

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

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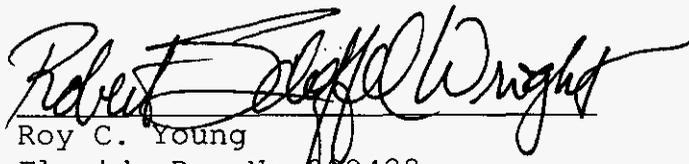
In re: Joint Petition to Determine)
Need For the Gainesville Renewable)
Energy Center in Alachua County)
By Gainesville Regional Utilities)
and Gainesville Renewable Energy)
Center, LLC.)

COMMISSION CLERK-EM
DOCKET NO. 090451-EM
FILED: December 14, 2009

NOTICE OF FILING ERRATA SHEET

Gainesville Renewable Energy Center ("GREC") and Gainesville Regional Utilities ("GRU"), by and through their undersigned counsel, hereby file the attached Errata Sheet for Richard D. Bachmeier to his discovery responses served in this docket that have been incorporated in the stipulated exhibits for the hearing.

Respectfully submitted this 14th day of December, 2009.



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Attorneys for GREC and GRU

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FPSC-COMMISSION CLERK

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 14th day of December, 2009, on the following:

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

Raymond O. Manasco, Jr.
Gainesville Regional Utilities
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Attorney

Errata for Discovery Responses Sponsored by Richard D. Bachmeier		
Interrogatory No.	Table	Correction
54	All	Replace all tables originally presented in response to Interrogatory No. 54 with the revised tables on the following pages ⁽¹⁾
56	All	Replace table originally presented in response to Interrogatory No. 56 with the revised table on the following pages ⁽¹⁾
57	All	Replace all tables originally presented in response to Interrogatory No. 57 with the revised tables on the following pages ⁽¹⁾
60	All	Replace table originally presented in response to Interrogatory No. 60 with the revised table on the following pages ⁽¹⁾

⁽¹⁾ The fuel costs reported in the “Regulated CO2” scenarios were miscalculated in the original responses. Also, the “GREC with Resale” scenarios in the original responses omitted two benefits that will accrue to GRU: (a) Wheeling revenue to be received from selling 50 MW of the GREC facility to a 3rd party, and (b) property tax revenue that will accrue to the City of Gainesville from selling 50 MW of GREC to a 3rd party.

Revised Responses to Interrogatory No. 54

Scenario Combinations	
Scenario A	Scenario B
GREC with Resale	GREC without Resale
GREC with Resale	No New Construction until 2023
GREC without Resale	No New Construction until 2023

Notes:

- 1. In all scenarios the GREC PPA begins January 1, 2014.
- 2. Residential 1,200 kWh bill assumes system average electric rate equal to residential average rate.

Please refer to the following six (6) revised tables.

CREC with Resale vs. CREC without Resale						
Case Base						
Year	Annual Total Revenue Requirements (Scenario A)	Annual Total Revenue Requirements (Scenario B)	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rates	Differential in Residential Customer Bill
	(Millions, Nominal \$)			(GWh @ mean)	(cents/kWh)	(\$/1,200 kWh)
2013	254	254	-	2,110	-	-
2014	277	306	(29)	2,135	(1.37)	(16.44)
2015	284	312	(28)	2,160	(1.32)	(15.83)
2016	282	310	(28)	2,183	(1.30)	(15.56)
2017	300	327	(27)	2,205	(1.23)	(14.70)
2018	308	334	(26)	2,228	(1.16)	(13.92)
2019	320	344	(24)	2,249	(1.06)	(12.68)
2020	328	352	(24)	2,265	(1.07)	(12.81)
2021	339	362	(23)	2,280	(0.99)	(11.92)
2022	348	370	(22)	2,294	(0.96)	(11.53)
2023	379	379	-	2,310	-	-
2024	373	373	-	2,324	-	-
2025	401	401	-	2,341	-	-
2026	411	411	-	2,356	-	-
2027	423	423	-	2,372	-	-
2028	435	435	-	2,387	-	-
2029	448	448	-	2,402	-	-
2030	459	459	-	2,418	-	-
2031	618	618	-	2,433	-	-
2032	670	670	-	2,449	-	-
2033	693	693	-	2,465	-	-
2034	720	720	-	2,481	-	-
2035	749	749	-	2,497	-	-
2036	778	778	-	2,513	-	-
2037	814	814	-	2,529	-	-
2038	869	869	-	2,545	-	-
2039	904	904	-	2,562	-	-
2040	943	943	-	2,578	-	-
2041	981	981	-	2,595	-	-
2042	1,025	1,025	-	2,612	-	-
2043	1,067	1,067	-	2,628	-	-

