

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.31	7.39	9.15	9.39	11.41	23.10
TRC Test	5.66	4.47	5.55	5.69	6.92	14.04
RIM Test	1.17	0.93	1.15	1.18	1.43	2.87
RIM (Net Fuel)	1.60	1.28	1.58	1.62	1.96	3.94
Societal Test	5.66	4.47	5.55	5.69	6.92	14.04
Participant Test	4.08	4.05	4.08	4.08	4.08	4.12

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$634.38	100.00%
Total Cost / kWh Savings	\$0.0067	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$188.70	29.74%
Allocated Costs / kWh Savings	\$0.0047	70.26%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$351,482.57	\$3,271,443.63	\$2,919,961.06	9.31	Utility (PAC) Test
\$856,415.64	\$4,849,626.71	\$3,993,211.07	5.66	TRC Test
\$2,797,127.64	\$3,271,443.63	\$474,315.99	1.17	RIM Test
\$2,041,993.07	\$3,271,443.63	\$1,229,450.56		RIM (Net Fuel)
\$856,415.64	\$4,849,626.71	\$3,993,211.07	5.66	Societal Test
\$752,906.00	\$3,071,738.93	\$2,318,832.93	4.08	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=ALL - Tech=ALL.xls|Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$1,847,200.78	\$1,447,813.65	\$1,907,310.37	\$1,968,378.18	\$2,494,471.04	\$5,538,886.45
Avoided Electric Production Adders	\$0.00	\$506,734.78	\$667,558.63	\$688,932.36	\$873,064.86	\$1,938,610.26
Avoided Electric Capacity	\$782,074.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31
Avoided Ancillary	\$7,040.23	\$6,985.72	\$7,040.23	\$7,040.23	\$7,040.23	\$7,119.77
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,271,443.63	\$2,596,662.46	\$3,217,037.54	\$3,299,479.09	\$4,009,704.44	\$8,119,744.79
Administration Costs	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99
Implementation / Participation Costs	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93
Total	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,744,207.00	\$2,150,056.59	\$2,831,810.13	\$2,922,307.28	\$3,703,295.27	\$8,220,750.14
Avoided Electric Production Adders	\$0.00	\$752,519.81	\$991,133.55	\$1,022,807.55	\$1,296,153.35	\$2,877,262.55
Avoided Electric Capacity	\$1,177,615.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20
Avoided Ancillary	\$9,725.39	\$9,650.16	\$9,725.39	\$9,725.39	\$9,725.39	\$9,834.82
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,849,626.71	\$3,830,305.76	\$4,750,748.27	\$4,872,919.42	\$5,927,253.21	\$12,025,926.71
Administration Costs	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99
Implementation / Participation Costs	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93
Total	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,847,200.78	\$1,447,813.65	\$1,907,310.37	\$1,968,378.18	\$2,494,471.04	\$5,538,886.45
Avoided Electric Production Adders	\$0.00	\$506,734.78	\$667,558.63	\$688,932.36	\$873,064.86	\$1,938,610.26
Avoided Electric Capacity	\$782,074.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31	\$635,128.31
Avoided Ancillary	\$7,040.23	\$6,985.72	\$7,040.23	\$7,040.23	\$7,040.23	\$7,119.77
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,271,443.63	\$2,596,662.46	\$3,217,037.54	\$3,299,479.09	\$4,009,704.44	\$8,119,744.79
Administration Costs	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99
Implementation / Participation Costs	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93
Total	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57	\$351,482.57
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$2,445,645.07	\$2,427,604.67	\$2,445,645.07	\$2,445,645.07	\$2,445,645.07	\$2,472,995.92
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,445,645.07	\$2,427,604.67	\$2,445,645.07	\$2,445,645.07	\$2,445,645.07	\$2,472,995.92
Net Fuel Lost Revenue (Electric)	\$1,690,510.50	\$1,678,283.20	\$1,690,510.50	\$1,690,510.50	\$1,690,510.50	\$1,709,330.44
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,690,510.50	\$1,678,283.20	\$1,690,510.50	\$1,690,510.50	\$1,690,510.50	\$1,709,330.44
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
498	3,626,634	544,778	9,279	Generator
	3,349,559	503,157	8,570	Meter

Loss Factor: 7.640%

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$38,356.99	\$65,152.65	\$0.00	\$247,972.93	\$351,482.57	

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Cratree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,744,207.00	\$2,150,056.59	\$2,831,810.13	\$2,922,307.28	\$3,703,295.27	\$8,220,750.14
Avoided Electric Production Adders	\$0.00	\$752,519.81	\$991,133.55	\$1,022,807.55	\$1,296,153.35	\$2,877,262.55
Avoided Electric Capacity	\$1,177,615.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20	\$918,079.20
Avoided Ancillary	\$9,725.39	\$9,650.16	\$9,725.39	\$9,725.39	\$9,725.39	\$9,834.82
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,849,626.71	\$3,830,305.76	\$4,750,748.27	\$4,872,919.42	\$5,927,253.21	\$12,025,926.71
Administration Costs	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99	\$38,356.99
Implementation / Participation Costs	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65	\$65,152.65
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64	\$103,509.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93	\$247,972.93
Participant Costs (gross)	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00	\$752,906.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,823,766.00	\$2,801,776.79	\$2,823,766.00	\$2,823,766.00	\$2,823,766.00	\$2,856,938.61
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,823,766.00	\$2,801,776.79	\$2,823,766.00	\$2,823,766.00	\$2,823,766.00	\$2,856,938.61

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	498	0	498	0	498	498	\$752,906.00	\$0.00	\$752,906.00
2	0	0	180	0	180	180	\$0.00	\$0.00	\$0.00
3	0	0	180	0	180	180	\$0.00	\$0.00	\$0.00
4	0	0	180	0	180	180	\$0.00	\$0.00	\$0.00
5	0	0	180	0	180	180	\$0.00	\$0.00	\$0.00
6	0	0	178	0	178	178	\$0.00	\$0.00	\$0.00
7	0	0	178	0	178	178	\$0.00	\$0.00	\$0.00
8	0	0	178	0	178	178	\$0.00	\$0.00	\$0.00
9	0	0	178	0	178	178	\$0.00	\$0.00	\$0.00
10	0	0	177	0	177	177	\$0.00	\$0.00	\$0.00
11	0	0	177	0	177	177	\$0.00	\$0.00	\$0.00
12	0	0	177	0	177	177	\$0.00	\$0.00	\$0.00
13	0	0	136	0	136	136	\$0.00	\$0.00	\$0.00
14	0	0	136	0	136	136	\$0.00	\$0.00	\$0.00
15	0	0	136	0	136	136	\$0.00	\$0.00	\$0.00
16	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
17	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
18	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
19	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
20	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	498	0	2,879	0	2,879	2,879	\$752,906	\$0	\$752,906

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)		
1	1.834	1.834	1.094	1.094	0.019	0.019	7,282.40	7,282.40	914	914	545	545	9	9	3,626.634	3,626.634	913.51	913.51	544.78	544.78	9.28	9.28	3,626.634.33	3,626.634.33
2	3.173	3.173	3.027	3.027	0.052	0.052	20,147.97	20,147.97	571	571	545	545	9	9	3,626.634	3,626.634	0	0	0	0	0	0	0	0
3	3.173	3.173	3.027	3.027	0.052	0.052	20,147.97	20,147.97	571	571	545	545	9	9	3,626.634	3,626.634	0	0	0	0	0	0	0	0
4	3.173	3.173	3.027	3.027	0.052	0.052	20,147.97	20,147.97	571	571	545	545	9	9	3,626.634	3,626.634	0	0	0	0	0	0	0	0
5	3.173	3.173	3.027	3.027	0.052	0.052	20,147.97	20,147.97	571	571	545	545	9	9	3,626.634	3,626.634	0	0	0	0	0	0	0	0
6	3.151	3.151	3.005	3.005	0.052	0.052	20,213.74	20,213.74	561	561	535	535	9	9	3,598.045	3,598.045	0	0	0	0	0	0	0	0
7	3.151	3.151	3.005	3.005	0.052	0.052	20,213.74	20,213.74	561	561	535	535	9	9	3,598.045	3,598.045	0	0	0	0	0	0	0	0
8	3.151	3.151	3.005	3.005	0.052	0.052	20,213.74	20,213.74	561	561	535	535	9	9	3,598.045	3,598.045	0	0	0	0	0	0	0	0
9	3.151	3.151	3.005	3.005	0.052	0.052	20,213.74	20,213.74	561	561	535	535	9	9	3,598.045	3,598.045	0	0	0	0	0	0	0	0
10	3.156	3.156	3.012	3.012	0.052	0.052	20,281.61	20,281.61	559	559	533	533	9	9	3,589.844	3,589.844	0	0	0	0	0	0	0	0
11	3.156	3.156	3.012	3.012	0.052	0.052	20,281.61	20,281.61	559	559	533	533	9	9	3,589.844	3,589.844	0	0	0	0	0	0	0	0
12	3.156	3.156	3.012	3.012	0.052	0.052	20,281.61	20,281.61	559	559	533	533	9	9	3,589.844	3,589.844	0	0	0	0	0	0	0	0
13	3.829	3.829	3.705	3.705	0.068	0.068	22,321.70	22,321.70	521	521	504	504	9	9	3,035.751	3,035.751	0	0	0	0	0	0	0	0
14	3.829	3.829	3.705	3.705	0.068	0.068	22,321.70	22,321.70	521	521	504	504	9	9	3,035.751	3,035.751	0	0	0	0	0	0	0	0
15	3.829	3.829	3.705	3.705	0.068	0.068	22,321.70	22,321.70	521	521	504	504	9	9	3,035.751	3,035.751	0	0	0	0	0	0	0	0
16	7.085	7.085	15,827	15,827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
17	7.085	7.085	15,827	15,827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
18	7.085	7.085	15,827	15,827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
19	7.085	7.085	15,827	15,827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
20	7.085	7.085	15,827	15,827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							408.664	408.664							52,626.386	52,626.386							3,626.634	3,626.634

Lost Revenue Dollars											
Year	Per Participant			Cumulative			Cumulative (Net Fuel)				
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total		
1	\$452.09	\$0.00	\$452.09	\$225,138.52	\$0.00	\$225,138.52	\$139,560.19	\$0.00	\$139,560.19		
2	\$1,313.31	\$0.00	\$1,313.31	\$236,395.45	\$0.00	\$236,395.45	\$150,817.12	\$0.00	\$150,817.12		
3	\$1,378.97	\$0.00	\$1,378.97	\$246,215.22	\$0.00	\$246,215.22	\$162,636.89	\$0.00	\$162,636.89		
4	\$1,447.92	\$0.00	\$1,447.92	\$260,625.98	\$0.00	\$260,625.98	\$175,047.65	\$0.00	\$175,047.65		
5	\$1,520.32	\$0.00	\$1,520.32	\$273,657.28	\$0.00	\$273,657.28	\$188,078.95	\$0.00	\$188,078.95		
6	\$1,598.60	\$0.00	\$1,598.60	\$284,550.74	\$0.00	\$284,550.74	\$199,947.04	\$0.00	\$199,947.04		
7	\$1,678.53	\$0.00	\$1,678.53	\$298,778.28	\$0.00	\$298,778.28	\$213,874.58	\$0.00	\$213,874.58		
8	\$1,695.31	\$0.00	\$1,695.31	\$301,766.06	\$0.00	\$301,766.06	\$216,862.36	\$0.00	\$216,862.36		
9	\$1,712.27	\$0.00	\$1,712.27	\$304,783.72	\$0.00	\$304,783.72	\$219,880.02	\$0.00	\$219,880.02		
10	\$1,733.70	\$0.00	\$1,733.70	\$306,864.17	\$0.00	\$306,864.17	\$222,153.98	\$0.00	\$222,153.98		
11	\$1,751.03	\$0.00	\$1,751.03	\$309,932.81	\$0.00	\$309,932.81	\$225,222.63	\$0.00	\$225,222.63		
12	\$1,768.54	\$0.00	\$1,768.54	\$313,032.14	\$0.00	\$313,032.14	\$228,321.95	\$0.00	\$228,321.95		
13	\$1,803.65	\$0.00	\$1,803.65	\$258,897.02	\$0.00	\$258,897.02	\$187,281.88	\$0.00	\$187,281.88		
14	\$1,822.69	\$0.00	\$1,822.69	\$261,465.99	\$0.00	\$261,465.99	\$189,860.85	\$0.00	\$189,860.85		
15	\$1,941.92	\$0.00	\$1,941.92	\$264,100.85	\$0.00	\$264,100.85	\$192,465.71	\$0.00	\$192,465.71		
16	\$1,832.05	\$0.00	\$1,832.05	\$3,664.10	\$0.00	\$3,664.10	\$2,605.77	\$0.00	\$2,605.77		
17	\$1,850.37	\$0.00	\$1,850.37	\$3,700.74	\$0.00	\$3,700.74	\$2,642.41	\$0.00	\$2,642.41		
18	\$1,868.87	\$0.00	\$1,868.87	\$3,737.75	\$0.00	\$3,737.75	\$2,679.42	\$0.00	\$2,679.42		
19	\$1,887.56	\$0.00	\$1,887.56	\$3,775.12	\$0.00	\$3,775.12	\$2,716.79	\$0.00	\$2,716.79		
20	\$1,906.44	\$0.00	\$1,906.44	\$3,812.88	\$0.00	\$3,812.88	\$2,754.54	\$0.00	\$2,754.54		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$33,164.15	\$0.00	\$33,164.15	\$4,166,914.83	\$0.00	\$4,166,914.83	\$2,925,080.74	\$0.00	\$2,925,080.74		

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/kWh (net)	\$/CCF (net)	\$/kWh (net)	
1	\$38,356.99	\$65,152.65	\$247,972.93	\$0.00	\$351,482.57	\$634.38	\$634.38	\$0.10	\$0.10	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$38,356.99	\$65,152.65	\$247,972.93	\$0.00	\$351,482.57	\$634.38	\$634.38	\$0.10	\$0.10	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario											
Year	Cumulative Electric				Cumulative Gas						
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$116,726.05	\$40,854.12	\$58,891.48	\$797.86	\$217,269.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$127,550.91	\$44,542.82	\$60,804.76	\$797.86	\$233,796.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$139,298.80	\$48,754.58	\$62,778.87	\$797.86	\$251,630.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$202,542.86	\$70,890.00	\$64,819.33	\$797.86	\$339,050.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$204,180.70	\$71,453.24	\$65,926.15	\$797.86	\$343,367.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$218,929.76	\$76,625.42	\$67,873.71	\$791.57	\$384,220.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$220,386.37	\$77,135.23	\$70,078.78	\$791.57	\$368,391.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$255,254.76	\$89,339.16	\$72,354.45	\$791.57	\$417,739.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$270,702.93	\$94,746.03	\$74,706.16	\$791.57	\$440,946.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$291,075.72	\$101,876.50	\$76,888.09	\$789.77	\$470,630.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$294,538.95	\$103,088.63	\$79,389.31	\$789.77	\$477,806.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$303,826.34	\$106,339.22	\$81,966.32	\$789.77	\$492,921.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$265,026.40	\$92,759.24	\$80,037.76	\$667.87	\$438,491.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$272,977.19	\$95,542.02	\$82,638.78	\$667.87	\$451,825.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$281,166.50	\$98,408.28	\$85,326.85	\$667.87	\$465,569.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$4,014.65	\$1,405.13	\$6,856.70	\$9.87	\$12,286.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$4,135.00	\$1,447.28	\$6,856.70	\$9.87	\$12,448.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$4,259.15	\$1,490.70	\$6,856.70	\$9.87	\$12,616.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$4,386.92	\$1,535.42	\$6,856.70	\$9.87	\$12,788.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$4,518.53	\$1,581.48	\$6,856.70	\$9.87	\$12,966.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$3,485,498.58	\$1,219,924.50	\$1,119,764.30	\$11,577.80	\$5,836,765.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)											
Year	Cumulative Electric				Cumulative Gas						
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$112,866.25	\$37,876.85	\$58,891.48	\$797.86	\$210,232.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$123,333.15	\$45,628.16	\$60,804.76	\$797.86	\$230,563.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$134,692.57	\$53,873.11	\$62,778.87	\$797.86	\$256,942.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$195,845.33	\$80,545.93	\$64,819.33	\$797.86	\$332,008.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$197,429.01	\$81,543.84	\$65,926.15	\$797.86	\$338,696.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$211,768.74	\$86,400.14	\$67,873.71	\$791.57	\$396,834.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$213,177.70	\$86,400.14	\$70,078.78	\$791.57	\$400,448.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$246,905.57	\$116,400.14	\$72,354.45	\$791.57	\$436,451.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$261,848.45	\$116,400.14	\$74,706.16	\$791.57	\$453,746.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$281,576.32	\$116,023.50	\$76,888.09	\$789.77	\$475,277.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$284,926.52	\$116,023.50	\$79,389.31	\$789.77	\$481,129.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$293,910.81	\$116,023.50	\$81,966.32	\$789.77	\$492,690.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$258,382.55	\$109,631.08	\$80,037.76	\$667.87	\$448,719.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$266,134.03	\$109,631.08	\$82,638.78	\$667.87	\$459,071.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$274,118.05	\$109,631.08	\$85,326.85	\$667.87	\$469,743.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$4,120.50	\$6,888.08	\$6,856.70	\$9.87	\$17,875.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$4,244.11	\$6,888.08	\$6,856.70	\$9.87	\$17,998.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$4,371.43	\$6,888.08	\$6,856.70	\$9.87	\$18,126.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$4,502.58	\$6,888.08	\$6,856.70	\$9.87	\$18,257.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$4,637.65	\$6,888.08	\$6,856.70	\$9.87	\$18,392.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$3,378,791.41	\$1,458,072.55	\$1,119,764.30	\$11,577.80	\$5,968,205.96	\$5,968,205.96	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	112,866.25	37,876.85	58,891.48	797.86
0.93	114,197.36	42,248.29	56,300.70	738.76
0.86	115,477.17	33,155.96	53,822.76	684.04
0.79	106,468.24	32,186.66	51,455.87	633.37
0.74	145,116.22	87,133.26	49,192.72	586.45
0.68	144,126.24	79,219.98	46,193.71	538.73
0.63	134,338.11	73,351.63	44,161.52	498.82
0.58	144,067.03	67,916.36	42,218.13	451.87
0.54	141,468.57	62,887.37	40,361.41	427.66
0.50	140,858.26	58,040.64	38,463.19	398.08
0.46	97,856.93	40,311.12	30,386.11	245.57
0.43	93,328.52	37,325.11	29,050.47	227.38
0.40	102,607.27	43,636.01	31,784.10	265.22
0.37	97,856.93	40,311.12	30,386.11	245.57
0.34	93,328.52	37,325.11	29,050.47	227.38
0.32	1,298.95	2,171.41	2,161.52	3.11
0.29	1,238.82	2,001.41	2,001.41	2.88
0.27	1,861.63	1,853.15	1,853.15	2.87
0.25	1,723.73	1,715.88	1,715.88	2.47
0.23				
	1,905,626.81	806,235.11	651,940.48	7,216.47
	58,726.03	26,160.81	16,812.16	176.24

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.48	7.88	10.48	10.88	13.69	30.75
TRC Test	5.66	5.96	7.93	8.24	10.37	23.29
RIM Test	0.65	0.69	0.91	0.94	1.18	2.62
RIM (Net Fuel)	0.87	0.92	1.21	1.26	1.59	3.51
Societal Test	5.66	5.96	7.93	8.24	10.37	23.29
Participant Test	8.16	8.10	8.16	8.16	8.16	8.28

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$5,338.90	100.00%
Total Cost / kWh Savings	\$0.0054	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$168.59	3.16%
Allocated Costs / kWh Savings	\$0.0052	96.84%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$19,309.24	\$144,472.17	\$125,162.94	7.48	Utility (PAC) Test
\$35,269.24	\$199,791.44	\$164,522.20	5.66	TRC Test
\$223,249.83	\$144,472.17	(\$78,777.66)	0.65	RIM Test
\$166,787.51	\$144,472.17	(\$22,315.34)		RIM (Net Fuel)
\$35,269.24	\$199,791.44	\$164,522.20	5.66	Societal Test
\$29,400.00	\$239,936.42	\$210,536.42	8.16	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=AHP.xlsx|Financial Reports

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$135,942.68	\$109,666.86	\$146,865.53	\$152,579.02	\$192,830.20	\$436,727.93
Avoided Electric Production Adders	\$0.00	\$38,383.40	\$51,402.94	\$53,402.66	\$67,490.57	\$152,854.78
Avoided Electric Capacity	\$4,432.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38
Avoided Ancillary	\$526.41	\$522.45	\$526.41	\$526.41	\$526.41	\$534.56
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$144,472.17	\$152,143.09	\$202,365.25	\$210,078.46	\$264,417.55	\$593,687.65
Administration Costs	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64
Implementation / Participation Costs	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00
Total	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$188,127.39	\$151,765.00	\$203,243.23	\$211,149.98	\$266,852.49	\$604,375.96
Avoided Electric Production Adders	\$0.00	\$53,117.75	\$71,135.13	\$73,902.49	\$93,398.37	\$211,531.58
Avoided Electric Capacity	\$6,209.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83
Avoided Ancillary	\$688.23	\$683.06	\$688.23	\$688.23	\$688.23	\$698.90
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$199,791.44	\$210,331.64	\$279,832.42	\$290,506.53	\$365,704.92	\$821,372.26
Administration Costs	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64
Implementation / Participation Costs	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
14	300,259	3.617	0.000	Generator
	277,319	3.340	0.000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$1,067.64	\$4,801.60	\$0.00	\$13,440.00	\$19,309.24

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Cratree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$135,942.68	\$109,666.86	\$146,865.53	\$152,579.02	\$192,830.20	\$436,727.93
Avoided Electric Production Adders	\$0.00	\$38,383.40	\$51,402.94	\$53,402.66	\$67,490.57	\$152,854.78
Avoided Electric Capacity	\$4,432.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38	\$3,570.38
Avoided Ancillary	\$526.41	\$522.45	\$526.41	\$526.41	\$526.41	\$534.56
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$144,472.17	\$152,143.09	\$202,365.25	\$210,078.46	\$264,417.55	\$593,687.65
Administration Costs	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64
Implementation / Participation Costs	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00
Total	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24	\$19,309.24
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$203,940.59	\$202,376.56	\$203,940.59	\$203,940.59	\$203,940.59	\$207,025.40
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$203,940.59	\$202,376.56	\$203,940.59	\$203,940.59	\$203,940.59	\$207,025.40
Net Fuel Lost Revenue (Electric)	\$147,478.27	\$146,330.78	\$147,478.27	\$147,478.27	\$147,478.27	\$149,688.33
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$147,478.27	\$146,330.78	\$147,478.27	\$147,478.27	\$147,478.27	\$149,688.33
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test						
Avoided Electric Production	\$188,127.39	\$151,765.00	\$203,243.23	\$211,149.98	\$266,852.49	\$604,375.96
Avoided Electric Production Adders	\$0.00	\$53,117.75	\$71,135.13	\$73,902.49	\$93,398.37	\$211,531.58
Avoided Electric Capacity	\$6,209.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83	\$4,765.83
Avoided Ancillary	\$688.23	\$683.06	\$688.23	\$688.23	\$688.23	\$698.90
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$199,791.44	\$210,331.64	\$279,832.42	\$290,506.53	\$365,704.92	\$821,372.26
Administration Costs	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64	\$1,067.64
Implementation / Participation Costs	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60	\$4,801.60
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24	\$5,869.24
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00	\$13,440.00
Participant Costs (gross)	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00	\$29,400.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$226,496.42	\$224,759.41	\$226,496.42	\$226,496.42	\$226,496.42	\$229,922.41
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$226,496.42	\$224,759.41	\$226,496.42	\$226,496.42	\$226,496.42	\$229,922.41

