

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: April 9, 2010
TO: Ann Cole, Commission Clerk, Office of Commission Clerk
FROM: Erik L. Sayler, Senior Attorney, Office of the General Counsel
RE: Docket No. 090451-EM – In Re: Joint petition to determine need for Gainesville Renewable Energy Center in Alachua County, by Gainesville Regional Utilities and Gainesville Renewable Energy Center, LLC.

Please place GRU/GREC LLC's responses to Staff's Sixth Set of Interrogatories filed April 8, 2010, into the Docket file.

ELS/th
Attachment

RECEIVED-FPSC
10 APR -9 AM 8:56
COMMISSION
CLERK

DOCUMENT NUMBER-DATE

02657 APR -9 0

FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Joint petition to determine need for
Gainesville Renewable Energy Center in
Alachua County, by Gainesville Regional
Utilities and Gainesville Renewable Energy
Center, LLC.

DOCKET NO. 090451-EM

DATED: APRIL 8, 2010

**RESPONSES TO STAFF'S SIXTH SET OF INTERROGATORIES (NOS. 117 - 119)
TO GAINESVILLE RENEWABLE ENERGY CENTER**

Gainesville Regional Utilities (GRU) and Gainesville Renewable Energy Center, LLC (GREC LLC), collectively "Petitioners," pursuant to Rule 28-106.206, Florida Administrative Code, Rule 1.340, Florida Rules of Civil Procedure, and the Order Establishing Procedure in this matter, hereby respond to Staff's Sixth Set of Interrogatories (Nos. 117 - 119).

The answers to Interrogatories Nos. 117 and 118 of Staff's Sixth Set of Interrogatories (Nos. 117 - 119) are provided by Richard D. Bachmeier, Electric System Planning Director, Gainesville Regional Utilities, 301 SE 4th Avenue, Gainesville, Florida 32601.

The answer to Interrogatory No. 119 of Staff's Sixth Set of Interrogatories (Nos. 117 - 119) is provided by Joshua H. Levine, American Renewables, LLC, 75 Arlington Street, Fifth Floor, Boston, Massachusetts 02116.

DOCUMENT NUMBER-DATE

02657 APR-9 9

FPSC-COMMISSION CLERK

RESPONSES

- 117. Please refer to Staff's Fifth Data Request, Interrogatories 113 through 116. Please complete the tables for each interrogatory, assuming the Base Case and the Delay Case would receive no value from renewable energy credits.**

Response to Interrogatory No. 117

Please refer to the enclosed CD, which presents the requested information. Please note that portions of the information requested related to the updated response to Interrogatory No. 114 herein are confidential and has therefore been redacted.

- 118. Please refer to Staff's Fourth Data Request, Interrogatory 104. Please update these responses with the most recent fuel forecast(s) available. Please also identify the fuel forecast used in the analysis.**

Response to Interrogatory No. 118

Please refer to the enclosed CD, which includes the requested information. The fuel price projection utilized in response to Interrogatory No. 118 is based on the US Energy Information Administration's Annual Energy Outlook 2010.

- 119. Please describe and discuss the potential of renewable energy credit sales to existing markets, either in any Florida-based markets, national markets, or international markets. Please explain or describe whether these markets feature voluntary purchases, or those mandated by a renewable portfolio standard or similar mechanism. Please also supply typical prices for renewable energy credits in each of the markets discussed.**

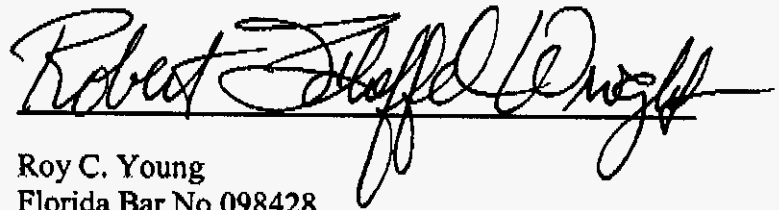
Response to Interrogatory No. 119

There are currently no mandated renewable energy credit markets within the State of Florida, or at the federal level. However, as discussed in Witness Regan's pre-filed

supplemental testimony, there is a significant amount of activity within both the Florida Legislature and the U.S. Congress in the form of numerous bills that, if enacted, would establish a renewable portfolio standard at either the state level or federal level and would create a mandatory renewable energy credit market. To provide indicative values of how much renewable energy credits could be worth in these mandatory markets, comparable renewable energy credits in the mandated markets in the Northeast U.S. currently range from \$18 to \$33 per MWh.

Today, the only markets into which GRU would be able to sell renewable energy credits would be national voluntary markets. Recently, GRU sold solar renewable energy credits for \$4.00/MWh into a voluntary market.

RESPECTFULLY SUBMITTED this 8th day of April, 2010.

A handwritten signature in black ink, reading "Robert Scheffel Wright", written over a horizontal line.

Roy C. Young
Florida Bar No.098428
Robert Scheffel Wright
Florida Bar No. 966721
John T. LaVia, III
Florida Bar No. 853666
Young van Assenderp, P.A.
225 South Adams Street, Suite 200
Tallahassee, Florida 32301
Phone: 850/222-7206
FAX: 850/561-6834

Attorneys for GREC LLC and GRU

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been served by electronic mail and hand delivery (*) or U.S. Mail this 8th day April, 2010, on the following:

Erik Saylor/Martha Carter Brown*
Florida Public Service Commission
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Tallahassee, FL 32399-0850

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Gainesville Regional Utilities
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Attorney

Docket No. 090451-EM
Response to Staff Interrogatory No. 117

Docket No. 090451

Response to Interrogatory No. 117 - Update to Interrogatory No. 113 with no Value for Renewable Energy Credits

	6,738,231	8,261,486	6,792,236
	6,835,305	8,303,864	6,871,610
	6,779,201	8,646,384	6,779,201

Docket No. 090451 - Response to Interrogatory No. 117 - Update to Interrogatory No. 114 with no Value for Renewable Energy Credits

		227,719	227,719
		222,970	450,689
		211,872	662,561
		215,875	878,436
		212,547	1,090,983
		211,265	1,302,448
		207,836	1,510,283
		205,393	1,715,676
		202,134	1,917,610
		212,354	2,130,163
		209,985	2,340,149
		206,997	2,547,147
		202,896	2,750,045
		200,310	2,950,358
		197,634	3,147,989
		195,517	3,343,507
		192,243	3,535,749
		246,454	3,784,204
		256,066	4,040,282
		253,037	4,293,328
		250,806	4,543,833
		248,564	4,792,627
		246,498	5,038,026
		244,783	5,282,807
		248,025	5,530,832
		246,777	5,778,810
		243,473	6,020,082
		241,414	6,261,497
		239,229	6,500,726
		237,608	6,738,231
		-	-
		-	-
		-	-
		-	-
		6,738,231	6,738,231

		240,808	240,808
		235,319	476,127
		223,700	699,827
		227,183	927,010
		223,378	1,150,387
		221,733	1,372,119
		217,483	1,589,602
		214,640	1,804,141
		210,742	2,014,884
		212,354	2,227,238
		208,085	2,437,223
		208,997	2,644,220
		202,898	2,847,119
		200,310	3,047,429
		197,834	3,245,063
		195,617	3,440,680
		192,243	3,632,823
		248,454	3,881,277
		258,088	4,137,365
		263,097	4,390,402
		260,805	4,641,007
		248,594	4,890,601
		245,499	5,135,096
		244,783	5,379,881
		248,025	5,627,906
		243,777	5,878,683
		243,473	6,117,156
		241,414	6,356,570
		239,220	6,597,799
		237,305	6,836,305
		-	-
		-	-
		6,835,305	6,835,305

	130,621	79,808	2,179	(1)	-	-	-	212,808	212,808
	126,329	81,580	2,142	(1)	-	-	-	210,050	422,858
	117,336	80,173	2,113	(1)	-	-	-	199,623	622,479
	121,875	81,130	2,072	(1)	-	-	-	204,876	827,354
	119,690	79,964	2,038	(2)	-	-	-	201,660	1,029,044
	117,737	80,988	2,015	(2)	-	-	-	200,719	1,229,783
	115,818	81,104	1,988	(2)	-	-	-	198,804	1,428,587
	113,927	81,157	1,955	(1)	-	-	-	197,098	1,625,705
	112,068	80,555	1,917	(1)	-	-	-	194,536	1,820,244
	110,240	81,991	1,898	(1)	-	-	-	194,127	2,014,371
	108,441	88,082	858	(1)	-	-	-	197,368	2,211,729
	108,672	88,552	805	(2)	-	-	-	198,128	2,407,857
	104,932	84,729	2,821	(2)	-	-	-	182,480	2,600,337
	103,220	85,094	3,022	(1)	-	-	-	191,334	2,791,871
	101,538	85,763	2,984	(2)	-	-	-	190,281	2,981,862
	99,879	87,241	3,371	(1)	-	-	-	190,491	3,172,442
	98,260	87,453	3,454	(1)	-	-	-	189,155	3,361,587
	96,647	108,684	56,338	(0)	-	-	-	259,667	3,621,264
	95,070	121,110	60,832	-	-	-	-	296,812	3,888,078
	93,519	113,808	57,583	-	-	-	-	264,887	4,153,063
	91,993	118,401	62,862	-	-	-	-	263,348	4,418,406
	90,492	112,571	60,805	-	-	-	-	262,868	4,679,278
	89,018	116,472	65,013	-	-	-	-	260,501	4,939,778
	87,564	110,414	63,342	-	-	-	-	261,319	5,201,099
	86,135	114,350	65,256	-	-	-	-	265,741	5,468,839
	84,730	108,410	71,840	-	-	-	-	264,779	5,731,618
	83,348	112,287	67,651	-	-	-	-	263,298	5,994,914
	81,988	108,240	74,329	-	-	-	-	262,556	6,257,471
	80,650	109,964	70,555	-	-	-	-	261,086	6,518,541
	79,334	104,193	77,173	-	-	-	-	260,680	6,779,201
	3,049,080	2,870,185	858,982	(25)	-	-	-	6,779,201	

Docket No. 090451 - Response to Interrogatory No. 117 - Update to Interrogatory No. 114 with no Value for Renewable Energy Credits

	258,461	258,461
	253,775	510,236
	244,664	754,890
	251,068	1,005,958
	248,734	1,255,732
	251,698	1,507,428
	250,600	1,757,929
	251,122	2,009,051
	250,664	2,259,745
	254,668	2,514,711
	255,835	2,770,345
	255,990	3,026,336
	254,557	3,280,893
	255,676	3,536,569
	258,214	3,792,783
	268,331	4,051,114
	268,652	4,309,666
	291,106	4,600,772
	297,906	4,898,277
	295,724	5,194,001
	297,343	5,491,346
	298,794	5,785,140
	296,134	6,085,274
	299,176	6,385,450
	309,430	6,684,680
	308,617	7,023,498
	312,470	7,315,967
	311,901	7,627,659
	316,770	7,944,729
	316,767	8,261,488
	8,261,488	