CREC with Rate vs. No New Construction until 2023						
Case Base						
Year	Annual Total Revenue Requirements [Scenario A]	Annual Total Revenue Requirements [Scenario B]	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rate	Differential in Residential Customer Bill
	(Millions, Nominal \$)			(CWh @ meter)	(cents/kWh)	(\$/1,000 kWh)
2013	254	254	-	2,110	-	-
2014	277	258	19	2,135	0.88	10.59
2015	284	266	17	2,160	0.80	9.56
2016	282	266	17	2,183	0.76	9.10
2017	300	285	15	2,205	0.67	8.08
2018	308	293	15	2,228	0.69	8.26
2019	320	305	15	2,249	0.66	7.95
2020	328	315	13	2,265	0.58	7.00
2021	339	327	12	2,280	0.53	6.36
2022	348	336	11	2,294	0.50	6.00
2023	379	348	31	2,310	1.32	15.88
2024	373	335	38	2,324	1.62	19.48
2025	401	382	20	2,341	0.84	10.10
2026	411	391	19	2,356	0.83	9.92
2027	423	406	17	2,372	0.71	8.56
2028	435	421	14	2,387	0.58	6.94
2029	448	438	10	2,402	0.40	4.80
2030	459	454	5	2,418	0.21	2.51
2031	618	647	(29)	2,433	(1.18)	(14.13)
2032	670	699	(30)	2,449	(1.21)	(14.46)
2033	693	728	(34)	2,465	(1.39)	(16.69)
2034	720	759	(39)	2,481	(1.56)	(18.77)
2035	749	795	(45)	2,497	(1.81)	(21.77)
2036	778	829	(51)	2,513	(2.03)	(24.31)
2037	814	872	(58)	2,529	(2.29)	(27.44)
2038	869	934	(64)	2,545	(2.53)	(30.38)
2039	904	975	(71)	2,562	(2.79)	(33.47)
2040	943	1,023	(79)	2,578	(3.07)	(36.80)
2041	981	1,068	(87)	2,595	(3.35)	(40.14)
2042	1,025	1,120	(95)	2,612	(3.63)	(43.56)
2043	1,067	1,170	(104)	2,628	(3.94)	(47.26)

