37	6.57	0.00	0.00	0000	RESERVE SHUTDOWN;
0078	RS	06/06/2010 23:44	06/07/2010 05:57	6.22	0.00	0.00	0000	RESERVE SHUTDOWN;
0079	RS	06/07/2010 23:44	06/08/2010 07:58	8.23	0.00	0.00	0000	RESERVE SHUTDOWN;
0081	D4	06/08/2010 04:15	06/08/2010 08:15	4.00	50.10	960.00	5150	TURNING GEAR AND MOTOR; REPAIR TURNING GEAR OIL SEAL. A GT AND ST AVAILABLE
0080	RS	06/08/2010 22:35	06/09/2010 05:03	6.47	0.00	0.00	0000	RESERVE SHUTDOWN;
0082	RS	06/09/2010 22:07	06/10/2010 05:30	7.38	0.00	0.00	0000	RESERVE SHUTDOWN;
0083	U1	06/10/2010 05:30	06/10/2010 11:35	6.08	100.00	2,913.92	6110	HP STEAM PIPING UP TO TURBINE STOP VALVES - GREATER THAN 600 PSIG; (SEE 0790 FOR PIPING SUPPORTS); A HRSG MAIN STEAM PIPING WARM UP LINE CRACKED AT WELDLET.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0084	MO	06/11/2010 22:51	06/12/2010 16:40	17.82	100.00	8,534.18	6110	HP STEAM PIPING UP TO TURBINE STOP VALVES - GREATER THAN 600 PSIG; (SEE 0790 FOR PIPING SUPPORTS); REPAIR AND STRESS RELIEVE MAIN STEAM LINE WARM UP DRAIN LINE.
0085	RS	06/12/2010 16:40	06/13/2010 04:42	12.03	0.00	0.00	0000	RESERVE SHUTDOWN;
0086	MO	06/28/2010 23:02	06/29/2010 05:18	6.27	100.00	3,001.73	6134	OTHER MAIN STEAM VALVES (INCLUDING VENT AND DRAIN VALVES BUT NOT INCLUDING THE TURBINE STOP VALVES); REPACK A HP BLOCK VALVE.
0087	RS	06/29/2010 05:18	06/29/2010 06:11	0.88	0.00	0.00	0000	RESERVE SHUTDOWN;
0088	RS	06/30/2010 23:02	07/01/2010 04:23	5.35	0.00	0.00	0000	RESERVE SHUTDOWN;
0089	RS	07/01/2010 21:19	07/02/2010 05:58	8.65	0.00	0.00	0000	RESERVE SHUTDOWN;
0090	RS	07/03/2010 00:08	07/03/2010 06:34	6.43	0.00	0.00	0000	RESERVE SHUTDOWN;
0091	RS	07/04/2010 00:09	07/04/2010 06:38	6.48	0.00	0.00	0000	RESERVE SHUTDOWN;
0092	RS	07/05/2010 00:39	07/05/2010 06:06	5.45	0.00	0.00	0000	RESERVE SHUTDOWN;
0093	RS	07/06/2010 00:11	07/06/2010 05:53	5.70	0.00	0.00	0000	RESERVE SHUTDOWN;
0094	RS	07/07/2010 00:40	07/07/2010 05:52	5.20	0.00	0.00	0000	RESERVE SHUTDOWN;
0095	RS	07/07/2010 23:55	07/08/2010 06:03	6.13	0.00	0.00	0000	RESERVE SHUTDOWN;
0096	RS	07/12/2010 00:06	07/12/2010 05:57	5.85	0.00	0.00	0000	RESERVE SHUTDOWN;
0097	RS	07/13/2010 23:06	07/14/2010 04:59	5.88	0.00	0.00	0000	RESERVE SHUTDOWN;
0098	MO	07/17/2010 22:56	07/18/2010 05:30	6.57	100.00	3,145.43	6112	OTHER HP STEAM VALVES (INCLUDING VENT AND DRAIN VALVES BUT NOT INCLUDING THE TURBINE STOP VALVES); REPACK AND SHOOT A HP BLOCK VALVE PACKING.
0099	RS	07/18/2010 05:30	07/18/2010 06:44	1.23	0.00	0.00	0000	RESERVE SHUTDOWN;
0100	D1	07/27/2010 11:08	07/27/2010 16:38	5.50	35.28	929.50	4499	OTHER STEAM TURBINE PROBLEMS; TURBINE VIBRATION DUE TO LP PLATFORM WEIGHT PREVENTING LP TURBINE HOOD MOVEMENT.
0101	RS	07/28/2010 22:25	07/28/2010 23:00	0.58	0.00	0.00	0000	RESERVE SHUTDOWN;
0102	MO	07/28/2010 23:00	07/29/2010 04:16	5.27	100.00	2,522.73	6112	OTHER HP STEAM VALVES (INCLUDING VENT AND DRAIN VALVES BUT NOT INCLUDING THE TURBINE STOP VALVES); REPACK B HP BLOCK VALVE.
0103	RS	07/29/2010 04:16	07/29/2010 05:43	1.45	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0104	D1	07/30/2010 01:41	07/30/2010 07:12	5.52	35.28	932.32	4499	OTHER STEAM TURBINE PROBLEMS; TURBINE VIBRATION DUE TO LP PLATFORM WEIGHT PREVENTING LP TURBINE HOOD MOVEMENT
0106	D1	07/31/2010 02:36	07/31/2010 07:57	5.35	35.28	904.15	4499	OTHER STEAM TURBINE PROBLEMS; TURBINE VIBRATION DUE TO LP PLATFORM WEIGHT PREVENTING LP TURBINE HOOD MOVEMENT
0107	D1	08/11/2010 15:47	08/11/2010 16:06	0.32	35.28	53.52	4499	OTHER STEAM TURBINE PROBLEMS; STEAM TURBINE VIBRATION.. LP DIAPHRAGM PLATFORM CONTACTING TURBINE HOOD.
0108	U1	08/11/2010 16:06	08/11/2010 16:44	0.63	100.00	303.37	0802	IP DRUM (INCLUDING DRUM LEVEL TRIPS NOT ATTRIBUTABLE TO OTHER CAUSES); FIRED SHUTDOWN OF BOTH GT'S DUE TO HIGH IP DRUM LEVELS.
0109	D1	08/11/2010 16:44	08/11/2010 22:44	6.00	35.28	1,014.00	4499	OTHER STEAM TURBINE PROBLEMS; STEAM TURBINE VIBRATION. 4 HOUR MIN ROLL TIME DUE TO TURBINE VIBRATION.
0110	U1	08/11/2010 22:44	08/13/2010 08:09	33.42	100.00	16,006.58	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK.
0111	U1	08/13/2010 09:24	08/13/2010 17:43	8.32	100.00	3,983.68	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0112	D1	08/13/2010 17:43	08/14/2010 05:20	11.62	99.79	5,552.77	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK
0114	U1	08/14/2010 05:20	08/14/2010 14:05	8.75	100.00	4,191.25	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK.
0113	D1	08/14/2010 14:05	08/15/2010 12:05	22.00	83.72	8,822.00	3110	CONDENSER TUBE LEAKS; CONDENSER TUBE LEAK.
0115	D1	08/26/2010 11:35	08/26/2010 14:35	3.00	50.10	720.00	5240	FIRE DETECTION AND EXTINGUISHING SYSTEM; GT TRIPPED ON FIRE SYSTEM ELECTRICAL GROUND.
0116	D1	08/26/2010 12:59	08/26/2010 14:35	1.60	67.64	134.40	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE VIBRATION.
0122	D1	08/26/2010 14:35	08/26/2010 15:26	0.85	35.28	143.65	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE VIBRATION
0117	RS	08/28/2010 23:34	08/29/2010 06:55	7.35	0.00	0.00	0000	RESERVE SHUTDOWN;

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0118	D1	09/01/2010 13:30	09/01/2010 14:08	0.63	50.10	152.00	9910	MAINTENANCE PERSONNEL ERROR; ACCIDENTAL OPERATION OF B GT FIRE SUPPRESSION SYSTEM.
0119	RS	09/04/2010 00:18	09/04/2010 06:29	6.18	0.00	0.00	0000	RESERVE SHUTDOWN;
0120	RS	09/04/2010 23:46	09/05/2010 07:27	7.68	0.00	0.00	0000	RESERVE SHUTDOWN;
0121	RS	09/05/2010 23:03	09/06/2010 07:28	8.42	0.00	0.00	0000	RESERVE SHUTDOWN;
0123	D1	09/22/2010 08:34	09/22/2010 11:58	3.40	35.28	574.60	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE VIBRATION.
0124	MO	09/23/2010 22:11	09/24/2010 13:19	15.13	100.00	7,248.87	5261	GAS TURBINE COMPRESSOR WASHING; WASH A GT, (MO NEEDED DUE TO HP BLOCK VALVE STUCK OPEN)
0125	D4	09/24/2010 13:19	09/25/2010 01:00	11.68	50.10	2,804.00	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH B GT
0126	D1	10/22/2010 08:05	10/22/2010 11:34	3.48	35.28	588.68	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; STEAM TURBINE VIBRATION # 4.5.&6 BEARINGS.
0127	D4	11/06/2010 22:53	11/07/2010 13:58	16.08	50.09	4,278.17	5261	GAS TURBINE COMPRESSOR WASHING; WATER WASH B COMPRESSOR.
0128	D1	11/07/2010 00:55	11/07/2010 04:10	4.25	70.81	467.50	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; LP STEAM TURBINE VIBRATION.
0129	PO	11/09/2010 23:31	11/17/2010 01:49	170.30	100.00	90,429.30	5272	BOROSCOPE INSPECTION; 6 MONTH BORESCOPE INSPECTION OF A & B GTS
0130	D1	11/18/2010 12:47	11/18/2010 16:35	3.80	41.62	839.80	4293	HYDRAULIC SYSTEM PIPES AND VALVES; RH STOP VALVE OIL KEAK
0131	RS	11/18/2010 12:49	11/18/2010 17:09	4.33	0.00	0.00	0000	RESERVE SHUTDOWN;
0132	D1	11/23/2010 07:14	11/23/2010 08:27	1.22	50.09	323.63	5041	FUEL PIPING AND VALVES; GAS SUPPLY VENT VALVE STUCK OPEN
0133	D4	11/29/2010 23:11	11/30/2010 04:10	4.98	50.09	1,325.57	5049	OTHER FUEL SYSTEM PROBLEMS; FEED WATER DRAIN PIPING FROM GAS HEATER LEAKING.
0134	D1	12/10/2010 23:40	12/11/2010 00:20	0.67	26.18	92.67	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; VIBRATION ABOVE 6 MILS ON BEARING # 4 AND 6.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0135	D1	12/15/2010 02:05	12/15/2010 03:15	1.17	50.09	310.33	5079	OTHER COMBUSTOR PROBLEMS; FLAME BLOW OUT ON B GT AT MINIMUM LOAD.
0136	D1	12/15/2010 04:12	12/15/2010 06:09	1.95	50.09	518.70	5079	OTHER COMBUSTOR PROBLEMS; FLAME BLOWOUT ON B GT
0137	D1	12/19/2010 23:10	12/20/2010 00:45	1.58	50.09	421.17	5079	OTHER COMBUSTOR PROBLEMS; LBO ON A GT.
Smith A								
0001	RS	01/01/2010 00:00	01/13/2010 07:40	295.67	0.00	0.00	0000	RESERVE SHUTDOWN;
0002	RS	01/13/2010 10:16	01/20/2010 10:30	168.23	0.00	0.00	0000	RESERVE SHUTDOWN;
0003	RS	01/20/2010 11:04	02/26/2010 06:39	883.58	0.00	0.00	0000	RESERVE SHUTDOWN;
0004	RS	02/26/2010 09:16	03/17/2010 11:47	457.52	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN.
0005	RS	03/17/2010 12:31	04/30/2010 13:26	1056.92	0.00	0.00	0000	RESERVE SHUTDOWN;
0006	RS	04/30/2010 14:21	06/01/2010 10:26	764.08	0.00	0.00	0000	RESERVE SHUTDOWN;
0007	RS	06/01/2010 11:17	06/12/2010 18:18	271.02	0.00	0.00	0000	RESERVE SHUTDOWN;
0008	SF	06/12/2010 18:18	06/12/2010 19:17	0.98	100.00	31.47	4609	OTHER EXCITER PROBLEMS; FIELD FLASHING RELAY FAILED TO OPERATE AFTER UNIT REACHED SYNCHRONOUS SPEED.
0009	RS	06/12/2010 20:22	06/24/2010 07:00	274.63	0.00	0.00	0000	RESERVE SHUTDOWN
0010	MO	06/24/2010 07:00	06/24/2010 12:00	5.00	100.00	160.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); ROUTINE SUBSTATION BREAKER MAINTENANCE ON TRANSFER BUSS BREAKER 2932.
0011	RS	06/24/2010 12:00	09/14/2010 06:35	1962.58	0.00	0.00	0000	RESERVE SHUTDOWN
0012	MO	09/14/2010 06:35	09/14/2010 16:30	9.92	100.00	317.33	3620	MAIN TRANSFORMER; PERFORMED A DOBLE TEST ON THE MAIN TRANSFORMER.
0013	RS	09/14/2010 16:30	10/18/2010 07:00	806.50	0.00	0.00	0000	RESERVE SHUTDOWN
0014	MO	10/18/2010 07:00	10/18/2010 16:23	9.38	100.00	300.27	3975	DCS - UPGRADES; UPGRADING COMBUSTION TURBINE CONTROL SYSTEM.
0015	RS	10/18/2010 16:23	11/15/2010 00:00	656.62	0.00	0.00	0000	RESERVE SHUTDOWN
0016	PO	11/15/2010 00:00	12/18/2010 00:00	792.00	100.00	31,680.00	3975	DCS - UPGRADES; UPGRADING THE DCS SYSTEM.
0017	SE	12/18/2010 00:00	01/01/2011 00:00	336.00	100.00	13,440.00	3975	DCS - UPGRADES; UPGRADING THE DCS SYSTEM.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/02/2010 12:50	01/02/2010 15:40	2.83	64.71	935.00	8657	ASH HANDLING SYSTEM AND HOPPERS; OPER. CUT LOAD DUE TO ASH PROBLEM.
0002	D1	01/04/2010 08:05	01/04/2010 08:26	0.35	4.12	7.35	0342	PULVERIZER INERT SYSTEM; INSERTING STEAM VALVE CAME OPEN. MAINT WORKING ON VALVE.
0003	D1	01/04/2010 13:00	01/04/2010 13:15	0.25	11.76	15.00	0250	PULVERIZER FEEDERS; 1B FEEDER PLUGGED.
0004	D1	01/04/2010 14:37	01/04/2010 15:23	0.77	18.63	72.83	9270	WET COAL (OMC); 1B FEEDER PLUGGED
0005	D4	01/11/2010 22:15	01/12/2010 00:15	2.00	30.39	310.00	3344	DEAERATOR (INCLUDING LEVEL CONTROL); OPER CUT LOAD TO TRY AND ISOLATE TUBING LEAK ON DEAERATOR CAUSED BY FREEZING TEMPS.
0006	MO	01/16/2010 00:05	01/17/2010 00:01	23.93	100.00	12,206.00	3344	DEAERATOR (INCLUDING LEVEL CONTROL); REPAIR TUBING LINE LEAK ON DEAERATOR DUE TO FREEZING CONDITIONS.
0007	D1	01/20/2010 12:08	01/20/2010 13:10	1.03	99.80	525.97	9020	LIGHTNING; BOILER TRIP WHEN LIGHTNING STRUCK OCEAN SPRINGS LINE & TRIPPED 1-C 4160V BUS ON S.S.S.
0008	D1	01/20/2010 23:36	01/21/2010 01:10	1.57	99.41	794.30	0250	PULVERIZER FEEDERS; 1-A FEEDER TRIP AND BOILER TRIP ON HIGH SUPERHEAT TEMPS.
							9251	CONTRIBUTED TO PRIMARY CAUSE; LOW BTU COAL (NOT OMC); BURNING HIGHER PERCENTAGE PRB COAL IN UPPER MILLS HELP CREATE HIGH S.H. TEMPS.
0009	D2	01/21/2010 07:10	01/21/2010 10:19	3.15	21.18	340.20	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); 1-B MILL COAL LEAK REPAIR.
0010	D1	01/23/2010 17:40	01/23/2010 18:15	0.58	26.47	78.75	9270	WET COAL (OMC); 1A FEEDER PLUGGED.
0011	D2	01/24/2010 20:00	01/25/2010 04:15	8.25	8.82	371.25	0310	PULVERIZER MILLS; MAINT REPLACED SOUTH JOURNAL IN 1-B MILL.
0012	D1	01/30/2010 17:08	01/30/2010 17:38	0.50	19.22	49.00	9270	WET COAL (OMC); 1-C FEEDER PLUGGED.
0013	D1	01/30/2010 18:44	01/30/2010 19:19	0.58	12.75	37.92	9270	WET COAL (OMC); 1-B FEEDER PLUGGED.
0014	D1	01/30/2010 19:59	01/31/2010 01:31	5.53	12.75	359.67	9270	WET COAL (OMC); 1-D FEEDER PLUGGED.
							0250	CONTRIBUTED TO PRIMARY CAUSE; PULVERIZER FEEDERS; 1-D FEEDER BELT BROKE. REPLACED INKIND.
0015	D1	01/31/2010 02:06	01/31/2010 03:55	1.82	12.75	118.08	9270	WET COAL (OMC); 1-D FEEDER PLUGGED.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0016	D1	01/31/2010 07:40	01/31/2010 08:00	0.33	12.75	21.67	9270	WET COAL (OMC); 1-D D FEEDER PLUGGED.
0017	D1	01/31/2010 22:40	01/31/2010 22:57	0.28	12.75	18.42	9270	WET COAL (OMC); 1-C FEEDER PLUGGED.
0018	D1	02/05/2010 22:41	02/05/2010 23:00	0.32	11.18	18.05	9270	WET COAL (OMC); COAL BUILD-UP TRIPPED 1A FEEDER.
0019	D1	02/06/2010 18:28	02/06/2010 20:52	2.40	4.51	55.20	0340	OTHER PULVERIZER PROBLEMS; 1B MILL EXPLOSION DOOR BLEW OFF. MAINT REPLACED INKIND.
0020	D1	02/08/2010 07:34	02/08/2010 08:45	1.18	4.90	29.58	0250	PULVERIZER FEEDERS; 1D FEEDER PLUGGED. AIR CANNON WAS NOT WORKING.
0024	D1	02/11/2010 08:08	02/11/2010 14:07	5.98	20.00	610.30	0250	PULVERIZER FEEDERS; REPLACED BROKEN BELT AND CALIBRATED 1C FEEDER
0025	D1	02/11/2010 09:30	02/11/2010 11:05	1.58	40.00	161.50	0340	OTHER PULVERIZER PROBLEMS; 1E MILL EXPLOSION DOOR BLEW OUT AND WAS REPLACED
0026	D1	02/11/2010 09:56	02/11/2010 10:45	0.82	60.00	83.30	9270	WET COAL (OMC); WET COAL TRIPPED 1D FEEDER AND IT WAS CLEANED OUT
0027	D1	02/11/2010 10:02	02/11/2010 10:55	0.88	64.71	38.20	9270	WET COAL (OMC); WET COAL TRIPPED 1B FEEDER AND IT WAS CLEANED OUT, SUPPORT FUEL USED
0023	D1	02/16/2010 04:25	02/16/2010 05:30	1.08	16.27	89.92	0340	OTHER PULVERIZER PROBLEMS; 1E MILL EXPLOSION DOOR BLEW OUT
0021	RS	02/19/2010 20:48	02/22/2010 00:00	51.20	0.00	0.00	0000	RESERVE SHUTDOWN;
0022	PO	02/22/2010 00:00	04/17/2010 14:42	1309.70	100.00	667,947.00	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); HP/IP TURBINE RETROFIT
							0360	MAJOR COMPONENT WORKED DURING EVENT; BURNERS; INSTALLATION OF LOW NOX BURNERS
							1590	MAJOR COMPONENT WORKED DURING EVENT; STACKS; COMMON STACK REPAIR
							4212	MAJOR COMPONENT WORKED DURING EVENT; BUCKETS OR BLADES - LP TURBINE; INSPECT & CLEAN LP ROTORS
							4511	MAJOR COMPONENT WORKED DURING EVENT; GENERATOR ROTOR; GENERAL; GENERATOR ROTOR - INSPECT & CHECK FOR CAUSE OF VIBRATION