	284,724	284,724
	281,025	626,748
	251,120	776,868
	266,886	1,043,553
	254,561	1,288,104
	255,611	1,543,715
	253,417	1,797,133
	253,178	2,050,311
	251,812	2,302,123
	254,866	2,557,089
	255,635	2,812,724
	256,990	3,068,714
	254,557	3,323,271
	255,676	3,578,947
	253,214	3,835,162
	256,331	4,083,492
	258,552	4,332,044
	291,108	4,643,150
	287,505	4,940,656
	295,724	5,236,379
	297,346	5,533,725
	296,794	5,830,519
	298,194	6,128,663
	299,176	6,427,829
	309,430	6,737,269
	308,517	7,045,878
	312,470	7,358,346
	311,991	7,676,337
	316,770	7,987,107
	318,757	8,303,854
		8,303,854

Docket No. 090451 - Response to Interrogatory No. 117 - Update to Interrogatory No. 114 with no Value for Renewable Energy Credits

130,621	60,638	2,179	(1)	-	-	34,474	-	248,111	248,111
129,329	61,627	2,142	(1)	-	-	36,945	-	247,242	495,353
117,338	60,180	2,113	(1)	-	-	36,170	-	238,900	734,183
121,675	61,367	2,072	(2)	-	-	41,957	-	247,270	681,423
119,680	60,954	2,038	(2)	-	-	44,477	-	247,167	1,228,680
117,737	61,645	2,013	(2)	-	-	47,592	-	248,985	1,477,565
115,616	61,483	1,982	(2)	-	-	50,364	-	248,664	1,727,216
113,627	61,528	1,951	(2)	-	-	53,746	-	251,148	1,978,367
112,068	61,163	1,914	(1)	-	-	56,782	-	251,908	2,230,273
110,240	62,722	1,891	(2)	-	-	60,690	-	255,642	2,485,615
108,441	68,191	856	(2)	-	-	65,053	-	262,640	2,748,354
106,672	68,842	905	(2)	-	-	68,574	-	265,691	3,014,345
104,832	64,813	2,821	(2)	-	-	72,290	-	264,844	3,276,189
103,220	65,200	3,022	(2)	-	-	77,333	-	268,773	3,547,982
101,636	65,927	2,984	(2)	-	-	81,567	-	272,032	3,819,994
99,876	67,386	3,371	(1)	-	-	87,110	-	277,726	4,087,720
98,260	67,603	3,454	(1)	-	-	91,754	-	281,069	4,378,776
96,647	108,746	66,338	(0)	-	-	13,170	-	312,698	4,691,677
95,070	121,116	60,632	-	-	-	48,992	-	315,810	5,007,487
93,619	113,923	57,563	-	-	-	49,612	-	314,617	5,322,104
91,993	116,409	62,962	-	-	-	54,696	-	318,030	5,640,124
90,492	112,822	69,806	-	-	-	55,430	-	316,350	5,958,473
89,018	116,516	65,013	-	-	-	61,183	-	321,726	6,280,202
87,564	110,406	63,342	-	-	-	61,975	-	323,296	6,603,488
86,135	114,357	65,256	-	-	-	66,641	-	334,389	6,937,677
84,730	108,388	71,640	-	-	-	69,477	-	334,235	7,272,112
83,348	112,282	67,661	-	-	-	76,816	-	340,107	7,612,219
81,968	108,235	74,329	-	-	-	77,801	-	340,153	7,952,372
80,650	109,664	70,565	-	-	-	85,633	-	346,702	8,299,074
79,334	104,141	77,173	-	-	-	86,661	-	347,309	8,648,384
3,048,060	2,976,680	856,983	(26)	-	-	1,860,727	-	8,648,384	

		212,808	212,808
		225,465	438,270
		214,272	652,543
		218,172	870,714
		214,751	1,085,465
		213,581	1,299,046
		209,972	1,508,918
		207,342	1,716,259
		204,004	1,920,263
		215,844	2,136,207
		213,439	2,349,646
		210,303	2,559,949
		208,071	2,768,020
		203,355	2,969,375
		200,584	3,168,959
		198,321	3,368,280
		194,934	3,563,194
		251,037	3,814,231
		258,574	4,072,804
		255,415	4,328,220
		252,888	4,581,108
		250,784	4,831,892
		247,606	5,079,498
		246,800	5,326,298
		249,861	5,576,259
		247,636	5,823,895
		245,261	6,068,156
		243,125	6,312,282
		240,872	6,553,154
		238,082	6,792,236
		-	-
		-	-
		6,792,236	6,792,236

			212,806	212,806
			237,037	449,843
			226,256	676,099
			228,376	903,473
			224,668	1,128,041
			223,393	1,351,434
			219,702	1,571,136
			216,671	1,787,707
			211,830	1,999,537
			215,944	2,215,581
			213,439	2,429,020
			210,303	2,639,323
			208,071	2,847,394
			203,355	3,050,749
			200,564	3,249,313
			198,321	3,447,634
			194,634	3,642,568
			251,037	3,893,605
			258,574	4,152,178
			255,415	4,407,594
			252,968	4,660,482
			250,784	4,911,266
			247,608	5,158,872
			246,800	5,405,672
			249,661	5,655,653
			247,636	5,903,289
			245,281	6,148,530
			243,126	6,391,656
			240,872	6,632,528
			239,082	6,871,610
			-	-
			-	-
			6,871,610	6,871,610

130,821	78,808	2,179	(1)	-	-	-	212,806	212,806
128,329	81,880	2,142	(1)	-	-	-	210,950	422,898
117,398	80,173	2,113	(1)	-	-	-	199,823	822,470
121,675	81,130	2,072	(1)	-	-	-	204,876	827,354
118,680	78,984	2,038	(2)	-	-	-	201,660	1,029,044
117,737	80,988	2,015	(2)	-	-	-	200,719	1,226,783
116,816	81,104	1,985	(2)	-	-	-	198,904	1,428,667
113,927	81,157	1,955	(1)	-	-	-	197,038	1,625,705
112,068	80,555	1,917	(1)	-	-	-	194,536	1,820,244
110,240	81,991	1,888	(1)	-	-	-	194,127	2,014,371
108,441	88,062	858	(1)	-	-	-	197,358	2,211,729
106,672	88,662	905	(2)	-	-	-	198,128	2,407,857
104,932	84,729	2,821	(2)	-	-	-	192,480	2,600,337
103,220	86,094	3,022	(1)	-	-	-	191,334	2,791,871
101,636	86,763	2,984	(2)	-	-	-	190,281	2,981,852
99,879	87,241	3,371	(1)	-	-	-	190,481	3,172,442
98,260	87,453	3,454	(1)	-	-	-	189,155	3,361,597
96,647	108,884	58,336	(0)	-	-	-	259,667	3,621,284
95,070	121,110	50,632	-	-	-	-	266,812	3,888,078
93,619	113,906	57,563	-	-	-	-	264,987	4,153,083
91,993	118,401	52,952	-	-	-	-	263,346	4,416,409
90,482	112,671	59,905	-	-	-	-	262,668	4,679,278
89,018	118,472	55,013	-	-	-	-	260,501	4,939,778
87,564	110,414	63,342	-	-	-	-	261,519	5,201,098
86,135	114,950	65,256	-	-	-	-	265,741	5,468,839
84,730	108,410	71,640	-	-	-	-	264,779	5,731,618
83,348	112,287	67,661	-	-	-	-	263,296	5,994,914
81,988	108,240	74,329	-	-	-	-	262,558	6,267,471
80,650	109,884	70,555	-	-	-	-	261,089	6,518,541
79,334	104,153	77,173	-	-	-	-	260,660	6,779,201
3,049,060	2,870,189	698,982	(25)	-	-	-	-	-
							6,779,201	

Docket No. 090451 - Response to Interrogatory No. 117 - Updates to Interrogatory No. 115 with no Value for Renewable Energy Credits

Year	Actual			Budgeted CO2 Credits			Budgeted Renewable Energy Credits		
	Contract Value	Market Value	No. Hours Contracted in FY 2009	Contract Value	Market Value	Contracted in FY 2009	Contract Value	Market Value	No. Hours Contracted in FY 2009
2008	108.89	115.16	101.76	122.64	126.59	118.65	101.76	101.76	101.76
2009	109.80	115.87	103.43	124.97	128.53	121.73	111.02	116.72	103.43
2010	107.56	113.57	101.35	124.23	127.49	121.23	108.79	114.36	101.35
2011	113.05	118.97	107.28	131.47	134.41	129.49	114.25	119.59	107.28
2012	114.78	120.63	108.92	134.86	137.46	133.48	113.97	121.28	108.92
2013	117.92	123.64	111.93	140.36	142.54	138.84	119.10	124.58	111.93
2014	119.87	125.44	114.73	144.49	146.16	144.00	121.05	126.72	114.73
2015	122.63	128.10	117.64	149.94	151.17	149.95	123.79	129.31	117.64
2016	124.98	130.30	120.29	155.01	155.70	155.75	126.14	131.04	120.29
2017	135.91	135.91	124.24	163.18	163.18	163.55	138.21	138.21	124.24
2018	139.16	139.16	130.79	169.41	169.41	173.99	141.44	141.44	130.79
2019	141.94	141.94	134.49	175.53	175.53	182.39	144.20	144.20	134.49
2020	144.03	144.03	136.63	180.70	180.70	188.00	146.28	146.28	136.63
2021	147.18	147.18	140.58	187.86	187.86	197.48	149.41	149.41	140.58
2022	150.34	150.34	144.73	194.91	194.91	206.94	152.38	152.38	144.73
2023	153.99	153.99	150.03	203.46	203.46	218.74	156.20	156.20	150.03
2024	156.77	156.77	154.23	210.84	210.84	229.19	158.96	158.96	154.23
2025	209.75	209.75	219.22	245.76	245.76	264.16	211.94	211.94	219.22
2026	223.84	223.84	233.21	260.04	260.04	276.04	226.02	226.02	233.21
2027	228.98	228.98	239.80	267.62	267.62	284.71	231.13	231.13	239.80
2028	234.79	234.79	246.73	278.58	278.58	297.96	236.93	236.93	246.73
2029	241.14	241.14	254.98	287.89	287.89	308.81	243.27	243.27	254.98
2030	246.33	246.33	261.62	299.41	299.41	323.10	248.66	248.66	261.62
2031	254.51	254.51	271.70	311.07	311.07	336.14	256.61	256.61	271.70
2032	267.00	267.00	286.07	333.10	333.10	359.96	269.08	269.08	286.07
2033	273.92	273.92	293.10	343.96	343.96	372.51	275.99	275.99	293.10
2034	280.95	280.95	303.83	360.37	360.37	392.46	283.01	283.01	303.83
2035	288.41	288.41	313.66	372.72	372.72	406.36	290.45	290.45	313.66
2036	295.89	295.89	322.91	391.81	391.81	428.83	297.93	297.93	322.91
2037	304.14	304.14	333.80	405.63	405.63	444.75	306.16	306.16	333.80