CREC without Escals vs. No New Construction until 2023						
Case Base						
Year	Annual Total Revenue Requirements [Scenario A]	Annual Total Revenue Requirements [Scenario B]	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rates	Differential in Residential Customer Bill
	(Millions, Rounded 5)			(CWL @ meter)	(cents/kWh)	(\$/1,000 kWh)
2013	254	254	-	2,110	-	-
2014	306	258	48	2,135	2.25	27.03
2015	312	266	46	2,160	2.12	25.39
2016	310	266	45	2,183	2.05	24.66
2017	327	285	42	2,205	1.90	22.78
2018	334	293	41	2,228	1.85	22.18
2019	344	305	39	2,249	1.72	20.63
2020	352	315	37	2,265	1.65	19.81
2021	362	327	35	2,280	1.52	18.28
2022	370	336	34	2,294	1.46	17.53
2023	379	348	31	2,310	1.32	15.88
2024	373	335	38	2,324	1.62	19.48
2025	401	382	20	2,341	0.84	10.10
2026	411	391	19	2,356	0.83	9.92
2027	423	406	17	2,372	0.71	8.56
2028	435	421	14	2,387	0.58	6.94
2029	448	438	10	2,402	0.40	4.80
2030	459	454	5	2,418	0.21	2.51
2031	618	647	(29)	2,433	(1.18)	(14.13)
2032	670	699	(30)	2,449	(1.21)	(14.46)
2033	693	728	(34)	2,465	(1.39)	(16.69)
2034	720	759	(39)	2,481	(1.56)	(18.77)
2035	749	795	(45)	2,497	(1.81)	(21.77)
2036	778	829	(51)	2,513	(2.03)	(24.31)
2037	814	872	(58)	2,529	(2.29)	(27.44)
2038	869	934	(64)	2,545	(2.53)	(30.38)
2039	904	975	(71)	2,562	(2.79)	(33.47)
2040	943	1,023	(79)	2,578	(3.07)	(36.80)
2041	981	1,068	(87)	2,595	(3.35)	(40.14)
2042	1,025	1,120	(95)	2,612	(3.63)	(43.56)
2043	1,067	1,170	(104)	2,628	(3.94)	(47.26)

CREC with Basals vs. CREC without Basals						
Case: Regulated CO2						
Year	Annual Total Revenue Requirements (Scenario A)	Annual Total Revenue Requirements (Scenario B)	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rates	Differential in Residential Customer Bill
	(Millions, Nominal \$)			(GWh @ meter)	(cents/kWh)	(\$/1,000 kWh)
2013	290	290	-	2,110	-	-
2014	312	335	(22)	2,135	(1.05)	(12.61)
2015	323	344	(21)	2,160	(0.96)	(11.50)
2016	326	346	(20)	2,183	(0.89)	(10.73)
2017	349	366	(17)	2,205	(0.79)	(9.52)
2018	362	378	(16)	2,228	(0.71)	(8.57)
2019	381	393	(13)	2,249	(0.56)	(6.68)
2020	395	407	(12)	2,265	(0.51)	(6.18)
2021	414	423	(9)	2,280	(0.38)	(4.51)
2022	431	437	(6)	2,294	(0.27)	(3.29)
2023	454	454	-	2,310	-	-
2024	456	456	-	2,324	-	-
2025	495	495	-	2,341	-	-
2026	514	514	-	2,356	-	-
2027	539	539	-	2,372	-	-
2028	562	562	-	2,387	-	-
2029	590	590	-	2,402	-	-
2030	616	616	-	2,418	-	-
2031	724	724	-	2,433	-	-
2032	776	776	-	2,449	-	-
2033	808	808	-	2,465	-	-
2034	851	851	-	2,481	-	-
2035	890	890	-	2,497	-	-
2036	938	938	-	2,513	-	-
2037	987	987	-	2,529	-	-
2038	1,072	1,072	-	2,545	-	-
2039	1,120	1,120	-	2,562	-	-
2040	1,190	1,190	-	2,578	-	-
2041	1,244	1,244	-	2,595	-	-
2042	1,327	1,327	-	2,612	-	-
2043	1,388	1,388	-	2,628	-	-