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
							1800	MAJOR COMPONENT WORKED DURING EVENT; MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); BOILER INSPECTION & REPAIR
							1480	MAJOR COMPONENT WORKED DURING EVENT; OTHER INDUCED DRAFT FAN PROBLEMS; ID FAN INLET & OUTLET DAMPER REPLACEMENT
0028	PO	04/17/2010 21:30	04/18/2010 01:30	4.00	100.00	2,040.00	4460	TURBINE OVERSPEED TRIP TEST; OFF LINE AFTER PO FOR TURBINE OVERSPEED TRIP TEST
0029	U1	04/18/2010 01:30	04/23/2010 00:30	119.00	100.00	60,690.00	4240	BEARINGS - LP TURBINE; EXCESSIVE BEARING CLEARANCE ON #3 BEARING
0030	RS	04/23/2010 00:30	04/25/2010 08:08	55.63	0.00	0.00	0000	RESERVE SHUTDOWN;
0031	PD	04/25/2010 08:08	04/25/2010 19:00	10.87	25.49	1,412.67	0510	MAIN STEAM RELIEF/SAFETY VALVES OFF SUPERHEATER; DRUM PSI @ 2000 FOR INDUSTRIAL VALVE TO SET SAFETY VALVES
0032	D4	05/08/2010 00:01	05/08/2010 06:30	6.48	64.90	2,145.98	0260	PRIMARY AIR FAN; 1A PA FAN DAMPER JUNCTION BOX BROKEN
0033	D4	05/13/2010 23:42	05/14/2010 03:57	4.25	44.12	956.25	3410	FEEDWATER PUMP; TOOK 1A BFP OUT OF SVC AFTER PEAK TO REPLACE OIL SEALS ON INBOARD BEARING
0034	D1	06/08/2010 20:30	06/08/2010 22:06	1.60	14.90	121.60	0320	FOREIGN OBJECT IN PULVERIZER MILL; A CONVEYOR ROLLER WAS IN 1B MILL
0035	D1	06/09/2010 04:04	06/09/2010 12:57	8.88	1.57	71.07	0310	PULVERIZER MILLS; BAD JOURNAL IN 1C MILL
0036	D1	06/17/2010 08:35	06/17/2010 09:40	1.08	16.86	93.17	0310	PULVERIZER MILLS; 1C MILL WAS MAKING UNUSUAL NOISES, INSPECTED, FOUND NOTHING
0037	NC	06/24/2010 07:00	06/24/2010 07:50	0.83	0.00	0.00	0310	PULVERIZER MILLS; INSPECTED MILL JOURNALS, FOUND 1 OIL LEAK & 2 W/BAD SPRINGS-REPLACED ALL 3 JOURNALS
0038	NC	07/03/2010 12:30	07/04/2010 09:00	20.50	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); 1D COAL MILL HAS A COAL LEAK ON FDR PIPE. NET 485, COULD HAVE PUT OIL IN TO MAKE LOAD.
0039	NC	07/11/2010 08:30	07/11/2010 10:10	1.67	0.00	0.00	0250	PULVERIZER FEEDERS; 1A MILL LOADED UP & 1A FEEDER PLUGGED. COULD HAVE PUT OIL IN TO GET FULL LOAD.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0040	D1	07/12/2010 15:50	07/12/2010 16:30	0.67	4.90	16.67	9270	WET COAL (OMC); 1C FEEDER PLUGGED (WET COAL) CAUSING THE FEEDER TO TRIP
0041	NC	07/13/2010 07:30	07/13/2010 07:40	0.17	0.00	0.00	0325	PULVERIZER SKIDDING; 1B MILL SKID & CAUSED A PRESSURE SWING
0042	D4	07/14/2010 04:00	07/14/2010 06:40	2.67	33.33	453.33	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; CHANGED MOOG VALVE ON 1B BOILER FEED PUMP TURBINE.
0043	NC	07/14/2010 05:00	07/14/2010 05:45	0.75	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; REPLACED 1B MILL HOT AIR DAMPER BECK DRIVE
0044	D4	07/20/2010 00:10	07/20/2010 06:21	6.18	47.06	1,484.00	1407	FORCED DRAFT FAN LUBRICATION SYSTEMS; OIL LEAK ON 1-A FD FAN
0062	D1	07/20/2010 06:21	07/20/2010 06:41	0.33	99.80	169.67	1475	INDUCED DRAFT FAN CONTROLS; BOILER TRIP DURING FURNACE PRESSURE SWING
0046	U1	07/20/2010 06:41	07/20/2010 09:12	2.52	100.00	1,283.50	1475	INDUCED DRAFT FAN CONTROLS; BOILER TRIPPED DUE TO FURNACE PRESSURE SWING.
0047	NC	07/25/2010 23:00	07/26/2010 13:45	14.75	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; REPLACING MOTOR DUE TO INBOARD MOTOR BEARING FAILURE
0048	D1	07/27/2010 16:13	07/27/2010 17:20	1.12	14.71	83.75	0250	PULVERIZER FEEDERS; 1-A FEEDER HAD A TORN BELT. THE UNIT GOT IN A PRESSURE SWING.
0049	NC	07/28/2010 08:20	07/28/2010 18:30	10.17	0.00	0.00	0250	PULVERIZER FEEDERS; 1-A FEEDER CAL. PUT OIL IN FOR 2 HRS. TO MAKE FULL LOAD
0050	NC	09/04/2010 11:40	09/04/2010 12:30	0.83	0.00	0.00	0250	PULVERIZER FEEDERS; 1-C FEEDER PLUGGED COULD HAVE PUT OIL IN TO MAKE FULL LOAD
0051	NC	09/07/2010 22:00	09/08/2010 11:00	13.00	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; MILL AMPS SPIKING CAUSING FEEDER RUNBACKS. FOUND NO PROBLEMS.
0052	NC	09/08/2010 16:09	09/08/2010 17:10	1.02	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; MILL AMPS SPIKING CAUSING FEEDER RUN BACKS. STILL FOUND NO PROBLEM IN MILL.
0054	D1	09/22/2010 03:39	09/22/2010 20:45	17.10	12.94	1,128.60	9920	CONTRACTOR ERROR; A CONTRACTOR BUMP THE DISCH. VLV. SOLENOID AND CLOSED DISCH. VLVs. MILL FILLED WITH CO
0053	D1	09/22/2010 08:09	09/22/2010 12:55	4.77	2.16	0.00	0310	PULVERIZER MILLS; 1-A MILL HAD A BAD JOURNAL BEARING