7.13	13.40	3.99	7.94	-	-
6.37	12.44	3.22	6.78	7.99	13.29
6.21	12.22	3.00	6.26	7.44	13.01
5.77	11.69	1.98	4.92	6.97	12.31
5.86	11.71	1.36	3.98	7.05	12.36
5.99	11.71	1.52	3.70	7.17	12.65
5.14	10.71	0.49	2.16	6.32	11.99
4.99	10.46	(0.01)	1.22	6.15	11.67
4.69	10.01	(0.74)	(0.05)	5.85	10.75
11.67	11.67	(0.37)	(0.37)	13.97	13.97
8.37	8.37	(4.58)	(4.58)	10.65	10.65
7.45	7.45	(6.86)	(6.86)	9.71	9.71
7.40	7.40	(7.30)	(7.30)	9.65	9.65
6.60	6.60	(9.62)	(9.62)	8.83	8.83
5.59	5.59	(12.03)	(12.03)	7.83	7.83
3.96	3.96	(15.28)	(15.28)	6.17	6.17
2.52	2.52	(18.35)	(18.35)	4.71	4.71
(9.47)	(9.47)	(18.40)	(18.40)	(7.28)	(7.28)
(9.37)	(9.37)	(16.00)	(16.00)	(7.19)	(7.19)
(10.82)	(10.82)	(17.09)	(17.09)	(8.67)	(8.67)
(11.94)	(11.94)	(19.38)	(19.38)	(9.80)	(9.80)
(13.84)	(13.84)	(20.92)	(20.92)	(11.71)	(11.71)
(15.07)	(15.07)	(23.69)	(23.69)	(12.96)	(12.96)
(17.19)	(17.19)	(25.07)	(25.07)	(15.09)	(15.09)
(19.07)	(19.07)	(26.86)	(26.86)	(16.99)	(16.99)
(21.18)	(21.18)	(28.55)	(28.55)	(19.11)	(19.11)
(22.88)	(22.88)	(31.89)	(31.89)	(20.82)	(20.82)
(25.25)	(25.25)	(33.64)	(33.64)	(23.21)	(23.21)
(27.02)	(27.02)	(37.02)	(37.02)	(24.98)	(24.98)
(29.66)	(29.66)	(39.12)	(39.12)	(27.64)	(27.64)

Docket No. 090451-EM
Response to Staff Interrogatory No. 118

Notes:

1. In all scenarios the GRBC PFA begins January 1, 2015.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		2,815	79,170			212,806	212,806
2015	126,329		2,026	97,109			225,465	438,270
2016	117,338		2,029	94,905			214,272	652,543
2017	121,673		2,052	94,445			218,172	870,714
2018	119,690		2,018	93,043			214,751	1,085,463
2019	117,737		1,871	93,972			213,581	1,299,046
2020	115,816		1,844	92,211			209,872	1,508,918
2021	113,927		1,848	91,567			207,342	1,716,259
2022	112,068		1,825	90,110			204,904	1,920,263
2023	110,240		1,321	104,383			215,944	2,136,207
2024	108,441		1,353	103,644			213,439	2,349,646
2025	106,672		1,379	102,232			210,303	2,559,949
2026	104,932		1,400	99,739			206,071	2,766,020
2027	103,220		1,411	98,724			203,355	2,969,373
2028	101,536		1,382	97,646			200,564	3,169,939
2029	99,879		1,397	97,043			198,321	3,368,260
2030	98,250		1,371	95,313			194,934	3,563,194
2031	96,647		2,130	152,240			251,037	3,814,231
2032	95,070		2,479	161,023			238,574	4,072,804
2033	93,519		2,369	159,527			255,415	4,328,320
2034	91,993		2,432	158,463			252,888	4,581,108
2035	90,492		2,323	157,969			250,784	4,831,892
2036	89,016		2,389	156,201			247,606	5,079,498
2037	87,564		2,287	156,949			246,800	5,326,298
2038	86,133		2,438	161,368			249,361	5,576,259
2039	84,730		2,311	160,595			247,636	5,823,895
2040	83,348		2,399	159,514			245,261	6,069,156
2041	81,988		2,256	158,842			243,126	6,312,282
2042	80,650		2,344	157,878			240,872	6,553,154
2043	79,334		2,199	157,349			239,082	6,792,236

Notes:

1. In all scenarios the GREC PPA begins January 1, 2015.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2014 Fuel Price Forecast

Year	Capital Costs	Operating Costs	Revenue	Net Present Value	Internal Rate of Return	Payback Period	Levelized Cost of Electricity	Levelized Cost of Heat
2014	130,821		2,915	79,170			212,806	212,806
2015	126,329		2,026	108,683			237,037	449,843
2016	117,338		2,029	105,889			225,256	675,098
2017	121,673		2,052	104,647			238,175	903,473
2018	119,690		2,018	102,860			224,568	1,128,041
2019	117,737		1,871	103,783			223,393	1,351,434
2020	115,816		1,844	102,041			219,702	1,571,136
2021	113,927		1,848	100,796			216,571	1,787,707
2022	112,068		1,825	98,037			211,930	1,999,637
2023	110,240		1,321	104,383			215,944	2,215,581
2024	108,441		1,333	103,644			213,439	2,429,020
2025	106,672		1,379	102,252			210,303	2,639,323
2026	104,932		1,400	99,739			206,071	2,845,394
2027	103,220		1,411	98,724			203,355	3,048,749
2028	101,536		1,382	97,646			200,564	3,249,313
2029	99,879		1,397	97,043			198,321	3,447,634
2030	98,250		1,371	95,313			194,934	3,643,568
2031	96,647		2,130	132,240			231,037	3,893,605
2032	95,070		2,479	161,023			258,374	4,132,178
2033	93,519		2,369	159,327			235,413	4,407,394
2034	91,993		2,432	158,463			252,888	4,660,482
2035	90,492		2,523	157,969			250,784	4,911,266
2036	89,016		2,389	156,201			247,606	5,158,872
2037	87,564		2,287	156,949			246,800	5,405,672
2038	86,133		2,458	161,368			249,961	5,655,633
2039	84,730		2,311	160,393			247,636	5,903,269
2040	83,348		2,399	159,514			245,261	6,148,530
2041	81,988		2,256	158,882			243,126	6,391,656
2042	80,650		2,344	157,878			240,872	6,632,524
2043	79,334		2,199	157,549			239,063	6,871,610

Notes:

1. In all scenarios the GREC PPA begins January 1, 2015.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs use AEO 2010 Fuel Price Forecasts

2014	130,821		2,815	79,170			212,806	212,806
2015	126,329		2,848	80,873			210,050	422,856
2016	117,338		2,835	79,449			199,623	622,479
2017	121,675		2,794	80,407			204,876	827,354
2018	119,690		2,748	79,252			201,690	1,029,044
2019	117,737		2,499	80,482			200,719	1,229,763
2020	115,816		2,472	80,616			198,504	1,428,667
2021	113,927		2,472	80,639			197,031	1,625,705
2022	112,068		2,440	80,031			194,539	1,820,244
2023	110,240		2,468	81,419			194,127	2,014,371
2024	108,441		2,478	86,439			197,338	2,211,729
2025	106,672		2,475	86,981			196,128	2,407,857
2026	104,932		2,550	85,018			192,480	2,600,337
2027	103,220		2,477	85,637			191,334	2,791,671
2028	101,536		2,482	86,263			190,281	2,981,952
2029	99,879		2,451	88,161			190,491	3,172,442
2030	98,230		2,443	88,459			189,133	3,361,397
2031	96,647		2,696	160,324			259,667	3,621,264
2032	95,070		3,053	168,689			266,812	3,888,076
2033	93,519		2,842	168,626			264,987	4,153,063
2034	91,993		2,955	168,398			263,346	4,416,409
2035	90,492		2,754	169,622			262,868	4,679,278
2036	89,016		2,869	168,616			260,501	4,939,778
2037	87,564		2,673	171,983			261,319	5,201,098
2038	86,133		2,803	176,803			263,741	5,466,839
2039	84,730		2,805	177,444			264,779	5,731,618
2040	83,348		2,718	177,230			263,296	5,994,914
2041	81,988		2,524	178,046			262,538	6,257,471
2042	80,650		2,650	177,789			261,069	6,518,541
2043	79,334		2,444	178,882			260,660	6,779,201

Notes:

1. In all scenarios the GREC PPA begins January 1, 2015.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		2,863	79,951	34,474		248,111	248,111
2015	126,329		2,033	97,116	30,791		256,269	504,380
2016	117,332		2,037	93,000	32,718		247,094	751,474
2017	121,673		2,064	94,434	35,193		253,365	1,004,839
2018	119,490		2,003	92,940	37,305		251,939	1,256,778
2019	117,737		1,880	94,136	40,058		253,812	1,510,590
2020	113,816		1,860	92,316	42,344		252,536	1,763,126
2021	113,927		1,872	91,903	45,369		253,071	2,016,196
2022	112,968		1,834	90,749	47,894		252,564	2,268,760
2023	110,240		1,340	104,717	42,259		258,555	2,527,316
2024	108,441		1,357	103,671	45,619		259,089	2,786,403
2025	106,672		1,378	102,284	48,961		259,296	3,045,701
2026	104,932		1,401	99,767	51,630		257,730	3,303,430
2027	103,220		1,411	98,696	55,394		258,720	3,562,151
2028	101,336		1,383	97,673	58,351		259,143	3,821,293
2029	99,479		1,400	97,094	62,762		261,133	4,082,430
2030	98,250		1,372	95,272	66,349		261,243	4,343,673
2031	96,647		2,149	152,160	42,732		293,689	4,637,362
2032	93,070		2,479	161,029	41,413		299,991	4,937,353
2033	93,519		2,172	150,469	42,742		298,102	5,235,453
2034	91,993		2,432	158,489	46,734		299,628	5,535,083
2035	90,492		2,323	158,013	48,136		298,983	5,834,068
2036	89,016		2,389	156,239	52,598		300,242	6,134,310
2037	87,564		2,287	156,941	54,401		301,194	6,435,304
2038	86,133		2,438	161,374	61,399		311,267	6,746,871
2039	84,730		2,311	160,375	62,860		310,476	7,057,346
2040	83,348		2,399	159,510	69,001		314,258	7,371,604
2041	81,988		2,336	158,877	70,582		313,703	7,685,307
2042	80,650		2,344	157,878	77,541		318,413	8,003,720
2043	79,334		2,199	157,537	79,263		318,333	8,322,053

Notes:

1. In all scenarios the CREC PPA begins January 1, 2015.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AED 2010 Fuel Price Forecasts

Case	Capital Costs	Operating Costs	Revenue	Net Present Value	Internal Rate of Return	Payback Period	Simple Payback Period
2014	130,821	2,865	79,951	34,474	248,111	248,111	
2015	126,329	2,033	106,771	25,082	260,215	508,526	
2016	117,338	2,037	104,061	26,694	250,131	758,437	
2017	121,673	2,064	102,774	28,725	255,239	1,013,696	
2018	119,690	2,003	101,042	30,479	253,214	1,266,909	
2019	117,737	1,880	102,483	32,797	254,898	1,521,807	
2020	115,816	1,860	101,099	34,718	253,494	1,778,301	
2021	113,927	1,872	100,220	37,291	253,309	2,028,610	
2022	112,068	1,854	97,783	39,375	251,080	2,279,690	
2023	110,240	1,340	104,717	42,259	258,555	2,538,246	
2024	108,441	1,357	103,671	45,619	259,089	2,797,335	
2025	106,672	1,378	102,284	48,961	259,296	3,056,630	
2026	104,932	1,401	99,767	51,630	257,730	3,314,360	
2027	103,220	1,411	98,696	55,394	258,720	3,573,081	
2028	101,536	1,383	97,675	58,531	259,145	3,832,825	
2029	99,879	1,400	97,094	62,762	261,133	4,093,360	
2030	98,250	1,372	95,272	66,349	261,243	4,354,603	
2031	96,647	2,149	132,160	42,732	293,689	4,648,292	
2032	95,070	2,479	161,029	41,413	299,991	4,948,282	
2033	93,510	2,372	159,469	42,742	298,102	5,246,385	
2034	91,993	2,432	158,469	46,734	299,628	5,546,013	
2035	90,492	2,323	158,013	48,156	298,983	5,844,998	
2036	89,016	2,389	156,239	52,598	300,242	6,143,240	
2037	87,564	2,287	156,941	54,401	301,194	6,440,434	
2038	86,135	2,458	161,374	61,399	311,367	6,737,800	
2039	84,730	2,311	160,575	62,860	310,476	7,068,276	
2040	83,348	2,399	159,510	69,001	314,258	7,382,534	
2041	81,988	2,256	158,877	70,582	313,703	7,696,237	
2042	80,650	2,344	157,878	77,541	318,413	8,014,650	
2043	79,334	2,199	157,337	79,263	318,333	8,332,983	

Notes:

- In all references the CRRIC PPA begins January 1, 2015.
- All figures are present worth with a 7.0% discount rate and 2009 base year.
- Fixed O&M Costs are included in the "Capital Costs" column.