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	14	0	14	0	14	14	\$29,400.00	\$0.00	\$29,400.00
2	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
3	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
4	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
5	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
6	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
7	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
8	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
9	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
10	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
11	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
12	0	0	14	0	14	14	\$0.00	\$0.00	\$0.00
13	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
14	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
15	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	14	0	168	0	168	168	\$29,400	\$0	\$29,400

Impacts and Savings																										
Year	Per Participant										Electric Impacts/Savings															
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		
1	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	8.68	8.68	3.62	3.62	0.00	0.00	300,258.77	300,258.77		
2	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
3	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
4	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
5	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
6	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
7	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
8	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
9	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
10	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
11	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
12	0.620	0.620	0.258	0.258	0.000	0.000	21,447.05	21,447.05	9	9	4	4	0	0	300,259	300,259	0	0	0	0	0	0	0	0		
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Totals							257,365	257,365							3,603,105	3,603,105									300,259	300,259

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$1,503.67	\$0.00	\$1,503.67	\$21,051.44	\$0.00	\$21,051.44	\$13,966.18	\$0.00	\$13,966.18
2	\$1,578.86	\$0.00	\$1,578.86	\$22,104.02	\$0.00	\$22,104.02	\$15,018.76	\$0.00	\$15,018.76
3	\$1,657.80	\$0.00	\$1,657.80	\$23,209.22	\$0.00	\$23,209.22	\$16,123.96	\$0.00	\$16,123.96
4	\$1,740.69	\$0.00	\$1,740.69	\$24,369.68	\$0.00	\$24,369.68	\$17,284.42	\$0.00	\$17,284.42
5	\$1,827.73	\$0.00	\$1,827.73	\$25,588.16	\$0.00	\$25,588.16	\$18,502.90	\$0.00	\$18,502.90
6	\$1,919.11	\$0.00	\$1,919.11	\$26,867.57	\$0.00	\$26,867.57	\$19,782.31	\$0.00	\$19,782.31
7	\$2,015.07	\$0.00	\$2,015.07	\$28,210.95	\$0.00	\$28,210.95	\$21,125.69	\$0.00	\$21,125.69
8	\$2,035.22	\$0.00	\$2,035.22	\$28,493.06	\$0.00	\$28,493.06	\$21,407.80	\$0.00	\$21,407.80
9	\$2,055.57	\$0.00	\$2,055.57	\$28,777.99	\$0.00	\$28,777.99	\$21,692.73	\$0.00	\$21,692.73
10	\$2,076.13	\$0.00	\$2,076.13	\$29,065.77	\$0.00	\$29,065.77	\$21,980.51	\$0.00	\$21,980.51
11	\$2,096.89	\$0.00	\$2,096.89	\$29,356.43	\$0.00	\$29,356.43	\$22,271.17	\$0.00	\$22,271.17
12	\$2,117.86	\$0.00	\$2,117.86	\$29,649.99	\$0.00	\$29,649.99	\$22,564.73	\$0.00	\$22,564.73
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$22,624.59	\$0.00	\$22,624.59	\$316,744.26	\$0.00	\$316,744.26	\$231,721.15	\$0.00	\$231,721.15

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/kWh (net)	\$/CCF (net)	\$/kWh (net)	
1	\$1,067.64	\$4,801.60	\$13,440.00	\$0.00	\$19,309.24	\$5,338.90	\$5,338.90	\$0.06	\$0.06	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,067.64	\$4,801.60	\$13,440.00	\$0.00	\$19,309.24	\$5,338.90	\$5,338.90	\$0.06	\$0.06	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario											
Year	Cumulative Electric					Cumulative Gas					
	Energy	Address	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$10,534.03	\$3,686.91	\$385.18	\$66.06	\$14,672.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$11,510.93	\$4,028.83	\$397.69	\$66.06	\$16,003.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$12,571.13	\$4,399.89	\$410.60	\$66.06	\$17,447.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$18,278.64	\$6,397.52	\$423.95	\$66.06	\$25,166.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$18,426.44	\$6,449.26	\$437.73	\$66.06	\$25,379.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$19,028.73	\$6,875.05	\$451.98	\$66.06	\$27,421.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$20,061.32	\$7,021.46	\$466.66	\$66.06	\$27,615.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$23,235.32	\$8,132.36	\$481.82	\$66.06	\$31,915.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$24,641.53	\$8,634.54	\$497.48	\$66.06	\$33,829.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$26,588.00	\$9,295.30	\$513.64	\$66.06	\$36,433.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$26,873.99	\$9,405.90	\$530.35	\$66.06	\$36,876.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$27,721.38	\$9,702.48	\$547.57	\$66.06	\$38,037.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$240,341.45	\$84,119.51	\$5,544.66	\$792.68	\$330,798.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)											
Year	Cumulative Electric					Cumulative Gas					
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$0,790.58	\$296.13	\$385.18	\$66.06	\$10,451.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$10,654.83	\$302.92	\$397.69	\$66.06	\$11,421.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$11,636.17	\$256.75	\$410.60	\$66.06	\$12,369.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$16,019.20	\$266.18	\$423.95	\$66.06	\$17,878.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$17,056.01	\$787.00	\$437.73	\$66.06	\$18,346.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$18,446.57	\$787.00	\$451.98	\$66.06	\$19,751.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$18,569.30	\$787.00	\$466.66	\$66.06	\$19,889.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$21,507.23	\$787.00	\$481.82	\$66.06	\$22,842.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$22,808.87	\$787.00	\$497.48	\$66.06	\$24,159.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$24,582.80	\$787.00	\$513.64	\$66.06	\$25,949.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$24,875.29	\$787.00	\$530.35	\$66.06	\$26,258.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$25,659.65	\$787.00	\$547.57	\$66.06	\$27,080.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$222,466.49	\$7,374.94	\$5,544.66	\$792.68	\$236,178.77	\$236,178.77	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	9,795.58	295.13	385.18	66.06
0.92	9,820.12	279.19	366.54	60.88
0.85	9,884.41	218.09	348.79	56.11
0.78	13,246.18	210.74	331.91	51.72
0.72	12,307.18	67.88	315.85	47.66
0.67	12,267.80	623.39	300.59	43.93
0.61	11,381.96	482.39	286.04	40.49
0.56	12,150.00	444.59	272.19	37.32
0.52	11,875.88	409.76	259.02	34.39
0.48	11,796.73	377.66	246.49	31.70
0.44	11,001.98	348.88	234.57	29.22
0.41	10,459.81	320.81	223.21	26.93
0.38	-	-	-	-
0.35	-	-	-	-
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
0.21	-	-	-	-
	135,942.68	4,432.71	3,570.38	526.41
	-	-	-	-

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	10.46	8.26	10.20	10.46	12.71	25.61
TRC Test	6.54	5.14	6.36	6.52	7.93	16.01
RIM Test	1.22	0.97	1.19	1.22	1.49	2.97
RIM (Net Fuel)	1.69	1.34	1.65	1.70	2.06	4.12
Societal Test	6.54	5.14	6.36	6.52	7.93	16.01
Participant Test	4.25	4.22	4.25	4.25	4.25	4.28

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$557.58	100.00%
Total Cost / kWh Savings	\$0.0060	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$168.73	30.26%
Allocated Costs / kWh Savings	\$0.0042	69.74%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$289,933.83	\$3,032,753.03	\$2,742,819.21	10.46	Utility (PAC) Test
\$689,022.47	\$4,506,323.04	\$3,817,300.58	6.54	TRC Test
\$2,479,435.54	\$3,032,753.03	\$553,317.50	1.22	RIM Test
\$1,789,575.03	\$3,032,753.03	\$1,243,178.01		RIM (Net Fuel)
\$689,022.47	\$4,506,323.04	\$3,817,300.58	6.54	Societal Test
\$626,634.00	\$2,660,506.63	\$2,033,872.63	4.25	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=ALL.xlsx Financial Reports

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$1,693,817.92	\$1,325,643.08	\$1,743,289.44	\$1,799,546.26	\$2,282,049.28	\$5,053,232.53
Avoided Electric Production Adders	\$0.00	\$463,975.08	\$610,151.31	\$629,841.19	\$798,717.25	\$1,768,631.38
Avoided Electric Capacity	\$734,989.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02
Avoided Ancillary	\$6,431.67	\$6,388.15	\$6,431.67	\$6,431.67	\$6,431.67	\$6,495.50
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,032,753.03	\$2,393,520.33	\$2,957,386.44	\$3,033,333.15	\$3,684,712.23	\$7,425,873.44
Administration Costs	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10
Implementation / Participation Costs	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36
Total	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,524,401.82	\$1,974,979.80	\$2,596,752.70	\$2,680,353.58	\$3,398,874.20	\$7,524,725.79
Avoided Electric Production Adders	\$0.00	\$691,242.93	\$908,863.44	\$938,123.75	\$1,189,605.97	\$2,633,654.03
Avoided Electric Capacity	\$1,108,074.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55
Avoided Ancillary	\$8,908.74	\$8,848.27	\$8,908.74	\$8,908.74	\$8,908.74	\$8,997.09
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,506,323.04	\$3,540,008.54	\$4,379,462.44	\$4,492,323.62	\$5,462,326.46	\$11,032,314.46
Administration Costs	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10
Implementation / Participation Costs	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
133	3,295,212	510,703	9,279	Generator
	3,043,458	471,686	8,570	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$16,811.10	\$45,577.37	\$0.00	\$227,545.36	\$289,933.83

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,693,817.92	\$1,325,643.08	\$1,743,289.44	\$1,799,546.26	\$2,282,049.28	\$5,053,232.53
Avoided Electric Production Adders	\$0.00	\$463,975.08	\$610,151.31	\$629,841.19	\$798,717.25	\$1,768,631.38
Avoided Electric Capacity	\$734,989.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02	\$597,514.02
Avoided Ancillary	\$6,431.67	\$6,388.15	\$6,431.67	\$6,431.67	\$6,431.67	\$6,495.50
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,032,753.03	\$2,393,520.33	\$2,957,386.44	\$3,033,333.15	\$3,684,712.23	\$7,425,873.44
Administration Costs	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10
Implementation / Participation Costs	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36
Total	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83	\$289,933.83
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$2,189,501.71	\$2,176,086.71	\$2,189,501.71	\$2,189,501.71	\$2,189,501.71	\$2,210,212.03
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,189,501.71	\$2,176,086.71	\$2,189,501.71	\$2,189,501.71	\$2,189,501.71	\$2,210,212.03
Net Fuel Lost Revenue (Electric)	\$1,499,641.20	\$1,490,860.45	\$1,499,641.20	\$1,499,641.20	\$1,499,641.20	\$1,513,505.24
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,499,641.20	\$1,490,860.45	\$1,499,641.20	\$1,499,641.20	\$1,499,641.20	\$1,513,505.24
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test						
Avoided Electric Production	\$2,524,401.82	\$1,974,979.80	\$2,596,752.70	\$2,680,353.58	\$3,398,874.20	\$7,524,725.79
Avoided Electric Production Adders	\$0.00	\$691,242.93	\$908,863.44	\$938,123.75	\$1,189,605.97	\$2,633,654.03
Avoided Electric Capacity	\$1,108,074.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55	\$864,937.55
Avoided Ancillary	\$8,908.74	\$8,848.27	\$8,908.74	\$8,908.74	\$8,908.74	\$8,997.09
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,506,323.04	\$3,540,008.54	\$4,379,462.44	\$4,492,323.62	\$5,462,326.46	\$11,032,314.46
Administration Costs	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10	\$16,811.10
Implementation / Participation Costs	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37	\$45,577.37
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47	\$62,388.47
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36	\$227,545.36
Participant Costs (gross)	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00	\$626,634.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,432,961.27	\$2,418,032.12	\$2,432,961.27	\$2,432,961.27	\$2,432,961.27	\$2,456,000.82
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,432,961.27	\$2,418,032.12	\$2,432,961.27	\$2,432,961.27	\$2,432,961.27	\$2,456,000.82

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free riders)	One-Time Investment	Annual Investment	Total Costs
1	133	0	133	0	133	133	\$626,634.00	\$0.00	\$626,634.00
2	0	0	133	0	133	133	\$0.00	\$0.00	\$0.00
3	0	0	133	0	133	133	\$0.00	\$0.00	\$0.00
4	0	0	133	0	133	133	\$0.00	\$0.00	\$0.00
5	0	0	133	0	133	133	\$0.00	\$0.00	\$0.00
6	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
7	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
8	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
9	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
10	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
11	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
12	0	0	131	0	131	131	\$0.00	\$0.00	\$0.00
13	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00
14	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00
15	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00
16	0	2	110	2	110	110	\$0.00	\$0.00	\$0.00
17	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
18	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
19	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
20	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	133	0	1,922	0	1,922	1,922	\$626,634	\$0	\$626,634

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)		
1	3.876	3.876	3.840	3.840	0.070	0.070	24,776.03	24,776.03	516	516	511	511	9	9	3,295.212	3,295.212	515.55	515.55	510.70	510.70	9.28	9.28	3,295,211.96	3,295,211.96
2	3.876	3.876	3.840	3.840	0.070	0.070	24,776.03	24,776.03	516	516	511	511	9	9	3,295.212	3,295.212	0	0	0	0	0	0	0	0
3	3.876	3.876	3.840	3.840	0.070	0.070	24,776.03	24,776.03	516	516	511	511	9	9	3,295.212	3,295.212	0	0	0	0	0	0	0	0
4	3.876	3.876	3.840	3.840	0.070	0.070	24,776.03	24,776.03	516	516	511	511	9	9	3,295.212	3,295.212	0	0	0	0	0	0	0	0
5	3.876	3.876	3.840	3.840	0.070	0.070	24,776.03	24,776.03	516	516	511	511	9	9	3,295.212	3,295.212	0	0	0	0	0	0	0	0
6	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
7	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
8	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
9	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
10	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
11	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
12	3.857	3.857	3.823	3.823	0.071	0.071	24,936.05	24,936.05	505	505	501	501	9	9	3,266.623	3,266.623	0	0	0	0	0	0	0	0
13	4.333	4.333	4.346	4.346	0.084	0.084	26,410.31	26,410.31	477	477	478	478	9	9	2,905.134	2,905.134	0	0	0	0	0	0	0	0
14	4.333	4.333	4.346	4.346	0.084	0.084	26,410.31	26,410.31	477	477	478	478	9	9	2,905.134	2,905.134	0	0	0	0	0	0	0	0
15	4.333	4.333	4.346	4.346	0.084	0.084	26,410.31	26,410.31	477	477	478	478	9	9	2,905.134	2,905.134	0	0	0	0	0	0	0	0
16	7.085	7.085	15,827	15,827	4,639	4,639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
17	7.085	7.085	15,827	15,827	4,639	4,639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
18	7.085	7.085	15,827	15,827	4,639	4,639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
19	7.085	7.085	15,827	15,827	4,639	4,639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
20	7.085	7.085	15,827	15,827	4,639	4,639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							489,788	489,788							48,282,069	48,282,069							3,295,212	3,295,212

Lost Revenue Dollars												
Year	Per Participant			Cumulative			Cumulative (Net Fuel)			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Perist Electric	Net Free/Perist Gas	Net Free/Perist Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$1,504.34	\$0.00	\$1,504.34	\$200,076.60	\$0.00	\$200,076.60	\$122,318.90	\$0.00	\$122,318.90	\$122,318.90	\$0.00	\$122,318.90
2	\$1,579.55	\$0.00	\$1,579.55	\$210,080.43	\$0.00	\$210,080.43	\$132,322.73	\$0.00	\$132,322.73	\$132,322.73	\$0.00	\$132,322.73
3	\$1,658.53	\$0.00	\$1,658.53	\$220,594.45	\$0.00	\$220,594.45	\$142,826.76	\$0.00	\$142,826.76	\$142,826.76	\$0.00	\$142,826.76
4	\$1,741.46	\$0.00	\$1,741.46	\$231,613.67	\$0.00	\$231,613.67	\$153,855.98	\$0.00	\$153,855.98	\$153,855.98	\$0.00	\$153,855.98
5	\$1,828.53	\$0.00	\$1,828.53	\$243,194.36	\$0.00	\$243,194.36	\$165,436.66	\$0.00	\$165,436.66	\$165,436.66	\$0.00	\$165,436.66
6	\$1,927.97	\$0.00	\$1,927.97	\$255,264.68	\$0.00	\$255,264.68	\$175,451.91	\$0.00	\$175,451.91	\$175,451.91	\$0.00	\$175,451.91
7	\$2,024.37	\$0.00	\$2,024.37	\$265,192.91	\$0.00	\$265,192.91	\$188,109.84	\$0.00	\$188,109.84	\$188,109.84	\$0.00	\$188,109.84
8	\$2,044.62	\$0.00	\$2,044.62	\$267,844.84	\$0.00	\$267,844.84	\$190,761.77	\$0.00	\$190,761.77	\$190,761.77	\$0.00	\$190,761.77
9	\$2,065.06	\$0.00	\$2,065.06	\$270,523.29	\$0.00	\$270,523.29	\$193,440.22	\$0.00	\$193,440.22	\$193,440.22	\$0.00	\$193,440.22
10	\$2,085.71	\$0.00	\$2,085.71	\$273,228.52	\$0.00	\$273,228.52	\$196,145.45	\$0.00	\$196,145.45	\$196,145.45	\$0.00	\$196,145.45
11	\$2,106.57	\$0.00	\$2,106.57	\$275,960.80	\$0.00	\$275,960.80	\$198,877.74	\$0.00	\$198,877.74	\$198,877.74	\$0.00	\$198,877.74
12	\$2,127.64	\$0.00	\$2,127.64	\$278,720.41	\$0.00	\$278,720.41	\$201,637.34	\$0.00	\$201,637.34	\$201,637.34	\$0.00	\$201,637.34
13	\$2,226.90	\$0.00	\$2,226.90	\$244,958.72	\$0.00	\$244,958.72	\$176,405.77	\$0.00	\$176,405.77	\$176,405.77	\$0.00	\$176,405.77
14	\$2,249.17	\$0.00	\$2,249.17	\$247,408.91	\$0.00	\$247,408.91	\$178,865.35	\$0.00	\$178,865.35	\$178,865.35	\$0.00	\$178,865.35
15	\$2,271.66	\$0.00	\$2,271.66	\$249,882.39	\$0.00	\$249,882.39	\$181,329.44	\$0.00	\$181,329.44	\$181,329.44	\$0.00	\$181,329.44
16	\$1,832.05	\$0.00	\$1,832.05	\$3,664.10	\$0.00	\$3,664.10	\$2,605.77	\$0.00	\$2,605.77	\$2,605.77	\$0.00	\$2,605.77
17	\$1,850.37	\$0.00	\$1,850.37	\$3,700.74	\$0.00	\$3,700.74	\$2,642.41	\$0.00	\$2,642.41	\$2,642.41	\$0.00	\$2,642.41
18	\$1,868.87	\$0.00	\$1,868.87	\$3,737.75	\$0.00	\$3,737.75	\$2,679.42	\$0.00	\$2,679.42	\$2,679.42	\$0.00	\$2,679.42
19	\$1,887.56	\$0.00	\$1,887.56	\$3,775.12	\$0.00	\$3,775.12	\$2,716.79	\$0.00	\$2,716.79	\$2,716.79	\$0.00	\$2,716.79
20	\$1,906.44	\$0.00	\$1,906.44	\$3,812.88	\$0.00	\$3,812.88	\$2,754.54	\$0.00	\$2,754.54	\$2,754.54	\$0.00	\$2,754.54
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$38,787.37	\$0.00 </										

Utility Program Costs											
Year	Administration	Implementation	Overall Costs			Total Costs per kW, kWh, and CCF Saved					
			Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)			
1	\$16,811.10	\$45,577.37	\$227,545.36	\$0.00	\$289,933.83	\$557.58	\$557.58	\$0.09	\$0.09	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$16,811.10	\$45,577.37	\$227,545.36	\$0.00	\$289,933.83	\$557.58	\$557.58	\$0.09	\$0.09	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Address	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$105,805.07	\$37,031.77	\$55,262.54	\$724.95	\$198,824.33	\$0.00	\$0.00	\$0.00		
2	\$115,617.14	\$40,466.00	\$57,057.92	\$724.95	\$213,866.01	\$0.00	\$0.00	\$0.00		
3	\$126,265.89	\$44,193.06	\$58,910.38	\$724.95	\$230,094.29	\$0.00	\$0.00	\$0.00		
4	\$183,592.79	\$64,257.48	\$60,825.11	\$724.95	\$309,400.32	\$0.00	\$0.00	\$0.00		
5	\$185,077.39	\$64,777.09	\$62,802.11	\$724.95	\$313,381.53	\$0.00	\$0.00	\$0.00		
6	\$198,298.98	\$69,394.14	\$63,615.42	\$718.66	\$331,907.20	\$0.00	\$0.00	\$0.00		
7	\$199,588.13	\$69,855.85	\$65,682.14	\$718.66	\$335,844.77	\$0.00	\$0.00	\$0.00		
8	\$231,165.92	\$80,908.07	\$67,815.04	\$718.66	\$380,607.70	\$0.00	\$0.00	\$0.00		
9	\$245,156.23	\$85,804.68	\$70,019.21	\$718.66	\$401,698.78	\$0.00	\$0.00	\$0.00		
10	\$264,222.98	\$92,478.04	\$72,294.64	\$718.66	\$429,714.33	\$0.00	\$0.00	\$0.00		
11	\$267,366.71	\$93,578.35	\$74,646.43	\$718.66	\$436,310.15	\$0.00	\$0.00	\$0.00		
12	\$275,797.31	\$96,529.06	\$77,069.49	\$718.66	\$450,114.52	\$0.00	\$0.00	\$0.00		
13	\$283,184.76	\$98,614.67	\$78,019.64	\$639.13	\$418,458.20	\$0.00	\$0.00	\$0.00		
14	\$260,780.31	\$91,273.11	\$78,490.09	\$639.13	\$431,182.63	\$0.00	\$0.00	\$0.00		
15	\$268,603.71	\$94,011.30	\$81,043.20	\$639.13	\$444,297.35	\$0.00	\$0.00	\$0.00		
16	\$4,014.65	\$1,405.13	\$6,856.70	\$9.87	\$12,286.35	\$0.00	\$0.00	\$0.00		
17	\$4,135.00	\$1,447.28	\$6,856.70	\$9.87	\$12,448.94	\$0.00	\$0.00	\$0.00		
18	\$4,259.15	\$1,490.70	\$6,856.70	\$9.87	\$12,616.42	\$0.00	\$0.00	\$0.00		
19	\$4,386.92	\$1,535.42	\$6,856.70	\$9.87	\$12,788.91	\$0.00	\$0.00	\$0.00		
20	\$4,518.53	\$1,581.48	\$6,856.70	\$9.87	\$12,966.58	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$3,201,807.68	\$1,120,632.69	\$1,055,836.89	\$10,622.06	\$5,388,899.31	\$0.00	\$0.00	\$0.00		