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0055	D1	09/23/2010 04:50	09/23/2010 05:35	0.75	10.78	41.25	0250	PULVERIZER FEEDERS; CONCRETE PLUGGED 1-D FEEDER
0056	NC	09/23/2010 12:55	09/24/2010 12:46	23.85	0.00	0.00	0310	PULVERIZER MILLS; BAD JOURNAL..MADE FULL LOAD WITH 4 MILLS.
0057	D1	09/24/2010 08:56	09/24/2010 12:20	3.40	4.90	85.00	0300	PULVERIZER MOTORS AND DRIVES; HIGH MTR AMPS. STILL HAVE NOT FOUND THE PROBLEM.
0058	NC	09/26/2010 13:44	09/27/2010 16:19	26.58	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; MILL INSPECTION TO DETERMINE HIGH AMP PROBLEM
0059	D1	10/06/2010 11:01	10/06/2010 12:12	1.18	16.67	100.58	4560	GENERATOR VIBRATION (NOT INCLUDING VIBRATION DUE TO FAILED BEARING AND OTHER COMPONENTS); #9 BEARING VIB. WENT HIGH CUT LOAD, RAISED H2 PSI UNTIL SETTLED OUT
0060	MO	10/09/2010 00:21	10/11/2010 06:45	54.40	100.00	27,744.00	3440	HIGH PRESSURE HEATER TUBE LEAKS; 7-A HIGH PRESS. HTR TUBE LEAKS. GOING TO RS @ 06:45 10/11
0061	RS	10/11/2010 06:45	10/12/2010 03:08	20.38	0.00	0.00	0000	RESERVE SHUTDOWN;
0063	D1	10/12/2010 23:35	10/13/2010 08:44	9.15	9.80	457.50	0300	PULVERIZER MOTORS AND DRIVES; HIGH MOTOR AMPS CAUSING RUN BACKS. WE HAD 3 MILLS OF PRB.
0064	NC	10/13/2010 12:20	10/13/2010 13:10	0.83	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; HIGH MOTOR AMPS CAUSING RUN BACKS. WE HAD 4 MILLS OF HIGH BTU COAL.
0065	U1	10/26/2010 18:15	10/27/2010 12:15	18.00	100.00	9,180.00	3330	CONDENSATE VALVES; THE VALVE STEM ON THE CONDENSATE CONTROL VALVE BROKE.
0067	D1	10/27/2010 12:16	10/27/2010 12:58	0.70	91.18	325.50	4499	OTHER STEAM TURBINE PROBLEMS; TURBINE LOAD WARMING PERIOD AFTER START-UP
0066	D1	10/27/2010 18:22	10/27/2010 19:50	1.47	7.06	52.80	0300	PULVERIZER MOTORS AND DRIVES; HIGH AMPS ON 1-E PULVERIZER MOTOR CAUSING FEEDER RUN-BACKS
0068	NC	10/28/2010 09:35	10/28/2010 10:10	0.58	0.00	0.00	0280	PULVERIZER FIRES; 1-B MILL FIRE. COULD HAVE PUT OIL IN TO MAKE FULL LOAD
0069	D1	10/29/2010 22:00	10/30/2010 09:55	11.92	12.75	774.58	0300	PULVERIZER MOTORS AND DRIVES; 1-A MILL AMPS SPIKING CAUSING FEEDER RUN-BACKS
0070	D1	10/30/2010 09:55	10/30/2010 15:30	5.58	4.90	139.58	0300	PULVERIZER MOTORS AND DRIVES; 1-A MILL RUNNING HIGH AMPS CAUSING FEEDER RUN-BACKS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0071	D1	10/30/2010 16:45	10/30/2010 17:15	0.50	6.86	17.50	0250	PULVERIZER FEEDERS; 1-C FEEDER TRIPPED CAUSING O2 PROBLEMS AND PRESSURE SWINGS
0072	U1	10/31/2010 10:03	10/31/2010 14:26	4.38	100.00	2,235.50	4550	GENERATOR BEARINGS AND LUBE OIL SYSTEM (INCLUDING THRUST BEARINGS ON HYDRO UNITS); GEN. BEARING VIBRATION WENT HIGH ON #9 BEARING, CAUSING A TURBINE TRIP.
0073	D1	10/31/2010 20:19	10/31/2010 22:05	1.77	14.31	128.97	8550	ELECTROSTATIC PRECIPITATOR FOULING; HIGH OPACITY DUE TO OIL COATING PRECIPITS DURING START UP.
0074	D1	11/01/2010 13:42	11/01/2010 15:37	1.92	4.90	47.92	0250	PULVERIZER FEEDERS; 1-C FEEDER SPEED WENT TO BAD QUALITY CAUSING A BAD PRESSURE SWING.
0075	D3	11/08/2010 09:15	11/08/2010 13:20	4.08	9.80	204.17	0250	PULVERIZER FEEDERS; 2-B FEEDER HAD A SMALL TEAR. WE DECIDED TO FIX IT SINCE THE LOAD WAS NOT CRITICAL.
0076	NC	12/05/2010 07:03	12/05/2010 08:47	1.73	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 2-B PRIMARY AIR DUCT EXPLOSION DOOR RUPTURED.
0077	D1	12/08/2010 14:01	12/08/2010 14:10	0.15	10.78	8.25	4613	HYDROGEN SEALS; H2 SEAL RUB CAUSING HIGH VIBRATION IN #9 BEARING.
0078	D1	12/10/2010 02:10	12/10/2010 10:11	8.02	18.82	769.60	1150	SECOND SUPERHEATER SLAGGING & FOULING; BOILER FOULING
0079	U1	12/10/2010 10:11	12/16/2010 07:56	141.75	100.00	72,292.50	1150	SECOND SUPERHEATER SLAGGING & FOULING; BOILER PLUGGED, UNIT TAKEN OFF LINE TO DYNAMITE BOILER & WASH SLOPE
0080	D4	12/23/2010 01:00	12/23/2010 03:36	2.60	47.06	624.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 1-A BOILER FEED PMP HYDRAULIC EH CYLINDER REPLACEMENT
0085	NC	12/23/2010 09:15	12/23/2010 10:40	1.42	0.00	0.00	4309	OTHER TURBINE INSTRUMENT AND CONTROL PROBLEMS; AGC OVER-SHOT SET POINT.
0081	D1	12/25/2010 07:00	12/25/2010 15:18	8.30	35.88	1,518.90	4899	OTHER GENERATOR PROBLEMS; REPLACED THE GENERATOR NEUTRAL GROUND WIRE. LOOSE CONNECTION.
0082	U1	12/25/2010 15:18	12/25/2010 23:10	7.87	100.00	4,012.00	4899	OTHER GENERATOR PROBLEMS; REPAIR NEUTRAL GROUND WIRE.
0083	D1	12/26/2010 22:44	12/26/2010 23:16	0.53	6.86	18.67	0250	PULVERIZER FEEDERS; 1-D FEEDER HAD CONCRETE IN IT.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0084	D1	12/27/2010 05:20	12/27/2010 06:24	1.07	7.06	38.40	0250	PULVERIZER FEEDERS; 1-A FEEDER PLUGGED WITH CONCRETE
0086	D1	12/28/2010 03:45	12/28/2010 07:30	3.75	6.86	131.25	0280	PULVERIZER FIRES; PUT OUT FIRE IN MILL AND INSPECTED.
0087	D1	12/30/2010 22:30	12/31/2010 04:20	5.83	16.67	495.83	0310	PULVERIZER MILLS; JOURNAL BAD IN 1-C MILL.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	D1	01/03/2010 02:37	01/03/2010 02:50	0.22	25.49	28.17	9270	WET COAL (OMC); 2E FEEDER TRIP. CLEANED PLUGGING SWITCH AND RESTARTED FEEDER.
0002	D1	01/06/2010 15:55	01/06/2010 18:05	2.17	26.47	292.50	0310	PULVERIZER MILLS; CHECK 2A MILL FOR NOISE. REPLACED TOP HAT SPRING.
0003	D1	01/13/2010 06:00	01/13/2010 07:00	1.00	19.02	97.00	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP. CLEANED PLUGGING SWITCH ON 2E FEEDER.
0004	D1	01/13/2010 10:00	01/13/2010 11:00	1.00	14.31	73.00	0880	FLY ASH REMOVAL SYSTEM (NOT PRECIPITATORS, SCRUBBERS, MECHANICAL COLLECTORS, OR BAGHOUSES); CUT LOAD TO PULL BOTH BOILER SIDE ROWS OF HOPPERS.
0005	D1	01/21/2010 18:00	01/22/2010 09:00	15.00	5.88	450.00	9270	WET COAL (OMC); WET COAL LIMIT LOAD.
							0340	CONTRIBUTED TO PRIMARY CAUSE; OTHER PULVERIZER PROBLEMS; 2-D MILL OUT FOR BROKEN SHAFT REPAIR.
0006	D1	01/27/2010 05:51	01/27/2010 06:24	0.55	27.45	77.00	9270	WET COAL (OMC); 2-E FEEDER PLUGGED.
							0340	CONTRIBUTED TO PRIMARY CAUSE; OTHER PULVERIZER PROBLEMS; 2-D MILL REPAIR CONT.
0007	D1	01/27/2010 22:00	01/27/2010 23:42	1.70	31.96	277.10	0250	PULVERIZER FEEDERS; 2-B FEEDER RUNBACK DUE TO BUILD-UP UNDER FEEDER ROLLERS.
							0340	CONTRIBUTED TO PRIMARY CAUSE; OTHER PULVERIZER PROBLEMS; 2-D MILL REPAIR CONTINUE.
0008	D1	01/31/2010 08:03	01/31/2010 08:45	0.70	25.49	91.00	9270	WET COAL (OMC); 2-E FEEDER PLUGGED
							0340	MAJOR COMPONENT WORKED DURING EVENT; OTHER PULVERIZER PROBLEMS; 2-D MILL REPAIR
0009	D1	02/01/2010 06:25	02/01/2010 12:50	6.42	29.41	962.50	0250	PULVERIZER FEEDERS; 2E FEEDER TRIP DUE TO LARGE BUNDLE OF WIRE. REMOVED FROM FEEDER.
							0320	CONTRIBUTED TO PRIMARY CAUSE; FOREIGN OBJECT IN PULVERIZER MILL; REMOVED WIRE AND METAL FROM 2E MILL.
0010	D1	02/06/2010 18:24	02/06/2010 20:10	1.77	4.51	40.63	0310	PULVERIZER MILLS; 2E MILL NOT GRINDING. LOOKED IN MILL FOUND BOWL FULL OF COAL.

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0011	D1	02/13/2010 07:25	02/13/2010 12:06	4.68	16.47	393.40	0340	OTHER PULVERIZER PROBLEMS; 2D MILL EXPANSION JOINT BLEW OUT. MAINT. REPAIRED THE SAME.
0014	D1	02/23/2010 02:20	02/23/2010 08:20	6.00	31.37	960.00	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 2A BFPT OUT OF SVC. DUE TO FIRE
0013	D1	02/23/2010 10:00	02/23/2010 12:00	2.00	31.37	320.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; TOOK 2A BFPT OUT OF SVC. FOR MAINT. TO CHECK TERMINAL BLOCK FOR THE LP GOVERNOR VALVE
0012	PO	02/26/2010 22:25	03/15/2010 08:46	393.35	100.00	200,608.50	1590 1812	STACKS; COMMON STACK REPAIR MAJOR COMPONENT WORKED DURING EVENT; BOILER INSPECTIONS - SCHEDULED OR ROUTINE; BOILER INSPECTION
0015	D1	03/31/2010 16:30	03/31/2010 20:18	3.80	9.80	190.00	0310	PULVERIZER MILLS; 2D MILL JOURNAL WENT BAD, REPLACED
0016	D1	04/08/2010 15:00	04/08/2010 18:35	3.58	5.88	107.50	0310	PULVERIZER MILLS; 2D MILL S.W. JOURNAL WENT BAD, REPLACED
0017	D4	04/13/2010 09:59	04/13/2010 12:55	2.93	68.63	1,026.67	3110	CONDENSER TUBE LEAKS; CHECKING FOR CONDENSER TUBE LEAK. TOOK 1 CIRC.PUMP OFF WITH Crossover CLOSED. NO LEAK.
0018	D1	04/23/2010 21:20	04/24/2010 02:30	5.17	12.16	320.33	0250	PULVERIZER FEEDERS; CLEAN-OUT CHAIN BROKE ON 2C FEEDER, ALSO BROKE BELT
0020	MO	04/27/2010 22:02	04/29/2010 18:37	44.58	100.00	22,737.50	3431	OTHER FEEDWATER VALVES; 2B BOILER FEED PUMP DISCHARGE VALVE REPAIRS (ADDED 6 HRS.FOR HOT STARTUP TIME)
0019	RS	04/29/2010 18:37	05/03/2010 08:14	85.62	0.00	0.00	0000	RESERVE SHUTDOWN; TO RS FROM MO
0021	D1	05/03/2010 17:35	05/03/2010 18:00	0.42	99.80	212.08	0590	DESUPERHEATER/ATTEMPERATOR VALVES; BOILER TRIPPED ON HIGH SUPERHEAT TEMPERATURE
0022	D1	05/04/2010 17:45	05/04/2010 21:50	4.08	21.57	449.17	0590	DESUPERHEATER/ATTEMPERATOR VALVES; LOSS OF CONTROL OF SUPERHEAT SPRAY WATER
0023	D1	05/05/2010 07:00	05/06/2010 15:00	32.00	21.57	3,520.00	0310	PULVERIZER MILLS; D&E MILLS TOPPED OUT IN AMPS REQUIRING THEM TO BE BIASED BACK.
0024	D1	05/07/2010 10:44	05/07/2010 12:30	1.77	20.39	183.73	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0025	D1	05/07/2010 14:50	05/07/2010 21:20	6.50	13.73	455.00	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0026	D1	05/08/2010 10:08	05/08/2010 12:05	1.95	24.12	239.85	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0027	D1	05/08/2010 16:17	05/08/2010 21:20	5.05	24.12	621.15	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0028	D1	05/09/2010 20:04	05/09/2010 21:05	1.02	15.69	81.33	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0029	D1	05/10/2010 15:00	05/10/2010 17:00	2.00	10.39	106.00	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0030	D1	05/10/2010 17:00	05/10/2010 22:10	5.17	8.82	232.50	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0031	D1	05/11/2010 08:15	05/11/2010 11:17	3.03	10.39	160.77	0310	PULVERIZER MILLS; TOOK 2E MILL OFF FOR INSPECTION INSPECTED JOURNALS & CLASSIFIER
0032	D1	05/11/2010 11:17	05/11/2010 13:50	2.55	24.31	316.20	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0033	D1	05/11/2010 13:50	05/11/2010 16:05	2.25	33.73	387.00	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0034	D1	05/11/2010 16:05	05/12/2010 00:10	8.08	29.80	1,228.67	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0035	D1	05/13/2010 12:45	05/13/2010 15:47	3.03	20.78	321.53	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0036	D1	05/14/2010 16:52	05/14/2010 22:21	5.48	19.80	553.82	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; HIGH OPACITY
0044	D1	05/16/2010 15:25	05/16/2010 18:05	2.67	32.55	442.67	0030	COAL CONVEYORS AND FEEDERS; COULD NOT FILL BUNKERS DUE TO COAL CAVE-IN, LEVELS LOW IN BUNKERS, CUT LOAD
0038	D1	05/19/2010 17:07	05/19/2010 18:19	1.20	22.35	136.80	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; O2 FELL OUT, PRESSURE FALLING OFF FAST, UNKNOWN REASON.
0037	D1	05/20/2010 11:35	05/20/2010 11:47	0.20	17.25	17.60	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; SUDDEN THROTTLE PRESSURE DROP, REASON UNKNOWN. REDUCED LOAD UNTIL PRESSURE INCREASED.