All Costs are AED 2010 Real Price Base Year

2014	130,821	2,865	79,951	34,474	248,111	248,111	495,353
2015	126,329	2,881	81,087	36,945	247,242	247,242	495,353
2016	117,338	2,817	79,474	39,170	238,800	238,800	481,153
2017	121,675	2,871	80,767	41,957	247,270	247,270	491,423
2018	119,690	2,834	80,166	44,477	247,157	247,157	488,580
2019	117,737	2,732	81,134	47,582	248,985	248,985	485,565
2020	115,816	2,632	80,985	50,564	249,854	249,854	482,519
2021	113,927	2,488	80,987	53,446	251,148	251,148	479,367
2022	112,068	2,460	80,815	56,262	251,906	251,906	476,273
2023	110,240	2,411	82,130	60,090	252,542	252,542	473,185
2024	108,441	2,358	83,519	65,053	252,940	252,940	470,134
2025	106,672	2,323	85,101	69,974	253,991	253,991	467,143
2026	104,932	2,310	86,101	72,280	254,844	254,844	464,244
2027	103,220	2,304	87,217	75,333	255,773	255,773	461,345
2028	101,536	2,492	88,418	78,587	256,702	256,702	458,494
2029	99,879	2,467	89,270	82,110	257,726	257,726	455,720
2030	98,250	2,462	89,993	85,754	258,850	258,850	453,029
2031	96,647	2,712	160,369	53,170	312,898	312,898	4,691,677
2032	95,070	3,053	168,644	48,992	315,810	315,810	5,007,487
2033	93,519	2,842	168,444	49,612	314,617	314,617	5,322,104
2034	91,993	2,953	168,406	54,666	318,020	318,020	5,640,124
2035	90,492	2,754	169,673	55,430	318,350	318,350	5,958,473
2036	89,016	2,869	168,660	61,183	321,728	321,728	6,280,202
2037	87,564	2,673	171,074	61,973	323,284	323,284	6,603,488
2038	86,135	2,903	176,810	68,641	334,389	334,389	6,937,677
2039	84,720	2,605	177,422	69,477	334,233	334,233	7,272,112
2040	83,348	2,718	177,225	76,116	340,107	340,107	7,612,219
2041	81,988	2,524	178,041	77,601	340,153	340,153	7,952,272
2042	80,650	2,630	177,780	85,633	346,702	346,702	8,299,074
2043	79,334	2,444	178,870	86,661	347,509	347,509	8,646,544

Notes:

1. In all scenarios the GRSC FPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9
2014	130,821		1,962	95,970			228,753	228,753
2015	126,329		2,026	95,760			224,115	452,869
2016	117,338		2,029	93,634			213,001	665,870
2017	121,675		2,052	93,237			216,983	882,853
2018	119,690		2,018	91,928			213,636	1,096,491
2019	117,737		1,871	92,929			212,538	1,309,029
2020	115,816		1,844	91,233			208,894	1,517,923
2021	113,927		1,848	90,656			206,431	1,724,353
2022	112,068		1,825	89,261			203,154	1,927,507
2023	110,240		1,321	102,801			214,362	2,141,869
2024	108,441		1,353	102,171			211,566	2,353,835
2025	106,672		1,379	100,891			208,942	2,562,778
2026	104,932		1,400	98,478			204,810	2,767,588
2027	103,220		1,411	97,561			202,191	2,969,779
2028	101,536		1,382	96,569			199,488	3,169,267
2029	99,879		1,397	96,060			197,336	3,366,603
2030	98,250		1,371	94,414			194,054	3,560,638
2031	96,647		2,150	151,418			250,215	3,810,853
2032	95,070		2,479	160,277			257,826	4,068,680
2033	93,519		2,369	156,831			254,740	4,323,419
2034	91,993		2,432	157,836			252,281	4,575,700
2035	90,492		2,323	157,428			250,244	4,825,944
2036	89,016		2,389	155,719			247,123	5,073,069
2037	87,564		2,287	156,527			246,378	5,319,447
2038	86,135		2,458	161,000			249,393	5,569,040
2039	84,730		2,311	160,280			247,321	5,816,361
2040	83,348		2,399	159,250			244,997	6,061,357
2041	81,988		2,256	158,664			242,908	6,304,265
2042	80,650		2,344	157,703			240,699	6,544,964
2043	79,334		2,199	157,417			238,931	6,783,913

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Present Worth	Present Worth	Present Worth	Present Worth
2014	130,821		1,962	110,093		242,877	242,877
2015	126,329		2,026	109,234		237,609	480,486
2016	117,338		2,029	106,592		223,959	706,445
2017	121,675		2,052	105,676		229,403	935,848
2018	119,690		2,018	103,848		225,556	1,161,404
2019	117,737		1,871	104,269		223,878	1,385,281
2020	115,816		1,844	101,933		219,599	1,604,880
2021	113,927		1,848	100,840		216,615	1,821,495
2022	112,068		1,825	98,890		212,783	2,034,278
2023	110,240		1,321	102,801		214,362	2,248,640
2024	108,441		1,353	102,171		211,966	2,460,606
2025	106,672		1,379	100,891		208,942	2,669,549
2026	104,932		1,400	98,478		204,810	2,874,359
2027	103,220		1,411	97,561		202,193	3,076,550
2028	101,536		1,382	96,569		199,488	3,276,038
2029	99,879		1,397	96,060		197,336	3,473,374
2030	98,230		1,371	94,414		194,034	3,667,409
2031	96,647		2,150	151,418		230,215	3,917,624
2032	95,070		2,479	160,277		237,826	4,175,450
2033	93,519		2,369	138,851		234,740	4,430,190
2034	91,993		2,432	137,856		232,281	4,682,471
2035	90,492		2,323	137,428		230,244	4,932,715
2036	89,016		2,389	135,719		247,123	5,179,439
2037	87,564		2,287	136,927		246,378	5,424,218
2038	86,135		2,458	161,000		249,399	5,673,811
2039	84,730		2,311	160,280		247,321	5,923,131
2040	83,348		2,299	159,230		244,997	6,168,128
2041	81,988		2,256	138,664		242,908	6,411,036
2042	80,650		2,344	137,705		240,699	6,651,735
2043	79,334		2,199	137,417		238,931	6,890,646

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs are AEO 2010 Fuel Price Forecast

2014	130,821		2,815	79,170		212,806	212,806
2015	126,329		2,848	80,873		210,050	422,856
2016	117,338		2,835	79,449		199,623	622,479
2017	121,675		2,794	80,407		204,876	827,354
2018	119,690		2,748	79,252		201,690	1,029,044
2019	117,737		2,499	80,482		200,719	1,229,763
2020	115,816		2,472	80,616		198,904	1,428,667
2021	113,927		2,472	80,639		197,038	1,625,705
2022	112,068		2,440	80,051		194,539	1,820,244
2023	110,240		2,468	81,419		194,127	2,014,371
2024	108,441		2,478	86,439		197,358	2,211,729
2025	106,672		2,475	86,981		196,128	2,407,857
2026	104,932		2,530	85,018		192,480	2,600,337
2027	103,220		2,477	85,637		191,334	2,791,671
2028	101,536		2,482	86,263		190,281	2,981,952
2029	99,879		2,451	88,161		190,493	3,172,442
2030	98,250		2,445	88,459		189,155	3,361,597
2031	96,647		2,696	160,324		259,667	3,621,264
2032	95,070		3,053	168,689		266,812	3,888,076
2033	93,519		2,842	168,626		264,987	4,153,063
2034	91,993		2,955	168,398		263,346	4,416,409
2035	90,492		2,754	169,622		262,868	4,679,278
2036	89,016		2,869	168,616		260,501	4,939,778
2037	87,564		2,673	171,083		261,319	5,201,098
2038	86,135		2,803	176,803		265,741	5,466,839
2039	84,730		2,605	177,444		264,779	5,731,618
2040	83,348		2,718	177,230		263,296	5,994,914
2041	81,988		2,524	178,046		262,558	6,257,471
2042	80,650		2,630	177,789		261,069	6,518,341
2043	79,334		2,444	178,882		260,660	6,779,201

Notes:

1. In all scenarios the OREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		1,993	96,083	28,594		257,496	257,496
2015	126,329		2,033	93,767	30,791		254,930	512,415
2016	117,338		2,037	93,729	32,718		245,823	758,239
2017	121,673		2,064	93,246	35,193		252,178	1,019,417
2018	119,690		2,003	91,826	37,305		250,824	1,261,241
2019	117,737		1,880	93,093	40,038		252,768	1,514,009
2020	115,816		1,860	91,337	42,344		251,558	1,765,568
2021	113,927		1,872	90,992	45,369		252,160	2,017,727
2022	112,068		1,854	89,899	47,894		251,715	2,269,443
2023	110,240		1,340	103,135	42,259		256,974	2,526,416
2024	108,441		1,337	102,198	45,619		257,616	2,784,031
2025	106,672		1,378	100,923	48,961		257,935	3,041,967
2026	104,932		1,401	98,597	51,630		256,469	3,298,436
2027	103,220		1,411	97,332	55,394		257,357	3,555,995
2028	101,536		1,383	96,599	58,551		258,068	3,814,061
2029	99,879		1,400	96,109	62,762		260,150	4,074,211
2030	98,250		1,372	94,373	66,349		260,344	4,334,554
2031	96,647		2,149	151,339	42,732		292,867	4,627,423
2032	95,070		2,479	160,282	41,413		299,243	4,926,665
2033	93,519		2,372	158,793	42,742		297,427	5,224,092
2034	91,993		2,432	157,863	46,734		299,022	5,523,113
2035	90,492		2,323	157,473	48,156		298,444	5,821,337
2036	89,016		2,389	155,757	52,598		299,760	6,121,318
2037	87,564		2,287	156,520	54,401		300,772	6,422,090
2038	86,133		2,458	161,006	61,399		310,999	6,733,089
2039	84,730		2,311	160,260	62,860		310,160	7,043,249
2040	83,348		2,399	159,246	69,001		313,993	7,357,243
2041	81,983		2,256	158,639	70,582		313,485	7,670,727
2042	80,650		2,344	157,703	77,541		318,240	7,988,967
2043	79,334		2,199	157,406	79,263		318,202	8,307,169