Cost-Based Avoided Costs (Net Free Riders/Persistence)										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$102,852.81	\$35,300.25	\$55,262.54	\$724.95	\$193,960.54	\$0.00	\$0.00	\$0.00		
2	\$112,172.55	\$42,774.23	\$57,057.92	\$724.95	\$212,729.64	\$0.00	\$0.00	\$0.00		
3	\$122,504.04	\$46,254.20	\$58,910.38	\$724.95	\$218,393.57	\$0.00	\$0.00	\$0.00		
4	\$178,122.99	\$39,009.98	\$60,825.11	\$724.95	\$277,682.93	\$0.00	\$0.00	\$0.00		
5	\$179,563.36	\$111,129.21	\$62,802.11	\$724.95	\$354,219.63	\$0.00	\$0.00	\$0.00		
6	\$192,446.52	\$108,985.51	\$63,615.42	\$718.66	\$365,766.11	\$0.00	\$0.00	\$0.00		
7	\$193,726.93	\$108,985.51	\$65,682.14	\$718.66	\$369,113.24	\$0.00	\$0.00	\$0.00		
8	\$224,377.40	\$108,985.51	\$67,815.04	\$718.66	\$401,906.61	\$0.00	\$0.00	\$0.00		
9	\$237,956.86	\$108,985.51	\$70,019.21	\$718.66	\$417,680.24	\$0.00	\$0.00	\$0.00		
10	\$256,463.69	\$108,985.51	\$72,294.64	\$718.66	\$438,462.50	\$0.00	\$0.00	\$0.00		
11	\$259,515.10	\$108,985.51	\$74,646.43	\$718.66	\$443,965.70	\$0.00	\$0.00	\$0.00		
12	\$267,698.12	\$108,985.51	\$77,069.49	\$718.66	\$454,471.78	\$0.00	\$0.00	\$0.00		
13	\$247,318.38	\$104,037.79	\$76,019.64	\$639.13	\$428,014.94	\$0.00	\$0.00	\$0.00		
14	\$254,737.93	\$104,037.79	\$78,490.09	\$639.13	\$437,904.94	\$0.00	\$0.00	\$0.00		
15	\$262,380.07	\$104,037.79	\$81,043.20	\$639.13	\$448,100.19	\$0.00	\$0.00	\$0.00		
16	\$4,120.50	\$6,888.08	\$6,856.70	\$9.87	\$17,875.14	\$0.00	\$0.00	\$0.00		
17	\$4,244.11	\$6,888.08	\$6,856.70	\$9.87	\$17,998.75	\$0.00	\$0.00	\$0.00		
18	\$4,371.43	\$6,888.08	\$6,856.70	\$9.87	\$18,126.08	\$0.00	\$0.00	\$0.00		
19	\$4,502.58	\$6,888.08	\$6,856.70	\$9.87	\$18,257.22	\$0.00	\$0.00	\$0.00		
20	\$4,637.65	\$6,888.08	\$6,856.70	\$9.87	\$18,392.30	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$3,113,513.02	\$1,372,940.08	\$1,055,836.89	\$10,622.06	\$5,652,912.05	\$5,652,912.05	\$0.00	\$0.00		

Cost Based NPV				
Energy	Capacity	T&D	Auxiliary	
1.00	102,852.81	35,300.25	55,262.54	724.95
0.93	103,863.47	39,605.77	52,831.41	671.25
0.86	105,027.47	31,082.14	50,506.16	621.52
0.79	141,399.77	30,173.87	48,294.94	576.49
0.74	131,984.43	81,683.29	46,161.43	532.86
0.68	130,975.87	74,173.71	43,295.58	489.11
0.63	122,080.83	68,679.36	41,200.89	452.88
0.58	130,922.06	63,992.62	39,589.43	419.33
0.54	128,560.69	58,881.48	37,829.20	388.27
0.50	128,296.70	54,619.89	36,165.32	359.51
0.46	93,666.61	38,254.48	28,800.64	332.88
0.43	114,811.14	46,742.02	33,053.78	308.22
0.40	96,213.53	41,314.84	30,188.45	253.81
0.37	93,666.61	38,254.48	28,800.64	236.01
0.34	89,330.19	35,420.81	27,582.05	217.60
0.32	1,298.95	2,171.41	2,161.92	1.11
0.29	1,238.82	2,001.41	2,001.41	2.88
0.27	1,861.63	1,853.15	1,853.15	2.87
0.25	1,723.73	1,718.88	1,718.88	2.47
0.23				
	1,748,113.40	757,666.71	613,299.52	6,593.79
	\$4,295.48	22,677.29	15,785.49	162.11

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	12.02	9.20	11.22	11.46	13.91	27.43
TRC Test	8.41	6.41	7.84	8.01	9.73	19.26
RIM Test	1.39	1.07	1.30	1.33	1.61	3.16
RIM (Net Fuel)	2.02	1.55	1.88	1.92	2.33	4.58
Societal Test	8.41	6.41	7.84	8.01	9.73	19.26
Participant Test	4.60	4.58	4.60	4.60	4.60	4.62

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$471.54	100.00%
Total Cost / kWh Savings	\$0.0053	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$152.06	32.25%
Allocated Costs / kWh Savings	\$0.0036	67.75%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$162,105.07	\$1,949,240.11	\$1,787,135.04	12.02	Utility (PAC) Test
\$344,732.88	\$2,898,709.84	\$2,553,976.96	8.41	TRC Test
\$1,400,905.09	\$1,949,240.11	\$548,335.03	1.39	RIM Test
\$966,233.82	\$1,949,240.11	\$983,006.29		RIM (Net Fuel)
\$344,732.88	\$2,898,709.84	\$2,553,976.96	8.41	Societal Test
\$331,728.00	\$1,524,911.49	\$1,193,183.49	4.60	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=DPR.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$1,048,909.40	\$807,109.68	\$1,049,600.33	\$1,079,297.70	\$1,372,919.26	\$2,996,198.16
Avoided Electric Production Adders	\$0.00	\$282,488.39	\$367,360.12	\$377,754.19	\$480,521.74	\$1,048,669.36
Avoided Electric Capacity	\$499,219.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39
Avoided Ancillary	\$4,052.51	\$4,028.48	\$4,052.51	\$4,052.51	\$4,052.51	\$4,078.03
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,949,240.11	\$1,490,684.93	\$1,818,071.35	\$1,858,162.79	\$2,254,551.90	\$4,446,003.95
Administration Costs	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78
Implementation / Participation Costs	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19
Total	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,572,599.58	\$1,210,076.24	\$1,573,635.48	\$1,618,159.88	\$2,058,378.21	\$4,492,113.41
Avoided Electric Production Adders	\$0.00	\$423,526.68	\$550,772.42	\$566,355.96	\$720,432.37	\$1,572,239.69
Avoided Electric Capacity	\$749,435.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06
Avoided Ancillary	\$5,643.07	\$5,609.61	\$5,643.07	\$5,643.07	\$5,643.07	\$5,678.62
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,898,709.84	\$2,210,244.60	\$2,701,083.03	\$2,761,190.97	\$3,355,485.72	\$6,641,063.79
Administration Costs	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78
Implementation / Participation Costs	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
89	2,044,426	343,775	0,000	Generator
	1,888,232	317,511	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$4,684.78	\$8,320.10	\$0.00	\$149,100.19	\$162,105.07

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Cratree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,048,909.40	\$807,109.68	\$1,049,600.33	\$1,079,297.70	\$1,372,919.26	\$2,996,198.16
Avoided Electric Production Adders	\$0.00	\$282,488.39	\$367,360.12	\$377,754.19	\$480,521.74	\$1,048,669.36
Avoided Electric Capacity	\$499,219.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39	\$397,058.39
Avoided Ancillary	\$4,052.51	\$4,028.48	\$4,052.51	\$4,052.51	\$4,052.51	\$4,078.03
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,949,240.11	\$1,490,684.93	\$1,818,071.35	\$1,858,162.79	\$2,254,551.90	\$4,446,003.95
Administration Costs	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78
Implementation / Participation Costs	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19
Total	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07	\$162,105.07
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,238,800.02	\$1,233,010.16	\$1,238,800.02	\$1,238,800.02	\$1,238,800.02	\$1,245,008.36
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,238,800.02	\$1,233,010.16	\$1,238,800.02	\$1,238,800.02	\$1,238,800.02	\$1,245,008.36
Net Fuel Lost Revenue (Electric)	\$804,128.75	\$800,916.30	\$804,128.75	\$804,128.75	\$804,128.75	\$807,598.99
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$804,128.75	\$800,916.30	\$804,128.75	\$804,128.75	\$804,128.75	\$807,598.99
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test						
Avoided Electric Production	\$1,572,599.58	\$1,210,076.24	\$1,573,635.48	\$1,618,159.88	\$2,058,378.21	\$4,492,113.41
Avoided Electric Production Adders	\$0.00	\$423,526.68	\$550,772.42	\$566,355.96	\$720,432.37	\$1,572,239.69
Avoided Electric Capacity	\$749,435.12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06	\$571,032.06
Avoided Ancillary	\$5,643.07	\$5,609.61	\$5,643.07	\$5,643.07	\$5,643.07	\$5,678.62
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,898,709.84	\$2,210,244.60	\$2,701,083.03	\$2,761,190.97	\$3,355,485.72	\$6,641,063.79
Administration Costs	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78	\$4,684.78
Implementation / Participation Costs	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10	\$8,320.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88	\$13,004.88
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19	\$149,100.19
Participant Costs (gross)	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00	\$331,728.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,375,811.30	\$1,369,381.08	\$1,375,811.30	\$1,375,811.30	\$1,375,811.30	\$1,382,706.28
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,375,811.30	\$1,369,381.08	\$1,375,811.30	\$1,375,811.30	\$1,375,811.30	\$1,382,706.28

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/penders)	One-Time Investment	Annual Investment	Total Costs
1	89	0	89	0	89	89	\$331,728.00	\$0.00	\$331,728.00
2	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
3	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
4	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
5	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
6	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
7	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
8	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
9	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
10	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
11	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
12	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
13	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
14	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
15	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
16	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
17	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
18	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
19	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
20	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
21	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
22	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
23	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
24	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
25	0	0	89	0	89	89	\$0.00	\$0.00	\$0.00
Totals	89	0	1,335	0	1,335	1,335	\$331,728	\$0	\$331,728

Impacts and Savings																					
Year	Per Participant										Electric Impacts/Savings										
	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	
1	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	349.18	349.18	343.78	343.78	
2	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
3	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
4	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
5	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
6	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
7	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
8	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
9	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
10	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
11	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
12	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
13	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
14	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
15	3,923	3,923	3,863	3,863	0.000	0.000	22,971.08	22,971.08	349	349	344	344	0	0	2,044.426	2,044.426	0	0	0	0	
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
Totals							344,566	344,566							30,686.394	30,686.394				2,044.426	2,044.426

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Pend Electric	Net Free/Pend Gas	Net Free/Pend Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$1,244.69	\$0.00	\$1,244.69	\$110,777.28	\$0.00	\$110,777.28	\$62,534.60	\$0.00	\$62,534.60
2	\$1,306.92	\$0.00	\$1,306.92	\$116,316.15	\$0.00	\$116,316.15	\$68,073.46	\$0.00	\$68,073.46
3	\$1,372.27	\$0.00	\$1,372.27	\$122,131.96	\$0.00	\$122,131.96	\$73,889.27	\$0.00	\$73,889.27
4	\$1,440.88	\$0.00	\$1,440.88	\$128,238.55	\$0.00	\$128,238.55	\$79,995.87	\$0.00	\$79,995.87
5	\$1,512.93	\$0.00	\$1,512.93	\$134,650.48	\$0.00	\$134,650.48	\$86,407.79	\$0.00	\$86,407.79
6	\$1,589.57	\$0.00	\$1,589.57	\$141,383.00	\$0.00	\$141,383.00	\$93,140.32	\$0.00	\$93,140.32
7	\$1,668.00	\$0.00	\$1,668.00	\$148,452.15	\$0.00	\$148,452.15	\$100,209.47	\$0.00	\$100,209.47
8	\$1,684.68	\$0.00	\$1,684.68	\$149,936.68	\$0.00	\$149,936.68	\$101,693.99	\$0.00	\$101,693.99
9	\$1,701.53	\$0.00	\$1,701.53	\$151,436.04	\$0.00	\$151,436.04	\$103,193.36	\$0.00	\$103,193.36
10	\$1,718.54	\$0.00	\$1,718.54	\$152,950.40	\$0.00	\$152,950.40	\$104,707.72	\$0.00	\$104,707.72
11	\$1,735.73	\$0.00	\$1,735.73	\$154,479.91	\$0.00	\$154,479.91	\$106,237.22	\$0.00	\$106,237.22
12	\$1,753.09	\$0.00	\$1,753.09	\$156,024.71	\$0.00	\$156,024.71	\$107,782.02	\$0.00	\$107,782.02
13	\$1,770.62	\$0.00	\$1,770.62	\$157,584.95	\$0.00	\$157,584.95	\$109,342.27	\$0.00	\$109,342.27
14	\$1,788.32	\$0.00	\$1,788.32	\$159,160.80	\$0.00	\$159,160.80	\$110,918.12	\$0.00	\$110,918.12
15	\$1,806.21	\$0.00	\$1,806.21	\$160,752.41	\$0.00	\$160,752.41	\$112,509.73	\$0.00	\$112,509.73
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$24,092.98	\$0.00	\$24,092.98	\$2,144,275.49	\$0.00	\$2,144,275.49	\$1,420,635.20	\$0.00	\$1,420,635.20

Utility Program Costs											
Year	Administration	Implementation	Overall Costs			Total Costs per kW, kWh, and CCF Saved					
			Energy	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)		
1	\$4,684.78	\$8,320.10	\$149,100.19	\$0.00	\$162,105.07	\$471.54	\$471.54	\$0.08	\$0.08	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$4,684.78	\$8,320.10	\$149,100.19	\$0.00	\$162,105.07	\$471.54	\$471.54	\$0.08	\$0.08	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario											
Year	Cumulative Electric					Cumulative Gas					
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$62,160.25	\$21,756.09	\$36,612.09	\$449.77	\$120,978.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$67,924.62	\$23,773.69	\$37,801.55	\$449.77	\$129,949.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$74,180.94	\$25,963.33	\$39,028.83	\$449.77	\$139,622.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$107,860.37	\$37,751.13	\$40,297.36	\$449.77	\$186,358.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$108,732.57	\$38,056.40	\$41,607.15	\$449.77	\$188,845.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$117,597.39	\$41,159.09	\$42,961.62	\$449.77	\$202,157.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$118,379.81	\$41,432.93	\$44,357.35	\$449.77	\$204,619.86	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$137,109.24	\$47,988.24	\$45,797.77	\$449.77	\$231,345.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$145,407.18	\$50,862.51	\$47,286.32	\$449.77	\$244,035.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$156,716.06	\$54,850.62	\$48,822.99	\$449.77	\$260,839.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$158,580.67	\$55,503.24	\$50,411.24	\$449.77	\$264,944.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$163,581.03	\$57,253.36	\$52,047.61	\$449.77	\$273,331.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$170,842.89	\$59,795.01	\$53,738.98	\$449.77	\$284,826.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$175,968.17	\$61,588.86	\$55,485.36	\$449.77	\$293,492.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$181,247.22	\$63,436.53	\$57,290.18	\$449.77	\$302,423.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,946,288.62	\$681,201.02	\$693,546.41	\$6,746.61	\$3,327,782.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)											
Year	Cumulative Electric					Cumulative Gas					
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Gas Distribution	Gas Fuel	Total
1	\$62,119.33	\$23,775.51	\$36,612.09	\$449.77	\$122,956.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$67,880.11	\$28,793.09	\$37,801.55	\$449.77	\$134,924.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$74,132.11	\$24,404.19	\$39,028.83	\$449.77	\$138,014.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$107,769.36	\$25,596.01	\$40,297.36	\$449.77	\$174,122.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$108,660.99	\$74,805.64	\$41,607.15	\$449.77	\$225,523.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$117,519.98	\$74,805.64	\$42,961.62	\$449.77	\$235,737.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$118,301.88	\$74,805.64	\$44,357.35	\$449.77	\$237,914.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$137,018.99	\$74,805.64	\$45,797.77	\$449.77	\$258,072.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$145,311.46	\$74,805.64	\$47,286.32	\$449.77	\$267,853.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$156,612.90	\$74,805.64	\$48,822.99	\$449.77	\$280,691.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$158,476.28	\$74,805.64	\$50,411.24	\$449.77	\$284,142.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$163,473.35	\$74,805.64	\$52,047.61	\$449.77	\$290,776.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$170,730.42	\$74,805.64	\$53,738.98	\$449.77	\$299,724.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$175,852.34	\$74,805.64	\$55,485.36	\$449.77	\$306,593.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$181,127.91	\$74,805.64	\$57,290.18	\$449.77	\$313,973.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,945,007.41	\$625,420.84	\$693,546.41	\$6,746.61	\$3,570,721.26	\$3,570,721.26	\$0.00	\$0.00	\$3,570,721.26	\$0.00	\$0.00

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	62,119.33	23,775.51	36,612.09	449.77
0.93	62,851.95	26,660.27	35,001.44	416.46
0.86	63,596.33	29,922.66	33,460.93	385.61
0.79	65,066.87	29,311.00	31,989.39	357.04
0.74	79,869.07	54,984.38	30,482.49	330.60
0.68	79,882.12	50,911.46	29,238.96	306.11
0.63	74,590.25	47,140.24	27,952.66	283.43
0.58	79,949.26	43,648.37	26,122.56	262.44
0.54	78,507.26	40,415.16	25,547.33	243.00
0.50	78,345.44	37,421.44	24,423.65	226.00
0.46	73,405.16	34,649.48	23,301.16	208.33
0.43	70,110.92	32,082.86	22,322.33	192.80
0.40	67,799.40	29,706.35	21,340.49	178.61
0.37	64,860.54	27,095.88	20,401.85	165.38
0.34	61,667.00	25,468.41	19,555.08	153.13
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
1.00	1,082,640.74	515,603.47	408,451.35	4,157.82
0.34	34,031.34	16,383.66	11,392.96	108.31

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.88	6.51	8.49	8.79	10.93	23.89
TRC Test	2.57	2.44	3.18	3.29	4.10	8.96
RIM Test	0.79	0.75	0.97	1.00	1.25	2.69
RIM (Net Fuel)	1.03	0.98	1.27	1.31	1.63	3.53
Societal Test	2.57	2.44	3.18	3.29	4.10	8.96
Participant Test	2.51	2.49	2.51	2.51	2.51	2.55

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,724.96	100.00%
Total Cost / kWh Savings	\$0.0068	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$234.58	13.60%
Allocated Costs / kWh Savings	\$0.0059	86.40%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$30,079.38	\$206,928.90	\$176,849.53	6.88	Utility (PAC) Test
\$120,029.38	\$308,998.72	\$188,969.34	2.57	TRC Test
\$263,536.13	\$206,928.90	(\$56,607.22)	0.79	RIM Test
\$201,154.39	\$206,928.90	\$5,774.52		RIM (Net Fuel)
\$120,029.38	\$308,998.72	\$188,969.34	2.57	Societal Test
\$112,000.00	\$281,327.06	\$169,327.06	2.51	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=GHP.xlsx|Financial Reports

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$160,884.46	\$129,787.75	\$173,811.37	\$180,573.12	\$228,209.30	\$516,855.64
Avoided Electric Production Adders	\$0.00	\$45,425.71	\$60,833.98	\$63,200.59	\$79,873.25	\$180,899.47
Avoided Electric Capacity	\$25,322.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40
Avoided Ancillary	\$581.59	\$577.22	\$581.59	\$581.59	\$581.59	\$590.60
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$206,928.90	\$195,931.09	\$255,367.34	\$264,495.72	\$328,804.55	\$718,486.12
Administration Costs	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57
Implementation / Participation Costs	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00
Total	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$241,209.43	\$194,587.03	\$260,590.36	\$270,728.07	\$342,147.61	\$774,906.73
Avoided Electric Production Adders	\$0.00	\$68,105.46	\$91,206.63	\$94,754.83	\$119,751.67	\$271,217.36
Avoided Electric Capacity	\$38,014.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05
Avoided Ancillary	\$809.86	\$803.78	\$809.86	\$809.86	\$809.86	\$822.41
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$308,998.72	\$292,461.32	\$381,571.91	\$395,257.81	\$491,674.20	\$1,075,911.55
Administration Costs	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57
Implementation / Participation Costs	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
10	293,405	17,438	0,000	Generator
	270,989	16,105	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$1,460.57	\$6,568.80	\$0.00	\$22,050.00	\$30,079.38