CREC with Baseline vs. No New Construction until 2023						
Case: Regulated CO2						
Year	Annual Total Revenue Requirements [Scenario A]	Annual Total Revenue Requirements [Scenario B]	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rates	Differential in Residential Customer Bill
	(Millions, Nominal \$)			(CWh @ meter)	(cents/kWh)	(\$/1,000 kWh)
2013	290	290	-	2,110	-	-
2014	312	302	11	2,135	0.50	5.97
2015	323	314	9	2,160	0.42	5.03
2016	326	318	8	2,183	0.35	4.20
2017	349	344	5	2,205	0.23	2.81
2018	362	358	3	2,228	0.15	1.82
2019	381	378	3	2,249	0.14	1.68
2020	395	395	-	2,265	0.02	0.20
2021	414	415	(1)	2,280	(0.06)	(0.71)
2022	431	434	(4)	2,294	(0.15)	(1.85)
2023	454	458	(3)	2,310	(0.15)	(1.79)
2024	456	456	1	2,324	0.02	0.29
2025	495	516	(21)	2,341	(0.89)	(10.72)
2026	514	537	(23)	2,356	(0.96)	(11.52)
2027	539	568	(30)	2,372	(1.26)	(15.11)
2028	562	600	(37)	2,387	(1.56)	(18.74)
2029	590	637	(47)	2,402	(1.95)	(23.37)
2030	616	672	(56)	2,418	(2.33)	(27.93)
2031	724	779	(55)	2,433	(2.26)	(27.08)
2032	776	825	(49)	2,449	(2.00)	(24.03)
2033	808	861	(53)	2,465	(2.15)	(25.77)
2034	851	912	(61)	2,481	(2.47)	(29.60)
2035	890	956	(66)	2,497	(2.66)	(31.96)
2036	938	1,015	(77)	2,513	(3.06)	(36.76)
2037	987	1,069	(82)	2,529	(3.24)	(38.82)
2038	1,072	1,160	(88)	2,545	(3.47)	(41.63)
2039	1,120	1,214	(94)	2,562	(3.68)	(44.12)
2040	1,190	1,298	(107)	2,578	(4.15)	(49.82)
2041	1,244	1,357	(113)	2,595	(4.35)	(52.25)
2042	1,327	1,453	(126)	2,612	(4.83)	(58.02)
2043	1,388	1,521	(133)	2,628	(5.08)	(60.94)

GREC without Baseline vs. No New Construction until 2023						
Case: Regulated CO2						
Year	Annual Total Revenue Requirements [Scenario A]	Annual Total Revenue Requirements [Scenario B]	Differential in Annual Total Revenue Requirements	Projected Total Sales After DSM	Differential in System Average Electric Rates	Differential in Residential Customer Bill
	(Millions, Nominal \$)			(CWh @ 2013)	(cents/kWh)	(\$/1,000 kWh)
2013	290	290	-	2,110	-	-
2014	335	302	33	2,135	1.55	18.58
2015	344	314	30	2,160	1.38	16.53
2016	346	318	27	2,183	1.24	14.93
2017	366	344	23	2,205	1.03	12.33
2018	378	358	19	2,228	0.87	10.39
2019	393	378	16	2,249	0.70	8.36
2020	407	395	12	2,265	0.53	6.37
2021	423	415	7	2,280	0.32	3.81
2022	437	434	3	2,294	0.12	1.45
2023	454	458	(3)	2,310	(0.15)	(1.79)
2024	456	456	1	2,324	0.02	0.29
2025	495	516	(21)	2,341	(0.89)	(10.72)
2026	514	537	(23)	2,356	(0.96)	(11.52)
2027	539	568	(30)	2,372	(1.26)	(15.11)
2028	562	600	(37)	2,387	(1.56)	(18.74)
2029	590	637	(47)	2,402	(1.95)	(23.37)
2030	616	672	(56)	2,418	(2.33)	(27.93)
2031	724	779	(55)	2,433	(2.26)	(27.08)
2032	776	825	(49)	2,449	(2.00)	(24.03)
2033	808	861	(53)	2,465	(2.15)	(25.77)
2034	851	912	(61)	2,481	(2.47)	(29.60)
2035	890	956	(66)	2,497	(2.66)	(31.96)
2036	938	1,015	(77)	2,513	(3.06)	(36.76)
2037	987	1,069	(82)	2,529	(3.24)	(38.82)
2038	1,072	1,160	(88)	2,545	(3.47)	(41.63)
2039	1,120	1,214	(94)	2,562	(3.68)	(44.12)
2040	1,190	1,298	(107)	2,578	(4.15)	(49.82)
2041	1,244	1,357	(113)	2,595	(4.35)	(52.25)
2042	1,327	1,453	(126)	2,612	(4.83)	(58.02)
2043	1,388	1,521	(133)	2,628	(5.08)	(60.94)