Notes:

1. In all scenarios the GREC PTA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		1,993	105,384	23,283		261,483	261,483
2015	126,329		2,033	104,162	25,082		257,606	519,089
2016	117,338		2,037	101,284	26,694		247,353	766,444
2017	121,675		2,064	99,973	28,725		252,438	1,018,881
2018	119,690		2,003	97,733	30,479		249,904	1,268,786
2019	117,737		1,880	98,080	32,797		250,495	1,519,281
2020	115,816		1,860	95,513	34,718		247,907	1,767,188
2021	113,927		1,872	94,086	37,291		247,176	2,014,364
2022	112,068		1,834	92,058	39,575		245,335	2,259,698
2023	110,240		1,340	103,133	42,259		256,974	2,516,672
2024	108,441		1,357	102,198	45,619		257,618	2,774,288
2025	106,672		1,378	100,923	48,961		257,935	3,032,223
2026	104,932		1,401	98,507	51,630		256,469	3,288,692
2027	103,220		1,411	97,532	55,394		257,557	3,546,249
2028	101,536		1,383	96,599	58,551		258,068	3,804,317
2029	99,879		1,400	96,109	62,762		260,150	4,064,467
2030	98,230		1,372	94,373	66,349		260,344	4,324,811
2031	96,647		2,149	131,339	42,732		292,867	4,617,678
2032	95,070		2,479	160,282	41,413		299,243	4,916,921
2033	93,519		2,372	158,793	42,742		297,427	5,214,348
2034	91,993		2,432	157,863	46,734		299,022	5,513,370
2035	90,492		2,323	157,473	48,156		298,444	5,811,814
2036	89,016		2,389	155,737	52,598		299,760	6,111,574
2037	87,564		2,287	156,520	54,401		300,772	6,412,348
2038	86,135		2,458	161,006	61,399		310,999	6,723,343
2039	84,730		2,311	160,260	62,860		310,160	7,033,505
2040	83,348		2,399	159,246	69,001		313,993	7,347,499
2041	81,988		2,256	158,639	70,582		313,485	7,660,984
2042	80,650		2,344	157,705	77,541		318,240	7,979,224
2043	79,334		2,199	157,406	79,263		318,202	8,297,426

Notes:

1. In all scenarios the CREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Operating Costs	Revenue	Net Present Value	Internal Rate of Return	Payback Period	Levelized Cost of Energy	Levelized Cost of Storage	Levelized Cost of Dispatch
2014	130,821		2,865	79,951	34,674		248,111		248,111
2015	126,329		2,881	81,087	36,045		247,242		483,353
2016	117,338		2,817	79,474	39,170		238,800		734,153
2017	121,675		2,871	80,767	41,957		247,270		981,423
2018	118,690		2,824	80,166	44,477		247,157		1,228,580
2019	117,757		2,522	81,134	47,592		248,983		1,477,565
2020	115,816		2,488	80,983	50,364		249,654		1,727,219
2021	113,927		2,488	80,587	53,746		251,148		1,978,367
2022	112,068		2,460	80,613	56,762		251,906		2,230,273
2023	110,240		2,491	82,120	60,690		255,342		2,485,815
2024	108,441		2,526	86,319	65,053		262,340		2,748,354
2025	106,672		2,523	87,221	69,574		265,991		3,014,343
2026	104,952		2,530	85,101	72,280		264,844		3,279,169
2027	103,220		2,504	85,717	77,333		268,773		3,547,962
2028	101,536		2,492	86,418	81,547		272,032		3,819,994
2029	99,879		2,467	88,270	87,110		277,726		4,097,720
2030	98,250		2,462	88,593	91,734		281,059		4,378,779
2031	96,647		2,712	160,369	53,170		312,896		4,661,677
2032	95,070		3,033	168,695	48,992		315,810		5,007,487
2033	93,519		2,842	168,644	49,612		314,617		5,322,104
2034	91,993		2,935	168,406	54,666		318,020		5,640,124
2035	90,492		2,754	169,673	55,430		318,350		5,958,473
2036	89,016		2,869	168,660	61,183		321,728		6,280,202
2037	87,564		2,673	171,074	61,975		323,286		6,603,488
2038	86,135		2,803	176,810	68,641		334,369		6,937,877
2039	84,730		2,605	177,422	69,477		334,233		7,272,112
2040	83,348		2,718	177,225	76,816		340,107		7,612,219
2041	81,988		2,324	178,041	77,601		340,153		7,957,372
2042	80,650		2,630	177,789	83,633		346,702		8,299,074
2043	79,334		2,444	178,870	86,661		347,309		8,646,384

Notes:

1. In all scenarios the GR&C PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Flood O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Operational Costs	Variable Costs	Fixed Costs	CO ₂	Other Costs	Total Costs	Total Benefits
2014	130,821		1,962	93,904			226,687	226,687
2015	126,329		2,026	93,383			221,738	448,425
2016	117,338		2,029	91,289			210,656	659,081
2017	121,675		2,052	90,957			214,684	873,766
2018	119,690		2,018	89,663			211,373	1,085,139
2019	117,737		1,871	90,709			210,312	1,295,431
2020	115,816		1,844	89,037			206,698	1,502,148
2021	113,927		1,848	88,502			204,277	1,706,423
2022	112,068		1,825	87,142			201,036	1,907,461
2023	110,240		1,321	98,633			210,199	2,117,654
2024	108,441		1,353	98,059			207,854	2,325,508
2025	106,672		1,379	96,838			204,909	2,530,417
2026	104,932		1,400	94,311			200,843	2,731,259
2027	103,220		1,411	93,657			198,288	2,929,547
2028	101,536		1,382	93,719			195,638	3,125,185
2029	99,879		1,377	92,284			193,559	3,318,744
2030	98,250		1,371	90,699			190,319	3,509,064
2031	96,647		2,150	147,764			246,561	3,755,625
2032	95,070		2,479	136,672			234,221	4,009,846
2033	93,519		2,369	135,313			231,204	4,261,050
2034	91,993		2,432	134,377			248,802	4,509,852
2035	90,492		2,323	134,006			246,823	4,756,674
2036	89,016		2,389	132,344			243,749	5,000,423
2037	87,564		2,287	133,216			243,067	5,243,490
2038	86,135		2,458	137,743			246,336	5,489,826
2039	84,730		2,311	137,076			244,117	5,733,943
2040	83,348		2,399	136,089			241,836	5,975,779
2041	81,988		2,256	135,564			239,808	6,215,587
2042	80,650		2,344	134,655			237,649	6,453,236
2043	79,334		2,199	134,417			235,951	6,689,187

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs are AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Other Costs	Variable O&M Costs	Fixed O&M Costs	Other Costs (CO ₂)	Other Costs	Total Costs	Combinations Total Costs
2014	150,821		1,962	105,961			258,744	258,744
2015	126,329		2,026	104,500			232,855	471,599
2016	117,358		2,029	101,901			221,288	692,867
2017	121,675		2,052	101,075			224,802	917,669
2018	119,690		2,018	99,322			221,030	1,138,699
2019	117,737		1,871	99,817			219,426	1,358,125
2020	115,816		1,844	97,546			215,207	1,573,332
2021	113,927		1,848	96,532			212,307	1,785,639
2022	112,068		1,825	94,652			208,546	1,994,184
2023	110,240		1,821	96,633			210,193	2,204,378
2024	108,441		1,353	98,059			207,854	2,412,232
2025	106,672		1,379	96,858			204,909	2,617,141
2026	104,933		1,400	94,511			200,843	2,817,983
2027	103,220		1,411	93,657			198,288	3,016,271
2028	101,536		1,382	92,719			195,638	3,211,909
2029	99,879		1,397	92,284			193,559	3,405,468
2030	98,250		1,371	90,699			190,319	3,595,788
2031	96,647		1,150	147,764			246,561	3,842,348
2032	95,070		2,479	156,672			254,221	4,096,570
2033	93,519		2,369	155,315			251,204	4,347,773
2034	91,993		2,432	154,377			248,802	4,596,576
2035	90,492		2,323	154,006			246,822	4,843,398
2036	89,016		2,389	152,344			243,749	5,087,147
2037	87,564		2,287	153,216			243,067	5,330,214
2038	86,133		2,458	157,743			246,336	5,576,550
2039	84,730		2,311	157,076			244,117	5,820,667
2040	83,348		2,399	156,089			241,836	6,062,503
2041	81,988		2,256	155,564			239,808	6,302,310
2042	80,650		2,344	154,655			237,649	6,539,960
2043	79,334		2,199	154,417			235,951	6,775,911

Notes:

1. In all scenarios the OREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Transmission Costs (000)	Other Costs	Total Costs	Discounted Total Costs
2014	130,821		2,815	79,170			212,806	212,806
2015	126,329		2,848	80,873			210,050	422,856
2016	117,538		2,833	79,440			199,821	622,479
2017	121,675		2,794	80,407			204,876	827,354
2018	119,690		2,748	79,232			201,680	1,029,044
2019	117,737		2,499	80,482			200,719	1,229,763
2020	115,816		2,472	80,616			198,904	1,428,667
2021	113,927		2,472	80,639			197,038	1,625,705
2022	112,068		2,440	80,031			194,539	1,820,244
2023	110,240		2,468	81,419			194,127	2,014,371
2024	108,441		2,478	86,439			197,358	2,211,729
2025	106,672		2,475	86,981			196,128	2,407,857
2026	104,932		2,530	85,018			192,480	2,600,337
2027	103,230		2,477	85,637			191,334	2,791,671
2028	101,536		2,482	86,263			190,281	2,981,952
2029	99,879		2,451	88,161			190,491	3,172,442
2030	98,250		2,445	88,439			189,155	3,361,997
2031	96,647		2,696	160,324			259,667	3,621,264
2032	95,070		3,053	168,689			266,812	3,888,076
2033	93,519		2,842	168,626			264,987	4,153,063
2034	91,993		2,955	168,398			263,346	4,416,409
2035	90,492		2,754	169,622			262,868	4,679,278
2036	89,016		2,809	168,616			260,501	4,939,778
2037	87,564		2,673	171,083			261,319	5,201,098
2038	86,133		2,803	176,803			265,741	5,466,899
2039	84,730		2,605	177,444			264,779	5,731,618
2040	83,348		2,718	177,230			263,296	5,994,914
2041	81,983		2,524	178,046			262,558	6,257,471
2042	80,650		2,630	177,789			261,069	6,518,541
2043	79,334		2,444	178,882			260,660	6,779,201