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$160,884.46	\$129,787.75	\$173,811.37	\$180,573.12	\$228,209.30	\$516,855.64
Avoided Electric Production Adders	\$0.00	\$45,425.71	\$60,833.98	\$63,200.59	\$79,873.25	\$180,899.47
Avoided Electric Capacity	\$25,322.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40	\$20,140.40
Avoided Ancillary	\$581.59	\$577.22	\$581.59	\$581.59	\$581.59	\$590.60
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$206,928.90	\$195,931.09	\$255,367.34	\$264,495.72	\$328,804.55	\$718,486.12
Administration Costs	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57
Implementation / Participation Costs	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00
Total	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38	\$30,079.38
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$233,456.75	\$231,692.56	\$233,456.75	\$233,456.75	\$233,456.75	\$236,936.34
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$233,456.75	\$231,692.56	\$233,456.75	\$233,456.75	\$233,456.75	\$236,936.34
Net Fuel Lost Revenue (Electric)	\$171,075.01	\$169,771.02	\$171,075.01	\$171,075.01	\$171,075.01	\$173,588.14
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$171,075.01	\$169,771.02	\$171,075.01	\$171,075.01	\$171,075.01	\$173,588.14
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$241,209.43	\$194,587.03	\$260,590.36	\$270,728.07	\$342,147.61	\$774,906.73
Avoided Electric Production Adders	\$0.00	\$68,105.46	\$91,206.63	\$94,754.83	\$119,751.67	\$271,217.36
Avoided Electric Capacity	\$38,014.37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05	\$28,965.05
Avoided Ancillary	\$809.86	\$803.78	\$809.86	\$809.86	\$809.86	\$822.41
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$308,998.72	\$292,461.32	\$381,571.91	\$395,257.81	\$491,674.20	\$1,075,911.55
Administration Costs	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57	\$1,460.57
Implementation / Participation Costs	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80	\$6,568.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38	\$8,029.38
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00	\$22,050.00
Participant Costs (gross)	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00	\$112,000.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$259,277.06	\$257,317.76	\$259,277.06	\$259,277.06	\$259,277.06	\$263,141.50
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$259,277.06	\$257,317.76	\$259,277.06	\$259,277.06	\$259,277.06	\$263,141.50

Participation and Total Participant Costs									
Year	Participation					Total Participant Costs			
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	10	0	10	0	10	10	\$112,000.00	\$0.00	\$112,000.00
2	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
3	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
4	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
5	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
6	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
7	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
8	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
9	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
10	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
11	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
12	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
13	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
14	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
15	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
16	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
17	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
18	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
19	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
20	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
21	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
22	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
23	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
24	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
25	0	0	10	0	10	10	\$0.00	\$0.00	\$0.00
Totals	10	0	150	0	150	150	\$112,000	\$0	\$112,000

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	24.41	24.41	17.44	17.44	0.00	0.00	293,405.34	293,405.34
2	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
3	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
4	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
5	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
6	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
7	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
8	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
9	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
10	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
11	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
12	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
13	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
14	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
15	2.441	2.441	1.744	1.744	0.000	0.000	29,340.53	29,340.53	24	24	17	17	0	0	293,405	293,405	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							440,108	440,108					4,401,080	4,401,080									293,405	293,405

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Free/Persist Electric	Net Fuel Free/Persist Gas	Net Fuel Free/Persist Total
1	\$2,087.64	\$0.00	\$2,087.64	\$20,876.42	\$0.00	\$20,876.42	\$13,952.88	\$0.00	\$13,952.88
2	\$2,192.02	\$0.00	\$2,192.02	\$21,920.24	\$0.00	\$21,920.24	\$14,996.70	\$0.00	\$14,996.70
3	\$2,301.62	\$0.00	\$2,301.62	\$23,916.25	\$0.00	\$23,916.25	\$16,092.71	\$0.00	\$16,092.71
4	\$2,416.71	\$0.00	\$2,416.71	\$24,167.06	\$0.00	\$24,167.06	\$17,243.52	\$0.00	\$17,243.52
5	\$2,537.54	\$0.00	\$2,537.54	\$25,375.41	\$0.00	\$25,375.41	\$18,451.88	\$0.00	\$18,451.88
6	\$2,664.42	\$0.00	\$2,664.42	\$26,644.18	\$0.00	\$26,644.18	\$19,720.65	\$0.00	\$19,720.65
7	\$2,797.64	\$0.00	\$2,797.64	\$27,976.39	\$0.00	\$27,976.39	\$21,052.86	\$0.00	\$21,052.86
8	\$2,825.62	\$0.00	\$2,825.62	\$28,256.16	\$0.00	\$28,256.16	\$21,332.62	\$0.00	\$21,332.62
9	\$2,853.87	\$0.00	\$2,853.87	\$28,538.72	\$0.00	\$28,538.72	\$21,615.18	\$0.00	\$21,615.18
10	\$2,882.41	\$0.00	\$2,882.41	\$28,824.11	\$0.00	\$28,824.11	\$21,900.57	\$0.00	\$21,900.57
11	\$2,911.23	\$0.00	\$2,911.23	\$29,112.35	\$0.00	\$29,112.35	\$22,188.81	\$0.00	\$22,188.81
12	\$2,940.35	\$0.00	\$2,940.35	\$29,403.47	\$0.00	\$29,403.47	\$22,479.93	\$0.00	\$22,479.93
13	\$2,969.75	\$0.00	\$2,969.75	\$29,697.51	\$0.00	\$29,697.51	\$22,773.97	\$0.00	\$22,773.97
14	\$2,999.45	\$0.00	\$2,999.45	\$29,994.48	\$0.00	\$29,994.48	\$23,070.94	\$0.00	\$23,070.94
15	\$3,029.44	\$0.00	\$3,029.44	\$30,294.43	\$0.00	\$30,294.43	\$23,370.89	\$0.00	\$23,370.89
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$40,409.72	\$0.00	\$40,409.72	\$404,097.17	\$0.00	\$404,097.17	\$300,244.11	\$0.00	\$300,244.11

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)	\$/CCF (net)		
1	\$1,460.57	\$6,568.80	\$22,050.00	\$0.00	\$30,079.38	\$1,724.96	\$1,724.96	\$0.10	\$0.10	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,460.57	\$6,568.80	\$22,050.00	\$0.00	\$30,079.38	\$1,724.96	\$1,724.96	\$0.10	\$0.10	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario									
Year	Cumulative Electric				Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Total
1	\$10,293.59	\$3,602.76	\$1,857.11	\$64.55	\$15,818.01	\$0.00	\$0.00	\$0.00	\$0.00
2	\$11,248.19	\$3,936.87	\$1,917.45	\$64.55	\$17,167.06	\$0.00	\$0.00	\$0.00	\$0.00
3	\$12,284.19	\$4,299.47	\$1,979.70	\$64.55	\$18,627.91	\$0.00	\$0.00	\$0.00	\$0.00
4	\$17,881.43	\$6,251.50	\$2,044.04	\$64.55	\$26,221.52	\$0.00	\$0.00	\$0.00	\$0.00
5	\$18,005.86	\$6,302.05	\$2,110.48	\$64.55	\$26,482.94	\$0.00	\$0.00	\$0.00	\$0.00
6	\$19,473.85	\$6,815.85	\$2,179.19	\$64.55	\$28,533.44	\$0.00	\$0.00	\$0.00	\$0.00
7	\$19,603.42	\$6,861.20	\$2,249.98	\$64.55	\$28,779.15	\$0.00	\$0.00	\$0.00	\$0.00
8	\$22,704.97	\$7,946.74	\$2,323.05	\$64.55	\$33,039.31	\$0.00	\$0.00	\$0.00	\$0.00
9	\$24,079.09	\$8,427.66	\$2,398.55	\$64.55	\$34,969.87	\$0.00	\$0.00	\$0.00	\$0.00
10	\$25,951.81	\$9,053.13	\$2,476.50	\$64.55	\$37,576.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$26,260.59	\$9,191.21	\$2,557.06	\$64.55	\$38,073.41	\$0.00	\$0.00	\$0.00	\$0.00
12	\$27,088.64	\$9,481.02	\$2,640.06	\$64.55	\$39,274.27	\$0.00	\$0.00	\$0.00	\$0.00
13	\$28,291.18	\$9,991.91	\$2,725.86	\$64.55	\$40,893.50	\$0.00	\$0.00	\$0.00	\$0.00
14	\$28,139.92	\$10,198.87	\$2,814.44	\$64.55	\$42,217.88	\$0.00	\$0.00	\$0.00	\$0.00
15	\$30,014.12	\$10,504.94	\$2,905.99	\$64.55	\$43,489.60	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$322,300.85	\$112,805.30	\$35,179.47	\$968.24	\$471,253.86	\$0.00	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)									
Year	Cumulative Electric				Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Total
1	\$0,528.03	\$1,205.99	\$1,857.11	\$64.55	\$12,855.68	\$0.00	\$0.00	\$0.00	\$0.00
2	\$10,411.63	\$1,460.50	\$1,917.45	\$64.55	\$13,854.13	\$0.00	\$0.00	\$0.00	\$0.00
3	\$11,370.58	\$1,237.88	\$1,979.70	\$64.55	\$14,652.70	\$0.00	\$0.00	\$0.00	\$0.00
4	\$16,533.01	\$1,297.83	\$2,044.04	\$64.55	\$19,939.43	\$0.00	\$0.00	\$0.00	\$0.00
5	\$16,666.71	\$3,794.44	\$2,110.48	\$64.55	\$22,636.18	\$0.00	\$0.00	\$0.00	\$0.00
6	\$18,025.52	\$3,794.44	\$2,179.19	\$64.55	\$24,063.70	\$0.00	\$0.00	\$0.00	\$0.00
7	\$18,145.45	\$3,794.44	\$2,249.98	\$64.55	\$24,254.43	\$0.00	\$0.00	\$0.00	\$0.00
8	\$21,016.33	\$3,794.44	\$2,323.05	\$64.55	\$27,198.37	\$0.00	\$0.00	\$0.00	\$0.00
9	\$22,288.25	\$3,794.44	\$2,398.55	\$64.55	\$28,545.80	\$0.00	\$0.00	\$0.00	\$0.00
10	\$24,021.70	\$3,794.44	\$2,476.50	\$64.55	\$30,357.19	\$0.00	\$0.00	\$0.00	\$0.00
11	\$24,307.51	\$3,794.44	\$2,557.06	\$64.55	\$30,723.56	\$0.00	\$0.00	\$0.00	\$0.00
12	\$25,073.97	\$3,794.44	\$2,640.06	\$64.55	\$31,573.03	\$0.00	\$0.00	\$0.00	\$0.00
13	\$26,187.08	\$3,794.44	\$2,725.86	\$64.55	\$32,771.93	\$0.00	\$0.00	\$0.00	\$0.00
14	\$26,972.69	\$3,794.44	\$2,814.44	\$64.55	\$33,646.13	\$0.00	\$0.00	\$0.00	\$0.00
15	\$27,781.87	\$3,794.44	\$2,905.99	\$64.55	\$34,546.85	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$298,330.31	\$46,841.08	\$35,179.47	\$968.24	\$381,418.11	\$381,418.11	\$0.00	\$0.00	\$0.00

Cost Based NPV				
Year	Energy	Capacity	T&D	Auxiliary
1.00	9,528.03	1,205.99	1,857.11	64.55
0.93	9,640.40	1,352.32	1,775.41	59.77
0.86	9,748.44	1,061.28	1,697.27	55.34
0.79	13,124.44	1,000.26	1,622.63	51.24
0.74	12,250.53	2,789.03	1,561.27	47.45
0.68	12,267.87	2,682.43	1,483.12	43.93
0.63	11,434.71	2,391.14	1,417.87	40.88
0.58	12,262.83	2,214.02	1,355.48	37.65
0.54	12,041.65	2,050.02	1,295.86	34.87
0.50	12,016.83	1,898.17	1,238.87	32.29
0.46	11,259.08	1,737.56	1,184.41	29.80
0.43	10,753.80	1,627.37	1,132.28	27.68
0.40	10,399.25	1,606.83	1,082.48	25.63
0.37	9,917.80	1,395.21	1,034.86	23.73
0.34	9,498.64	1,291.86	989.38	21.98
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
166,104.28	26,153.49	20,718.30	596.71	
5,219.82	831.05	577.90	15.11	

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.21	4.97	5.50	5.55	6.07	9.46
TRC Test	7.87	4.74	5.26	5.31	5.82	9.17
RIM Test	2.79	1.72	1.87	1.89	2.06	3.15
RIM (Net Fuel)	3.58	2.20	2.39	2.42	2.64	4.05
Societal Test	7.87	4.74	5.26	5.31	5.82	9.17
Participant Test	2.39	2.34	2.39	2.39	2.39	2.45

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$410.63	100.00%
Total Cost / kWh Savings	\$0.0187	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$269.39	65.60%
Allocated Costs / kWh Savings	\$0.0064	34.40%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$16,808.27	\$138,022.32	\$121,214.05	8.21	Utility (PAC) Test
\$28,942.27	\$227,897.55	\$198,955.28	7.87	TRC Test
\$49,458.74	\$138,022.32	\$88,563.58	2.79	RIM Test
\$38,592.09	\$138,022.32	\$99,430.23		RIM (Net Fuel)
\$28,942.27	\$227,897.55	\$198,955.28	7.87	Societal Test
\$18,263.00	\$43,691.29	\$25,428.29	2.39	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=GRT.xlsx|Financial Reports

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$28,642.73	\$21,383.15	\$27,906.99	\$28,565.61	\$34,977.34	\$77,225.73
Avoided Electric Production Adders	\$0.00	\$7,484.10	\$9,767.45	\$9,997.97	\$12,242.07	\$27,029.01
Avoided Electric Capacity	\$54,630.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70
Avoided Ancillary	\$101.31	\$98.94	\$101.31	\$101.31	\$101.31	\$104.32
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$138,022.32	\$83,613.90	\$92,423.45	\$93,312.59	\$101,968.42	\$159,006.77
Administration Costs	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93
Implementation / Participation Costs	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00
Total	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$48,675.65	\$36,338.67	\$47,425.33	\$48,544.60	\$59,440.73	\$131,237.94
Avoided Electric Production Adders	\$0.00	\$12,718.54	\$16,598.86	\$16,990.61	\$20,804.26	\$45,933.28
Avoided Electric Capacity	\$90,991.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64
Avoided Ancillary	\$155.29	\$151.65	\$155.29	\$155.29	\$155.29	\$159.90
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$227,897.55	\$137,283.50	\$152,254.12	\$153,765.14	\$168,474.91	\$265,405.76
Administration Costs	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93
Implementation / Participation Costs	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
2	44,850	31,655	9,279	Generator
	41,423	29,236	8,570	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$2,555.93	\$8,123.34	\$0.00	\$6,129.00	\$16,808.27

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Cratree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$28,642.73	\$21,383.15	\$27,906.99	\$28,565.61	\$34,977.34	\$77,225.73
Avoided Electric Production Adders	\$0.00	\$7,484.10	\$9,767.45	\$9,997.97	\$12,242.07	\$27,029.01
Avoided Electric Capacity	\$54,630.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70	\$54,647.70
Avoided Ancillary	\$101.31	\$98.94	\$101.31	\$101.31	\$101.31	\$104.32
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$138,022.32	\$83,613.90	\$92,423.45	\$93,312.59	\$101,968.42	\$159,006.77
Administration Costs	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93
Implementation / Participation Costs	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00
Total	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27	\$16,808.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$32,650.47	\$31,885.95	\$32,650.47	\$32,650.47	\$32,650.47	\$33,620.92
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$32,650.47	\$31,885.95	\$32,650.47	\$32,650.47	\$32,650.47	\$33,620.92
Net Fuel Lost Revenue (Electric)	\$21,783.82	\$21,273.75	\$21,783.82	\$21,783.82	\$21,783.82	\$22,431.29
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$21,783.82	\$21,273.75	\$21,783.82	\$21,783.82	\$21,783.82	\$22,431.29
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$48,675.65	\$36,338.67	\$47,425.33	\$48,544.60	\$59,440.73	\$131,237.94
Avoided Electric Production Adders	\$0.00	\$12,718.54	\$16,598.86	\$16,990.61	\$20,804.26	\$45,933.28
Avoided Electric Capacity	\$90,991.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64	\$88,074.64
Avoided Ancillary	\$155.29	\$151.65	\$155.29	\$155.29	\$155.29	\$159.90
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$227,897.55	\$137,283.50	\$152,254.12	\$153,765.14	\$168,474.91	\$265,405.76
Administration Costs	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93	\$2,555.93
Implementation / Participation Costs	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34	\$8,123.34
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27	\$10,679.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00	\$6,129.00
Participant Costs (gross)	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00	\$18,263.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$37,562.29	\$36,682.75	\$37,562.29	\$37,562.29	\$37,562.29	\$38,678.73
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$37,562.29	\$36,682.75	\$37,562.29	\$37,562.29	\$37,562.29	\$38,678.73

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free riders)	One-Time Investment	Annual Investment	Total Costs
1	2	0	2	0	2	2	\$18,263.00	\$0.00	\$18,263.00
2	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
3	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
4	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
5	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
6	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
7	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
8	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
9	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
10	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
11	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
12	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
13	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
14	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
15	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
16	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
17	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
18	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
19	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
20	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	2	0	40	0	40	40	\$18,263	\$0	\$18,263

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	14.17	14.17	31.65	31.65	9.28	9.28	44,849.90	44,849.90
2	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
3	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
4	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
5	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
6	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
7	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
8	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
9	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
10	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
11	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
12	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
13	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
14	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
15	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
16	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
17	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
18	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
19	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
20	7.085	7.085	15.827	15.827	4.639	4.639	22,424.95	22,424.95	14	14	32	32	9	9	44,850	44,850	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							448,499	448,499							896,998	896,998							44,850	44,850

Lost Revenue Dollars												
Year	Per Participant			Cumulative			Cumulative (Net Fuel)			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Participant Electric	Net Free/Participant Gas	Net Free/Participant Total	Net Fuel Net Free/Participant Electric	Net Fuel Net Free/Participant Gas	Net Fuel Net Free/Participant Total	Net Fuel Net Free/Participant Electric	Net Fuel Net Free/Participant Gas	Net Fuel Net Free/Participant Total
1	\$1,250.00	\$0.00	\$1,250.00	\$2,499.99	\$0.00	\$2,499.99	\$1,441.66	\$0.00	\$1,441.66	\$0.00	\$0.00	\$1,441.66
2	\$1,312.50	\$0.00	\$1,312.50	\$2,624.99	\$0.00	\$2,624.99	\$1,566.86	\$0.00	\$1,566.86	\$0.00	\$0.00	\$1,566.86
3	\$1,375.12	\$0.00	\$1,375.12	\$2,750.24	\$0.00	\$2,750.24	\$1,691.91	\$0.00	\$1,691.91	\$0.00	\$0.00	\$1,691.91
4	\$1,447.03	\$0.00	\$1,447.03	\$2,894.06	\$0.00	\$2,894.06	\$1,835.72	\$0.00	\$1,835.72	\$0.00	\$0.00	\$1,835.72
5	\$1,519.38	\$0.00	\$1,519.38	\$3,038.76	\$0.00	\$3,038.76	\$1,980.43	\$0.00	\$1,980.43	\$0.00	\$0.00	\$1,980.43
6	\$1,595.35	\$0.00	\$1,595.35	\$3,190.70	\$0.00	\$3,190.70	\$2,132.37	\$0.00	\$2,132.37	\$0.00	\$0.00	\$2,132.37
7	\$1,675.12	\$0.00	\$1,675.12	\$3,350.23	\$0.00	\$3,350.23	\$2,291.90	\$0.00	\$2,291.90	\$0.00	\$0.00	\$2,291.90
8	\$1,691.87	\$0.00	\$1,691.87	\$3,383.73	\$0.00	\$3,383.73	\$2,325.40	\$0.00	\$2,325.40	\$0.00	\$0.00	\$2,325.40
9	\$1,708.79	\$0.00	\$1,708.79	\$3,417.57	\$0.00	\$3,417.57	\$2,359.24	\$0.00	\$2,359.24	\$0.00	\$0.00	\$2,359.24
10	\$1,725.87	\$0.00	\$1,725.87	\$3,451.75	\$0.00	\$3,451.75	\$2,393.42	\$0.00	\$2,393.42	\$0.00	\$0.00	\$2,393.42
11	\$1,743.13	\$0.00	\$1,743.13	\$3,486.26	\$0.00	\$3,486.26	\$2,427.93	\$0.00	\$2,427.93	\$0.00	\$0.00	\$2,427.93
12	\$1,760.56	\$0.00	\$1,760.56	\$3,521.13	\$0.00	\$3,521.13	\$2,462.80	\$0.00	\$2,462.80	\$0.00	\$0.00	\$2,462.80
13	\$1,778.17	\$0.00	\$1,778.17	\$3,556.34	\$0.00	\$3,556.34	\$2,498.01	\$0.00	\$2,498.01	\$0.00	\$0.00	\$2,498.01
14	\$1,795.95	\$0.00	\$1,795.95	\$3,591.90	\$0.00	\$3,591.90	\$2,533.57	\$0.00	\$2,533.57	\$0.00	\$0.00	\$2,533.57
15	\$1,813.91	\$0.00	\$1,813.91	\$3,627.82	\$0.00	\$3,627.82	\$2,569.49	\$0.00	\$2,569.49	\$0.00	\$0.00	\$2,569.49
16	\$1,832.05	\$0.00	\$1,832.05	\$3,664.10	\$0.00	\$3,664.10	\$2,605.77	\$0.00	\$2,605.77	\$0.00	\$0.00	\$2,605.77
17	\$1,850.37	\$0.00	\$1,850.37	\$3,700.74	\$0.00	\$3,700.74	\$2,642.41	\$0.00	\$2,642.41	\$0.00	\$0.00	\$2,642.41
18	\$1,868.87	\$0.00	\$1,868.87	\$3,737.75	\$0.00	\$3,737.75	\$2,679.42	\$0.00	\$2,679.42	\$0.00	\$0.00	\$2,679.42
19	\$1,887.56	\$0.00	\$1,887.56	\$3,775.12	\$0.00	\$3,775.12	\$2,716.79	\$0.00	\$2,716.79	\$0.00	\$0.00	\$2,716.79
20	\$1,906.44	\$0.00	\$1,906.44	\$3,812.88	\$0.00	\$3,812.88	\$2,754.54	\$0.00	\$2,754.54	\$0.00	\$0.00	\$2,754.54
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$33,541.03	\$0.00	\$33,541.03	\$67,082.06	\$0.00	\$67,082.06	\$45,915.45	\$0.00	\$45,915.45	\$0.00	\$0.00	\$45,915.45