Revised Responses to Interrogatory No. 56

Cumulative Present Worth Cost Analysis by Scenario and Case (\$000, 2013\$)				
Case	Scenario			
	GREC with Results	GREC without Results	No New Construction till 2023	Least Cost Fossil Fuel Alternative
Base Case	8,148,635	8,340,137	8,222,807	NA
High Fuel	NA	NA	NA	NA
Low Fuel	NA	NA	NA	NA
High Load	NA	NA	NA	NA
Low Load	NA	NA	NA	NA
Regulated CO₂	9,941,798	10,056,497	10,423,983	NA
High Regulated CO₂	NA	NA	NA	NA
High Fuel & Regulated CO₂	NA	NA	NA	NA
High Fuel, High Load, & Regulated CO₂	NA	NA	NA	NA
Low Fuel, Low Load, & Regulated CO₂	NA	NA	NA	NA
Low Fuel & Low Load	NA	NA	NA	NA
Notes:				
1. In all scenarios the GREC PPA begins January 1, 2014.				
2. Production cost results not available for all scenarios denoted "NA".				
3. Present worth calculations use a 4.20% discount rate and 2013 base year.				

Revised Responses to Interrogatory No. 57

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.

Please refer to the following six (6) revised tables.

Scenario: CRBC with Resale							
Cost Base							
All Costs are in Present Worth (2007 \$, \$000)							
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (CO ₂)	Other Costs	Cumulative Total Costs
2014	130,821		2,210	92,583			225,615
2015	126,329		2,289	92,921			447,154
2016	117,338		2,250	91,958			658,700
2017	121,675		2,290	91,782			874,448
2018	119,690		2,235	90,668			1,087,041
2019	117,737		2,119	92,283			1,299,181
2020	115,816		2,089	90,735			1,507,821
2021	113,927		2,092	90,955			1,714,795
2022	112,068		2,065	89,552			1,918,481
2023	110,240		1,495	101,328			2,131,543
2024	108,441		1,541	91,093			2,332,619
2025	106,672		1,560	99,505			2,540,357
2026	104,932		1,584	97,474			2,744,346
2027	103,220		1,596	96,844			2,946,006
2028	101,536		1,564	95,912			3,145,018
2029	99,879		1,580	95,228			3,341,705
2030	98,250		1,551	93,750			3,535,256
2031	96,647		2,433	150,982			3,785,318
2032	95,070		2,805	162,088			4,045,281
2033	93,519		1,482	163,333			4,303,615
2034	91,993		1,521	163,971			4,561,100
2035	90,492		1,453	165,170			4,818,216
2036	89,016		1,494	165,831			5,074,557
2037	87,564		1,431	168,392			5,331,943
2038	86,135		1,538	175,962			5,595,578
2039	84,730		1,445	176,821			5,858,575
2040	83,348		1,501	178,679			6,122,102
2041	81,988		1,411	179,527			6,385,028
2042	80,650		1,466	181,668			6,648,812
2043	79,334		1,375	182,641			6,912,163