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0039	D1	05/22/2010 09:30	05/22/2010 15:05	5.58	11.76	335.00	0310	PULVERIZER MILLS; NOISE IN 2E MILL, REPLACED BAD JOURNAL
0040	D4	05/23/2010 23:20	05/24/2010 00:33	1.22	99.80	619.28	0360	BURNERS; LOOKING IN BOILER TO CK.FOR ANYTHING ON BURNER CORNERS THAT IS NOT RIGHT.
0041	D1	06/04/2010 00:10	06/04/2010 16:00	15.83	16.08	1,298.33	0300	PULVERIZER MOTORS AND DRIVES; 2D MILL MOTOR TRIPPED OFF - REPLACED MOTOR
0042	D4	06/04/2010 22:00	06/05/2010 04:00	6.00	64.71	1,980.00	3110	CONDENSER TUBE LEAKS; CHECK FOR CONDENSER TUBE LEAKS - COULD NOT FIND
0043	D1	06/08/2010 17:00	06/08/2010 17:48	0.80	22.55	92.00	0250	PULVERIZER FEEDERS; 2A FEEDER PLUGGED
0058	D1	06/19/2010 07:39	06/19/2010 09:02	1.38	4.12	29.05	0270	PRIMARY AIR DUCTS AND DAMPERS; 2-E MILL EXPLOSION DOOR BLEW OUT
0045	MO	06/26/2010 02:16	06/28/2010 01:35	47.32	100.00	24,131.50	1150	SECOND SUPERHEATER SLAGGING & FOULING; REMOVED BOILER SLAGGING & REPAIRED BURNER TILT
							0362	MAJOR COMPONENT WORKED DURING EVENT; BURNER TILTS; REPAIRED BURNER TILT
							3110	MAJOR COMPONENT WORKED DURING EVENT; CONDENSER TUBE LEAKS; PLUGGED 6 CONDENSER TUBE LEAKS
0046	D1	06/29/2010 21:20	06/29/2010 21:36	0.27	55.88	76.00	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; BOILER CONTROLS GOT IN A SWING CAUSING A BOILER TRIP ON DRUM LEVEL
0047	D1	06/29/2010 21:36	06/29/2010 21:41	0.08	99.80	42.42	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; BOILER CONTROLS GOT IN A SWING CAUSING A BOILER TRIP ON DRUM LEVEL
0048	U1	06/29/2010 21:41	06/30/2010 01:27	3.77	100.00	1,921.00	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; BOILER CONTROLS GOT IN A SWING CAUSING A BOILER TRIP ON DRUM LEVEL
0049	NC	07/14/2010 05:00	07/14/2010 05:33	0.55	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; REPLACED MOTOR ON 2B MILL HOT AIR DAMPER.
0050	D1	07/22/2010 16:20	07/22/2010 16:40	0.33	18.63	31.67	1710	COMBUSTION / STEAM CONDITION CONTROLS; BOILER CONTROLS MALFUNCTION - BAD PRESSURE SWING

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0051	D1	07/24/2010 15:54	07/24/2010 16:13	0.32	24.51	39.58	3441	OTHER HIGH PRESSURE HEATER PROBLEMS; #6 HEATER LEVEL TRANSMITTER SWINGING, EXTRACTIONS VALVES CLOSED
0052	U1	08/01/2010 14:36	08/01/2010 17:19	2.72	100.00	1,385.50	3271	INTAKE GRATING FOULING; ONE OF THE INTAKE SCREENS BROKE LOST GSW TO UNIT 2.
0053	D1	08/02/2010 08:20	08/02/2010 09:30	1.17	60.78	361.67	3271	INTAKE GRATING FOULING; HAD TO TAKE A COND. CIRC PUMP OFF TO RAISE A SCREEN STOP LOG.
0054	D1	08/09/2010 22:32	08/10/2010 09:00	10.47	10.39	554.73	0250	PULVERIZER FEEDERS; 2E FEEDER REDUCTION GEAR FAILED.
0055	D1	09/04/2010 01:30	09/04/2010 04:00	2.50	16.67	212.50	0250	PULVERIZER FEEDERS; 2-A FEEDER AND CLASSIFIER PLUGGED
0056	D1	09/07/2010 20:00	09/07/2010 22:20	2.33	7.84	93.33	0256	SEAL AIR SYSTEM (AIR TO PULVERIZERS); SEAL AIR LINE BROKE TO 2B MILL.
0057	D1	09/09/2010 10:05	09/09/2010 12:45	2.67	90.98	1,237.33	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); HAD A BAD PRB COAL LEAK ON 2-C MILL
0059	D1	09/23/2010 11:49	09/23/2010 18:00	6.18	4.90	154.58	0270	PRIMARY AIR DUCTS AND DAMPERS; P.A. TURNING VANES DISLODGED AND WENT INTO 2-D MILL
0060	D1	09/27/2010 14:25	09/27/2010 17:07	2.70	11.37	156.60	0250	PULVERIZER FEEDERS; 2-E FEEDER TORN BELT. HAD TO REPLACE
0061	D4	09/28/2010 07:30	09/28/2010 10:30	3.00	2.94	45.00	0250	PULVERIZER FEEDERS; CALIBRATED 2-E FEEDER AFTER BELT REPLACEMENT
0062	D1	09/29/2010 15:35	09/29/2010 16:50	1.25	7.06	45.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); COAL LEAK ON 2-C MILL DISCHARGE LINE.
0063	D1	10/05/2010 06:55	10/05/2010 08:00	1.08	65.10	359.67	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2-A ID FAN DISCH. DAMPER LINKAGE BROKE THE DAMPER WENT CLOSED
0064	D1	10/05/2010 12:40	10/05/2010 13:05	0.42	65.10	138.33	1480	OTHER INDUCED DRAFT FAN PROBLEMS; 2-A ID FAN DAMPER WENT CLOSE WHILE MAINT. WAS WORKING ON BROKEN LINKAGE
0065	D4	10/07/2010 06:30	10/07/2010 07:30	1.00	16.67	85.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 2E MILL EXPLOSION DOOR LEAKING. FLEET SAID IT WAS A GOOD TIME TO GO AHEAD & REPLACE IT

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0066	D1	10/18/2010 18:31	10/18/2010 18:37	0.10	15.29	7.80	0267	PRIMARY AIR FLOW INSTRUMENTATION; PRIMARY AIR FLOW TO THE MILL FELL OFF. BLEW OUT DP TAPS
0067	D1	10/18/2010 21:00	10/19/2010 03:30	6.50	4.90	162.50	0320	FOREIGN OBJECT IN PULVERIZER MILL; LARGE METAL OBJECT IN MILL CAUSED JOURNAL DAMAGE. CHANGED OUT JOURNAL
0068	NC	10/19/2010 08:00	10/19/2010 16:35	8.58	0.00	0.00	0310	PULVERIZER MILLS; 2-B MILL HAD A JOURNAL FAILURE. COULD ACHIEVE FULL LOAD BY BURNING LIGHTER OIL
0069	D1	10/28/2010 11:45	10/28/2010 13:42	1.95	16.67	165.75	0310	PULVERIZER MILLS; 2-E MILL JOURNAL FAILURE
0070	D1	11/20/2010 06:05	11/20/2010 06:48	0.72	45.10	164.83	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2-B BFPT WOULD NOT LATCH PREVENTING ROLL-OFF
0071	D1	11/22/2010 12:00	11/22/2010 12:23	0.38	16.67	32.58	0270	PRIMARY AIR DUCTS AND DAMPERS; 2-E MILL PRIMARY AIR DUCT EXPLOSION DOOR RUPTURED.
0072	NC	11/26/2010 11:10	11/26/2010 14:55	3.75	0.00	0.00	0346	PULVERIZER PYRITE REMOVAL SYSTEM; HAD TO ADJUST SCRAPPERS IN 2-D MILL
0073	D1	11/29/2010 20:04	11/29/2010 20:13	0.15	20.59	15.75	0253	PULVERIZER FEEDER MOTOR; 2-B FEEDER TRIPPED
0074	D1	12/05/2010 17:25	12/06/2010 02:58	9.55	3.92	191.00	0280	PULVERIZER FIRES; 2-B PULVERIZER FIRE
0075	NC	12/06/2010 02:58	12/06/2010 16:20	13.37	0.00	0.00	0280	PULVERIZER FIRES; 2B MILL OUT FOR MAINT. TO INSPECT AFTER POSSIBLE FIRE IN MILL
0076	D1	12/12/2010 18:48	12/12/2010 19:12	0.40	8.82	18.00	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED, MOTOR STARTER TRIP
0077	D1	12/12/2010 19:38	12/13/2010 01:26	5.80	8.63	255.20	0250	PULVERIZER FEEDERS; 2B FEEDER TRIPPED, MOTOR STARTER
0078	D1	12/17/2010 13:00	12/19/2010 14:55	49.92	24.51	6,239.58	0280	PULVERIZER FIRES; FIRE IN 2-B MILL DISCHARGE PIPES.
0079	D1	12/20/2010 09:31	12/20/2010 13:45	4.23	19.61	423.33	0280	PULVERIZER FIRES; INSPECT MILL AND COAL PIPING FROM FIRE
0080	D1	12/23/2010 21:00	12/23/2010 22:00	1.00	6.86	35.00	1455	INDUCED DRAFT FANS; ID FAN HIGH AMPS
0082	D1	12/25/2010 17:30	12/25/2010 18:02	0.53	4.90	13.33	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 2-A MILL COAL PIPE LEAK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0081	D1	12/26/2010 09:10	12/26/2010 14:00	4.83	14.71	362.50	0346	PULVERIZER PYRITE REMOVAL SYSTEM; 2-D MILL SCRAPER REPAIR
0083	RS	12/31/2010 12:19	01/01/2011 00:00	11.68	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET REQUESTED THAT WE TAKE UNIT 2 OFF.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 4								
0001	SE	01/01/2011 00:00	02/09/2011 17:00	953.00	100.00	71,475.00	4280	LUBE OIL PUMPS; MAIN LUBE OIL PUMP REPAIRS
0002	RS	02/09/2011 17:00	03/07/2011 15:47	622.78	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0003	RS	03/22/2011 11:37	03/28/2011 06:00	138.38	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0004	MO	03/28/2011 06:00	03/30/2011 09:00	51.00	100.00	3,825.00	4040	BEARINGS - HP TURBINE; REPAIRED TURBINE BEARINGS
0005	RS	03/30/2011 09:00	05/10/2011 04:08	979.13	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0006	RS	05/16/2011 10:53	05/29/2011 13:26	314.55	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT RS
0007	MO	06/15/2011 09:30	06/17/2011 06:07	44.62	100.00	3,346.25	1080	ECONOMIZER TUBE LEAKS; ECON TUBE LEAK
0008	RS	09/08/2011 14:59	09/27/2011 10:09	451.17	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
Crist 5								
0002	RS	01/01/2011 00:00	01/04/2011 22:53	94.88	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0001	NC	01/01/2011 00:00	02/03/2011 08:50	800.83	0.00	0.00	3210	CIRCULATING WATER PUMPS; A CIRCULATOR OUT FOR REBUILD
0003	D4	01/23/2011 00:27	01/23/2011 19:20	18.88	34.67	490.97	3110	CONDENSER TUBE LEAKS; TUBE LEAK ON A SIDE
0004	U1	02/14/2011 11:23	02/14/2011 13:12	1.82	100.00	136.25	9900	OPERATOR ERROR; LOST FEEDER
0005	RS	03/08/2011 11:31	03/21/2011 15:46	315.25	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0006	D2	06/25/2011 12:45	06/26/2011 00:15	11.50	46.67	402.50	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER TUBE LEAK
0007	D2	07/12/2011 10:15	07/12/2011 14:15	4.00	46.67	140.00	3110	CONDENSER TUBE LEAKS; A SIDE TUBE LEAK
0008	D2	08/30/2011 03:23	08/31/2011 00:08	20.75	22.67	352.75	3110	CONDENSER TUBE LEAKS; B SIDE CONDENSER LEAK
0009	RS	09/15/2011 23:37	09/24/2011 00:00	192.38	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0010	PO	09/24/2011 00:00		168.00	100.00	12,600.00	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); HP/IP TURBINE REBUILD
							4830	MAJOR COMPONENT WORKED DURING EVENT; MAJOR GENERATOR OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); GENERATOR REWIND

Event Listing With All Reported Cause Codes

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 6								
0001	NC	01/22/2011 08:15	02/09/2011 13:02	436.78	0.00	0.00	0260	PRIMARY AIR FAN; 6A PA FAN FAILED
0002	D1	01/23/2011 09:10	01/23/2011 16:46	7.60	36.43	805.60	0359	GAS BURNER PIPING AND VALVES; GAS BURNER PIPING LEAKING
0003	NC	01/30/2011 07:45	02/11/2011 12:09	292.40	0.00	0.00	3235	COOLING TOWER BOOSTER PUMP; A COOLING TOWER BOOSTER PUMP FAILED.
0004	PO	02/11/2011 12:09	05/16/2011 14:00	2256.85	100.00	656,743.35	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE
0006	D1	05/18/2011 15:23	05/18/2011 20:54	5.52	17.53	281.35	0876	SOOT BLOWER CONTROLS; TEMPS HIGH DUE TO SOOTBLOWER ISSUES
0005	U2	05/18/2011 20:54	05/19/2011 12:10	15.27	100.00	4,442.60	1090	OTHER TUBE LEAKS; LEAK IN PARTITION WALL
0007	MO	05/19/2011 12:10	05/21/2011 03:17	39.12	100.00	11,382.95	1810	OTHER BOILER INSPECTIONS; PLACED ON MO FOR BOILER INSPECTION OF NEW TUBES
0008	U2	05/29/2011 03:14	05/30/2011 21:20	42.10	100.00	12,251.10	1090	OTHER TUBE LEAKS; LEAK IN HRA TUBE
0009	MO	05/30/2011 21:20	06/01/2011 10:40	37.33	100.00	10,864.00	1488	AIR HEATER (REGENERATIVE); MO FOR APH WASH
0010	MO	06/02/2011 10:07	06/03/2011 10:20	24.22	100.00	7,047.05	1090	OTHER TUBE LEAKS; PARTITION WALL TUBE LEAK
0011	MO	06/17/2011 19:41	06/20/2011 01:21	53.67	100.00	15,617.00	1000	WATERWALL (FURNACE WALL); WATERWALL LEAK
0012	NC	06/29/2011 09:00	06/29/2011 15:47	6.78	0.00	0.00	0310	PULVERIZER MILLS; C MILL OUT FOR REPAIRS
0013	NC	06/29/2011 15:48	06/30/2011 12:55	21.12	0.00	0.00	0310	PULVERIZER MILLS; B MILL OUT FOR REPAIRS
0014	MO	07/01/2011 22:15	07/04/2011 10:00	59.75	100.00	17,387.25	1350	OTHER TUBE PROBLEMS; REPLACED ORIFICES IN THE HRA SIDEWALLS
0020	D2	07/22/2011 20:40	07/23/2011 11:20	14.67	10.65	454.67	1493	AIR HEATER FOULING (REGENERATIVE); A APH PLUGGED
0015	D2	07/23/2011 11:20	07/24/2011 14:36	27.27	14.09	1,117.93	1493	AIR HEATER FOULING (REGENERATIVE); A APH PLUGGED
0016	D2	07/24/2011 14:36	07/25/2011 20:28	29.87	24.40	2,120.53	1493	AIR HEATER FOULING (REGENERATIVE); A APH PLUGGED
0017	MO	07/25/2011 20:28	07/29/2011 04:49	80.35	100.00	23,381.85	1493	AIR HEATER FOULING (REGENERATIVE); A APH WASH
0018	D2	07/29/2011 16:48	08/04/2011 21:58	149.17	12.37	5,370.00	1493	AIR HEATER FOULING (REGENERATIVE); A APH PLUGGED