Utility Program Costs											
Year	Administration	Implementation	Overall Costs			Total Costs per kW, kWh, and CCF Saved					
			Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$2,555.93	\$8,123.34	\$6,129.00	\$0.00	\$16,808.27	\$410.63	\$410.63	\$0.37	\$0.37	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,555.93	\$8,123.34	\$6,129.00	\$0.00	\$16,808.27	\$410.63	\$410.63	\$0.37	\$0.37	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario											
Year	Cumulative Electric				Cumulative Gas						
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total			
1	\$1,336.76	\$467.86	\$4,243.85	\$9.87	\$6,058.33	\$0.00	\$0.00	\$0.00			
2	\$1,460.72	\$511.25	\$4,391.72	\$9.87	\$6,363.57	\$0.00	\$0.00	\$0.00			
3	\$1,595.26	\$558.34	\$4,523.98	\$9.87	\$6,687.45	\$0.00	\$0.00	\$0.00			
4	\$2,319.54	\$811.84	\$4,671.02	\$9.87	\$7,812.26	\$0.00	\$0.00	\$0.00			
5	\$2,338.29	\$818.40	\$4,822.84	\$9.87	\$7,989.41	\$0.00	\$0.00	\$0.00			
6	\$2,528.63	\$985.13	\$4,979.65	\$9.87	\$8,493.77	\$0.00	\$0.00	\$0.00			
7	\$2,545.76	\$991.02	\$5,141.63	\$9.87	\$8,688.27	\$0.00	\$0.00	\$0.00			
8	\$2,948.53	\$1,031.99	\$5,308.59	\$9.87	\$9,298.98	\$0.00	\$0.00	\$0.00			
9	\$3,128.98	\$1,094.44	\$5,481.14	\$9.87	\$9,712.43	\$0.00	\$0.00	\$0.00			
10	\$3,370.18	\$1,179.56	\$5,659.26	\$9.87	\$10,218.87	\$0.00	\$0.00	\$0.00			
11	\$3,410.28	\$1,193.60	\$5,843.36	\$9.87	\$10,457.10	\$0.00	\$0.00	\$0.00			
12	\$3,517.81	\$1,231.23	\$6,033.04	\$9.87	\$10,791.95	\$0.00	\$0.00	\$0.00			
13	\$3,673.98	\$1,285.89	\$6,229.09	\$9.87	\$11,198.83	\$0.00	\$0.00	\$0.00			
14	\$3,784.20	\$1,324.47	\$6,431.52	\$9.87	\$11,550.05	\$0.00	\$0.00	\$0.00			
15	\$3,897.72	\$1,364.20	\$6,640.72	\$9.87	\$11,912.52	\$0.00	\$0.00	\$0.00			
16	\$4,014.65	\$1,405.13	\$6,856.70	\$9.87	\$12,286.35	\$0.00	\$0.00	\$0.00			
17	\$4,135.09	\$1,447.28	\$6,856.70	\$9.87	\$12,448.94	\$0.00	\$0.00	\$0.00			
18	\$4,259.15	\$1,490.70	\$6,856.70	\$9.87	\$12,616.42	\$0.00	\$0.00	\$0.00			
19	\$4,386.92	\$1,535.42	\$6,856.70	\$9.87	\$12,788.91	\$0.00	\$0.00	\$0.00			
20	\$4,518.53	\$1,581.48	\$6,856.70	\$9.87	\$12,966.58	\$0.00	\$0.00	\$0.00			
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
Totals	\$63,169.28	\$22,109.25	\$114,675.12	\$197.34	\$200,150.99	\$0.00	\$0.00	\$0.00			

Cost-Based Avoided Costs (Net Free Riders/Persistence)													
Year	Cumulative Electric				Cumulative Gas								
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total					
1	\$1,372.00	\$2,189.24	\$4,243.85	\$9.87	\$7,814.95	\$0.00	\$0.00	\$0.00	1.00	1,372.00	2,189.24	4,243.85	9.87
2	\$1,499.23	\$2,651.26	\$4,381.72	\$9.87	\$8,542.08	\$0.00	\$0.00	\$0.00	0.93	1,388.18	2,454.87	4,057.15	9.14
3	\$1,637.32	\$2,247.13	\$4,523.98	\$9.87	\$8,418.30	\$0.00	\$0.00	\$0.00	0.86	1,403.74	1,926.55	3,878.58	8.46
4	\$2,380.69	\$2,355.95	\$4,671.02	\$9.87	\$9,417.53	\$0.00	\$0.00	\$0.00	0.79	1,899.87	1,870.23	3,768.01	7.83
5	\$2,399.94	\$6,888.08	\$4,822.84	\$9.87	\$14,120.73	\$0.00	\$0.00	\$0.00	0.74	1,764.03	5,002.94	3,544.93	7.25
6	\$2,595.60	\$6,888.08	\$4,979.85	\$9.87	\$14,473.39	\$0.00	\$0.00	\$0.00	0.68	1,766.52	4,687.91	3,389.20	6.72
7	\$2,612.87	\$6,888.08	\$5,141.63	\$9.87	\$14,652.45	\$0.00	\$0.00	\$0.00	0.63	1,646.55	4,340.66	3,240.10	6.22
8	\$3,026.27	\$6,888.08	\$5,308.59	\$9.87	\$15,232.81	\$0.00	\$0.00	\$0.00	0.58	1,765.80	4,016.13	3,007.51	5.76
9	\$3,209.42	\$6,888.08	\$5,481.14	\$9.87	\$15,588.50	\$0.00	\$0.00	\$0.00	0.54	1,733.95	3,721.41	2,961.29	5.33
10	\$3,459.03	\$6,888.08	\$5,659.26	\$9.87	\$16,016.23	\$0.00	\$0.00	\$0.00	0.50	1,730.38	3,445.75	2,831.04	4.94
11	\$3,500.19	\$6,888.08	\$5,843.36	\$9.87	\$16,241.49	\$0.00	\$0.00	\$0.00	0.46	1,621.26	3,190.51	2,768.61	4.57
12	\$3,610.55	\$6,888.08	\$6,033.04	\$9.87	\$16,541.53	\$0.00	\$0.00	\$0.00	0.43	1,548.50	2,954.18	2,687.47	4.23
13	\$3,770.84	\$6,888.08	\$6,229.09	\$9.87	\$16,897.87	\$0.00	\$0.00	\$0.00	0.40	1,497.45	2,735.35	2,473.66	3.92
14	\$3,883.96	\$6,888.08	\$6,431.52	\$9.87	\$17,213.42	\$0.00	\$0.00	\$0.00	0.37	1,428.12	2,532.73	2,364.86	3.63
15	\$4,000.48	\$6,888.08	\$6,640.72	\$9.87	\$17,539.15	\$0.00	\$0.00	\$0.00	0.34	1,362.01	2,345.12	2,260.91	3.36
16	\$4,120.50	\$6,888.08	\$6,856.70	\$9.87	\$17,875.14	\$0.00	\$0.00	\$0.00	0.32	1,298.95	2,171.41	2,161.82	3.11
17	\$4,244.11	\$6,888.08	\$6,856.70	\$9.87	\$17,998.75	\$0.00	\$0.00	\$0.00	0.29	1,238.82	2,001.41	2,001.41	2.88
18	\$4,371.43	\$6,888.08	\$6,856.70	\$9.87	\$18,126.08	\$0.00	\$0.00	\$0.00	0.27	1,181.63	1,853.15	1,853.15	2.67
19	\$4,502.58	\$6,888.08	\$6,856.70	\$9.87	\$18,257.22	\$0.00	\$0.00	\$0.00	0.25	1,123.73	1,715.88	1,715.88	2.47
20	\$4,637.65	\$6,888.08	\$6,856.70	\$9.87	\$18,392.30	\$0.00	\$0.00	\$0.00	0.23				
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
Totals	\$64,534.67	\$119,692.78	\$114,675.12	\$197.34	\$299,359.91	\$299,359.91	\$0.00	\$0.00		30,041.50	55,218.43	55,077.12	102.34

Cost Based NPV				
Year	Energy	Capacity	T&D	Auxiliary
1	\$1,372.00	\$2,189.24	\$4,243.85	\$9.87
2	\$1,388.18	2,454.87	4,057.15	9.14
3	\$1,403.74	1,926.55	3,878.58	8.46
4	\$1,899.87	1,870.23	3,768.01	7.83
5	\$1,764.03	5,002.94	3,544.93	7.25
6	\$1,766.52	4,687.91	3,389.20	6.72
7	\$1,646.55	4,340.66	3,240.10	6.22
8	\$1,765.80	4,016.13	3,007.51	5.76
9	\$1,733.95	3,721.41	2,961.29	5.33
10	\$1,730.38	3,445.75	2,831.04	4.94
11	\$1,621.26	3,190.51	2,768.61	4.57
12	\$1,548.50	2,954.18	2,687.47	4.23
13	\$1,497.45	2,735.35	2,473.66	3.92
14	\$1,428.12	2,532.73	2,364.86	3.63
15	\$1,362.01	2,345.12	2,260.91	3.36
16	\$1,298.95	2,171.41	2,161.82	3.11
17	\$1,238.82	2,001.41	2,001.41	2.88
18	\$1,181.63	1,853.15	1,853.15	2.67
19	\$1,123.73	1,715.88	1,715.88	2.47
20				
21				
22				
23				
24				
25				
Totals	1,388.77	57,875	429.41	1.03

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.64	7.64	9.56	9.85	11.93	24.48
TRC Test	5.44	4.31	5.40	5.57	6.75	13.92
RIM Test	1.10	0.87	1.09	1.12	1.36	2.75
RIM (Net Fuel)	1.43	1.14	1.41	1.46	1.76	3.58
Societal Test	5.44	4.31	5.40	5.57	6.75	13.92
Participant Test	4.22	4.19	4.22	4.22	4.22	4.28

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$539.59	100.00%
Total Cost / kWh Savings	\$0.0071	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$173.50	32.15%
Allocated Costs / kWh Savings	\$0.0048	67.85%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$61,631.87	\$594,089.52	\$532,457.65	9.64	Utility (PAC) Test
\$160,048.70	\$870,925.50	\$710,876.79	5.44	TRC Test
\$542,285.76	\$594,089.52	\$51,803.76	1.10	RIM Test
\$416,807.22	\$594,089.52	\$177,282.30		RIM (Net Fuel)
\$160,048.70	\$870,925.50	\$710,876.79	5.44	Societal Test
\$135,243.00	\$570,640.37	\$435,397.37	4.22	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=COMM-EEP - Tech=LTG.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$319,438.85	\$257,695.64	\$345,105.22	\$358,530.80	\$453,113.18	\$1,026,225.06
Avoided Electric Production Adders	\$0.00	\$90,193.47	\$120,786.83	\$125,485.78	\$158,589.61	\$359,178.77
Avoided Electric Capacity	\$151,383.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14
Avoided Ancillary	\$1,169.86	\$1,161.06	\$1,169.86	\$1,169.86	\$1,169.86	\$1,187.98
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$594,089.52	\$471,147.32	\$589,159.05	\$607,283.58	\$734,969.80	\$1,508,688.96
Administration Costs	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17
Implementation / Participation Costs	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17
Total	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$473,789.77	\$382,212.85	\$511,858.30	\$531,771.05	\$672,055.15	\$1,522,091.75
Avoided Electric Production Adders	\$0.00	\$133,774.50	\$179,150.40	\$186,119.87	\$235,219.30	\$532,732.11
Avoided Electric Capacity	\$223,423.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97
Avoided Ancillary	\$1,612.28	\$1,600.16	\$1,612.28	\$1,612.28	\$1,612.28	\$1,637.26
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$870,925.50	\$689,687.49	\$864,720.96	\$891,603.17	\$1,080,986.71	\$2,228,561.10
Administration Costs	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17
Implementation / Participation Costs	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
18	612,272	114,219	0.000	Generator
	565,494	105,493	0.000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$7,042.17	\$17,763.53	\$0.00	\$36,826.17	\$61,631.87

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$319,438.65	\$257,695.64	\$345,105.22	\$358,530.80	\$453,113.18	\$1,026,225.06
Avoided Electric Production Adders	\$0.00	\$90,193.47	\$120,786.83	\$125,485.78	\$158,589.61	\$359,178.77
Avoided Electric Capacity	\$151,383.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14	\$122,097.14
Avoided Ancillary	\$1,169.86	\$1,161.06	\$1,169.86	\$1,169.86	\$1,169.86	\$1,187.98
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$594,089.52	\$471,147.32	\$589,159.05	\$607,283.58	\$734,969.80	\$1,508,688.96
Administration Costs	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17
Implementation / Participation Costs	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17
Total	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87	\$61,631.87
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$480,653.89	\$477,121.48	\$480,653.89	\$480,653.89	\$480,653.89	\$487,621.02
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$480,653.89	\$477,121.48	\$480,653.89	\$480,653.89	\$480,653.89	\$487,621.02
Net Fuel Lost Revenue (Electric)	\$355,175.35	\$352,568.61	\$355,175.35	\$355,175.35	\$355,175.35	\$360,198.49
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$355,175.35	\$352,568.61	\$355,175.35	\$355,175.35	\$355,175.35	\$360,198.49
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test						
Avoided Electric Production	\$473,789.77	\$382,212.85	\$511,858.30	\$531,771.05	\$672,055.15	\$1,522,091.75
Avoided Electric Production Adders	\$0.00	\$133,774.50	\$179,150.40	\$186,119.87	\$235,219.30	\$532,732.11
Avoided Electric Capacity	\$223,423.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97	\$172,099.97
Avoided Ancillary	\$1,612.28	\$1,600.16	\$1,612.28	\$1,612.28	\$1,612.28	\$1,637.26
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$870,925.50	\$689,687.49	\$864,720.96	\$891,603.17	\$1,080,986.71	\$2,228,561.10
Administration Costs	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17	\$7,042.17
Implementation / Participation Costs	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53	\$17,763.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70	\$24,805.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17	\$36,826.17
Participant Costs (gross)	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00	\$135,243.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$533,814.20	\$529,891.11	\$533,814.20	\$533,814.20	\$533,814.20	\$541,551.90
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$533,814.20	\$529,891.11	\$533,814.20	\$533,814.20	\$533,814.20	\$541,551.90

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	18	0	18	0	18	18	\$135,243.00	\$0.00	\$135,243.00
2	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00
3	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00
4	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00
5	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00
6	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
7	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
8	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
9	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
10	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
11	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
12	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00
13	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00
14	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00
15	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	18	0	229	0	229	229	\$135,243	\$0	\$135,243

Impacts and Savings																								
Year	Per Participant												Electric Impacts/Savings											
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)		
1	6.617	6.617	6.345	6.345	0.000	0.000	34,015.09	34,015.09	119	119	114	114	0	0	612,272	612,272	119.11	119.11	114.22	114.22	0.00	0.00	612,271.69	612,271.69
2	6.617	6.617	6.345	6.345	0.000	0.000	34,015.09	34,015.09	119	119	114	114	0	0	612,272	612,272	0	0	0	0	0	0	0	0
3	6.617	6.617	6.345	6.345	0.000	0.000	34,015.09	34,015.09	119	119	114	114	0	0	612,272	612,272	0	0	0	0	0	0	0	0
4	6.617	6.617	6.345	6.345	0.000	0.000	34,015.09	34,015.09	119	119	114	114	0	0	612,272	612,272	0	0	0	0	0	0	0	0
5	6.617	6.617	6.345	6.345	0.000	0.000	34,015.09	34,015.09	119	119	114	114	0	0	612,272	612,272	0	0	0	0	0	0	0	0
6	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
7	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
8	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
9	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
10	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
11	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
12	6.802	6.802	6.523	6.523	0.000	0.000	36,480.15	36,480.15	109	109	104	104	0	0	583,682	583,682	0	0	0	0	0	0	0	0
13	9.877	9.877	9.472	9.472	0.000	0.000	58,050.27	58,050.27	89	89	85	85	0	0	522,452	522,452	0	0	0	0	0	0	0	0
14	9.877	9.877	9.472	9.472	0.000	0.000	58,050.27	58,050.27	89	89	85	85	0	0	522,452	522,452	0	0	0	0	0	0	0	0
15	9.877	9.877	9.472	9.472	0.000	0.000	58,050.27	58,050.27	89	89	85	85	0	0	522,452	522,452	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							599.587	599.587				8,714.492	8,714.492			612.272	612.272					612.272	612.272	

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$2,492.86	\$0.00	\$2,492.86	\$44,871.46	\$0.00	\$44,871.46	\$30,423.58	\$0.00	\$30,423.58
2	\$2,617.50	\$0.00	\$2,617.50	\$47,115.04	\$0.00	\$47,115.04	\$32,667.15	\$0.00	\$32,667.15
3	\$2,748.38	\$0.00	\$2,748.38	\$49,470.79	\$0.00	\$49,470.79	\$35,022.91	\$0.00	\$35,022.91
4	\$2,885.80	\$0.00	\$2,885.80	\$51,944.33	\$0.00	\$51,944.33	\$37,496.44	\$0.00	\$37,496.44
5	\$3,030.09	\$0.00	\$3,030.09	\$54,541.54	\$0.00	\$54,541.54	\$40,093.66	\$0.00	\$40,093.66
6	\$3,404.95	\$0.00	\$3,404.95	\$54,479.22	\$0.00	\$54,479.22	\$40,705.97	\$0.00	\$40,705.97
7	\$3,575.20	\$0.00	\$3,575.20	\$57,203.18	\$0.00	\$57,203.18	\$43,429.93	\$0.00	\$43,429.93
8	\$3,610.95	\$0.00	\$3,610.95	\$57,775.21	\$0.00	\$57,775.21	\$44,001.96	\$0.00	\$44,001.96
9	\$3,647.06	\$0.00	\$3,647.06	\$58,352.97	\$0.00	\$58,352.97	\$44,579.71	\$0.00	\$44,579.71
10	\$3,683.53	\$0.00	\$3,683.53	\$58,936.49	\$0.00	\$58,936.49	\$45,163.24	\$0.00	\$45,163.24
11	\$3,720.37	\$0.00	\$3,720.37	\$59,526.86	\$0.00	\$59,526.86	\$45,752.60	\$0.00	\$45,752.60
12	\$3,757.57	\$0.00	\$3,757.57	\$60,121.12	\$0.00	\$60,121.12	\$46,347.86	\$0.00	\$46,347.86
13	\$6,013.32	\$0.00	\$6,013.32	\$54,119.92	\$0.00	\$54,119.92	\$41,791.52	\$0.00	\$41,791.52
14	\$6,073.46	\$0.00	\$6,073.46	\$54,861.12	\$0.00	\$54,861.12	\$42,332.72	\$0.00	\$42,332.72
15	\$6,134.19	\$0.00	\$6,134.19	\$55,207.73	\$0.00	\$55,207.73	\$42,879.33	\$0.00	\$42,879.33
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$57,395.22	\$0.00	\$57,395.22	\$818,325.99	\$0.00	\$818,325.99	\$612,688.59	\$0.00	\$612,688.59

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Rebate	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)		
1	\$7,042.17	\$17,763.63	\$36,826.17	\$0.00	\$61,631.87	\$539.59	\$539.59	\$0.10	\$0.10	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$7,042.17	\$17,763.63	\$36,826.17	\$0.00	\$61,631.87	\$539.59	\$539.59	\$0.10	\$0.10	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario									
Year	Cumulative Electric				Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Total
1	\$21,480.44	\$7,518.15	\$12,164.31	\$134.70	\$41,297.60	\$0.00	\$0.00	\$0.00	\$0.00
2	\$23,472.48	\$9,215.37	\$12,559.51	\$134.70	\$44,382.05	\$0.00	\$0.00	\$0.00	\$0.00
3	\$25,634.37	\$8,972.03	\$12,967.27	\$134.70	\$47,708.37	\$0.00	\$0.00	\$0.00	\$0.00
4	\$37,272.82	\$13,045.49	\$13,388.74	\$134.70	\$63,841.75	\$0.00	\$0.00	\$0.00	\$0.00
5	\$37,574.22	\$13,150.98	\$13,823.91	\$134.70	\$64,983.81	\$0.00	\$0.00	\$0.00	\$0.00
6	\$38,740.07	\$13,659.03	\$13,042.78	\$128.41	\$65,470.29	\$0.00	\$0.00	\$0.00	\$0.00
7	\$38,997.82	\$13,649.24	\$13,466.51	\$128.41	\$66,241.99	\$0.00	\$0.00	\$0.00	\$0.00
8	\$45,167.86	\$15,808.75	\$13,903.81	\$128.41	\$75,008.83	\$0.00	\$0.00	\$0.00	\$0.00
9	\$47,801.44	\$16,765.51	\$14,355.72	\$128.41	\$79,151.06	\$0.00	\$0.00	\$0.00	\$0.00
10	\$51,626.93	\$18,069.42	\$14,822.25	\$128.41	\$84,647.01	\$0.00	\$0.00	\$0.00	\$0.00
11	\$52,241.18	\$18,284.41	\$15,304.42	\$128.41	\$85,958.43	\$0.00	\$0.00	\$0.00	\$0.00
12	\$53,888.45	\$18,860.96	\$15,801.21	\$128.41	\$88,679.03	\$0.00	\$0.00	\$0.00	\$0.00
13	\$50,378.72	\$17,621.65	\$13,325.71	\$114.94	\$81,440.22	\$0.00	\$0.00	\$0.00	\$0.00
14	\$51,888.02	\$18,160.81	\$13,758.76	\$114.94	\$83,922.53	\$0.00	\$0.00	\$0.00	\$0.00
15	\$53,444.66	\$18,705.63	\$14,206.31	\$114.94	\$86,471.53	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$629,707.49	\$220,397.62	\$206,891.22	\$1,917.19	\$1,058,913.52	\$0.00	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)									
Year	Cumulative Electric				Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total	Total
1	\$19,892.87	\$7,899.38	\$12,164.31	\$134.70	\$40,091.26	\$0.00	\$0.00	\$0.00	\$0.00
2	\$21,726.75	\$9,566.46	\$12,559.51	\$134.70	\$44,987.42	\$0.00	\$0.00	\$0.00	\$0.00
3	\$23,727.86	\$8,108.26	\$12,967.27	\$134.70	\$44,938.09	\$0.00	\$0.00	\$0.00	\$0.00
4	\$34,500.72	\$9,500.91	\$13,388.74	\$134.70	\$56,525.07	\$0.00	\$0.00	\$0.00	\$0.00
5	\$34,779.71	\$24,854.06	\$13,823.91	\$134.70	\$73,592.38	\$0.00	\$0.00	\$0.00	\$0.00
6	\$35,858.85	\$22,710.36	\$13,042.78	\$128.41	\$71,740.40	\$0.00	\$0.00	\$0.00	\$0.00
7	\$36,097.43	\$22,710.36	\$13,466.51	\$128.41	\$72,402.71	\$0.00	\$0.00	\$0.00	\$0.00
8	\$41,898.58	\$22,710.36	\$13,903.81	\$128.41	\$78,551.16	\$0.00	\$0.00	\$0.00	\$0.00
9	\$44,338.86	\$22,710.36	\$14,355.72	\$128.41	\$81,533.35	\$0.00	\$0.00	\$0.00	\$0.00
10	\$47,787.27	\$22,710.36	\$14,822.25	\$128.41	\$85,448.28	\$0.00	\$0.00	\$0.00	\$0.00
11	\$49,355.84	\$22,710.36	\$15,304.42	\$128.41	\$86,499.03	\$0.00	\$0.00	\$0.00	\$0.00
12	\$49,880.60	\$22,710.36	\$15,801.21	\$128.41	\$88,520.57	\$0.00	\$0.00	\$0.00	\$0.00
13	\$46,630.04	\$18,549.63	\$13,325.71	\$114.94	\$78,620.32	\$0.00	\$0.00	\$0.00	\$0.00
14	\$48,028.94	\$18,549.63	\$13,758.76	\$114.94	\$80,452.27	\$0.00	\$0.00	\$0.00	\$0.00
15	\$49,469.81	\$18,549.63	\$14,206.31	\$114.94	\$82,340.69	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$582,874.14	\$273,850.44	\$206,891.22	\$1,917.19	\$1,065,233.00	\$1,065,233.00	\$0.00	\$0.00	\$0.00