Scenario: CRUC without Resale							
Costs Break							
All Costs are in Present Worth (2007 \$, 000)							
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (CO ₂)	Other Costs	Cumulative Total Costs
2014	130,821		1,503	117,095			249,419
2015	126,329		1,560	115,909			243,798
2016	117,338		1,531	113,898			232,768
2017	121,675		1,583	111,934			235,192
2018	119,690		1,567	109,192			230,449
2019	117,737		1,499	108,653			227,889
2020	115,816		1,485	106,716			224,018
2021	113,927		1,508	105,361			220,796
2022	112,068		1,483	103,044			216,595
2023	110,240		1,495	101,328			213,063
2024	108,441		1,541	91,093			201,075
2025	106,672		1,560	99,505			207,738
2026	104,932		1,584	97,474			203,990
2027	103,220		1,596	96,844			201,660
2028	101,536		1,564	95,912			199,012
2029	99,879		1,580	95,228			196,687
2030	98,250		1,551	93,750			193,551
2031	96,647		2,433	150,982			250,062
2032	95,070		2,805	162,088			259,963
2033	93,519		1,482	163,333			258,334
2034	91,993		1,521	163,971			257,486
2035	90,492		1,453	165,170			257,115
2036	89,016		1,494	165,831			256,341
2037	87,564		1,431	168,392			257,386
2038	86,135		1,538	175,962			263,635
2039	84,730		1,445	176,821			262,997
2040	83,348		1,501	178,679			263,528
2041	81,988		1,411	179,527			262,926
2042	80,650		1,466	181,668			263,784
2043	79,334		1,375	182,641			263,351

Scenario: No New Construction until 2023								
Case: Base								
All Costs are in Present Worth (2000 \$, 2000)								
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (CO ₂)	Other Costs	Total Costs	Cumulative Total Costs
2014	130,821		3,156	76,300			210,277	210,277
2015	126,329		3,235	78,533			208,097	418,374
2016	117,338		3,146	78,648			199,132	617,506
2017	121,675		3,183	80,206			205,064	822,571
2018	119,690		3,088	79,227			202,005	1,024,575
2019	117,737		2,843	81,691			202,271	1,226,846
2020	115,816		2,793	81,622			200,232	1,427,078
2021	113,927		2,796	82,870			199,593	1,626,671
2022	112,068		2,757	82,136			196,961	1,823,632
2023	110,240		2,795	82,848			195,883	2,019,515
2024	108,441		2,795	69,482			180,718	2,200,234
2025	106,672		2,815	88,052			197,539	2,397,773
2026	104,932		2,862	86,521			194,315	2,592,088
2027	103,220		2,804	87,565			193,589	2,785,677
2028	101,536		2,808	88,351			192,696	2,978,373
2029	99,879		2,773	89,817			192,469	3,170,842
2030	98,250		2,766	90,403			191,420	3,362,262
2031	96,647		3,050	161,951			261,649	3,623,910
2032	95,070		3,454	172,897			271,421	3,895,331
2033	93,519		1,778	175,806			271,102	4,166,433
2034	91,993		1,848	177,521			271,362	4,437,796
2035	90,492		1,723	180,442			272,657	4,710,453
2036	89,016		1,795	182,292			273,103	4,983,556
2037	87,564		1,672	186,428			275,664	5,259,220
2038	86,135		1,753	195,287			283,176	5,542,396
2039	84,730		1,630	197,436			283,796	5,826,192
2040	83,348		1,700	200,564			285,612	6,111,804
2041	81,988		1,579	202,629			286,195	6,397,999
2042	80,650		1,645	205,880			288,175	6,686,174
2043	79,334		1,529	208,043			288,906	6,975,080