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs are AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Coal Costs	Gas Costs (CO ₂)	Nuclear Costs	Hydro Costs	Total Costs
2014	130,821		1,993	94,021	28,594		255,429	255,429
2015	126,329		2,033	93,389	30,791		252,542	507,972
2016	117,339		2,037	91,384	32,718		243,478	751,450
2017	121,673		2,064	90,946	33,193		249,877	1,001,328
2018	119,690		2,003	89,563	37,303		248,561	1,249,889
2019	117,737		1,880	90,867	40,058		250,542	1,500,431
2020	115,816		1,860	89,342	42,344		249,362	1,749,793
2021	113,927		1,872	88,838	45,369		250,008	1,999,799
2022	112,068		1,854	87,780	47,894		249,496	2,249,395
2023	110,240		1,340	98,966	42,259		252,803	2,502,200
2024	108,441		1,357	98,086	45,619		253,504	2,755,704
2025	106,672		1,378	96,889	48,961		253,901	3,009,605
2026	104,932		1,401	94,339	51,630		252,501	3,262,107
2027	103,220		1,411	93,629	55,394		253,634	3,515,761
2028	101,536		1,383	92,749	58,551		254,218	3,769,979
2029	99,879		1,400	92,332	62,762		256,373	4,026,352
2030	98,250		1,372	90,637	66,349		256,629	4,282,980
2031	96,647		2,149	147,694	42,732		289,213	4,572,193
2032	95,070		2,479	136,677	41,413		295,638	4,867,831
2033	93,519		2,372	155,257	42,742		293,890	5,161,722
2034	91,993		2,432	154,384	46,734		295,543	5,457,263
2035	90,492		2,323	154,051	48,156		295,022	5,752,287
2036	89,016		2,389	152,382	52,598		296,383	6,048,672
2037	87,564		2,287	153,209	54,401		297,461	6,346,133
2038	86,135		2,498	157,749	61,399		307,742	6,633,879
2039	84,730		2,311	157,056	62,860		306,956	6,960,831
2040	83,348		2,399	156,085	69,001		310,833	7,271,664
2041	81,988		2,256	155,558	70,582		310,383	7,582,049
2042	80,650		2,344	154,656	77,541		315,190	7,897,239
2043	79,334		2,199	154,406	79,263		315,202	8,212,441

Notes:

1. In all scenarios the GRBC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Costs (M\$)	Costs (M\$)	Costs (M\$)	Costs (M\$)	Costs (M\$)
2014	130,821		1,993	101,252	23,285		257,351	257,351
2015	126,329		2,033	99,407	25,082		252,851	510,202
2016	117,338		2,037	96,594	26,694		242,664	752,866
2017	121,675		2,064	93,372	28,723		247,837	1,000,703
2018	119,690		2,003	93,207	30,479		245,599	1,246,081
2019	117,737		1,880	93,628	32,797		246,043	1,492,124
2020	115,816		1,860	91,121	34,718		243,515	1,735,640
2021	113,927		1,872	89,776	37,291		242,868	1,978,507
2022	112,068		1,854	87,800	39,375		241,097	2,219,604
2023	110,240		1,340	98,966	42,259		252,805	2,472,410
2024	108,441		1,357	98,086	45,619		253,504	2,725,914
2025	106,672		1,378	96,889	48,961		253,901	2,979,815
2026	104,932		1,401	94,539	51,630		252,501	3,232,316
2027	103,220		1,411	93,629	55,394		253,654	3,485,970
2028	101,536		1,383	92,749	58,551		254,218	3,740,188
2029	99,879		1,400	92,332	62,762		256,373	3,994,561
2030	98,250		1,372	90,657	66,349		256,629	4,253,190
2031	96,647		2,149	147,684	42,732		289,213	4,542,402
2032	95,070		2,479	156,677	41,413		293,636	4,838,041
2033	93,519		2,372	153,237	42,742		293,690	5,131,931
2034	91,993		2,432	154,384	46,734		295,543	5,427,474
2035	90,492		2,323	154,051	48,156		295,022	5,722,497
2036	89,016		2,389	152,382	52,598		296,385	6,018,882
2037	87,564		2,287	153,209	54,401		297,461	6,316,542
2038	86,133		2,438	157,749	61,399		307,742	6,624,084
2039	84,730		2,311	157,056	62,860		306,956	6,931,041
2040	83,348		2,399	156,083	69,001		310,833	7,241,874
2041	81,983		2,256	155,558	70,382		310,385	7,552,238
2042	80,650		2,344	154,656	77,541		315,190	7,867,449
2043	79,354		2,199	154,406	79,263		315,202	8,182,651

Notes:

1. In all scenarios the GREC FPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Piled O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Operating Costs	Variable O&M Costs	Fuel Costs	Transmission Costs (TC)	Other Costs	Total Costs	Commitment Total Costs
2014	130,821		2,865	79,951	34,474		248,111	248,111
2015	126,329		2,881	81,087	36,945		247,242	495,353
2016	117,338		2,817	79,474	39,170		238,800	734,153
2017	121,875		2,871	80,767	41,957		247,270	981,423
2018	119,690		2,824	80,166	44,477		247,157	1,228,580
2019	117,797		2,522	81,134	47,592		248,985	1,477,565
2020	115,816		2,488	80,983	50,364		249,634	1,727,219
2021	113,927		2,488	80,987	53,746		251,148	1,978,367
2022	112,068		2,460	80,613	56,762		251,906	2,230,273
2023	110,240		2,491	82,120	60,690		255,542	2,485,815
2024	108,441		2,526	86,519	65,053		262,540	2,748,354
2025	106,672		2,523	87,221	69,574		265,991	3,014,345
2026	104,932		2,530	85,101	72,280		264,844	3,279,189
2027	103,220		2,504	83,717	77,333		268,773	3,547,962
2028	101,536		2,492	86,418	81,587		272,032	3,819,994
2029	99,879		2,467	88,270	87,110		277,726	4,097,720
2030	98,250		2,463	88,593	91,754		281,059	4,378,779
2031	96,647		2,712	160,369	53,170		312,898	4,691,677
2032	95,070		3,053	168,695	48,992		315,810	5,007,487
2033	93,519		2,842	168,644	49,612		314,617	5,322,104
2034	91,993		2,955	168,406	54,666		318,020	5,640,124
2035	90,492		2,754	169,673	55,430		318,330	5,958,473
2036	89,016		2,869	168,660	61,183		321,738	6,280,202
2037	87,564		2,673	171,074	61,975		323,286	6,603,488
2038	86,135		2,803	176,810	68,641		334,389	6,937,877
2039	84,730		2,605	177,422	69,477		334,235	7,272,112
2040	83,348		2,718	177,223	76,816		340,107	7,612,219
2041	81,988		2,524	178,041	77,601		340,133	7,952,372
2042	80,650		2,630	177,789	83,633		346,702	8,299,074
2043	79,334		2,444	178,870	86,661		347,309	8,646,384

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

2014	130,821		1,962	94,936			227,719	227,719
2015	126,329		2,026	94,615			222,970	450,689
2016	117,338		2,029	92,505			211,872	662,561
2017	121,675		2,052	92,147			215,875	878,436
2018	119,690		2,018	90,838			212,547	1,090,983
2019	117,737		1,871	91,857			211,465	1,302,448
2020	115,816		1,844	90,175			207,836	1,510,283
2021	113,927		1,848	89,618			205,393	1,715,676
2022	112,068		1,825	88,240			202,134	1,917,810
2023	110,240		1,321	100,793			212,354	2,130,165
2024	108,441		1,333	100,190			209,963	2,340,149
2025	106,672		1,379	98,946			206,997	2,547,147
2026	104,932		1,400	96,366			202,898	2,750,043
2027	103,220		1,411	95,679			200,310	2,950,336
2028	101,536		1,382	94,716			197,634	3,147,989
2029	99,879		1,397	94,241			195,517	3,343,507
2030	98,250		1,371	92,622			192,243	3,535,749
2031	96,647		2,150	149,657			248,454	3,784,204
2032	95,070		2,479	158,339			236,088	4,040,292
2033	93,519		2,369	157,148			233,037	4,293,329
2034	91,993		2,432	156,180			230,605	4,543,933
2035	90,492		2,323	155,778			248,394	4,792,527
2036	89,016		2,389	154,062			245,498	5,038,025
2037	87,564		2,287	154,931			244,763	5,282,807
2038	86,135		2,458	159,431			248,025	5,530,832
2039	84,730		2,311	158,737			245,777	5,776,610
2040	83,348		2,399	157,726			243,473	6,020,082
2041	81,988		2,256	157,170			241,414	6,261,497
2042	80,650		2,344	156,235			239,229	6,500,726
2043	79,334		2,199	155,972			237,506	6,738,231

Notes:

1. In all scenarios the ORBC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

2014	130,821		1,963	108,023			240,808	240,808
2013	126,329		2,026	108,964			235,319	476,127
2016	117,338		2,029	104,333			223,700	699,827
2017	121,673		2,052	103,456			227,183	927,010
2018	119,690		2,018	101,668			223,376	1,150,387
2019	117,737		1,871	102,124			221,733	1,372,119
2020	115,816		1,844	99,822			217,483	1,589,602
2021	113,927		1,848	98,763			214,340	1,804,141
2022	112,068		1,825	96,849			210,742	2,014,884
2023	110,240		1,321	100,793			212,354	2,227,238
2024	108,441		1,353	100,190			209,985	2,437,223
2025	106,672		1,379	98,946			206,997	2,644,220
2026	104,932		1,400	96,566			202,898	2,847,119
2027	103,220		1,411	95,679			200,310	3,047,429
2028	101,536		1,382	94,716			197,634	3,245,063
2029	99,879		1,397	94,241			195,517	3,440,580
2030	98,250		1,371	92,822			192,243	3,632,823
2031	96,647		2,150	149,657			248,454	3,881,277
2032	95,070		2,479	158,539			236,088	4,137,365
2033	93,519		2,369	157,148			253,037	4,390,402
2034	91,993		2,432	156,180			250,605	4,641,007
2035	90,492		2,323	155,778			248,594	4,889,601
2036	89,016		2,389	154,092			245,498	5,135,098
2037	87,564		2,287	154,931			244,783	5,379,881
2038	86,135		2,458	159,431			248,025	5,627,906
2039	84,730		2,311	158,737			245,777	5,873,683
2040	83,348		2,399	157,726			243,473	6,117,156
2041	81,988		2,256	157,170			241,414	6,358,570
2042	80,650		2,344	156,233			239,229	6,597,799
2043	79,334		2,199	155,972			237,506	6,833,365

Notes:

1. In all scenarios the GREC FPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		2,815	79,170			212,806	212,806
2015	126,329		2,848	80,873			210,050	422,856
2016	117,338		2,835	79,449			199,623	622,479
2017	121,673		2,794	80,407			204,876	827,354
2018	119,690		2,748	79,252			201,690	1,029,044
2019	117,737		2,499	80,482			200,719	1,229,763
2020	115,816		2,472	80,616			198,904	1,428,667
2021	113,927		2,472	80,639			197,038	1,625,705
2022	112,068		2,440	80,031			194,539	1,820,244
2023	110,240		2,468	81,419			194,127	2,014,371
2024	108,441		2,478	86,439			197,358	2,211,729
2025	106,672		2,475	86,981			196,128	2,407,857
2026	104,932		2,530	85,018			192,480	2,600,337
2027	103,220		2,477	85,637			191,334	2,791,671
2028	101,536		2,482	86,263			190,281	2,981,952
2029	99,879		2,451	88,161			190,491	3,172,442
2030	98,250		2,445	88,459			189,155	3,361,597
2031	96,647		2,696	160,324			239,667	3,621,264
2032	95,070		3,053	168,689			266,812	3,888,076
2033	93,519		2,842	168,626			264,987	4,153,063
2034	91,993		2,955	168,398			263,346	4,416,409
2035	90,492		2,754	169,622			262,868	4,679,278
2036	89,016		2,869	168,616			260,501	4,939,778
2037	87,564		2,673	171,083			261,319	5,201,098
2038	86,135		2,803	176,883			263,741	5,466,839
2039	84,730		2,605	177,444			264,779	5,731,618
2040	83,348		2,718	177,230			263,296	5,994,914
2041	81,988		2,524	178,046			262,358	6,257,471
2042	80,650		2,630	177,789			261,069	6,518,541
2043	79,334		2,444	178,882			260,660	6,779,201