Cost Based NPV				
Year	Energy	Capacity	T&D	Auxiliary
1	10,862.87	7,899.38	12,164.31	134.70
2	20,117.36	8,897.83	11,629.17	124.72
3	20,342.82	6,951.52	11,117.34	116.48
4	27,287.79	6,748.30	10,628.41	106.83
5	25,954.13	18,268.47	10,160.99	89.01
6	24,404.93	15,456.29	8,876.70	87.39
7	22,747.51	14,311.38	8,486.19	80.92
8	24,394.90	13,251.27	8,112.74	74.93
9	23,954.91	12,269.70	7,755.95	69.38
10	23,905.53	11,360.83	7,414.81	64.24
11	22,398.11	10,519.29	7,088.91	59.48
12	21,352.93	9,740.08	6,776.87	55.07
13	18,517.43	7,366.31	5,291.82	45.64
14	17,860.14	6,820.66	5,059.07	42.26
15	16,842.54	6,315.43	4,836.69	39.13
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	-	-	-
24	-	-	-	-
25	-	-	-	-
Totals	329,513.90	156,136.74	125,399.98	1,199.29
Net	10,075.25	4,752.87	3,302.84	29.43

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	4.97	2.24	2.29	2.30	2.33	2.63
TRC Test	7.32	3.23	3.30	3.31	3.36	3.81
RIM Test	4.48	2.04	2.07	2.07	2.10	2.36
RIM (Net Fuel)	4.60	2.09	2.12	2.13	2.15	2.42
Societal Test	7.32	3.23	3.30	3.31	3.36	3.81
Participant Test	65535.00	65535.00	65535.00	65535.00	65535.00	65535.00

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$532.22	100.00%
Total Cost / kWh Savings	\$0.5224	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$519.27	97.57%
Allocated Costs / kWh Savings	\$0.0127	2.43%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$7,183.90	\$35,682.20	\$28,498.30	4.97	Utility (PAC) Test
\$7,183.90	\$52,582.37	\$45,398.47	7.32	TRC Test
\$7,956.77	\$35,682.20	\$27,725.43	4.48	RIM Test
\$7,761.84	\$35,682.20	\$27,920.37		RIM (Net Fuel)
\$7,183.90	\$52,582.37	\$45,398.47	7.32	Societal Test
\$0.00	\$1,227.49	\$1,227.49	inf.	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RES-D-E-E-P - Tech=ACC.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$488.77	\$394.80	\$633.70	\$677.32	\$831.34	\$2,426.54
Avoided Electric Production Adders	\$0.00	\$138.18	\$221.79	\$237.06	\$290.97	\$849.29
Avoided Electric Capacity	\$19,601.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16
Avoided Ancillary	\$1.82	\$1.70	\$1.82	\$1.82	\$1.82	\$1.94
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$35,682.20	\$16,124.84	\$16,447.48	\$16,506.36	\$16,714.29	\$18,867.94
Administration Costs	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99
Implementation / Participation Costs	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$732.80	\$591.91	\$950.09	\$1,015.48	\$1,246.41	\$3,638.05
Avoided Electric Production Adders	\$0.00	\$207.17	\$332.53	\$355.42	\$436.24	\$1,273.32
Avoided Electric Capacity	\$29,425.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09
Avoided Ancillary	\$2.53	\$2.36	\$2.53	\$2.53	\$2.53	\$2.70
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$52,582.37	\$23,222.53	\$23,706.24	\$23,794.52	\$24,106.28	\$27,335.16
Administration Costs	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99
Implementation / Participation Costs	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
19	917	13,498	0.000	Generator
	847	12,467	0.000	Meter

Loss Factor: 7.640%

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$5,295.99	\$1,887.91	\$0.00	\$0.00	\$7,183.90	

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$488.77	\$394.80	\$633.70	\$677.32	\$831.34	\$2,426.54
Avoided Electric Production Adders	\$0.00	\$138.18	\$221.79	\$237.06	\$290.97	\$849.29
Avoided Electric Capacity	\$19,601.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16	\$15,590.16
Avoided Ancillary	\$1.82	\$1.70	\$1.82	\$1.82	\$1.82	\$1.94
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$35,682.20	\$16,124.84	\$16,447.48	\$16,506.36	\$16,714.29	\$18,867.94
Administration Costs	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99
Implementation / Participation Costs	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$772.87	\$721.18	\$772.87	\$772.87	\$772.87	\$825.54
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$772.87	\$721.18	\$772.87	\$772.87	\$772.87	\$825.54
Net Fuel Lost Revenue (Electric)	\$577.94	\$539.28	\$577.94	\$577.94	\$577.94	\$617.32
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$577.94	\$539.28	\$577.94	\$577.94	\$577.94	\$617.32
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$732.80	\$591.91	\$950.09	\$1,015.48	\$1,246.41	\$3,638.05
Avoided Electric Production Adders	\$0.00	\$207.17	\$332.53	\$355.42	\$436.24	\$1,273.32
Avoided Electric Capacity	\$29,425.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09	\$22,421.09
Avoided Ancillary	\$2.53	\$2.36	\$2.53	\$2.53	\$2.53	\$2.70
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$52,582.37	\$23,222.53	\$23,706.24	\$23,794.52	\$24,106.28	\$27,335.16
Administration Costs	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99	\$5,295.99
Implementation / Participation Costs	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91	\$1,887.91
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90	\$7,183.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,227.49	\$1,145.39	\$1,227.49	\$1,227.49	\$1,227.49	\$1,311.14
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,227.49	\$1,145.39	\$1,227.49	\$1,227.49	\$1,227.49	\$1,311.14

Participation and Total Participant Costs									
Year	Participation					Total Participant Costs			
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free riders)	One-Time Investment	Annual Investment	Total Costs
1	19	0	19	0	19	19	\$0.00	\$0.00	\$0.00
2	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
3	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
4	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
5	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
6	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
7	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
8	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
9	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
10	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
11	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
12	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
13	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
14	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
15	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
16	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
17	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
18	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
19	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
20	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
21	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
22	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
23	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
24	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
25	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
Totals	19	0	285	0	285	285	\$0	\$0	\$0

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)		
1	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	13.50	13.50	13.50	13.50	0.00	0.00	916.85	916.85
2	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
3	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
4	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
5	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
6	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
7	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
8	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
9	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
10	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
11	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
12	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
13	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
14	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
15	0.710	0.710	0.710	0.710	0.000	0.000	48.26	48.26	13	13	13	13	0	0	917	917	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							724	724							13,753	13,753							917	917

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Perist Electric	Net Free/Perist Gas	Net Free/Perist Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$3.64	\$0.00	\$3.64	\$69.11	\$0.00	\$69.11	\$47.48	\$0.00	\$47.48
2	\$3.82	\$0.00	\$3.82	\$72.57	\$0.00	\$72.57	\$50.93	\$0.00	\$50.93
3	\$4.01	\$0.00	\$4.01	\$76.20	\$0.00	\$76.20	\$54.56	\$0.00	\$54.56
4	\$4.21	\$0.00	\$4.21	\$80.01	\$0.00	\$80.01	\$58.37	\$0.00	\$58.37
5	\$4.42	\$0.00	\$4.42	\$84.01	\$0.00	\$84.01	\$62.37	\$0.00	\$62.37
6	\$4.64	\$0.00	\$4.64	\$88.21	\$0.00	\$88.21	\$66.57	\$0.00	\$66.57
7	\$4.87	\$0.00	\$4.87	\$92.62	\$0.00	\$92.62	\$70.98	\$0.00	\$70.98
8	\$4.92	\$0.00	\$4.92	\$93.54	\$0.00	\$93.54	\$71.91	\$0.00	\$71.91
9	\$4.97	\$0.00	\$4.97	\$94.48	\$0.00	\$94.48	\$72.84	\$0.00	\$72.84
10	\$5.02	\$0.00	\$5.02	\$95.42	\$0.00	\$95.42	\$73.79	\$0.00	\$73.79
11	\$5.07	\$0.00	\$5.07	\$96.38	\$0.00	\$96.38	\$74.74	\$0.00	\$74.74
12	\$5.12	\$0.00	\$5.12	\$97.34	\$0.00	\$97.34	\$75.71	\$0.00	\$75.71
13	\$5.17	\$0.00	\$5.17	\$98.31	\$0.00	\$98.31	\$76.68	\$0.00	\$76.68
14	\$5.23	\$0.00	\$5.23	\$99.30	\$0.00	\$99.30	\$77.66	\$0.00	\$77.66
15	\$5.28	\$0.00	\$5.28	\$100.29	\$0.00	\$100.29	\$78.66	\$0.00	\$78.66
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$70.41	\$0.00	\$70.41	\$1,337.78	\$0.00	\$1,337.78	\$1,013.26	\$0.00	\$1,013.26

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Reserves	Other	Total	\$/kW	\$/kWh (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$5,295.99	\$1,887.91	\$0.00	\$0.00	\$7,183.90	\$532.22	\$32.22	\$7.84	\$7.84	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$5,295.99	\$1,887.91	\$0.00	\$0.00	\$7,183.90	\$532.22	\$32.22	\$7.84	\$7.84	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel	Total	
1	\$37.53	\$13.14	\$1,437.54	\$0.20	\$1,488.41	\$0.00	\$0.00	\$0.00
2	\$41.01	\$14.25	\$1,484.25	\$0.20	\$1,529.81	\$0.00	\$0.00	\$0.00
3	\$44.79	\$15.68	\$1,532.43	\$0.20	\$1,593.10	\$0.00	\$0.00	\$0.00
4	\$65.12	\$22.79	\$1,582.24	\$0.20	\$1,670.36	\$0.00	\$0.00	\$0.00
5	\$65.65	\$22.98	\$1,633.67	\$0.20	\$1,722.50	\$0.00	\$0.00	\$0.00
6	\$71.00	\$24.85	\$1,686.85	\$0.20	\$1,792.90	\$0.00	\$0.00	\$0.00
7	\$71.47	\$25.02	\$1,741.65	\$0.20	\$1,838.34	\$0.00	\$0.00	\$0.00
8	\$82.78	\$28.97	\$1,798.21	\$0.20	\$1,910.17	\$0.00	\$0.00	\$0.00
9	\$87.79	\$30.73	\$1,856.66	\$0.20	\$1,975.38	\$0.00	\$0.00	\$0.00
10	\$94.62	\$33.12	\$1,916.99	\$0.20	\$2,044.93	\$0.00	\$0.00	\$0.00
11	\$95.74	\$33.51	\$1,979.35	\$0.20	\$2,108.81	\$0.00	\$0.00	\$0.00
12	\$98.76	\$34.57	\$2,043.61	\$0.20	\$2,177.14	\$0.00	\$0.00	\$0.00
13	\$103.15	\$36.10	\$2,110.02	\$0.20	\$2,249.47	\$0.00	\$0.00	\$0.00
14	\$106.24	\$37.18	\$2,178.59	\$0.20	\$2,322.21	\$0.00	\$0.00	\$0.00
15	\$109.43	\$38.30	\$2,249.45	\$0.20	\$2,397.38	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,175.08	\$411.28	\$27,231.52	\$3.03	\$28,820.90	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel	Total	
1	\$28.95	\$933.53	\$1,437.54	\$0.20	\$2,400.22	\$0.00	\$0.00	\$0.00
2	\$31.63	\$1,130.54	\$1,484.25	\$0.20	\$2,646.62	\$0.00	\$0.00	\$0.00
3	\$34.54	\$956.21	\$1,532.43	\$0.20	\$2,525.39	\$0.00	\$0.00	\$0.00
4	\$50.23	\$1,106.61	\$1,582.24	\$0.20	\$2,637.28	\$0.00	\$0.00	\$0.00
5	\$50.63	\$2,937.18	\$1,633.67	\$0.20	\$4,621.69	\$0.00	\$0.00	\$0.00
6	\$54.76	\$2,937.18	\$1,686.85	\$0.20	\$4,679.00	\$0.00	\$0.00	\$0.00
7	\$55.13	\$2,937.18	\$1,741.65	\$0.20	\$4,734.16	\$0.00	\$0.00	\$0.00
8	\$60.85	\$2,937.18	\$1,798.21	\$0.20	\$4,799.44	\$0.00	\$0.00	\$0.00
9	\$67.71	\$2,937.18	\$1,856.66	\$0.20	\$4,861.75	\$0.00	\$0.00	\$0.00
10	\$72.98	\$2,937.18	\$1,916.99	\$0.20	\$4,927.35	\$0.00	\$0.00	\$0.00
11	\$73.85	\$2,937.18	\$1,979.35	\$0.20	\$4,990.58	\$0.00	\$0.00	\$0.00
12	\$76.18	\$2,937.18	\$2,043.61	\$0.20	\$5,057.16	\$0.00	\$0.00	\$0.00
13	\$79.56	\$2,937.18	\$2,110.02	\$0.20	\$5,126.96	\$0.00	\$0.00	\$0.00
14	\$81.94	\$2,937.18	\$2,178.59	\$0.20	\$5,197.91	\$0.00	\$0.00	\$0.00
15	\$84.40	\$2,937.18	\$2,249.45	\$0.20	\$5,271.24	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$906.34	\$36,335.67	\$27,231.52	\$3.03	\$84,476.75	\$64,476.75	\$0.00	\$0.00

Cost Based NPV				
Energy	Capacity	T&D	Ancillary	Total
1.00	28.95	933.53	1,437.54	0.20
0.93	29.29	1,046.79	1,374.30	0.19
0.86	29.62	821.51	1,313.82	0.17
0.79	39.87	797.49	1,260.03	0.16
0.74	37.22	2,156.92	1,200.80	0.15
0.68	37.27	1,999.00	1,148.04	0.14
0.63	34.74	1,890.92	1,097.54	0.13
0.58	37.25	1,713.82	1,049.24	0.12
0.54	36.58	1,586.87	1,003.09	0.11
0.50	36.51	1,469.32	968.97	0.10
0.46	34.21	1,360.48	916.82	0.09
0.43	32.67	1,259.71	876.47	0.09
0.40	31.59	1,166.39	837.92	0.08
0.37	30.13	1,080.00	801.06	0.07
0.34	28.74	1,000.00	765.85	0.07
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
504.63	20,244.74	16,037.50	1.86	
15.86	643.29	447.33	0.06	

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.19	8.18	10.82	11.12	13.88	31.09
TRC Test	2.94	2.94	3.89	4.00	4.99	11.18
RIM Test	0.62	0.63	0.82	0.85	1.06	2.31
RIM (Net Fuel)	0.82	0.83	1.08	1.11	1.39	3.04
Societal Test	2.94	2.94	3.89	4.00	4.99	11.18
Participant Test	5.20	5.11	5.20	5.20	5.20	5.33

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$2,253.69	100.00%
Total Cost / kWh Savings	\$0.0050	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$158.72	7.04%
Allocated Costs / kWh Savings	\$0.0046	92.96%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$11,061.98	\$90,587.06	\$79,525.08	8.19	Utility (PAC) Test
\$42,561.98	\$125,201.25	\$82,639.27	2.94	TRC Test
\$145,368.58	\$90,587.06	(\$54,781.52)	0.62	RIM Test
\$110,614.40	\$90,587.06	(\$20,027.34)		RIM (Net Fuel)
\$42,561.98	\$125,201.25	\$82,639.27	2.94	Societal Test
\$39,900.00	\$207,566.16	\$167,666.16	5.20	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RESDD-EEP - Tech=AHP.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$79,401.71	\$63,241.19	\$84,851.05	\$87,326.87	\$109,884.16	\$250,952.00
Avoided Electric Production Adders	\$0.00	\$22,134.42	\$29,697.87	\$30,564.40	\$38,459.46	\$87,833.20
Avoided Electric Capacity	\$6,015.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51
Avoided Ancillary	\$324.02	\$318.21	\$324.02	\$324.02	\$324.02	\$332.34
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$90,587.06	\$90,539.33	\$119,718.45	\$123,060.80	\$153,513.15	\$343,963.05
Administration Costs	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22
Implementation / Participation Costs	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00
Total	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$109,881.87	\$87,517.76	\$117,423.07	\$120,849.29	\$152,065.72	\$347,285.67
Avoided Electric Production Adders	\$0.00	\$30,631.22	\$41,098.07	\$42,297.25	\$53,223.00	\$121,549.99
Avoided Electric Capacity	\$8,427.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91
Avoided Ancillary	\$423.63	\$416.04	\$423.63	\$423.63	\$423.63	\$434.51
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$125,201.25	\$125,032.93	\$165,412.68	\$170,038.08	\$212,180.25	\$475,738.07
Administration Costs	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22
Implementation / Participation Costs	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
19	184,818	4,908	0,000	Generator
	170,698	4,533	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$484.22	\$2,177.75	\$0.00	\$8,400.00	\$11,061.98

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$79,401.71	\$63,241.19	\$84,851.05	\$87,326.87	\$109,884.16	\$250,952.00
Avoided Electric Production Adders	\$0.00	\$22,134.42	\$29,697.87	\$30,564.40	\$38,459.46	\$87,833.20
Avoided Electric Capacity	\$6,015.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51	\$4,845.51
Avoided Ancillary	\$324.02	\$318.21	\$324.02	\$324.02	\$324.02	\$332.34
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$90,587.06	\$90,539.33	\$119,718.45	\$123,060.80	\$153,513.15	\$343,963.05
Administration Costs	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22
Implementation / Participation Costs	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00
Total	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98	\$11,061.98
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$134,306.60	\$131,897.39	\$134,306.60	\$134,306.60	\$134,306.60	\$137,767.41
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$134,306.60	\$131,897.39	\$134,306.60	\$134,306.60	\$134,306.60	\$137,767.41
Net Fuel Lost Revenue (Electric)	\$99,552.42	\$97,765.79	\$99,552.42	\$99,552.42	\$99,552.42	\$102,120.68
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$99,552.42	\$97,765.79	\$99,552.42	\$99,552.42	\$99,552.42	\$102,120.68
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$109,881.87	\$87,517.76	\$117,423.07	\$120,849.29	\$152,065.72	\$347,285.67
Avoided Electric Production Adders	\$0.00	\$30,631.22	\$41,098.07	\$42,297.25	\$53,223.00	\$121,549.99
Avoided Electric Capacity	\$8,427.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91	\$6,467.91
Avoided Ancillary	\$423.63	\$416.04	\$423.63	\$423.63	\$423.63	\$434.51
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$125,201.25	\$125,032.93	\$165,412.68	\$170,038.08	\$212,180.25	\$475,738.07
Administration Costs	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22	\$484.22
Implementation / Participation Costs	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75	\$2,177.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98	\$2,661.98
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00	\$8,400.00
Participant Costs (gross)	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00	\$39,900.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$199,166.16	\$195,593.49	\$199,166.16	\$199,166.16	\$199,166.16	\$204,298.26
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$199,166.16	\$195,593.49	\$199,166.16	\$199,166.16	\$199,166.16	\$204,298.26

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	19	0	19	0	19	19	\$39,900.00	\$0.00	\$39,900.00
2	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
3	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
4	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
5	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
6	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
7	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
8	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
9	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
10	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
11	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
12	0	0	19	0	19	19	\$0.00	\$0.00	\$0.00
13	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
14	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
15	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	19	0	228	0	228	228	\$39,900	\$0	\$39,900

Impacts and Savings																								
Year	Per Participant												Electric Impacts/Savings											
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)		
1	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	6.87	6.87	4.91	4.91	0.00	0.00	184,818.88	184,818.88
2	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
3	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
4	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
5	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
6	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
7	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
8	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
9	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
10	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
11	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
12	0.361	0.361	0.258	0.258	0.000	0.000	9,727.26	9,727.26	7	7	5	5	0	0	184,818	184,818	0	0	0	0	0	0	0	0
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							116,727	116,727							2,217,815	2,217,815							184,818	184,818

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$729.66	\$0.00	\$729.66	\$13,863.59	\$0.00	\$13,863.59	\$9,502.41	\$0.00	\$9,502.41
2	\$766.15	\$0.00	\$766.15	\$14,556.76	\$0.00	\$14,556.76	\$10,195.58	\$0.00	\$10,195.58
3	\$804.45	\$0.00	\$804.45	\$15,284.60	\$0.00	\$15,284.60	\$10,923.42	\$0.00	\$10,923.42
4	\$844.68	\$0.00	\$844.68	\$16,048.83	\$0.00	\$16,048.83	\$11,687.65	\$0.00	\$11,687.65
5	\$886.91	\$0.00	\$886.91	\$16,851.27	\$0.00	\$16,851.27	\$12,490.09	\$0.00	\$12,490.09
6	\$931.25	\$0.00	\$931.25	\$17,693.94	\$0.00	\$17,693.94	\$13,332.66	\$0.00	\$13,332.66
7	\$977.82	\$0.00	\$977.82	\$18,578.53	\$0.00	\$18,578.53	\$14,217.35	\$0.00	\$14,217.35
8	\$987.60	\$0.00	\$987.60	\$18,764.32	\$0.00	\$18,764.32	\$14,403.14	\$0.00	\$14,403.14
9	\$997.47	\$0.00	\$997.47	\$18,951.96	\$0.00	\$18,951.96	\$14,590.78	\$0.00	\$14,590.78
10	\$1,007.45	\$0.00	\$1,007.45	\$19,141.48	\$0.00	\$19,141.48	\$14,780.30	\$0.00	\$14,780.30
11	\$1,017.52	\$0.00	\$1,017.52	\$19,332.89	\$0.00	\$19,332.89	\$14,971.71	\$0.00	\$14,971.71
12	\$1,027.70	\$0.00	\$1,027.70	\$19,526.22	\$0.00	\$19,526.22	\$15,165.04	\$0.00	\$15,165.04
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$10,978.65	\$0.00	\$10,978.65	\$208,594.30	\$0.00	\$208,594.30	\$156,260.14	\$0.00	\$156,260.14