Scenario: CREC with Resale								
Cover Regulated CO2								
All Costs are in Present Worth (2009 \$, 2008)								
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (CO ₂)	Other Costs	Total Costs	Cumulative Total Costs
2014	130,821		2,222	104,012	17,308		254,363	254,363
2015	126,329		2,319	105,143	18,717		252,508	506,871
2016	117,338		2,268	104,961	19,879		244,446	751,317
2017	121,675		2,320	105,615	21,464		251,074	1,002,391
2018	119,690		2,264	105,105	22,803		249,862	1,252,253
2019	117,737		2,126	107,843	24,711		252,417	1,504,670
2020	115,816		2,106	107,182	26,078		251,182	1,755,852
2021	113,927		2,116	108,591	28,024		252,658	2,008,509
2022	112,068		2,097	108,470	29,633		252,269	2,260,778
2023	110,240		1,514	118,107	25,563		255,424	2,516,202
2024	108,441		1,535	108,327	27,933		246,237	2,762,439
2025	106,672		1,560	118,207	30,066		256,505	3,018,945
2026	104,932		1,585	117,202	31,675		255,393	3,274,337
2027	103,220		1,596	117,924	34,055		256,795	3,531,132
2028	101,536		1,564	118,166	36,054		257,320	3,788,453
2029	99,879		1,579	118,938	38,704		259,101	4,047,554
2030	98,250		1,552	118,893	40,904		259,600	4,307,153
2031	96,647		2,432	155,942	37,716		292,737	4,599,890
2032	95,070		2,805	162,093	41,413		301,380	4,901,270
2033	93,519		1,484	163,270	42,742		301,015	5,202,285
2034	91,993		1,522	163,870	46,710		304,096	5,506,381
2035	90,492		1,453	165,164	48,156		305,266	5,811,647
2036	89,016		1,494	165,819	52,598		308,928	6,120,574
2037	87,564		1,431	168,431	54,401		311,827	6,432,401
2038	86,135		1,538	175,968	61,399		325,040	6,757,441
2039	84,730		1,445	176,802	62,860		325,837	7,083,278
2040	83,348		1,501	178,675	69,001		332,525	7,415,803
2041	81,988		1,411	179,522	70,582		333,503	7,749,306
2042	80,650		1,466	181,668	77,541		341,325	8,090,631
2043	79,334		1,375	182,629	79,263		342,602	8,433,232

Records: CRDC without Exports								
Costs Regulated CO2								
All Costs are in Present Worth (2009 \$, 000)								
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (CO ₂)	Other Costs	Total Costs	Cumulative Total Costs
2014	130,821		1,497	126,465	13,849		272,631	272,631
2015	126,329		1,561	125,817	14,974		268,682	541,313
2016	117,338		1,537	124,283	15,923		259,081	800,394
2017	121,675		1,584	123,221	17,184		263,665	1,064,059
2018	119,690		1,609	121,309	18,243		260,851	1,324,910
2019	117,737		1,512	121,718	19,748		260,716	1,585,626
2020	115,816		1,491	120,377	20,912		258,597	1,844,222
2021	113,927		1,509	119,982	22,473		257,892	2,102,114
2022	112,068		1,491	118,649	23,750		255,958	2,358,073
2023	110,240		1,514	118,107	25,563		255,424	2,613,497
2024	108,441		1,535	108,327	27,933		246,237	2,859,734
2025	106,672		1,560	118,207	30,066		256,505	3,116,239
2026	104,932		1,585	117,202	31,675		255,393	3,371,632
2027	103,220		1,596	117,924	34,055		256,795	3,628,427
2028	101,536		1,564	118,166	36,054		257,300	3,885,747
2029	99,879		1,579	118,938	38,704		259,101	4,144,848
2030	98,250		1,552	118,893	40,904		259,600	4,404,448
2031	96,647		2,432	155,942	37,716		292,737	4,697,185
2032	95,070		2,805	162,093	41,413		301,380	4,998,564
2033	93,519		1,484	163,270	42,742		301,015	5,299,580
2034	91,993		1,522	163,870	46,710		304,096	5,603,675
2035	90,492		1,453	165,164	48,156		305,266	5,908,941
2036	89,016		1,494	165,819	52,598		308,928	6,217,869
2037	87,564		1,431	168,431	54,401		311,827	6,529,695
2038	86,135		1,538	175,968	61,399		325,040	6,854,736
2039	84,730		1,445	176,802	62,860		325,837	7,180,572
2040	83,348		1,501	178,675	69,001		332,525	7,513,097
2041	81,988		1,411	179,522	70,582		333,503	7,846,600
2042	80,650		1,466	181,668	77,541		341,325	8,187,925
2043	79,334		1,375	182,629	79,263		342,602	8,530,527