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0019	D2	07/31/2011 10:48	08/01/2011 05:38	18.83	57.04	2,448.33	1488	AIR HEATER (REGENERATIVE); A APH COUPLING FAILED
0021	MO	08/04/2011 21:58	08/09/2011 18:00	116.03	100.00	33,765.70	1493	AIR HEATER FOULING (REGENERATIVE); AIR HEATER WASH
0022	D1	08/27/2011 12:15	08/27/2011 14:20	2.08	17.53	106.25	0360	BURNERS; B4 BURNER REMOVED FROM SERVICE
0023	U2	09/04/2011 02:21	09/04/2011 06:41	4.33	100.00	1,261.00	4293	HYDRAULIC SYSTEM PIPES AND VALVES; EHC LEAK ON MAIN TURBINE
0024	U2	09/26/2011 12:10	09/27/2011 05:30	17.33	100.00	5,044.00	1040	FIRST SUPERHEATER TUBE LEAKS; HRA SIDEWALL TUBE LEAK
0025	RS	09/27/2011 05:30	09/27/2011 19:50	14.33	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Crist 7								
0001	PD	01/01/2011 00:00	01/08/2011 00:00	168.00	2.15	1,680.00	3210	CIRCULATING WATER PUMPS; A CWP TAKEN OUT OF SERVICE BEFORE THE PLANNED OUTAGE DUE TO LONG LEAD TIME REPAIR
0002	RS	01/06/2011 13:00	01/08/2011 00:00	35.00	0.00	0.00	0000	RESERVE SHUTDOWN; UNIT ON RS
0003	PO	01/08/2011 00:00	02/08/2011 15:20	759.33	100.00	353,090.00	1800	MAJOR BOILER OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); PLANNED OUTAGE
							3210	MAJOR COMPONENT WORKED DURING EVENT; CIRCULATING WATER PUMPS; REPAIRING CIRCULATING WATER PUMP
0005	PD	02/08/2011 15:20	02/14/2011 15:00	143.67	2.15	1,418.33	3210	CIRCULATING WATER PUMPS; CIRCULATOR OUT FOR REPAIRS DUE TO LONG LEAD TIME ON PARTS
0004	U1	02/10/2011 08:00	02/10/2011 09:50	1.83	100.00	852.50	8817	SCR CONTROL SYSTEM; SCR DAMPER DRIFTED CLOSED AND TRIPPED THE UNIT
0009	NC	02/12/2011 01:57	02/25/2011 11:45	321.80	0.00	0.00	8274	SCRUBBER BOOSTER F.D. FAN BLADES (FAN SPECIFIC TO THE SCRUBBER); B BOOSTER FAN OUT FOR REPAIR
0006	U1	02/17/2011 05:56	02/17/2011 19:04	13.13	100.00	6,107.00	3611	SWITCHYARD CIRCUIT BREAKERS-EXTERNAL (OMC); A DISCONNECT IN THE SWITCHYARD FAILED
0007	D1	02/18/2011 18:41	02/19/2011 16:08	21.45	44.09	4,397.25	0263	PRIMARY AIR FAN DRIVES; B PA FAN MOTOR FAILED
0010	NC	02/26/2011 14:43	04/01/2011 10:36	810.88	0.00	0.00	8274	SCRUBBER BOOSTER F.D. FAN BLADES (FAN SPECIFIC TO THE SCRUBBER); A BOOSTER FAN OUT FOR REPAIR
0008	U1	03/04/2011 17:26	03/04/2011 18:30	1.07	100.00	496.00	3330	CONDENSATE VALVES; CONDENSATE PUMPS CAVITATED DUE TO FAILED PUMP SUCTION VALVE DURING MAINTENANCE
0011	D4	03/17/2011 22:08	03/18/2011 04:00	5.87	46.24	1,261.33	3415	FEEDWATER PUMP/DRIVE LUBE OIL SYSTEM; CHANGED OIL IN A BFPT
0013	D4	04/07/2011 04:12	04/07/2011 20:16	16.07	46.24	3,454.33	0260	PRIMARY AIR FAN; INSPECTED A PA FAN BEARINGS
0012	NC	04/12/2011 16:30	04/14/2011 09:40	41.17	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN F MILL NFL AVAIL WITH OIL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0015	NC	05/02/2011 21:13	05/05/2011 00:00	50.78	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; METAL IN C MILL, NFL AVAIL WITH SUPPORT FUEL
0014	NC	05/04/2011 06:00	05/07/2011 11:00	77.00	0.00	0.00	8230	DUCTING; REPAIRED LEAKING DUCT
0016	D1	05/12/2011 10:26	05/12/2011 11:04	0.63	96.77	285.00	9900	OPERATOR ERROR; MFT DUE TO SH TEMP EXCEEDING 1050 DEG
0017	MO	05/27/2011 23:50	05/30/2011 12:25	60.58	100.00	28,171.25	0891	BOTTOM ASH HOPPERS (INCLUDING GATES); MO FOR INNER ASH HOPPER DOOR REPAIR
0018	D1	06/23/2011 12:56	06/23/2011 14:45	1.82	87.10	735.75	3661	4000-7000 VOLT CIRCUIT BREAKERS; C BUS AND SCR BUS TRIPPED WHICH CAUSED MFT
0019	D1	06/23/2011 20:20	06/24/2011 01:35	5.25	65.59	1,601.25	1400	FORCED DRAFT FANS; A FD INLET DAMPER NEEDED REPAIRING
0021	NC	06/26/2011 07:17	06/29/2011 11:04	75.78	0.00	0.00	0310	PULVERIZER MILLS; C MILL OUT FOR REPAIRS
0020	U2	06/28/2011 10:00	06/29/2011 06:12	20.20	100.00	9,393.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; H2 PIPING LEAK
0022	NC	07/18/2011 06:45	07/22/2011 19:00	108.25	0.00	0.00	3311	CONDENSATE/HOTWELL PUMP MOTOR; A CONDENSATE PUMP MOTOR UPPER BEARING FAILED
0023	D1	07/19/2011 15:42	07/19/2011 16:58	1.27	62.37	367.33	3622	STATION SERVICE STARTUP TRANS FORMER; TRANSFORMER TRIPPED DUE TO 4/5 BOOSTER PUMP STARTING
0024	D2	07/20/2011 07:20	07/20/2011 08:40	1.33	51.61	320.00	1400	FORCED DRAFT FANS; A FD INLET VANE DAMPER REPAIR
0026	D2	08/12/2011 10:00	08/13/2011 23:00	37.00	52.69	9,065.00	1420	OTHER FORCED DRAFT FAN PROBLEMS; A FD FAN INLET VANE DAMAGED
0028	D1	08/13/2011 09:03	08/13/2011 09:46	0.72	99.14	154.80	1420	OTHER FORCED DRAFT FAN PROBLEMS; TEMP EXCURSION DUE TO FD FAN INLET VANE PROBLEMS
0027	D2	08/15/2011 10:00	08/15/2011 14:00	4.00	31.18	580.00	3431	OTHER FEEDWATER VALVES; B BFP MIN FLOW VALVE STUCK OPEN
0029	U1	08/15/2011 20:20	08/15/2011 21:57	1.62	100.00	751.75	3416	OTHER FEEDWATER PUMP PROBLEMS; B BFP OVERSPEED PROBE FAILED AND UNIT TRIPPED DUE TO DRUM LEVEL
0032	D4	08/20/2011 23:51	08/21/2011 02:19	2.47	48.39	555.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); INSPECTED B CONDENSER

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0033	D4	08/23/2011 23:35	08/24/2011 02:20	2.75	48.39	618.75	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); INSPECTED A CONDENSER
0030	D2	08/30/2011 10:30	08/31/2011 15:23	28.88	48.39	1,788.75	3211	CIRCULATING WATER PUMP MOTORS; B CWP MOTOR OIL COOLER LEAK
0031	MO	08/30/2011 18:27	09/02/2011 04:42	58.25	100.00	27,086.25	3230	CIRCULATING WATER VALVES; B CWP DISCHARGE VALVE FAILED
Scholz 1								
0001	RS	01/01/2011 00:00	01/08/2011 17:07	185.12	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HR. STANDBY)
0002	RS	01/15/2011 00:09	04/25/2011 23:59	2422.83	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HOUR STANDBY)
0003	MO	04/25/2011 23:59	05/01/2011 22:10	142.18	100.00	6,540.43	0840	REFRACTORY AND INSULATION; ASBESTOS ABATEMENT IN BOILER.
0004	RS	05/01/2011 22:10	05/31/2011 23:22	721.20	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0005	RS	06/10/2011 23:54	06/13/2011 07:00	55.10	0.00	0.00	0000	RESERVE SHUTDOWN; REVERSE SHUTDOWN, 24 HOUR STANDBY
0006	MO	06/13/2011 07:00	06/15/2011 06:43	47.72	100.00	2,194.97	8550	ELECTROSTATIC PRECIPITATOR FOULING; FOULING OF PRECIPITATORS CAUSED BY LOW SULFUR CONTENT IN COAL
0007	RS	06/15/2011 06:43	06/19/2011 11:59	101.27	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0008	RS	06/22/2011 15:43	06/24/2011 07:00	39.28	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0009	MO	06/24/2011 07:00	06/26/2011 07:00	48.00	100.00	2,208.00	8550	ELECTROSTATIC PRECIPITATOR FOULING; INSPECT , CLEAN PRECIPITATORS - FOULING CAUSED BY LOW SULFUR CONTENT IN COAL
0010	RS	06/26/2011 07:00	07/06/2011 12:35	245.58	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HR. STANDBY
0011	D1	07/30/2011 12:30	08/02/2011 23:00	82.50	10.87	412.50	9270	WET COAL (OMC); WET COAL
0012	RS	09/08/2011 02:49		549.18	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, UNIT ON 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Scholz 2								
0001	RS	01/01/2011 00:00	01/08/2011 18:18	186.30	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN, 24 HOUR STANDBY
0002	RS	01/14/2011 21:14	04/02/2011 00:00	1849.77	0.00	0.00	0000	RESERVE SHUTDOWN; FLEET CALLED FOR UNIT TO GO TO RESERVE SHUTDOWN (24 HOUR STANDBY)
0003	PO	04/02/2011 00:00	04/24/2011 22:34	550.57	100.00	25,326.07	1812	BOILER INSPECTIONS - SCHEDULED OR ROUTINE; INSPECTION/REPAIR OF BOILER
0004	RS	04/24/2011 22:34	06/01/2011 00:36	890.03	0.00	0.00	0000	RESERVE SHUTDOWN;
0005	RS	06/10/2011 21:37	06/15/2011 07:00	105.38	0.00	0.00	0000	RESERVE SHUTDOWN; RESERVE SHUTDOWN, 24 HOUR STANDBY
0006	MO	06/15/2011 07:00	06/17/2011 07:00	48.00	100.00	2,208.00	8550	ELECTROSTATIC PRECIPITATOR FOULING; FOULING OF PRECIPITATORS CAUSED BY LOW SULFUR CONTENT IN COAL
0007	RS	06/17/2011 07:00	06/19/2011 12:12	53.20	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0008	RS	06/22/2011 19:20	06/26/2011 07:00	83.67	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0009	MO	06/26/2011 07:00	06/28/2011 06:39	47.65	100.00	2,191.90	8550	ELECTROSTATIC PRECIPITATOR FOULING; FOULING OF PRECIPITATORS DUE TO LOW SULFUR CONTENT IN COAL
0010	RS	06/28/2011 06:39	07/06/2011 13:43	199.07	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY
0011	D1	07/08/2011 20:30	07/15/2011 14:55	162.42	2.17	162.42	3211	CIRCULATING WATER PUMP MOTORS; 2A CIRCULATING WATER PUMP FAILED / TRIPPED ALL 3 PHASES BAD.
0012	D1	07/29/2011 17:15	07/30/2011 13:15	20.00	50.00	460.00	3440	HIGH PRESSURE HEATER TUBE LEAKS; TUBE LEAK IN #5 HEATER AND SUSPECTED LEAK IN #2 HEATER (NO LEAK FOUND IN #2.)
0013	D1	07/31/2011 14:00	08/02/2011 06:30	40.50	10.87	202.50	9270	WET COAL (OMC); WET COAL
0014	RS	08/12/2011 20:36		1179.40	0.00	0.00	0000	RESERVE SHUTDOWN; 24 HOUR STANDBY