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Costs are AEO 2010 Fuel Price Forecast

2014	130,821		1,962	94,936	-		227,719	227,719
2015	126,329		2,026	94,615	-		222,970	450,689
2016	117,338		2,029	92,905	-		211,872	662,561
2017	121,675		2,064	92,137	35,193		251,068	913,630
2018	119,690		2,003	90,736	37,305		249,734	1,163,364
2019	117,737		1,880	92,020	40,058		251,696	1,415,060
2020	115,816		1,860	90,480	42,344		250,900	1,665,560
2021	113,927		1,872	89,955	45,369		251,122	1,916,682
2022	112,068		1,854	88,879	47,894		250,694	2,167,376
2023	110,240		1,340	101,127	42,259		254,966	2,422,342
2024	108,441		1,357	108,217	45,619		255,635	2,677,977
2025	106,672		1,378	98,978	48,961		255,990	2,933,967
2026	104,932		1,401	96,595	51,630		254,557	3,188,524
2027	103,220		1,411	95,651	55,394		255,676	3,444,200
2028	101,536		1,383	94,745	58,551		256,214	3,700,414
2029	99,879		1,400	94,290	62,762		258,331	3,958,745
2030	98,250		1,372	92,581	66,349		258,552	4,217,297
2031	96,647		2,149	149,578	42,732		291,106	4,508,403
2032	95,070		2,479	158,544	41,413		297,505	4,805,908
2033	93,519		2,372	157,090	42,742		285,724	5,101,632
2034	91,993		2,432	156,167	46,734		297,345	5,398,978
2035	90,492		2,323	155,873	48,136		296,794	5,695,772
2036	89,016		2,389	154,130	52,598		298,134	5,993,905
2037	87,564		2,287	154,924	54,401		299,176	6,293,081
2038	86,135		2,458	159,438	61,399		309,430	6,602,512
2039	84,730		2,311	158,717	62,860		308,617	6,911,129
2040	83,348		2,399	157,722	69,001		312,470	7,223,599
2041	81,988		2,256	157,165	70,582		311,991	7,535,590
2042	80,650		2,344	156,235	77,541		316,770	7,852,360
2043	79,334		2,199	155,961	79,263		316,757	8,169,117

Notes:

1. In all scenarios the GREC PFA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Picked O&M Costs are included in the "Capital Costs" column.

All Costs are AEO 2010 Post Price Forecast

2014	130,821		1,962	108,025	-		240,808	240,808
2015	126,329		2,026	106,964	-		235,319	476,127
2016	117,338		2,029	104,333	-		223,700	699,827
2017	121,675		2,064	103,445	28,725		255,909	955,736
2018	119,690		2,003	95,553	30,479		247,725	1,203,461
2019	117,737		1,880	95,935	32,797		248,350	1,451,811
2020	115,816		1,860	93,397	34,718		245,791	1,697,602
2021	113,927		1,872	92,011	37,291		245,101	1,942,703
2022	112,068		1,854	89,997	39,375		243,294	2,183,996
2023	110,240		1,340	101,127	42,239		254,966	2,440,962
2024	108,441		1,357	100,217	45,619		255,635	2,696,597
2025	106,672		1,378	98,978	48,961		255,990	2,952,587
2026	104,932		1,401	96,595	51,630		254,557	3,207,144
2027	103,220		1,411	95,631	55,394		255,676	3,462,820
2028	101,536		1,383	94,743	58,351		256,214	3,719,033
2029	99,879		1,400	94,290	62,762		258,331	3,977,363
2030	98,250		1,372	92,581	66,349		258,532	4,235,917
2031	96,647		2,149	149,378	42,732		291,106	4,527,023
2032	95,070		2,479	138,544	41,413		297,565	4,824,529
2033	93,519		2,372	157,090	42,742		295,724	5,120,232
2034	91,993		2,432	156,187	46,734		297,345	5,417,598
2035	90,492		2,323	155,823	48,156		296,794	5,714,392
2036	89,016		2,389	154,130	52,598		298,134	6,012,526
2037	87,564		2,287	154,924	54,401		299,376	6,311,702
2038	86,135		2,458	159,438	61,399		309,430	6,621,132
2039	84,730		2,311	158,717	62,860		308,617	6,929,749
2040	83,348		2,399	157,722	69,001		312,470	7,242,219
2041	81,988		2,256	157,165	70,582		311,991	7,554,210
2042	80,650		2,344	156,235	77,541		316,770	7,870,580
2043	79,334		2,199	155,961	79,263		316,757	8,187,737

Notes:

1. In all occurrences the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Operating Costs	Fixed O&M Costs	Total Costs	Present Worth	Present Worth	Present Worth	Present Worth
2014	150,821		2,815	79,170	-		212,806	212,806
2015	126,329		2,848	80,873	-		210,050	422,856
2016	117,338		2,835	79,449	-		199,633	622,479
2017	121,673		2,871	80,767	41,957		247,270	869,748
2018	119,690		2,824	80,166	44,477		247,157	1,116,905
2019	117,737		2,522	81,134	47,592		248,983	1,365,891
2020	115,816		2,488	80,983	50,364		249,634	1,615,545
2021	113,927		2,488	80,987	53,746		251,148	1,866,693
2022	112,068		2,460	80,613	56,762		251,906	2,118,599
2023	110,240		2,491	82,120	60,690		255,542	2,374,140
2024	108,441		2,526	86,519	65,053		262,540	2,636,680
2025	106,672		2,523	87,221	69,574		268,991	2,902,670
2026	104,932		2,530	85,101	72,280		264,844	3,167,514
2027	103,220		2,504	85,717	77,333		268,773	3,436,288
2028	101,536		2,492	86,418	81,587		272,032	3,708,320
2029	99,879		2,467	88,270	87,110		277,726	3,986,040
2030	98,250		2,462	88,593	91,754		281,059	4,267,104
2031	96,647		2,712	160,369	53,170		312,894	4,580,003
2032	95,070		3,053	168,695	48,992		315,810	4,895,812
2033	93,519		2,842	168,644	49,612		314,617	5,210,429
2034	91,993		2,955	168,406	54,666		318,020	5,528,449
2035	90,492		2,754	169,673	55,430		318,350	5,846,799
2036	89,016		2,869	168,660	61,183		321,728	6,168,527
2037	87,564		2,673	171,074	61,973		323,286	6,491,814
2038	86,135		2,803	176,810	68,641		334,389	6,826,203
2039	84,730		2,605	177,422	69,477		334,233	7,160,438
2040	83,348		2,718	177,223	76,816		340,107	7,500,543
2041	81,988		2,224	178,041	77,601		340,153	7,840,698
2042	80,650		2,630	177,782	85,633		346,702	8,187,400
2043	79,334		2,444	178,870	86,661		347,309	8,534,709

Notes:

1. In all scenarios the GREC FPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		1,962	94,936			227,719	227,719
2015	126,329		2,026	94,615			222,970	450,689
2016	117,338		2,029	92,505			211,872	662,561
2017	121,675		2,052	92,147			215,875	878,436
2018	119,690		2,018	90,838			212,547	1,090,983
2019	117,737		1,871	91,857			211,465	1,302,448
2020	115,816		1,844	90,175			207,836	1,510,283
2021	113,927		1,848	89,618			205,393	1,715,676
2022	112,068		1,825	88,240			202,134	1,917,810
2023	110,240		1,321	100,793			212,354	2,130,165
2024	108,441		1,353	100,190			209,985	2,340,149
2025	106,672		1,379	98,946			206,997	2,547,147
2026	104,932		1,400	96,566			202,898	2,750,045
2027	103,220		1,411	93,679			200,310	2,950,356
2028	101,536		1,382	94,716			197,634	3,147,989
2029	99,879		1,397	94,241			195,517	3,343,507
2030	98,250		1,371	92,622			192,243	3,535,749
2031	96,647		2,150	149,657			248,454	3,784,204
2032	95,070		2,479	158,539			256,088	4,040,292
2033	93,519		2,369	157,148			253,037	4,293,329
2034	91,993		2,432	156,180			250,605	4,543,933
2035	90,492		2,323	155,778			248,594	4,792,527
2036	89,018		2,389	154,092			245,498	5,038,023
2037	87,564		2,287	154,931			244,783	5,282,807
2038	86,133		2,458	159,431			248,025	5,530,832
2039	84,730		2,311	158,737			245,777	5,776,610
2040	83,348		2,399	157,726			243,473	6,020,082
2041	81,988		2,256	157,170			241,414	6,261,497
2042	80,650		2,344	156,233			239,229	6,500,726
2043	79,334		2,199	155,972			237,506	6,738,231

Notes:

1. In all scenarios the OREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		1,962	108,025			240,808	240,808
2015	126,329		2,036	106,964			235,319	476,127
2016	117,338		2,029	104,333			223,700	699,827
2017	121,675		2,052	103,456			227,183	927,010
2018	119,690		2,018	101,668			223,376	1,150,387
2019	117,737		1,871	102,124			221,733	1,372,119
2020	115,816		1,844	99,822			217,483	1,589,602
2021	113,927		1,848	98,765			214,540	1,804,141
2022	112,068		1,825	96,849			210,742	2,014,884
2023	110,240		1,321	100,793			212,354	2,227,238
2024	108,441		1,353	100,190			209,985	2,437,223
2025	106,672		1,379	98,946			206,997	2,644,230
2026	104,933		1,400	96,566			202,898	2,847,119
2027	103,220		1,411	95,679			200,310	3,047,429
2028	101,536		1,382	94,716			197,634	3,245,063
2029	99,879		1,397	94,241			195,517	3,440,580
2030	98,250		1,371	92,622			192,243	3,632,823
2031	96,647		2,150	149,657			248,454	3,881,277
2032	95,070		2,479	158,539			256,088	4,137,368
2033	93,519		2,369	157,148			253,037	4,390,402
2034	91,993		2,432	156,180			250,603	4,641,007
2035	90,492		2,323	155,778			248,594	4,889,601
2036	89,016		2,389	154,092			245,498	5,135,098
2037	87,564		2,287	154,981			244,783	5,379,881
2038	86,135		2,458	158,431			248,023	5,627,906
2039	84,730		2,311	158,737			245,777	5,873,683
2040	83,348		2,399	157,726			243,473	6,117,156
2041	81,988		2,256	157,170			241,414	6,358,570
2042	80,650		2,344	156,235			239,229	6,597,799
2043	79,334		2,199	155,972			237,206	6,835,305

Notes:

1. In all scenarios the GMEC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Case No.	Capital Costs	Operating Costs	Revenue	Net Present Value	Internal Rate of Return	Payback Period	Other Metrics
2014	130,821		2,815	79,170			212,806
2015	126,329		2,848	80,873			210,050
2016	117,338		2,835	79,449			199,823
2017	121,675		2,794	80,407			204,876
2018	119,690		2,748	79,252			201,890
2019	117,737		2,499	80,482			200,719
2020	113,816		2,472	80,616			198,904
2021	113,927		2,472	80,639			197,038
2022	112,068		2,440	80,031			194,539
2023	110,240		2,468	81,419			194,127
2024	108,441		2,478	86,439			197,358
2025	106,672		2,475	86,981			196,128
2026	104,932		2,530	85,018			192,480
2027	103,220		2,477	85,637			191,334
2028	101,536		2,482	86,263			190,281
2029	99,879		2,431	88,161			190,491
2030	98,250		2,443	88,459			189,155
2031	96,647		2,696	160,324			259,667
2032	95,070		3,053	168,689			266,812
2033	93,519		2,842	168,426			264,967
2034	91,993		2,955	168,398			263,346
2035	90,492		2,754	169,622			262,868
2036	89,016		2,869	168,616			260,501
2037	87,564		2,673	171,083			261,319
2038	86,135		2,803	176,803			265,741
2039	84,730		2,605	177,444			264,779
2040	83,348		2,718	177,230			263,296
2041	81,988		2,524	178,046			262,554
2042	80,650		2,630	177,789			261,069
2043	79,334		2,444	178,882			260,660

Notes:

1. In all scenarios the GRDC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecasts

Year	Capital Costs	Operating Costs	Revenue	Net Present Value	Internal Rate of Return	Payback Period	Levelized Cost of Energy	Levelized Cost of Storage
2014	130,821		1,962	94,936	-		227,719	227,719
2015	126,329		2,026	94,613	-		222,970	450,689
2016	117,338		2,029	92,503	-		211,872	662,561
2017	121,673		2,052	92,147	-		215,875	878,436
2018	119,690		2,018	90,838	-		212,547	1,090,583
2019	117,737		1,871	91,857	-		211,465	1,302,448
2020	115,816		1,844	90,175	-		207,836	1,510,283
2021	113,927		1,848	89,618	-		205,393	1,713,676
2022	112,068		1,854	88,879	47,894		230,695	1,966,371
2023	110,240		1,840	101,127	42,258		254,966	2,221,337
2024	108,441		1,357	100,217	45,619		255,635	2,476,972
2025	106,672		1,378	98,978	48,961		255,990	2,732,962
2026	104,932		1,401	96,393	51,630		254,557	2,987,519
2027	103,220		1,411	95,651	55,394		255,876	3,243,195
2028	101,536		1,383	94,745	58,331		256,214	3,499,410
2029	99,879		1,400	94,290	62,762		258,331	3,757,740
2030	98,250		1,372	92,581	66,349		258,552	4,016,292
2031	96,647		2,149	149,578	42,732		291,106	4,307,396
2032	95,070		2,479	158,544	41,413		297,505	4,604,903
2033	93,519		2,372	137,060	42,742		295,724	4,900,627
2034	91,993		2,432	136,187	46,734		297,343	5,197,973
2035	90,492		2,323	135,823	48,156		296,794	5,494,767
2036	89,016		2,389	134,130	52,596		298,134	5,792,900
2037	87,564		2,287	134,924	54,401		299,176	6,092,076
2038	86,135		2,458	139,438	61,399		309,430	6,401,507
2039	84,730		2,311	138,717	62,860		308,617	6,710,124
2040	83,348		2,399	137,722	69,001		312,470	7,022,594
2041	81,988		2,256	137,163	70,582		311,991	7,334,585
2042	80,650		2,344	136,233	77,541		316,770	7,651,355
2043	79,334		2,199	135,961	79,263		316,757	7,968,112

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		1,962	108,025	-		240,808	240,808
2015	126,329		2,026	106,964	-		235,319	476,127
2016	117,338		2,029	104,333	-		223,700	699,827
2017	121,673		2,052	103,456	-		227,183	927,010
2018	119,690		2,018	101,668	-		223,376	1,150,387
2019	117,737		1,871	102,124	-		221,733	1,372,119
2020	115,816		1,844	99,822	-		217,483	1,589,602
2021	113,927		1,848	98,765	-		214,540	1,804,141
2022	112,068		1,854	97,488	39,375		250,785	2,054,926
2023	110,240		1,540	101,127	42,259		254,966	2,309,893
2024	108,441		1,357	100,217	45,619		255,635	2,565,527
2025	106,672		1,378	98,978	48,961		255,990	2,821,517
2026	104,932		1,401	96,593	51,630		254,557	3,076,075
2027	103,220		1,411	95,631	55,394		255,676	3,331,930
2028	101,536		1,383	94,745	58,551		256,214	3,587,965
2029	99,879		1,400	94,290	62,762		258,331	3,846,296
2030	98,250		1,372	92,581	66,349		258,552	4,104,847
2031	96,647		2,149	149,378	42,732		291,106	4,395,954
2032	95,070		2,479	158,344	41,413		297,505	4,693,459
2033	93,519		2,372	157,090	42,742		295,724	4,989,182
2034	91,993		2,432	156,187	46,734		297,343	5,286,528
2035	90,492		2,323	155,823	48,156		296,794	5,583,322
2036	89,016		2,389	154,130	52,598		298,134	5,881,456
2037	87,564		2,287	154,924	54,401		299,176	6,180,632
2038	86,133		2,438	159,438	61,399		309,430	6,490,062
2039	84,730		2,311	158,717	62,860		308,617	6,798,680
2040	83,348		2,399	157,722	69,001		312,470	7,111,149
2041	81,988		2,256	157,165	70,582		311,991	7,423,141
2042	80,650		2,344	156,235	77,541		316,770	7,739,911
2043	79,334		2,199	153,961	79,263		316,757	8,056,667

Notes:

1. In all scenarios the GRSC PPA begins January 1, 2014.
2. All figures are present worth with a 4.20% discount rate and 2009 base year.
3. Fixed O&M Costs are included in the "Capital Costs" column.

All Cases use AEO 2010 Fuel Price Forecast

2014	130,821		2,815	79,170	-		212,806	212,806
2015	126,329		2,848	80,873	-		210,050	422,856
2016	117,338		2,835	79,449	-		199,623	622,479
2017	121,673		2,794	80,407	-		204,876	827,354
2018	119,690		2,748	79,353	-		201,690	1,029,044
2019	117,737		2,499	80,482	-		200,719	1,229,763
2020	115,816		2,472	80,616	-		198,904	1,428,667
2021	113,927		2,472	80,639	-		197,038	1,625,705
2022	112,068		2,460	80,619	56,762		251,909	1,877,614
2023	110,240		2,491	82,120	60,690		255,542	2,133,135
2024	108,441		2,526	86,519	65,003		262,540	2,395,695
2025	106,672		2,523	87,221	69,574		265,991	2,661,686
2026	104,932		2,530	85,101	72,280		264,844	2,926,529
2027	103,220		2,504	85,717	77,333		268,773	3,195,303
2028	101,536		2,492	86,418	81,587		272,032	3,467,335
2029	99,879		2,487	88,270	87,110		277,726	3,745,060
2030	98,250		2,462	88,593	91,754		281,059	4,026,120
2031	96,647		2,712	160,369	53,170		312,898	4,339,018
2032	95,070		3,053	168,685	48,993		315,810	4,654,828
2033	93,519		2,843	168,644	49,612		314,617	4,969,444
2034	91,993		2,955	168,406	54,666		318,020	5,287,464
2035	90,492		2,754	169,673	55,430		318,350	5,605,814
2036	89,016		2,869	168,660	61,183		321,728	5,927,542
2037	87,564		2,673	171,074	61,975		323,286	6,250,829
2038	86,135		2,803	176,810	68,641		334,389	6,583,218
2039	84,730		2,605	177,422	69,477		334,233	6,919,433
2040	83,348		2,718	177,223	76,816		340,107	7,259,560
2041	81,988		2,524	178,041	77,601		340,153	7,599,713
2042	80,650		2,630	177,789	85,633		346,702	7,946,415
2043	79,334		2,444	178,870	86,661		347,309	8,293,724

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

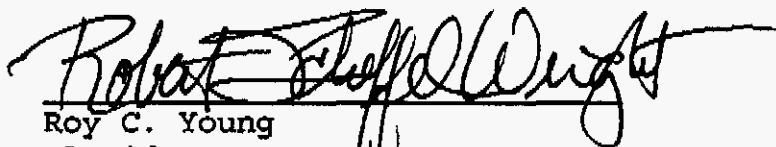
In re: Joint Petition to Determine)
Need For the Gainesville Renewable)
Energy Center in Alachua County) DOCKET NO. 090451-EM
By Gainesville Regional Utilities)
and Gainesville Renewable Energy) FILED: April 8, 2010
Center, LLC.)
_____)

GAINESVILLE REGIONAL UTILITIES AND
GAINESVILLE RENEWABLE ENERGY CENTER, LLC'S
NOTICE OF INTENT TO REQUEST CONFIDENTIAL CLASSIFICATION

Gainesville Regional Utilities ("GRU") and Gainesville Renewable Energy Center, LLC ("GREC LLC"), pursuant to Section 366.093, Florida Statutes (F.S.), and Rule 25-22.006, Florida Administrative Code (F.A.C.), hereby submit their Notice of Intent to Request Confidential Classification of certain information provided in the response to Staff's Interrogatory No. 117 ("Interrogatory No. 117"). The information provided in response to Interrogatory No. 117 contains proprietary confidential business information relating to GREC LLC's competitive interests, the release of which would harm GREC LLC's competitive business interests. Therefore, GREC LLC requests that the Commission afford the information provided to Staff in response to Interrogatory No. 117 confidential classification. An envelope containing both a confidential paper copy and a confidential CD containing the confidential information, highlighted in yellow, are attached hereto as Exhibit A.

Pursuant to Rule 25-22.006(3)(a)(1), F.A.C., GREC LLC will file its Request for Confidential Classification for all confidential information contained therein within 21 days of filing this request.

Respectfully submitted this 8th day of April, 2010.



Roy C. Young
Florida Bar No. 098428
Robert Scheffel Wright
Florida Bar No. 966721
John T. LaVia, III
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Attorneys for GREC and GRU

CERTIFICATE OF SERVICE

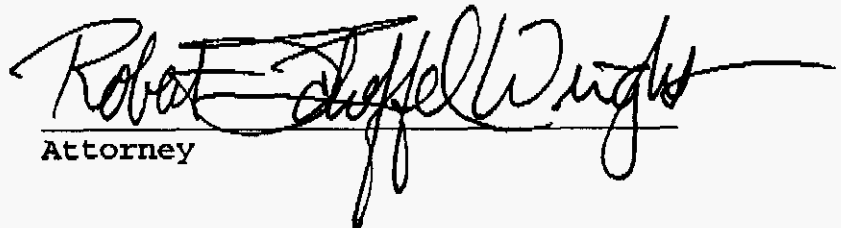
I HEREBY CERTIFY that a true and correct copy of the foregoing has been served by hand delivery (*) or U.S. Mail this 8th day of April, 2010, on the following:

Erik Sayler/Martha Carter Brown*
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

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