Scenario: No New Construction until 2023								
Costs Regulated CO2								
All Costs are in Present Worth (2007 \$, 000)								
Year	Capital Costs	Fixed O&M Costs	Variable O&M Costs	Fuel Costs	Environmental Costs (00.)	Other Costs	Total Costs	Cumulative Total Costs
2014	130,821		3,316	90,053	21,530		245,720	245,720
2015	126,329		3,275	92,652	23,181		245,437	491,157
2016	117,338		3,197	93,607	24,570		238,713	729,870
2017	121,675		3,217	95,977	26,489		247,358	977,228
2018	119,690		3,169	96,540	28,128		247,527	1,224,755
2019	117,737		2,856	99,536	30,204		250,333	1,475,088
2020	115,816		2,810	100,347	31,974		250,947	1,726,035
2021	113,927		2,806	102,577	34,167		253,477	1,979,511
2022	112,068		2,780	103,348	36,142		254,337	2,233,849
2023	110,240		2,821	105,370	38,929		257,360	2,491,209
2024	108,441		2,868	92,077	42,542		245,929	2,737,138
2025	106,672		2,855	112,105	45,695		267,327	3,004,465
2026	104,932		2,862	111,637	47,195		266,626	3,271,091
2027	103,220		2,833	114,445	50,542		271,040	3,542,131
2028	101,536		2,819	116,637	53,390		274,381	3,816,512
2029	99,879		2,791	119,897	57,085		279,651	4,096,163
2030	98,250		2,786	122,032	60,254		283,321	4,379,485
2031	96,647		3,069	168,705	46,531		314,952	4,694,437
2032	95,070		3,454	172,902	48,992		320,419	5,014,856
2033	93,519		1,778	175,823	49,612		320,732	5,335,587
2034	91,993		1,848	177,466	54,666		325,974	5,661,561
2035	90,492		1,723	180,436	55,430		328,081	5,989,642
2036	89,016		1,795	182,279	61,183		334,273	6,323,915
2037	87,564		1,672	186,473	61,975		337,684	6,661,599
2038	86,135		1,753	195,294	68,641		351,824	7,013,423
2039	84,730		1,630	197,414	69,477		353,251	7,366,674
2040	83,348		1,700	200,560	76,816		362,423	7,729,098
2041	81,988		1,579	202,623	77,601		363,790	8,092,888
2042	80,650		1,645	205,880	85,633		373,808	8,466,696
2043	79,334		1,529	208,031	86,661		375,555	8,842,251

Revised Responses to Interrogatory No. 60

Monthly Residential Bill (\$/1200 kWh)										
Base Case										
Scenario	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
GREC w/out Resale	135.25	139.10	141.96	144.68	172.24	173.36	170.65	177.85	179.71	183.51
GREC w/Resale	135.25	139.10	141.96	144.68	155.80	157.53	155.09	163.15	165.79	170.83
GREC Delayed w/Resale	135.25	139.10	141.96	144.68	157.59	159.31	156.85	164.88	167.50	172.53
No New Construction	135.25	139.10	141.96	144.68	145.21	147.97	145.99	155.07	157.53	162.88

Regulated CO ₂ Case										
Scenario	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
GREC w/out Resale	135.25	139.10	160.58	165.10	188.27	191.05	189.94	199.38	203.42	209.94
GREC w/Resale	135.25	139.10	160.58	165.10	175.65	179.55	179.21	189.86	194.85	203.26
GREC Delayed w/Resale	135.25	139.10	160.58	165.10	177.45	181.33	180.97	191.60	196.57	204.96
No New Construction	135.25	139.10	160.58	165.10	169.68	174.53	175.01	187.05	193.03	201.58

Notes:

1. In all scenarios the GREC PPA begins January 1, 2014.
2. Residential 1,200 kWh bill assumes system average electric rate equal to residential average rate.
3. All \$ are nominal.