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 1								
0001	D4	01/05/2011 10:00	01/05/2011 12:00	2.00	19.75	64.00	0330	PULVERIZER COAL LEAK (PULVERIZER ONLY); REPLACE TEMPORARY PATCH WITH PERMANENT REPAIR ON 1-B PULVERIZER WINDBOX COAL LEAK.
0002	D4	01/07/2011 09:05	01/07/2011 13:36	4.52	19.75	144.53	0344	PULVERIZER INSPECTION; PERFORMED AN INSPECTION ON 1-A PULVERIZER.
0003	D1	01/08/2011 13:17	01/08/2011 14:02	0.75	19.75	24.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED A PIECE OF METAL FROM 1-B PULVERIZER MILL.
0004	RS	01/17/2011 22:56	01/21/2011 06:45	79.82	0.00	0.00	0000	RESERVE SHUTDOWN
0005	MO	01/21/2011 06:45	01/25/2011 00:00	89.25	100.00	14,458.50	1493	AIR HEATER FOULING (REGENERATIVE); WASHING AIR HEATERS
0006	RS	01/25/2011 00:00	02/07/2011 01:26	313.43	0.00	0.00	0000	RESERVE SHUTDOWN
0007	D1	02/07/2011 02:40	02/07/2011 17:35	14.92	19.75	477.33	0300	PULVERIZER MOTORS AND DRIVES; BEARING FAILURE ON 1-B PULVERIZER INBOARD MOTOR BEARING.
0008	D1	02/07/2011 03:10	02/07/2011 06:30	3.33	38.27	100.00	0335	PULVERIZER LUBE OIL SYSTEM; PLUGGED VENT ON 1-D PULVERIZER LUBRICATING OIL RESERVOIR.
0009	D4	02/11/2011 04:05	02/11/2011 04:50	0.75	35.19	42.75	3416	OTHER FEEDWATER PUMP PROBLEMS; REPLACED LEAKING SEAL WATER LINE ON 1-A BOILER FEED PUMP.
0010	D4	02/23/2011 07:45	02/23/2011 13:25	5.67	19.75	181.33	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); REPAIRING COAL LEAK ABOVE 1-D PULVERIZER PRIMARY RIFFLER DISTRIBUTOR.
0011	D1	03/04/2011 13:23	03/04/2011 15:23	2.00	19.75	64.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED A FOREIGN OBJECT (PIECE OF METAL) FROM 1-C PULVERIZER VANE WHEEL.
0012	PO	03/05/2011 00:32	03/28/2011 02:09	552.62	100.00	89,523.90	4401	TURBINE INSPECTION; PLANNED TURBINE VALVE AND MISCELLANEOUS EQUIPMENT INSPECTION.
0016	D2	03/28/2011 04:11	03/28/2011 10:35	6.40	47.53	492.80	9920	CONTRACTOR ERROR; CONTRACTOR FAILED TO REPLACE A PLUG IN THE LEFT HAND THROTTLE VALVE.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0013	MO	03/28/2011 10:35	03/29/2011 21:42	35.12	100.00	5,688.90	9920	CONTRACTOR ERROR; CONTRACTOR FAILED TO REPLACE A PLUG IN THE LEFT HAND THROTTLE VALVE.
0014	U1	03/29/2011 22:52	03/30/2011 09:46	10.90	100.00	1,765.80	4609	OTHER EXCITER PROBLEMS; FAULTY VOLTS/HERTZ RELAY CAUSED AN OPERATION OF THE LOSS OF EXCITATION RELAY.
0015	D1	03/30/2011 12:00	03/30/2011 13:25	1.42	19.75	45.33	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); REPAIRED COAL LEAK ON 1-D MILL COAL PIPE JUST PAST THE PRIMARY RIFFLER.
0017	MO	04/11/2011 02:11	04/15/2011 23:34	117.38	100.00	19,016.10	1000	WATERWALL (FURNACE WALL); BOILER WATERWALL TUBE LEAK AT LEFT FRONT BURNER BOX.
0018	U1	06/06/2011 04:37	06/07/2011 08:07	27.50	100.00	4,455.00	1000	CONTRIBUTED TO PRIMARY CAUSE; CONTRACTOR ERROR; REPAIRING STEAM LEAK ON RH REHEAT STOP VALVE AFTER TURBINE VALVE OUTAGE.
0019	D4	07/12/2011 04:29	07/12/2011 09:05	4.60	19.75	147.20	0344	WATERWALL (FURNACE WALL); BOILER WATERWALL TUBE LEAK ON EAST WALL BETWEEN C-BAND AND THE BOTTOM ASH PIT.
0020	D4	07/13/2011 01:36	07/13/2011 07:23	5.78	19.75	185.07	0344	PULVERIZER INSPECTION; PERFORMING INSPECTION OF 1-A PULVERIZER.
0021	D4	07/14/2011 03:11	07/14/2011 06:32	3.35	19.75	107.20	0344	PULVERIZER INSPECTION; PERFORMING INSPECTION OF 1-B PULVERIZER.
0022	D1	07/14/2011 06:40	07/14/2011 10:00	3.33	19.75	106.67	0320	PULVERIZER INSPECTION; PERFORMING INSPECTION OF 1-C PULVERIZER.
0023	D4	07/15/2011 06:00	07/15/2011 06:40	0.67	19.75	21.33	0344	FOREIGN OBJECT IN PULVERIZER MILL; REMOVING LARGE METAL FOREIGN OBJECT FROM 1-D PULVERIZER MILL.
0024	D4	07/21/2011 23:00	07/22/2011 06:57	7.95	32.10	413.40	3411	PULVERIZER INSPECTION; PERFORMING INSPECTION ON 1-D PULVERIZER.
0025	D1	08/07/2011 00:40	08/07/2011 01:17	0.62	95.06	94.97	1475	FEEDWATER PUMP DRIVE - MOTOR; CHECKING ALIGNMENT OF 1-A BOILER FEED PUMP MOTOR. INDUCED DRAFT FAN CONTROLS; INDUCED DRAFT FAN CONTROLS REJECTED TO MANUAL CAUSING A FURNACE PRESSURE TRIP.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0026	D4	08/12/2011 05:05	08/12/2011 07:35	2.50	56.79	230.00	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); ROUTINE CLEANING OF CONDENSER WATER BOX SCREENS.
0027	D1	08/13/2011 19:25	08/14/2011 08:08	12.72	12.35	254.33	3211	CIRCULATING WATER PUMP MOTORS; 1-A CIRCULATING WATER PUMP TRIPPED DUE TO MOTOR FAILURE.
0028	RS	09/08/2011 00:56	09/12/2011 00:00	95.07	0.00	0.00	0000	RESERVE SHUTDOWN
0029	PO	09/12/2011 00:00	10/03/2011 00:00	456.00	100.00	73,872.00	1455	INDUCED DRAFT FANS; REPLACING 1-A INDUCED DRAFT FAN SHAFT.
							1999	MAJOR COMPONENT WORKED DURING EVENT; BOILER, MISCELLANEOUS; MISCELLANEOUS OFFLINE WORK BEING PERFORMED ON VARIOUS BOILER AUXILIARY COMPONENTS.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 2								
0001	RS	01/01/2011 00:00	01/09/2011 19:33	211.55	0.00	0.00	0000	RESERVE SHUTDOWN
0002	D1	01/21/2011 15:20	01/21/2011 18:35	3.25	51.28	325.00	1455	INDUCED DRAFT FANS; REPAIR COOLING WATER LEAK ON 2-B INDUCED DRAFT FAN OUTBOARD FAN BEARING.
0003	NC	01/25/2011 07:34	01/25/2011 15:26	7.87	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTION PERFORMED ON 2-E PULVERIZER.
0004	D1	01/25/2011 14:54	01/25/2011 15:26	0.53	23.08	24.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); REPAIR COAL LEAK ON 2-A PULVERIZER EXHAUSTER.
0005	NC	01/25/2011 15:26	01/25/2011 16:16	0.83	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS, SEE CODE 0330); CONTINUE TO REPAIR COAL LEAK ON 2-A PULVERIZER EXHAUSTER. 2-E MILL BACK IN SERVICE.
0006	NC	02/12/2011 11:30	02/12/2011 13:24	1.90	0.00	0.00	0310	PULVERIZER MILLS; REPAIRING DAMAGE TO 2-B PULVERIZER MILL GRINDING TABLE.
0007	NC	02/17/2011 17:19	02/25/2011 15:31	190.20	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; INBOARD BEARING FAILURE ON 2-A PULVERIZER MOTOR.
0008	D4	02/19/2011 03:08	02/19/2011 08:00	4.87	48.72	462.33	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; INSPECTION OF 2-B INDUCED DRAFT FAN MOTOR THERMOCOUPLES.
0010	MO	03/01/2011 22:46	03/16/2011 02:33	338.78	100.00	66,062.75	3299	OTHER CIRCULATING WATER SYSTEM PROBLEMS; PERFORMING COMMON CIRCULATING WATER INTAKE AND DISCHARGE TUNNEL INSPECTION.
0011	NC	03/21/2011 05:00	03/26/2011 07:45	122.75	0.00	0.00	0310	PULVERIZER MILLS; REBUILDING 2-E PULVERIZER MILL VANE WHEEL AND WINDBOX.
0012	U1	03/29/2011 22:56	03/30/2011 00:02	1.10	100.00	214.50	3210	CIRCULATING WATER PUMPS; LOSS OF BOTH COMMON CIRCULATING WATER PUMPS ON UNIT 1 CAUSED A LOW VACUUM TRIP.
0013	RS	03/30/2011 00:02	04/10/2011 14:30	278.47	0.00	0.00	0000	RESERVE SHUTDOWN
0014	U1	04/10/2011 14:59	04/10/2011 15:59	1.00	100.00	195.00	1710	COMBUSTION / STEAM CONDITION CONTROLS; COMBUSTION CONTROLS WOULD NOT RESPOND CAUSING LOW THROTTLE PRESSURE.
0015	RS	04/16/2011 04:15	04/18/2011 23:59	67.73	0.00	0.00	0000	RESERVE SHUTDOWN

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0016	MO	04/18/2011 23:59	04/26/2011 23:59	192.00	100.00	37,440.00	1080	ECONOMIZER TUBE LEAKS; REPAIR ECONOMIZER TUBE LEAK.
0017	RS	04/26/2011 23:59	05/10/2011 18:43	330.73	0.00	0.00	0000	RESERVE SHUTDOWN
0018	U1	05/15/2011 14:11	05/16/2011 13:30	23.32	100.00	4,546.75	1000	WATERWALL (FURNACE WALL); WATERWALL TUBE LEAK LOCATED AT THE FURNACE SLOPE.
0019	RS	05/16/2011 13:30	05/23/2011 08:13	162.72	0.00	0.00	0000	RESERVE SHUTDOWN
0020	NC	07/14/2011 02:46	07/14/2011 09:01	6.25	0.00	0.00	0250	PULVERIZER FEEDERS; REPAIRING 2-E PULVERIZER FEEDER CLEAN-OUT CHAIN.
0021	NC	07/15/2011 03:33	07/15/2011 08:02	4.48	0.00	0.00	0250	PULVERIZER FEEDERS; REPLACING THE CLEAN-OUT CHAIN ON 2-E PULVERIZER FEEDER.
0022	NC	07/21/2011 14:20	07/21/2011 15:38	1.30	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED A LARGE PIECE OF METAL FROM 2C PULVERIZER MILL.
0023	NC	07/27/2011 13:45	07/27/2011 15:42	1.95	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED A METAL FOREIGN OBJECT FROM 2-D PULVERIZER MILL.
0024	D4	08/09/2011 04:14	08/09/2011 07:00	2.77	65.13	351.37	3113	CONDENSER TUBE AND WATER BOX CLEANING (INCLUDING CIRCULATING WATER FLOW REVERSAL); ROUTINE CLEANING OF CONDENSER WATER BOX SCREENS.
0025	NC	08/24/2011 04:30	08/24/2011 05:30	1.00	0.00	0.00	0250	PULVERIZER FEEDERS; CALIBRATING 2C PULVERIZER FEEDER.
0026	NC	08/24/2011 05:35	08/24/2011 06:25	0.83	0.00	0.00	0250	PULVERIZER FEEDERS; CALIBRATING 2D PULVERIZER FEEDER.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith 3								
0001	U1	01/13/2011 08:39	01/13/2011 09:21	0.70	100.00	371.70	1740	BOILER GAGE GLASSES / LEVEL INDICATOR; LOSS IP DRUM LEVEL TRANSMITTER DUE TO FREEZING.
0002	D1	01/13/2011 09:21	01/13/2011 10:56	1.58	50.09	421.17	1740	BOILER GAGE GLASSES / LEVEL INDICATOR; LOSS OF DRUM LEVEL TRANSMITTER (FREEZING)
0003	PO	02/18/2011 23:27	02/28/2011 16:30	233.05	100.00	123,749.55	5272	BOROSCOPE INSPECTION; BORESCOPE OUTAGE
0004	RS	02/28/2011 16:30	03/01/2011 10:11	17.68	0.00	0.00	0000	RESERVE SHUTDOWN;
0005	D1	03/08/2011 12:22	03/08/2011 21:56	9.57	50.09	2,544.73	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; IBH HEAT EXTRACTION PORT COVER WELD CRACKED.
0006	NC	03/27/2011 01:47	03/31/2011 06:35	100.80	0.00	0.00	3409	FEEDWATER PUMP DRIVE MOTOR - VARIABLE SPEED; BOILER FEED PUMP VFD FAULT.
0007	D4	03/31/2011 23:33	04/01/2011 02:21	2.80	36.39	496.60	4640	SEAL OIL SYSTEM AND SEALS; REPLACE HYDROGEN SEAL OIL REGULATOR.
0023	PD	04/07/2011 07:58	04/07/2011 20:52	12.90	18.37	1,135.20	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK.
0024	PD	04/12/2011 06:08	04/12/2011 12:30	6.37	18.37	560.27	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0025	PD	04/12/2011 12:30	04/12/2011 18:26	5.93	28.81	818.80	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0026	PD	04/13/2011 09:40	04/13/2011 12:30	2.83	18.37	249.33	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0027	PD	04/13/2011 12:30	04/13/2011 16:20	3.83	28.81	529.00	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0028	PD	04/13/2011 16:20	04/13/2011 16:45	0.42	18.37	36.67	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0029	PD	04/14/2011 10:25	04/14/2011 10:45	0.33	18.37	29.33	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0030	PD	04/14/2011 10:45	04/14/2011 22:30	11.75	26.72	1,504.00	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0031	PD	04/15/2011 08:36	04/15/2011 21:44	13.13	28.81	1,812.40	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0032	PD	04/18/2011 07:18	04/18/2011 16:52	9.57	25.68	1,176.70	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0033	PD	04/18/2011 16:52	04/18/2011 20:47	3.92	7.93	148.83	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0034	PD	04/19/2011 05:45	04/19/2011 17:17	11.53	25.68	1,418.60	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0035	PD	04/20/2011 01:54	04/20/2011 18:54	17.00	25.68	2,091.00	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0036	PD	04/20/2011 19:24	04/20/2011 21:24	2.00	25.68	246.00	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0008	D2	04/21/2011 06:17	04/21/2011 07:53	1.60	35.28	270.40	0560	OTHER HOT REHEAT STEAM VALVES (NOT INCLUDING TURBINE STOP OR INTERCEPT VALVES); A HRSG HRH BLOCKING VALVE ACTUATOR BROKEN
0037	PD	04/21/2011 21:10	04/21/2011 23:30	2.33	25.68	287.00	9300	TRANSMISSION SYSTEM PROBLEMS (NOT SWITCHYARD PROBLEMS); PLANNED SYSTEM RELIABILITY WORK
0009	D1	04/24/2011 16:35	04/24/2011 17:42	1.12	49.90	266.88	3370	CONDENSATE SYSTEM CONTROLS AND INSTRUMENTATION (NOT HOTWELL; CONDENSATE CONTROL VALVE FAILED CLOSED DUE TO WATER IN DVC CONTROLLER.
0010	D1	05/06/2011 05:30	05/06/2011 07:24	1.90	49.90	454.10	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; CBV FAILED CLOSED.