Utility Program Costs										
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved				
	Administration	Implementation	Other	Total	SAW	SAW (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$484.22	\$2,177.75	\$8,400.00	\$0.00	\$11,061.98	\$2,283.69	\$2,253.69	\$0.06	\$0.06	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$484.22	\$2,177.75	\$8,400.00	\$0.00	\$11,061.98	\$2,283.69	\$2,253.69	\$0.06	\$0.06	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$6,086.00	\$2,130.10	\$522.74	\$40.66	\$8,779.50	\$0.00	\$0.00	\$0.00		
2	\$6,650.40	\$2,327.64	\$539.73	\$40.66	\$9,558.43	\$0.00	\$0.00	\$0.00		
3	\$7,262.93	\$2,542.02	\$557.25	\$40.66	\$10,402.86	\$0.00	\$0.00	\$0.00		
4	\$10,560.42	\$3,696.15	\$575.36	\$40.66	\$14,872.59	\$0.00	\$0.00	\$0.00		
5	\$10,645.91	\$3,726.33	\$594.06	\$40.66	\$15,006.57	\$0.00	\$0.00	\$0.00		
6	\$11,513.75	\$4,029.81	\$613.40	\$40.66	\$16,197.63	\$0.00	\$0.00	\$0.00		
7	\$11,590.36	\$4,056.63	\$633.33	\$40.66	\$16,320.97	\$0.00	\$0.00	\$0.00		
8	\$13,424.12	\$4,698.44	\$653.89	\$40.66	\$18,817.12	\$0.00	\$0.00	\$0.00		
9	\$14,236.56	\$4,982.80	\$675.15	\$40.66	\$19,935.17	\$0.00	\$0.00	\$0.00		
10	\$15,343.79	\$5,370.33	\$697.09	\$40.66	\$21,451.87	\$0.00	\$0.00	\$0.00		
11	\$15,526.35	\$5,434.22	\$719.77	\$40.66	\$21,721.00	\$0.00	\$0.00	\$0.00		
12	\$16,015.93	\$5,605.58	\$743.13	\$40.66	\$22,405.30	\$0.00	\$0.00	\$0.00		
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$138,856.43	\$48,599.75	\$7,524.90	\$487.92	\$195,469.00	\$0.00	\$0.00	\$0.00		

Cost-Based Avoided Costs (Net Free Riders/Persistence)										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$5,695.14	\$339.46	\$522.74	\$40.66	\$6,598.01	\$0.00	\$0.00	\$0.00	1.00	\$1,695.14
2	\$6,223.29	\$411.10	\$539.73	\$40.66	\$7,214.78	\$0.00	\$0.00	\$0.00	0.93	\$1,762.31
3	\$6,796.48	\$348.44	\$557.25	\$40.66	\$7,742.83	\$0.00	\$0.00	\$0.00	0.86	\$1,826.89
4	\$9,892.20	\$395.31	\$575.36	\$40.66	\$10,903.54	\$0.00	\$0.00	\$0.00	0.79	\$1,844.81
5	\$9,962.11	\$1,068.07	\$594.06	\$40.66	\$11,664.90	\$0.00	\$0.00	\$0.00	0.74	\$1,322.45
6	\$10,774.31	\$1,068.07	\$613.40	\$40.66	\$12,496.44	\$0.00	\$0.00	\$0.00	0.68	\$1,332.82
7	\$10,846.00	\$1,068.07	\$633.33	\$40.66	\$12,588.05	\$0.00	\$0.00	\$0.00	0.63	\$1,834.82
8	\$12,561.99	\$1,068.07	\$653.89	\$40.66	\$14,324.61	\$0.00	\$0.00	\$0.00	0.58	\$1,229.80
9	\$13,322.25	\$1,068.07	\$675.15	\$40.66	\$15,106.13	\$0.00	\$0.00	\$0.00	0.54	\$1,197.60
10	\$14,358.38	\$1,068.07	\$697.09	\$40.66	\$16,164.19	\$0.00	\$0.00	\$0.00	0.50	\$1,182.76
11	\$14,529.21	\$1,068.07	\$719.77	\$40.66	\$16,357.70	\$0.00	\$0.00	\$0.00	0.46	\$1,729.84
12	\$14,987.35	\$1,068.07	\$743.13	\$40.66	\$16,839.20	\$0.00	\$0.00	\$0.00	0.43	\$1,427.82
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.40	-
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.37	-
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.34	-
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.32	-
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.29	-
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.27	-
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.25	-
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.23	-
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$129,538.73	\$10,008.85	\$7,524.90	\$487.92	\$147,960.39	\$147,960.39	\$0.00	\$0.00		

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	\$1,695.14	\$339.46	\$522.74	\$40.66
0.93	\$1,762.31	\$380.65	\$499.75	\$37.65
0.86	\$1,826.89	\$298.73	\$477.75	\$34.86
0.79	\$1,844.81	\$200.00	\$460.74	\$32.28
0.74	\$1,322.45	\$785.06	\$436.65	\$29.89
0.68	\$1,332.82	\$726.91	\$417.47	\$27.67
0.63	\$1,834.82	\$703.06	\$399.10	\$25.62
0.58	\$1,229.80	\$523.21	\$381.54	\$23.72
0.54	\$1,197.60	\$577.04	\$364.78	\$21.97
0.50	\$1,182.76	\$534.30	\$348.72	\$20.34
0.46	\$1,729.84	\$484.72	\$333.39	\$18.83
0.43	\$1,427.82	\$458.08	\$318.72	\$17.44
0.40	-	-	-	-
0.37	-	-	-	-
0.34	-	-	-	-
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	81,487.05	6,181.22	4,967.33	330.93
	2,085.35	165.40	111.82	6.91

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.63	5.64	7.21	7.39	9.03	19.28
TRC Test	2.42	2.05	2.62	2.68	3.28	7.01
RIM Test	0.82	0.71	0.89	0.91	1.11	2.32
RIM (Net Fuel)	1.05	0.91	1.14	1.17	1.43	2.99
Societal Test	2.42	2.05	2.62	2.68	3.28	7.01
Participant Test	3.26	3.20	3.26	3.26	3.26	3.34

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,056.27	100.00%
Total Cost / kWh Savings	\$0.0083	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$248.09	23.49%
Allocated Costs / kWh Savings	\$0.0063	76.51%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$35,991.73	\$238,690.60	\$202,698.86	6.63	Utility (PAC) Test
\$141,836.16	\$343,303.66	\$201,467.50	2.42	TRC Test
\$292,135.09	\$238,690.60	(\$53,444.50)	0.82	RIM Test
\$226,861.03	\$238,690.60	\$11,829.57		RIM (Net Fuel)
\$141,836.16	\$343,303.66	\$201,467.50	2.42	Societal Test
\$126,272.00	\$411,232.29	\$284,960.29	3.26	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RESD-EEP - Tech=ALL.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$153,382.86	\$122,170.57	\$164,020.93	\$168,831.92	\$212,421.75	\$485,653.93
Avoided Electric Production Adders	\$0.00	\$42,759.70	\$57,407.32	\$59,091.17	\$74,347.61	\$169,978.87
Avoided Electric Capacity	\$47,084.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29
Avoided Ancillary	\$608.56	\$597.57	\$608.56	\$608.56	\$608.56	\$624.27
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$238,690.60	\$203,142.13	\$259,651.10	\$266,145.94	\$324,992.22	\$693,871.36
Administration Costs	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45
Implementation / Participation Costs	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57
Total	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$219,805.19	\$175,076.80	\$235,057.43	\$241,953.70	\$304,421.08	\$696,024.35
Avoided Electric Production Adders	\$0.00	\$61,276.88	\$82,270.10	\$84,683.80	\$106,547.38	\$243,608.52
Avoided Electric Capacity	\$69,540.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65
Avoided Ancillary	\$816.85	\$801.90	\$816.85	\$816.85	\$816.85	\$837.73
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$343,303.66	\$290,297.22	\$371,285.83	\$380,595.79	\$464,926.75	\$993,612.25
Administration Costs	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45
Implementation / Participation Costs	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
47	331,422	34,075	0,000	Generator
	306,102	31,471	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$6,886.45	\$8,677.71	\$0.00	\$20,427.57	\$35,991.73

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$153,382.86	\$122,170.57	\$164,020.93	\$168,831.92	\$212,421.75	\$485,653.93
Avoided Electric Production Adders	\$0.00	\$42,759.70	\$57,407.32	\$59,091.17	\$74,347.61	\$169,978.87
Avoided Electric Capacity	\$47,084.88	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29	\$37,614.29
Avoided Ancillary	\$608.56	\$597.57	\$608.56	\$608.56	\$608.56	\$624.27
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$238,690.60	\$203,142.13	\$259,651.10	\$266,145.94	\$324,992.22	\$693,871.36
Administration Costs	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45
Implementation / Participation Costs	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57
Total	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73	\$35,991.73
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$256,143.36	\$251,517.96	\$256,143.36	\$256,143.36	\$256,143.36	\$262,783.89
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$256,143.36	\$251,517.96	\$256,143.36	\$256,143.36	\$256,143.36	\$262,783.89
Net Fuel Lost Revenue (Electric)	\$190,869.30	\$187,422.74	\$190,869.30	\$190,869.30	\$190,869.30	\$195,825.19
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$190,869.30	\$187,422.74	\$190,869.30	\$190,869.30	\$190,869.30	\$195,825.19
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test						
Avoided Electric Production	\$219,805.19	\$175,076.80	\$235,057.43	\$241,953.70	\$304,421.08	\$696,024.35
Avoided Electric Production Adders	\$0.00	\$61,276.88	\$82,270.10	\$84,683.80	\$106,547.38	\$243,608.52
Avoided Electric Capacity	\$69,540.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65	\$53,141.65
Avoided Ancillary	\$816.65	\$801.90	\$816.65	\$816.65	\$816.65	\$837.73
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$343,303.66	\$290,297.22	\$371,285.83	\$380,595.79	\$464,926.75	\$993,612.25
Administration Costs	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45	\$6,886.45
Implementation / Participation Costs	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71	\$8,677.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16	\$15,564.16
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57	\$20,427.57
Participant Costs (gross)	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00	\$126,272.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$390,804.72	\$383,744.67	\$390,804.72	\$390,804.72	\$390,804.72	\$400,937.79
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$390,804.72	\$383,744.67	\$390,804.72	\$390,804.72	\$390,804.72	\$400,937.79

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	47	0	47	0	47	47	\$126,272.00	\$0.00	\$126,272.00
2	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
3	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
4	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
5	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
6	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
7	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
8	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
9	0	0	47	0	47	47	\$0.00	\$0.00	\$0.00
10	0	0	46	0	46	46	\$0.00	\$0.00	\$0.00
11	0	0	46	0	46	46	\$0.00	\$0.00	\$0.00
12	0	0	46	0	46	46	\$0.00	\$0.00	\$0.00
13	0	0	26	0	26	26	\$0.00	\$0.00	\$0.00
14	0	0	26	0	26	26	\$0.00	\$0.00	\$0.00
15	0	0	26	0	26	26	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	47	0	639	0	639	639	\$126,272	\$0	\$126,272

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	55.66	55.66	34.07	34.07	0.00	0.00	331,422.37	331,422.37
2	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
3	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
4	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
5	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
6	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
7	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
8	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
9	1.184	1.184	0.725	0.725	0.000	0.000	7,051.54	7,051.54	56	56	34	34	0	0	331,422	331,422	0	0	0	0	0	0	0	0
10	1.159	1.159	0.703	0.703	0.000	0.000	7,026.56	7,026.56	53	53	32	32	0	0	323,222	323,222	0	0	0	0	0	0	0	0
11	1.159	1.159	0.703	0.703	0.000	0.000	7,026.56	7,026.56	53	53	32	32	0	0	323,222	323,222	0	0	0	0	0	0	0	0
12	1.159	1.159	0.703	0.703	0.000	0.000	7,026.56	7,026.56	53	53	32	32	0	0	323,222	323,222	0	0	0	0	0	0	0	0
13	1.695	1.695	0.989	0.989	0.000	0.000	5,023.73	5,023.73	44	44	26	26	0	0	130,617	130,617	0	0	0	0	0	0	0	0
14	1.695	1.695	0.989	0.989	0.000	0.000	5,023.73	5,023.73	44	44	26	26	0	0	130,617	130,617	0	0	0	0	0	0	0	0
15	1.695	1.695	0.989	0.989	0.000	0.000	5,023.73	5,023.73	44	44	26	26	0	0	130,617	130,617	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							99.615	99.615							4,344.317	4,344.317							331,422	331,422

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Free/Persist Electric	Net Fuel Free/Persist Gas	Net Fuel Free/Persist Total
1	\$533.23	\$0.00	\$533.23	\$25,061.92	\$0.00	\$25,061.92	\$17,241.29	\$0.00	\$17,241.29
2	\$559.89	\$0.00	\$559.89	\$26,315.02	\$0.00	\$26,315.02	\$18,494.38	\$0.00	\$18,494.38
3	\$587.89	\$0.00	\$587.89	\$27,630.77	\$0.00	\$27,630.77	\$19,810.14	\$0.00	\$19,810.14
4	\$617.28	\$0.00	\$617.28	\$29,012.31	\$0.00	\$29,012.31	\$21,191.67	\$0.00	\$21,191.67
5	\$648.15	\$0.00	\$648.15	\$30,462.92	\$0.00	\$30,462.92	\$22,642.29	\$0.00	\$22,642.29
6	\$680.55	\$0.00	\$680.55	\$31,986.07	\$0.00	\$31,986.07	\$24,165.44	\$0.00	\$24,165.44
7	\$714.58	\$0.00	\$714.58	\$33,585.37	\$0.00	\$33,585.37	\$25,764.74	\$0.00	\$25,764.74
8	\$721.73	\$0.00	\$721.73	\$33,921.22	\$0.00	\$33,921.22	\$26,100.59	\$0.00	\$26,100.59
9	\$728.95	\$0.00	\$728.95	\$34,260.44	\$0.00	\$34,260.44	\$26,439.80	\$0.00	\$26,439.80
10	\$731.21	\$0.00	\$731.21	\$33,635.65	\$0.00	\$33,635.65	\$26,008.53	\$0.00	\$26,008.53
11	\$738.52	\$0.00	\$738.52	\$33,972.01	\$0.00	\$33,972.01	\$26,344.89	\$0.00	\$26,344.89
12	\$745.91	\$0.00	\$745.91	\$34,311.73	\$0.00	\$34,311.73	\$26,684.61	\$0.00	\$26,684.61
13	\$536.09	\$0.00	\$536.09	\$13,938.30	\$0.00	\$13,938.30	\$10,856.11	\$0.00	\$10,856.11
14	\$541.45	\$0.00	\$541.45	\$14,077.88	\$0.00	\$14,077.88	\$10,995.49	\$0.00	\$10,995.49
15	\$546.86	\$0.00	\$546.86	\$14,218.46	\$0.00	\$14,218.46	\$11,136.27	\$0.00	\$11,136.27
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$9,632.30	\$0.00	\$9,632.30	\$416,389.86	\$0.00	\$416,389.86	\$313,876.25	\$0.00	\$313,876.25

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)			
1	\$6,886.45	\$8,677.71	\$20,427.57	\$0.00	\$35,991.73	\$1,056.27	\$1,056.27	\$0.11	\$0.11	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$6,886.45	\$8,677.71	\$20,427.57	\$0.00	\$35,991.73	\$1,056.27	\$1,056.27	\$0.11	\$0.11	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario										
Year	Cumulative Electric				Cumulative Gas					
	Energy	Address	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$10,920.98	\$3,822.34	\$3,628.94	\$72.91	\$18,445.18	\$0.00	\$0.00	\$0.00		
2	\$11,933.77	\$4,176.82	\$3,746.84	\$72.91	\$19,930.33	\$0.00	\$0.00	\$0.00		
3	\$13,032.91	\$4,561.52	\$3,868.48	\$72.91	\$21,535.82	\$0.00	\$0.00	\$0.00		
4	\$18,950.07	\$6,632.53	\$3,994.22	\$72.91	\$29,649.73	\$0.00	\$0.00	\$0.00		
5	\$19,103.31	\$6,686.16	\$4,124.04	\$72.91	\$29,986.42	\$0.00	\$0.00	\$0.00		
6	\$20,060.78	\$7,231.27	\$4,255.29	\$72.91	\$32,223.26	\$0.00	\$0.00	\$0.00		
7	\$20,798.24	\$7,279.38	\$4,396.64	\$72.91	\$32,547.17	\$0.00	\$0.00	\$0.00		
8	\$24,088.83	\$8,431.09	\$4,539.41	\$72.91	\$37,132.24	\$0.00	\$0.00	\$0.00		
9	\$25,546.70	\$8,341.35	\$4,686.95	\$72.91	\$39,247.91	\$0.00	\$0.00	\$0.00		
10	\$26,852.74	\$9,398.46	\$4,593.45	\$71.11	\$40,915.75	\$0.00	\$0.00	\$0.00		
11	\$27,172.23	\$9,510.28	\$4,742.88	\$71.11	\$41,496.50	\$0.00	\$0.00	\$0.00		
12	\$28,029.03	\$9,810.16	\$4,896.83	\$71.11	\$42,807.13	\$0.00	\$0.00	\$0.00		
13	\$11,841,631	\$4,144,577	\$4,018,122	\$28.74	\$20,033,068	\$0.00	\$0.00	\$0.00		
14	\$12,196,988	\$4,268,911	\$4,148,770	\$28.74	\$20,643,222	\$0.00	\$0.00	\$0.00		
15	\$12,562,779	\$4,396,988	\$4,283,644	\$28.74	\$21,272,115	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$283,690.90	\$99,291.81	\$63,927.41	\$95.75	\$447,865.87	\$0.00	\$0.00	\$0.00		

Cost-Based Avoided Costs (Net Free Riders/Persistence)										
Year	Cumulative Electric				Cumulative Gas					
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$10,213.44	\$2,386.59	\$3,628.94	\$72.91	\$16,271.88	\$0.00	\$0.00	\$0.00		
2	\$11,160.60	\$2,853.93	\$3,746.84	\$72.91	\$17,834.28	\$0.00	\$0.00	\$0.00		
3	\$12,188.54	\$2,418.91	\$3,868.48	\$72.91	\$18,548.84	\$0.00	\$0.00	\$0.00		
4	\$17,722.34	\$2,536.05	\$3,994.22	\$72.91	\$24,325.52	\$0.00	\$0.00	\$0.00		
5	\$17,865.65	\$7,414.63	\$4,124.04	\$72.91	\$29,477.23	\$0.00	\$0.00	\$0.00		
6	\$19,322.21	\$7,414.63	\$4,258.29	\$72.91	\$31,068.05	\$0.00	\$0.00	\$0.00		
7	\$19,450.77	\$7,414.63	\$4,396.64	\$72.91	\$31,334.95	\$0.00	\$0.00	\$0.00		
8	\$22,528.17	\$7,414.63	\$4,539.41	\$72.91	\$34,555.12	\$0.00	\$0.00	\$0.00		
9	\$23,891.59	\$7,414.63	\$4,686.95	\$72.91	\$36,066.08	\$0.00	\$0.00	\$0.00		
10	\$25,112.63	\$7,037.99	\$4,593.45	\$71.11	\$36,815.18	\$0.00	\$0.00	\$0.00		
11	\$25,411.42	\$7,037.99	\$4,742.88	\$71.11	\$37,263.39	\$0.00	\$0.00	\$0.00		
12	\$26,212.69	\$7,037.99	\$4,896.83	\$71.11	\$38,218.62	\$0.00	\$0.00	\$0.00		
13	\$11,064.17	\$5,593.29	\$4,018.12	\$28.74	\$20,704.31	\$0.00	\$0.00	\$0.00		
14	\$11,396.10	\$5,593.29	\$4,148.70	\$28.74	\$21,166.82	\$0.00	\$0.00	\$0.00		
15	\$11,737.98	\$5,593.29	\$4,283.64	\$28.74	\$21,943.65	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$265,276.29	\$65,132.47	\$63,927.41	\$65.75	\$415,293.91	\$415,293.91	\$0.00	\$0.00		

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	10,213.44	2,386.59	3,628.94	72.91
0.93	10,333.89	2,642.63	3,499.29	67.51
0.86	10,449.70	2,073.82	3,316.60	62.51
0.79	14,068.97	2,013.30	3,170.74	57.88
0.74	13,131.79	5,449.97	3,031.29	53.99
0.68	13,150.37	5,046.27	2,898.12	49.62
0.63	12,297.28	4,672.47	2,770.63	45.95
0.58	13,144.97	4,203.38	2,649.70	42.54
0.54	12,907.88	4,005.89	2,532.21	39.39
0.50	12,562.57	3,620.75	2,297.87	35.57
0.46	11,070.40	3,259.95	2,186.87	32.94
0.43	11,242.17	3,018.47	2,100.17	30.50
0.40	4,393.73	2,221.17	1,595.65	11.41
0.37	4,190.32	2,056.64	1,525.47	10.57
0.34	3,996.32	1,904.30	1,458.41	9.78
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
157.813.42	48,568.40	38,640.96	622.68	
4,430.55	1,483.62	1,026.67	14.12	

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.43	4.78	5.88	6.01	7.16	14.37
TRC Test	1.98	1.46	1.81	1.85	2.20	4.43
RIM Test	0.90	0.68	0.83	0.84	1.00	1.97
RIM (Net Fuel)	1.12	0.84	1.02	1.04	1.24	2.44
Societal Test	1.98	1.46	1.81	1.85	2.20	4.43
Participant Test	2.38	2.34	2.38	2.38	2.38	2.44

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$577.83	100.00%
Total Cost / kWh Savings	\$0.0120	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$221.80	38.38%
Allocated Costs / kWh Savings	\$0.0074	61.62%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$2,000.30	\$12,854.54	\$10,854.24	6.43	Utility (PAC) Test
\$8,619.73	\$17,097.07	\$8,477.35	1.98	TRC Test
\$14,265.90	\$12,854.54	(\$1,411.36)	0.90	RIM Test
\$11,516.83	\$12,854.54	\$1,337.71		RIM (Net Fuel)
\$8,619.73	\$17,097.07	\$8,477.35	1.98	Societal Test
\$7,972.00	\$18,968.19	\$10,996.19	2.38	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RESD-EEP - Tech=CAL.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$6,006.68	\$4,784.15	\$6,418.92	\$6,606.21	\$8,312.65	\$18,984.33
Avoided Electric Production Adders	\$0.00	\$1,674.45	\$2,246.62	\$2,312.17	\$2,909.43	\$6,644.51
Avoided Electric Capacity	\$3,741.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33
Avoided Ancillary	\$25.63	\$25.17	\$25.63	\$25.63	\$25.63	\$26.29
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$12,854.54	\$9,564.10	\$11,771.50	\$12,024.35	\$14,328.04	\$28,735.46
Administration Costs	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89
Implementation / Participation Costs	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57
Total	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$8,011.14	\$6,380.64	\$8,560.95	\$8,810.74	\$11,086.63	\$25,319.50
Avoided Electric Production Adders	\$0.00	\$2,233.23	\$2,996.33	\$3,083.76	\$3,880.32	\$8,861.83
Avoided Electric Capacity	\$5,076.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11
Avoided Ancillary	\$32.49	\$31.91	\$32.49	\$32.49	\$32.49	\$33.32
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,097.07	\$12,622.89	\$15,566.88	\$15,904.10	\$18,976.55	\$38,191.77
Administration Costs	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89
Implementation / Participation Costs	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$647.73	\$647.73	\$647.73	\$647.73	\$647.73	\$647.73
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
2	15,988	3.462	0.000	Generator
	14,766	3.197	0.000	Meter