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0011	MO	05/13/2011 23:40	05/15/2011 06:25	30.75	100.00	14,729.25	4430	GLAND SEAL SYSTEM; CRACKED WELD IN SEAL STEAM SUPPLY PIPING.
0013	NC	05/14/2011 12:24	06/09/2011 13:50	625.43	0.00	0.00	3240	COOLING TOWER FANS; D FAN GEAR BOX FAILURE
0012	RS	05/15/2011 06:25	05/15/2011 15:15	8.83	0.00	0.00	0000	RESERVE SHUTDOWN;
0015	NC	05/16/2011 11:02	05/17/2011 15:15	28.22	0.00	0.00	3409	FEEDWATER PUMP DRIVE MOTOR - VARIABLE SPEED; DIAGNOSTIC RESISTOR SHORTED.
0014	D1	05/16/2011 22:28	05/16/2011 22:42	0.23	33.19	37.10	4302	TURBINE TRIP DEVICES (INCLUDING INSTRUMENTS); TRIPPED ON LOW OIL PRESSURE EXERCISING INTERCEPT VALVES.
0016	NC	06/24/2011 04:15	06/24/2011 17:18	13.05	0.00	0.00	3409	FEEDWATER PUMP DRIVE MOTOR - VARIABLE SPEED; A1 BFP VFD CARD FAILURE.
0017	NC	06/25/2011 23:25	06/27/2011 16:27	41.03	0.00	0.00	3409	FEEDWATER PUMP DRIVE MOTOR - VARIABLE SPEED; VFD CARD FAILURE.
0018	D1	07/04/2011 06:59	07/04/2011 11:59	5.00	49.90	1,195.00	6161	HP STARTUP BYPASS SYSTEM VALVES; A HP BYPASS VALVE STEAM BROKE.
0019	D1	07/04/2011 10:53	07/04/2011 11:59	1.10	68.68	99.00	6161	HP STARTUP BYPASS SYSTEM VALVES; A HP BYPASS CONTROL VALVE FAILURE (ST OFFLINE)
0020	D1	07/04/2011 11:59	07/04/2011 12:25	0.43	33.19	68.90	6161	HP STARTUP BYPASS SYSTEM VALVES; A HP BYPASS CONTROL FAILURE
0021	D1	07/17/2011 07:34	07/17/2011 08:02	0.47	49.90	111.53	5016	HIGH PRESSURE COMPRESSOR BLEED VALVES; CBV FAILED TO OPEN.. (WATER INTRUSION IN SOLENOID CIRCUITRY)
0022	D1	07/17/2011 08:02	07/17/2011 10:16	2.23	14.41	154.10	1799	OTHER BOILER INSTRUMENTATION AND CONTROL PROBLEMS; COLD REHEAT THERMOCOUPLE FAULT.
0038	D1	08/26/2011 01:16	08/26/2011 01:34	0.30	33.40	48.00	9900	OPERATOR ERROR; TRIP TESTING ERROR.
0039	D4	08/31/2011 23:52	09/01/2011 03:37	3.75	49.90	896.25	3420	FEEDWATER PIPING AND SUPPORTS; FEED WATER TO LP ECONOMIZER FROM GAS HEATER LINE LEAK..

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Smith A								
0001	SE	01/01/2011 00:00	02/25/2011 11:45	1331.75	100.00	53,270.00	3975	DCS - UPGRADES; UPGRADING THE DCS SYSTEM.
0002	PO	02/25/2011 11:47	02/25/2011 12:30	0.72	100.00	28.67	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0003	PO	02/25/2011 12:36	02/25/2011 13:30	0.90	100.00	36.00	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0004	PO	02/25/2011 13:32	02/25/2011 16:20	2.80	100.00	112.00	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0005	PO	02/25/2011 16:23	02/25/2011 17:30	1.12	100.00	44.67	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0006	PO	02/25/2011 17:40	02/25/2011 18:15	0.58	100.00	23.33	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0007	PO	02/25/2011 18:19	02/26/2011 11:55	17.60	100.00	704.00	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0008	PO	02/26/2011 13:04	03/04/2011 18:20	149.27	100.00	5,970.67	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0009	PO	03/04/2011 18:30	03/04/2011 20:37	2.12	100.00	84.67	3975	DCS - UPGRADES; TESTING AND TUNING THE DCS UPGRADE FOR PROPER OPERATION.
0010	RS	03/04/2011 20:37	03/16/2011 10:00	276.38	0.00	0.00	0000	RESERVE SHUTDOWN
0011	RS	03/16/2011 12:15	04/01/2011 09:00	380.75	0.00	0.00	0000	RESERVE SHUTDOWN
0012	RS	04/01/2011 09:30	04/01/2011 16:55	7.42	0.00	0.00	0000	RESERVE SHUTDOWN
0013	RS	04/01/2011 17:10		4374.83	0.00	0.00	0000	RESERVE SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 1								
0001	D1	01/02/2011 07:10	01/02/2011 07:28	0.30	11.76	18.00	0250	PULVERIZER FEEDERS; 1-A FEEDER SPEED ERRATIC.
0002	D1	01/03/2011 04:55	01/03/2011 22:05	17.17	20.59	1,802.50	0280	PULVERIZER FIRES; HAD A FIRE IN 1-E MILL THAT CAUSED A JOURNAL FAILURE
0003	D1	01/04/2011 11:20	01/04/2011 12:13	0.88	16.67	75.08	0344	PULVERIZER INSPECTION; TOOK 1-B MILL OFF TO INSPECT FOR INTERNAL NOISE. DIDN'T FIND ANYTHING.
0004	D1	01/04/2011 14:40	01/04/2011 18:11	3.52	6.86	123.08	0310	PULVERIZER MILLS; CHANGED OUT BROKEN SPRING IN 1-B MILL
0005	D1	01/06/2011 07:15	01/06/2011 14:15	7.00	6.86	245.00	0310	PULVERIZER MILLS; REPLACED JOURNAL AND SEAL AIR LINE ON 1-A MILL.
0006	MO	01/07/2011 22:36	01/09/2011 23:23	48.78	100.00	24,879.50	1000	WATERWALL (FURNACE WALL); REPAIRED A TUBE LEAK ON THE LOWER WATER WALL AT AN ATTACHMENT WELD.
							0280	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER FIRES; SMALL GAP IN MILL VENTURI CAUSING BUILD UP OF COAL AND FIRES.
0007	D1	01/11/2011 19:02	01/11/2011 19:43	0.68	13.73	47.83	0250	PULVERIZER FEEDERS; OBJECT IN 1-B FEEDER
0008	D1	01/12/2011 06:06	01/12/2011 06:45	0.65	10.78	35.75	0250	PULVERIZER FEEDERS; CONCRETE IN 1-A FEEDER.
0009	D1	01/13/2011 11:00	01/13/2011 12:05	1.08	18.63	102.92	0250	PULVERIZER FEEDERS; CONCRETE IN 1-A FEEDER.
0010	NC	01/20/2011 02:00	01/20/2011 09:20	7.33	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; BROKE A PRIMARY AIR INLET VAIN.
0011	D1	01/21/2011 22:45	01/27/2011 05:08	126.38	46.08	29,700.08	1420	OTHER FORCED DRAFT FAN PROBLEMS; 1-B FD FAN OUTBOARD BEARING FAILED.
0013	D1	02/01/2011 10:57	02/02/2011 04:45	17.80	6.86	623.00	0250	PULVERIZER FEEDERS; 2D FEEDER SPEED BAD QUALITY CAUSED BY FIRE IN 1EMILL
0012	D1	02/01/2011 14:15	02/01/2011 15:30	1.25	26.47	125.00	0280	PULVERIZER FIRES; FIRE IN 1-E MILL
0014	D1	02/02/2011 04:45	02/02/2011 13:15	8.50	50.39	2,184.50	0250	PULVERIZER FEEDERS; 1B&D FEEDER SPEED QUALITY BAD. CAUSED BY FIRE IN 1-E MILL
0015	D1	02/02/2011 13:30	02/02/2011 14:55	1.42	41.18	297.50	0280	PULVERIZER FIRES; FIRE IN 1-C MILL
0016	D1	02/02/2011 16:15	02/02/2011 18:00	1.75	41.18	367.50	0250	PULVERIZER FEEDERS; 1E FEEDER SPEED BAD QUALITY AGAIN. CAUSED BY FIRE IN 1E MILL

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0018	MO	02/18/2011 23:49	03/03/2011 11:39	299.83	100.00	152,915.00	4613	HYDROGEN SEALS; MO TO REPAIR H2 SEAL CAUSING #9 BEARING VIBRATION .
0020	U1	03/04/2011 10:17	03/08/2011 19:39	105.37	100.00	53,737.00	4613	HYDROGEN SEALS; HIGH VIBRATION ON #9 BEARING BELIEVED TO BE H2 SEAL RUB.
0022	D1	03/09/2011 07:45	03/09/2011 11:40	3.92	72.35	1,445.25	4613	HYDROGEN SEALS; #9 BEARING VIBRATION HIGH
0021	U1	03/09/2011 20:48	03/09/2011 23:25	2.62	100.00	1,334.50	4293	HYDRAULIC SYSTEM PIPES AND VALVES; BAD EH LEAK ON THROTTLE VALVE #1
0023	D1	03/18/2011 03:44	03/18/2011 14:00	10.27	8.24	431.20	0280	PULVERIZER FIRES; FIRE IN 1E MILL. IT TOOK SEVERAL HOURS TO GET IT OUT.
0024	D1	03/21/2011 17:23	03/21/2011 19:09	1.77	18.82	169.60	0350	PULVERIZED FUEL AND AIR PIPING (FROM PULVERIZER TO WIND BOX); 1-E MILL PIPING COAL LEAK
0025	D1	03/28/2011 14:10	03/28/2011 14:23	0.22	18.24	20.15	9910	MAINTENANCE PERSONNEL ERROR; ELECTRICIAN WORKING ON 1-B CUT OFF 1-C COND. PUMP MOTOR
0026	NC	03/31/2011 23:10	04/01/2011 00:32	1.37	0.00	0.00	0310	PULVERIZER MILLS; 1D MILL HIGH DP. MILL LOADED UP WITH COAL. COULD ADD OIL TO GET FULL LOAD.
0027	D1	04/18/2011 00:15	04/18/2011 02:45	2.50	11.76	150.00	0310	PULVERIZER MILLS; MILL AMPS SPIKING CAUSING RUNBACKS
0028	D4	04/28/2011 08:00	04/28/2011 16:00	8.00	4.71	192.00	0344	PULVERIZER INSPECTION; INSPECTION OF 1-A MILL PRIOR TO PEAK SEASON
							0250	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER FEEDERS; PERFORMED A FEEDER CALIBRATION ON 1-A FEEDER
0030	D4	04/29/2011 06:29	04/29/2011 13:03	6.57	4.90	164.17	0344	PULVERIZER INSPECTION; INSPECTED 1-E COAL MILL PRIOR TO PEAK SEASON
							0250	MAJOR COMPONENT WORKED DURING EVENT; PULVERIZER FEEDERS; CALIBRATED 1-E FEEDER RESERVE SHUTDOWN;
0029	RS	04/29/2011 23:20	05/03/2011 06:05	78.75	0.00	0.00	0000	OTHER GENERATOR CONTROLS AND METERING PROBLEMS; CLOSED GEN BKR & SHOWED NO MW`S INCREASED DEMAND & STILL NO MW`S
0031	U1	05/03/2011 06:05	05/03/2011 10:59	4.90	100.00	2,499.00	4750	OPENED GEN BKR

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0032	NC	05/10/2011 09:00	05/10/2011 10:10	1.17	0.00	0.00	0335	PULVERIZER LUBE OIL SYSTEM; TOOK 1C MILL OFF TO REPAIR OIL LEAK. COULD GET FULL LOAD BY ADDING LIGHTER OIL
0033	NC	05/12/2011 10:00	05/20/2011 16:17	198.28	0.00	0.00	0300	PULVERIZER MOTORS AND DRIVES; REPLACED THE MILL WORM GEAR
0040	NC	05/22/2011 09:40	05/22/2011 16:00	6.33	0.00	0.00	0250	PULVERIZER FEEDERS; 1B FEEDER HEAD PULLEY BROKE. COULD ADD SUPPORT FUEL TO MAKE FULL LOAD.
0034	NC	05/31/2011 09:11	05/31/2011 10:11	1.00	0.00	0.00	0270	PRIMARY AIR DUCTS AND DAMPERS; 1C MILL HOT AIR DAMPER MOTOR BAD
0035	D1	06/04/2011 17:23	06/04/2011 18:16	0.88	30.20	136.03	4551	GENERATOR BEARINGS; #9 BEARING VIBRATION WENT HIGH HAD TO CUT LOAD TO GET IT DOWN
0036	D1	06/07/2011 13:15	06/07/2011 14:20	1.08	31.37	173.33	0280	PULVERIZER FIRES; FIRE IN SCRAPER SECTION OF 1C MILL
0037	NC	06/07/2011 22:00	06/09/2011 13:30	39.50	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTING WORM GEAR ON 1C MILL
0038	NC	06/09/2011 19:20	06/10/2011 10:00	14.67	0.00	0.00	0331	PULVERIZER SYSTEM COAL LEAKS (OTHER THAN PULVERIZERS; SEE CODE 0330); REPAIRED COAL LEAK IN 1D FEEDER COAL PIPING
0039	NC	06/20/2011 16:48	06/20/2011 17:32	0.73	0.00	0.00	0344	PULVERIZER INSPECTION; 1E MILL AMPS CAUSING RUN-BACK. TOOK OFF AND INSPECTED. FOUND NOTHING
0041	NC	07/11/2011 23:35	07/12/2011 11:15	11.67	0.00	0.00	0310	PULVERIZER MILLS; 1D MILL JOURNAL BEARING BROKE. COULD HAVE ADDED SUPPORT FUEL TO MAKE LOAD.
0043	NC	07/17/2011 17:45	07/17/2011 22:45	5.00	0.00	0.00	0250	PULVERIZER FEEDERS; 1D FEEDER BELT BROKE. COULD HAVE USED SUPPORT FUEL TO MAKE LOAD.
0042	NC	07/18/2011 05:55	07/18/2011 06:42	0.78	0.00	0.00	0250	PULVERIZER FEEDERS; CONCRETE IN 1E FEEDER. COULD HAVE ADDED SUPPORT FUEL TO MAKE LOAD.
0044	NC	07/29/2011 12:10	07/29/2011 13:26	1.27	0.00	0.00	0310	PULVERIZER MILLS; REPLACED LEAKING RUPTURE DISK ON 1B MILL
0045	NC	07/31/2011 17:17	07/31/2011 19:11	1.90	0.00	0.00	0335	PULVERIZER LUBE OIL SYSTEM; 1C MILL OIL LEAK AT SEAL

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0050	U1	08/08/2011 20:25	08/09/2011 03:29	7.07	100.00	3,604.00	4609	OTHER EXCITER PROBLEMS; RESISTER BANK CABLE LUGS IN EXCITER BURNED OFF.
0051	NC	08/12/2011 21:59	08/13/2011 09:20	11.35	0.00	0.00	0250	PULVERIZER FEEDERS; 1E FEEDER BELT BROKE.
0052	NC	08/14/2011 16:00	08/14/2011 16:11	0.18	0.00	0.00	0030	COAL CONVEYORS AND FEEDERS; PROBLEMS WITH COAL CONVEYORS RAN OUT OF COAL IN 1D BUNKER
0053	NC	08/16/2011 18:40	08/16/2011 22:40	4.00	0.00	0.00	0335	PULVERIZER LUBE OIL SYSTEM; CHANGED OIL IN 1C COAL MILL
0054	D1	08/19/2011 12:20	08/19/2011 13:00	0.67	45.10	153.33	3261	TRAVELING SCREEN FOULING; INLET SCREENS PLUGGED WITH GRASS & DEBRIS TRAVELING WATER SCREENS WOULD NOT RUN.
0055	D1	08/21/2011 14:15	08/21/2011 16:50	2.58	63.73	839.58	1480	OTHER INDUCED DRAFT FAN PROBLEMS; FIRE ON 1A I.D. FAN INBOARD BEARING
0056	U1	08/27/2011 14:46	08/27/2011 20:05	5.32	100.00	2,711.50	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; U1 #9 BEARING VIBRATION TRIPPED TURBINE.
0057	D1	08/28/2011 11:30	08/28/2011 14:35	3.08	64.71	1,017.50	9900	OPERATOR ERROR; OP. FAILED TO SWAP ID FANS TO HIGH SPEED. DID IT WHEN FANS TOPPED OUT
0058	U1	08/28/2011 17:28	08/28/2011 20:11	2.72	100.00	1,385.50	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; U1 #9 BEARING TRIPPED THE TURBINE
0059	D1	08/29/2011 15:34	08/29/2011 17:03	1.48	10.78	81.58	4420	VIBRATION OF THE TURBINE GENERATOR UNIT THAT CANNOT BE ATTRIBUTED TO A SPECIFIC CAUSE; U1 #9 BEARING VIBRATION
0060	RS	08/30/2011 00:47		767.22	0.00	0.00	0000	RESERVE SHUTDOWN; WENT ON RESERVED SHUTDOWN

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Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
Daniel 2								
0001	PO	01/01/2011 00:00	03/02/2011 09:51	1449.85	100.00	739,423.50	4400	MAJOR TURBINE OVERHAUL (720 HOURS OR LONGER) (USE FOR NON-SPECIFIC OVERHAUL ONLY; SEE PAGE B-1.); REPLACING UNIT 2 HP & IP TURBINE.
0002	MO	03/02/2011 09:51	03/05/2011 03:32	65.68	100.00	33,498.50	0740	BOILER RECIRCULATION PUMPS; 2-C BOILER WATER CIRCULATION PUMP FAILURE
0007	D1	03/05/2011 03:32	03/11/2011 07:02	147.50	3.92	1,287.67	0740	BOILER RECIRCULATION PUMPS; LOSS OF 2-C BOILER WATER CIRCULATION PUMP
0003	U1	03/05/2011 08:38	03/06/2011 00:33	15.92	100.00	8,117.50	4293	HYDRAULIC SYSTEM PIPES AND VALVES; LEAK ON AUTO STOP TRIP VALVE
0004	U1	03/06/2011 11:17	03/08/2011 04:14	40.95	100.00	20,884.50	1000	WATERWALL (FURNACE WALL); BOILER WATER WALL TUBE LEAK CAUSED BY STRESS CRACK
0005	U1	03/08/2011 09:33	03/09/2011 03:44	18.18	100.00	9,273.50	4279	MISCELLANEOUS TURBINE PIPING; #1 MAIN STEAM LEAD DRAIN LEAK
0006	U1	03/09/2011 19:01	03/10/2011 03:05	8.07	100.00	4,114.00	4261	CONTROL VALVES; GOVERNOR VALVE TUNING ISSUES - HIGH VIBRATION & TRIP
0008	D1	03/16/2011 00:17	03/16/2011 08:23	8.10	47.65	1,968.30	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; 2B BFPT TURNING GEAR MOTOR FAILED ON SHUT DOWN.
0009	D1	03/19/2011 19:25	03/19/2011 21:20	1.92	12.16	118.83	0270	PRIMARY AIR DUCTS AND DAMPERS; EXPLOSION DOOR BLEW OFF ON 2C MILL
0011	D1	03/22/2011 15:00	03/22/2011 20:19	5.32	14.71	398.75	0280	PULVERIZER FIRES; 2A MILL HAD A FIRE IN THE SCRAPER SECTION
0010	RS	03/25/2011 01:59	04/12/2011 06:00	436.02	0.00	0.00	0000	RESERVE SHUTDOWN;
0012	MO	04/12/2011 06:00	04/15/2011 13:35	79.58	100.00	40,587.50	0741	BOILER RECIRCULATION PUMPS - MOTORS; REPLACED 2C BWCP MOTOR
							0741	MAJOR COMPONENT WORKED DURING EVENT; BOILER RECIRCULATION PUMPS - MOTORS; CHECKED THRUST ON 2A BWCP
							4611	MAJOR COMPONENT WORKED DURING EVENT; HYDROGEN COOLERS; REPAIRED H2 COOLER LEAKS
0013	RS	04/15/2011 13:35	05/09/2011 05:39	568.07	0.00	0.00	0000	RESERVE SHUTDOWN;

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0015	MO	05/09/2011 12:18	05/09/2011 13:06	0.80	100.00	408.00	4460	TURBINE OVERSPEED TRIP TEST; COMPLETED MECH. OVERSPEED TRIP TEST REMAINING FROM PO
0014	D1	05/10/2011 14:22	05/10/2011 14:30	0.13	10.78	7.33	1710	COMBUSTION / STEAM CONDITION CONTROLS; PRESSURE SWING DUE TO CONTROLS. WENT TO MANUAL
0016	NC	05/16/2011 09:25	05/16/2011 22:48	13.38	0.00	0.00	0250	PULVERIZER FEEDERS; 2C FEEDER CONTINUOUSLY GIVING FALSE TRIP ALARM
0017	NC	05/26/2011 06:34	05/26/2011 06:38	0.07	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER BAD RELAY CAUSED FEEDER TO TRIP
0018	NC	05/26/2011 07:09	05/26/2011 07:14	0.08	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER BAD RELAY CAUSED FEEDER TRIP
0019	NC	05/26/2011 13:12	05/26/2011 13:22	0.17	0.00	0.00	0250	PULVERIZER FEEDERS; 2B FEEDER BAD RELAY CAUSED FEEDER TRIP
0020	D1	05/26/2011 17:25	05/26/2011 21:12	3.78	47.06	908.00	3408	FEEDWATER PUMP DRIVE - LOCAL CONTROLS; 2A BFPT LP GOV LVDT WENT BAD CAUSING LOSS OF CONTROL
0021	D1	05/27/2011 15:27	05/27/2011 16:21	0.90	5.88	27.00	1470	INDUCED DRAFT FAN MOTORS AND DRIVES; ID FAN AMPS OVER 900. HAD TO CUT LOAD TO KEEP FROM TRIPPING FANS
0022	NC	06/01/2011 06:20	06/01/2011 10:00	3.67	0.00	0.00	0250	PULVERIZER FEEDERS; 2D FEEDER CLEAN-OUT CHAIN BROKE.
0023	NC	06/06/2011 09:40	06/06/2011 14:03	4.38	0.00	0.00	0250	PULVERIZER FEEDERS; 2E FEEDER CLEANOUT CHAIN STOPPED CAUSING FEEDER TO PLUG. COULD HAVE USED SUPPORT FUEL
0024	NC	06/07/2011 23:00	06/08/2011 00:30	1.50	0.00	0.00	0320	FOREIGN OBJECT IN PULVERIZER MILL; REMOVED METAL FROM 2A MILL. COULD HAVE BURNED SUPPORT FUEL FOR FULL LOAD
0025	NC	06/08/2011 09:48	06/08/2011 10:41	0.88	0.00	0.00	0340	OTHER PULVERIZER PROBLEMS; 2A MILL WOULD NOT START
0026	D4	06/10/2011 10:20	09/17/2011 00:01	2365.68	6.86	82,623.92	4099	OTHER HIGH PRESSURE TURBINE PROBLEMS; #5 BELL SEAL LEAKING BY. HAD TO ISOLATE #1 & #5 GOV VALVES
0027	NC	06/28/2011 08:15	06/28/2011 10:25	2.17	0.00	0.00	0344	PULVERIZER INSPECTION; INSPECTED COAL MILL FOR PYRITING. COULD HAVE PUT IN SUPPORT FUEL TO MAKE FULL LOAD.

Event Listing With All Reported Cause Codes

January 01, 2011 00:00 - October 01, 2011 00:00

Event Number	Event Type	Start Time	End Time	Event Length	Capacity Reduction (%)	Generation Loss (MW-HR)	Cause Code	Code/Verbal Description
0028	D1	07/02/2011 16:10	07/03/2011 02:20	10.17	76.47	3,609.17	8560	ELECTROSTATIC PRECIPITATOR PROBLEMS; THE TRANSFORMER SUPPLYING POWER TO THE LOWER PRECIPITS FAILED.
0040	NC	07/14/2011 20:17	08/29/2011 12:18	1096.02	0.00	0.00	0345	PULVERIZER OVERHAUL; REPLACED BULL AND WORM GEARS COULD MAKE FULL LOAD WITH SUPPORT FUEL
0029	U1	07/15/2011 06:18	07/15/2011 11:18	5.00	100.00	2,550.00	4262	INTERCEPT VALVES; TRIED TO REPLACE SOLENOID VALVE ON IV4 & THE TURBINE TRIPPED
0030	D1	07/16/2011 07:56	07/16/2011 11:15	3.32	34.31	464.33	0310	PULVERIZER MILLS; 2C MILL BROKE JOURNAL SPRING
0031	D1	07/18/2011 11:23	07/18/2011 15:55	4.53	28.04	489.60	0250	PULVERIZER FEEDERS; 2A FEEDER BELT BROKE.
0032	D1	07/20/2011 15:13	07/20/2011 21:56	6.72	35.29	973.92	0250	PULVERIZER FEEDERS; 2A FEEDER CLEAN-OUT CHAIN BROKE.
0033	D1	07/21/2011 16:52	07/21/2011 19:22	2.50	35.29	362.50	0250	PULVERIZER FEEDERS; 2C FEEDER CLEAN-OUT CHAIN NOT WORKING
0034	D4	07/25/2011 23:00	07/27/2011 08:25	33.42	47.06	6,850.42	3412	FEEDWATER PUMP DRIVE - STEAM TURBINE; THE HP STEAM VALVE WILL NOT CONTROL
0035	D1	08/04/2011 16:13	08/04/2011 17:05	0.87	35.49	126.53	0250	PULVERIZER FEEDERS; CONCRETE IN 2E FEEDER
0038	D1	08/12/2011 21:52	08/12/2011 23:37	1.75	65.69	525.00	4610	HYDROGEN COOLING SYSTEM PIPING AND VALVES; 2" BALL VLV BLEW OFF UNIT 2 H2 COOLING WATER
0039	D1	08/14/2011 13:50	08/14/2011 18:28	4.63	63.73	1,343.67	0030	COAL CONVEYORS AND FEEDERS; PROBLEMS WITH COAL CONVEYORS COULD NOT GET COAL TO THE BUNKERS
0041	D1	09/04/2011 19:27	09/04/2011 20:43	1.27	28.82	141.87	0325	PULVERIZER SKIDDING; PULVERIZER SKIDDING DUE TO WET COAL
0042	RS	09/07/2011 21:00	09/17/2011 00:01	219.02	0.00	0.00	0000	RESERVE SHUTDOWN; RS ENDED AND STARTED PO
0043	PO	09/17/2011 00:01		335.98	100.00	171,351.50	4099	OTHER HIGH PRESSURE TURBINE PROBLEMS; REPAIRING BELL SEAL LEAK ON TURBINE