Loss Factor: 7.640%

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$183.89	\$463.84	\$0.00	\$1,352.57	\$2,000.30	

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$6,006.68	\$4,784.15	\$6,418.92	\$6,606.21	\$8,312.65	\$18,984.33
Avoided Electric Production Adders	\$0.00	\$1,674.45	\$2,246.62	\$2,312.17	\$2,909.43	\$6,644.51
Avoided Electric Capacity	\$3,741.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33	\$3,080.33
Avoided Ancillary	\$25.63	\$25.17	\$25.63	\$25.63	\$25.63	\$26.29
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$12,854.54	\$9,564.10	\$11,771.50	\$12,024.35	\$14,328.04	\$28,735.46
Administration Costs	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89
Implementation / Participation Costs	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57
Total	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30	\$2,000.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$12,265.60	\$12,052.74	\$12,265.60	\$12,265.60	\$12,265.60	\$12,589.14
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$12,265.60	\$12,052.74	\$12,265.60	\$12,265.60	\$12,265.60	\$12,589.14
Net Fuel Lost Revenue (Electric)	\$9,516.53	\$9,352.91	\$9,516.53	\$9,516.53	\$9,516.53	\$9,769.47
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$9,516.53	\$9,352.91	\$9,516.53	\$9,516.53	\$9,516.53	\$9,769.47
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$8,011.14	\$6,380.64	\$8,560.95	\$8,810.74	\$11,086.63	\$25,319.50
Avoided Electric Production Adders	\$0.00	\$2,233.23	\$2,996.33	\$3,083.76	\$3,880.32	\$8,861.83
Avoided Electric Capacity	\$5,076.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11	\$3,977.11
Avoided Ancillary	\$32.49	\$31.91	\$32.49	\$32.49	\$32.49	\$33.32
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,097.07	\$12,622.89	\$15,566.88	\$15,904.10	\$18,976.55	\$38,191.77
Administration Costs	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89	\$183.89
Implementation / Participation Costs	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84	\$463.84
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$647.73	\$647.73	\$647.73	\$647.73	\$647.73	\$647.73
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57	\$1,352.57
Participant Costs (gross)	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00	\$7,972.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$17,615.62	\$17,309.96	\$17,615.62	\$17,615.62	\$17,615.62	\$18,080.34
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,615.62	\$17,309.96	\$17,615.62	\$17,615.62	\$17,615.62	\$18,080.34

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	2	0	2	0	2	2	\$7,972.00	\$0.00	\$7,972.00
2	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
3	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
4	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
5	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
6	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
7	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
8	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
9	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00
10	0	0	1	0	1	1	\$0.00	\$0.00	\$0.00
11	0	0	1	0	1	1	\$0.00	\$0.00	\$0.00
12	0	0	1	0	1	1	\$0.00	\$0.00	\$0.00
13	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
14	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
15	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00
Totals	2	0	21	0	21	21	\$7,972	\$0	\$7,972

Impacts and Savings																										
Year	Per Participant										Electric Impacts/Savings															
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		
1	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	4.73	4.73	3.46	3.46	0.00	0.00	15,987.64	15,987.64		
2	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
3	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
4	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
5	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
6	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
7	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
8	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
9	2.364	2.364	1.731	1.731	0.000	0.000	7,993.82	7,993.82	5	5	3	3	0	0	15,988	15,988	0	0	0	0	0	0	0	0		
10	2.364	2.364	1.731	1.731	0.000	0.000	7,786.97	7,786.97	2	2	2	2	0	0	7,787	7,787	0	0	0	0	0	0	0	0		
11	2.364	2.364	1.731	1.731	0.000	0.000	7,786.97	7,786.97	2	2	2	2	0	0	7,787	7,787	0	0	0	0	0	0	0	0		
12	2.364	2.364	1.731	1.731	0.000	0.000	7,786.97	7,786.97	2	2	2	2	0	0	7,787	7,787	0	0	0	0	0	0	0	0		
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Totals							95,305	95,305							167,250	167,250									15,988	15,988

Lost Revenue Dollars												
Year	Per Participant			Cumulative			Cumulative (Net Fuel)			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$700.07	\$0.00	\$700.07	\$1,400.15	\$0.00	\$1,400.15	\$1,022.88	\$0.00	\$1,022.88	\$0.00	\$0.00	\$0.00
2	\$735.08	\$0.00	\$735.08	\$1,470.15	\$0.00	\$1,470.15	\$1,092.89	\$0.00	\$1,092.89	\$0.00	\$0.00	\$0.00
3	\$771.83	\$0.00	\$771.83	\$1,543.86	\$0.00	\$1,543.86	\$1,166.40	\$0.00	\$1,166.40	\$0.00	\$0.00	\$0.00
4	\$810.42	\$0.00	\$810.42	\$1,620.85	\$0.00	\$1,620.85	\$1,243.58	\$0.00	\$1,243.58	\$0.00	\$0.00	\$0.00
5	\$850.94	\$0.00	\$850.94	\$1,701.89	\$0.00	\$1,701.89	\$1,324.62	\$0.00	\$1,324.62	\$0.00	\$0.00	\$0.00
6	\$893.49	\$0.00	\$893.49	\$1,786.98	\$0.00	\$1,786.98	\$1,408.72	\$0.00	\$1,408.72	\$0.00	\$0.00	\$0.00
7	\$938.17	\$0.00	\$938.17	\$1,876.33	\$0.00	\$1,876.33	\$1,499.07	\$0.00	\$1,499.07	\$0.00	\$0.00	\$0.00
8	\$947.55	\$0.00	\$947.55	\$1,895.09	\$0.00	\$1,895.09	\$1,517.83	\$0.00	\$1,517.83	\$0.00	\$0.00	\$0.00
9	\$957.02	\$0.00	\$957.02	\$1,914.05	\$0.00	\$1,914.05	\$1,536.78	\$0.00	\$1,536.78	\$0.00	\$0.00	\$0.00
10	\$965.80	\$0.00	\$965.80	\$965.80	\$0.00	\$965.80	\$782.05	\$0.00	\$782.05	\$0.00	\$0.00	\$0.00
11	\$975.46	\$0.00	\$975.46	\$975.46	\$0.00	\$975.46	\$791.71	\$0.00	\$791.71	\$0.00	\$0.00	\$0.00
12	\$985.21	\$0.00	\$985.21	\$985.21	\$0.00	\$985.21	\$801.46	\$0.00	\$801.46	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$10,531.04	\$0.00	\$10,531.04	\$18,135.62	\$0.00	\$18,135.62	\$14,189.00	\$0.00	\$14,189.00	\$0.00	\$0.00	\$0.00

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)	\$/CCF (net)		
1	\$183.89	\$463.84	\$1,352.57	\$0.00	\$2,000.30	\$577.83	\$577.83	\$0.13	\$0.13	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$183.89	\$463.84	\$1,352.57	\$0.00	\$2,000.30	\$577.83	\$577.83	\$0.13	\$0.13	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel		
1	\$526.47	\$184.26	\$368.67	\$3.52	\$1,082.92	\$0.00	\$0.00	\$0.00
2	\$575.29	\$201.35	\$380.65	\$3.52	\$1,160.81	\$0.00	\$0.00	\$0.00
3	\$628.28	\$219.90	\$393.01	\$3.52	\$1,244.70	\$0.00	\$0.00	\$0.00
4	\$693.53	\$239.73	\$405.78	\$3.52	\$1,642.96	\$0.00	\$0.00	\$0.00
5	\$920.91	\$322.32	\$418.97	\$3.52	\$1,665.72	\$0.00	\$0.00	\$0.00
6	\$966.00	\$345.61	\$432.61	\$3.52	\$1,790.72	\$0.00	\$0.00	\$0.00
7	\$1,002.62	\$350.92	\$446.66	\$3.52	\$1,803.72	\$0.00	\$0.00	\$0.00
8	\$1,161.25	\$406.44	\$481.17	\$3.52	\$2,032.38	\$0.00	\$0.00	\$0.00
9	\$1,231.53	\$431.04	\$476.16	\$3.52	\$2,142.34	\$0.00	\$0.00	\$0.00
10	\$646.48	\$226.27	\$245.82	\$1.71	\$1,120.28	\$0.00	\$0.00	\$0.00
11	\$654.17	\$228.96	\$253.81	\$1.71	\$1,138.66	\$0.00	\$0.00	\$0.00
12	\$674.80	\$236.18	\$262.05	\$1.71	\$1,174.75	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$9,931.34	\$3,475.97	\$4,545.37	\$36.79	\$17,989.47	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel		
1	\$402.66	\$239.41	\$368.67	\$3.52	\$1,104.26	\$0.00	\$0.00	\$0.00
2	\$538.35	\$289.94	\$380.65	\$3.52	\$1,212.45	\$0.00	\$0.00	\$0.00
3	\$587.93	\$245.74	\$393.01	\$3.52	\$1,230.20	\$0.00	\$0.00	\$0.00
4	\$654.86	\$257.64	\$405.78	\$3.52	\$1,521.80	\$0.00	\$0.00	\$0.00
5	\$861.77	\$753.27	\$418.97	\$3.52	\$2,037.53	\$0.00	\$0.00	\$0.00
6	\$932.03	\$753.27	\$432.61	\$3.52	\$2,121.43	\$0.00	\$0.00	\$0.00
7	\$938.23	\$753.27	\$446.66	\$3.52	\$2,141.68	\$0.00	\$0.00	\$0.00
8	\$1,086.67	\$753.27	\$461.17	\$3.52	\$2,304.63	\$0.00	\$0.00	\$0.00
9	\$1,152.44	\$753.27	\$476.16	\$3.52	\$2,385.38	\$0.00	\$0.00	\$0.00
10	\$604.96	\$376.63	\$245.82	\$1.71	\$1,229.13	\$0.00	\$0.00	\$0.00
11	\$612.16	\$376.63	\$253.81	\$1.71	\$1,244.32	\$0.00	\$0.00	\$0.00
12	\$631.46	\$376.63	\$262.05	\$1.71	\$1,271.86	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$9,293.52	\$3,928.99	\$4,545.37	\$36.79	\$19,804.68	\$19,804.68	\$0.00	\$0.00

Cost Based NPV				
Year	Energy	Capacity	T&D	Auxiliary
1	402.66	239.41	368.67	3.52
2	498.47	268.46	352.45	3.26
3	504.05	210.68	336.94	3.02
4	678.61	204.53	322.12	2.79
5	633.43	653.68	307.96	2.59
6	634.32	612.66	294.43	2.39
7	691.24	474.69	281.47	2.22
8	634.06	439.53	269.09	2.05
9	622.63	406.97	257.25	1.90
10	302.63	188.41	122.97	0.86
11	283.56	174.48	117.96	0.79
12	270.82	161.53	112.39	0.73
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-
17	-	-	-	-
18	-	-	-	-
19	-	-	-	-
20	-	-	-	-
21	-	-	-	-
22	-	-	-	-
23	-	-	-	-
24	-	-	-	-
25	-	-	-	-
Totals	6,146.49	3,835.00	3,143.31	26.12
	198.81	93.10	62.98	0.49

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.32	5.52	7.09	7.28	8.92	19.20
TRC Test	1.78	1.55	2.00	2.05	2.51	5.42
RIM Test	0.80	0.71	0.90	0.92	1.13	2.37
RIM (Net Fuel)	1.03	0.91	1.15	1.18	1.45	3.05
Societal Test	1.78	1.55	2.00	2.05	2.51	5.42
Participant Test	2.34	2.30	2.34	2.34	2.34	2.40

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,289.95	100.00%
Total Cost / kWh Savings	\$0.0081	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$268.33	20.80%
Allocated Costs / kWh Savings	\$0.0064	79.20%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$15,745.56	\$99,566.80	\$83,821.24	6.32	Utility (PAC) Test
\$83,470.56	\$148,422.97	\$64,952.42	1.78	TRC Test
\$124,543.85	\$99,566.80	(\$24,977.05)	0.80	RIM Test
\$96,967.96	\$99,566.80	\$2,598.84		RIM (Net Fuel)
\$83,470.56	\$148,422.97	\$64,952.42	1.78	Societal Test
\$78,400.00	\$183,470.46	\$105,070.46	2.34	Participant Test

http://caseworks/297/DataRequests/669/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RES-D-E-E-P - Tech=GHP.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$67,485.71	\$53,750.44	\$72,117.26	\$74,221.53	\$93,393.59	\$213,291.06
Avoided Electric Production Adders	\$0.00	\$18,812.65	\$25,241.04	\$25,977.53	\$32,687.76	\$74,651.87
Avoided Electric Capacity	\$17,725.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28
Avoided Ancillary	\$257.09	\$252.49	\$257.09	\$257.09	\$257.09	\$263.70
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$99,566.80	\$86,913.86	\$111,713.68	\$114,554.44	\$140,436.73	\$302,304.91
Administration Costs	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35
Implementation / Participation Costs	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00
Total	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$101,179.38	\$80,586.48	\$108,123.32	\$111,278.19	\$140,022.32	\$319,781.12
Avoided Electric Production Adders	\$0.00	\$28,205.27	\$37,843.16	\$38,947.37	\$49,007.81	\$111,923.39
Avoided Electric Capacity	\$26,610.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54
Avoided Ancillary	\$358.00	\$351.59	\$358.00	\$358.00	\$358.00	\$367.20
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$148,422.97	\$129,418.87	\$166,600.03	\$170,859.09	\$209,663.67	\$452,347.25
Administration Costs	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35
Implementation / Participation Costs	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
7	129,700	12.206	0.000	Generator
	119,791	11.274	0.000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$922.35	\$4,148.20	\$0.00	\$10,675.00	\$15,745.56

Just an FYI. I am finding that the outcome of the TRC test and the Societal test are exactly the same.

For Xcel, the only difference between the two test is that Societal test has Externalities included as a benefit, whereas for OTP our externalities (carbon tax) would be included in our price strip starting in 2017. Being that our externalities are in the price strip these benefits are included in both tests, which may inflate the TRC test. This is no different from 2010 as Carbon tax was included in the price strip there as well.

The reason why the two test were different before is because tax savings were included as a benefit in the societal test. Previously DSMore 2010 included Tax Savings as a benefit in the societal test, but per an email from Jason Crabtree, Integral Analytics removed the Tax Savings benefit from the Societal test in 2011 so the test was better aligned with how California runs the test. - Jason Grenier 4/20/13

4-23-13 UPDATE - For SD we received a price strip without externalities as SD prefers this. All SD runs are done with no externalities included in the price strip. TRC and Societal are still the same.

RIM Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$67,485.71	\$53,750.44	\$72,117.26	\$74,221.53	\$93,393.59	\$213,291.06
Avoided Electric Production Adders	\$0.00	\$18,812.65	\$25,241.04	\$25,977.53	\$32,687.76	\$74,651.87
Avoided Electric Capacity	\$17,725.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28	\$14,098.28
Avoided Ancillary	\$257.09	\$252.49	\$257.09	\$257.09	\$257.09	\$263.70
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$99,566.80	\$86,913.86	\$111,713.68	\$114,554.44	\$140,436.73	\$302,304.91
Administration Costs	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35
Implementation / Participation Costs	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00
Total	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56	\$15,745.56
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$108,798.29	\$106,846.65	\$108,798.29	\$108,798.29	\$108,798.29	\$111,601.80
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$108,798.29	\$106,846.65	\$108,798.29	\$108,798.29	\$108,798.29	\$111,601.80
Net Fuel Lost Revenue (Electric)	\$81,222.40	\$79,764.75	\$81,222.40	\$81,222.40	\$81,222.40	\$83,317.72
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$81,222.40	\$79,764.75	\$81,222.40	\$81,222.40	\$81,222.40	\$83,317.72
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$101,179.38	\$80,586.48	\$108,123.32	\$111,278.19	\$140,022.32	\$319,781.12
Avoided Electric Production Adders	\$0.00	\$28,205.27	\$37,843.16	\$38,947.37	\$49,007.81	\$111,923.39
Avoided Electric Capacity	\$26,610.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54	\$20,275.54
Avoided Ancillary	\$358.00	\$351.59	\$358.00	\$358.00	\$358.00	\$367.20
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$148,422.97	\$129,418.87	\$166,600.03	\$170,859.09	\$209,663.67	\$452,347.25
Administration Costs	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35	\$922.35
Implementation / Participation Costs	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20	\$4,148.20
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56	\$5,070.56
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00	\$10,675.00
Participant Costs (gross)	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00	\$78,400.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$172,795.46	\$169,695.84	\$172,795.46	\$172,795.46	\$172,795.46	\$177,248.05
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$172,795.46	\$169,695.84	\$172,795.46	\$172,795.46	\$172,795.46	\$177,248.05

Participation and Total Participant Costs									
Year	Participation						Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/persist)	One-Time Investment	Annual Investment	Total Costs
1	7	0	7	0	7	7	\$78,400.00	\$0.00	\$78,400.00
2	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
3	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
4	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
5	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
6	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
7	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
8	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
9	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
10	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
11	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
12	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
13	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
14	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
15	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
16	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
17	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
18	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
19	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
20	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
21	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
22	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
23	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
24	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
25	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00
Totals	7	0	105	0	105	105	\$78,400	\$0	\$78,400

Impacts and Savings																								
Year	Per Participant										Electric Impacts/Savings													
	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)				
1	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	30.57	30.57	12.21	12.21	0.00	0.00	129,700.01	129,700.01
2	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
3	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
4	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
5	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
6	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
7	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
8	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
9	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
10	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
11	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
12	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
13	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
14	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
15	4.367	4.367	1.744	1.744	0.000	0.000	18,528.57	18,528.57	31	31	12	12	0	0	129,700	129,700	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							277,929	277,929					1,945,500	1,945,500									129,700	129,700

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Persist Electric	Net Free/Persist Gas	Net Free/Persist Total	Net Fuel Net Free/Persist Electric	Net Fuel Net Free/Persist Gas	Net Fuel Net Free/Persist Total
1	\$1,389.87	\$0.00	\$1,389.87	\$9,729.08	\$0.00	\$9,729.08	\$6,668.52	\$0.00	\$6,668.52
2	\$1,459.96	\$0.00	\$1,459.96	\$10,215.53	\$0.00	\$10,215.53	\$7,154.98	\$0.00	\$7,154.98
3	\$1,532.33	\$0.00	\$1,532.33	\$10,726.31	\$0.00	\$10,726.31	\$7,665.75	\$0.00	\$7,665.75
4	\$1,608.95	\$0.00	\$1,608.95	\$11,262.62	\$0.00	\$11,262.62	\$8,202.07	\$0.00	\$8,202.07
5	\$1,689.39	\$0.00	\$1,689.39	\$11,825.75	\$0.00	\$11,825.75	\$8,765.20	\$0.00	\$8,765.20
6	\$1,773.86	\$0.00	\$1,773.86	\$12,417.04	\$0.00	\$12,417.04	\$9,356.49	\$0.00	\$9,356.49
7	\$1,862.56	\$0.00	\$1,862.56	\$13,037.89	\$0.00	\$13,037.89	\$9,977.34	\$0.00	\$9,977.34
8	\$1,881.18	\$0.00	\$1,881.18	\$13,168.27	\$0.00	\$13,168.27	\$10,107.72	\$0.00	\$10,107.72
9	\$1,899.99	\$0.00	\$1,899.99	\$13,299.95	\$0.00	\$13,299.95	\$10,239.40	\$0.00	\$10,239.40
10	\$1,918.99	\$0.00	\$1,918.99	\$13,432.95	\$0.00	\$13,432.95	\$10,372.40	\$0.00	\$10,372.40
11	\$1,938.18	\$0.00	\$1,938.18	\$13,567.28	\$0.00	\$13,567.28	\$10,506.73	\$0.00	\$10,506.73
12	\$1,957.57	\$0.00	\$1,957.57	\$13,702.96	\$0.00	\$13,702.96	\$10,642.40	\$0.00	\$10,642.40
13	\$1,977.14	\$0.00	\$1,977.14	\$13,839.98	\$0.00	\$13,839.98	\$10,779.43	\$0.00	\$10,779.43
14	\$1,996.91	\$0.00	\$1,996.91	\$13,978.36	\$0.00	\$13,978.36	\$10,917.83	\$0.00	\$10,917.83
15	\$2,016.88	\$0.00	\$2,016.88	\$14,118.17	\$0.00	\$14,118.17	\$11,057.61	\$0.00	\$11,057.61
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$26,903.17	\$0.00	\$26,903.17	\$188,322.17	\$0.00	\$188,322.17	\$142,413.86	\$0.00	\$142,413.86

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/CCF (net)			
1	\$922.35	\$4,148.20	\$10,675.00	\$0.00	\$15,745.56	\$1,289.95	\$1,289.95	\$0.12	\$0.12	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$922.35	\$4,148.20	\$10,675.00	\$0.00	\$15,745.56	\$1,289.95	\$1,289.95	\$0.12	\$0.12	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario										
Year	Cumulative Electric				Cumulative Gas					
	Energy	Address	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total		
1	\$4,270.98	\$1,494.84	\$1,299.98	\$28.53	\$7,094.34	\$0.00	\$0.00	\$0.00		
2	\$4,667.06	\$1,633.47	\$1,342.21	\$28.53	\$7,671.28	\$0.00	\$0.00	\$0.00		
3	\$5,096.92	\$1,783.92	\$1,385.79	\$28.53	\$8,295.16	\$0.00	\$0.00	\$0.00		
4	\$7,411.01	\$2,593.85	\$1,430.83	\$28.53	\$11,464.22	\$0.00	\$0.00	\$0.00		
5	\$7,470.93	\$2,614.83	\$1,477.34	\$28.53	\$11,591.63	\$0.00	\$0.00	\$0.00		
6	\$8,080.03	\$2,828.01	\$1,525.43	\$28.53	\$12,462.00	\$0.00	\$0.00	\$0.00		
7	\$8,133.79	\$2,846.83	\$1,574.99	\$28.53	\$12,584.14	\$0.00	\$0.00	\$0.00		
8	\$9,420.67	\$3,297.24	\$1,626.13	\$28.53	\$14,372.58	\$0.00	\$0.00	\$0.00		
9	\$9,990.52	\$3,496.70	\$1,676.99	\$28.53	\$15,196.13	\$0.00	\$0.00	\$0.00		
10	\$10,767.84	\$3,768.75	\$1,733.55	\$28.53	\$16,298.67	\$0.00	\$0.00	\$0.00		
11	\$10,895.96	\$3,813.59	\$1,789.94	\$28.53	\$16,528.02	\$0.00	\$0.00	\$0.00		
12	\$11,239.53	\$3,933.84	\$1,848.05	\$28.53	\$17,049.95	\$0.00	\$0.00	\$0.00		
13	\$11,738.49	\$4,108.47	\$1,908.10	\$28.53	\$17,783.59	\$0.00	\$0.00	\$0.00		
14	\$12,090.64	\$4,231.72	\$1,970.11	\$28.53	\$18,321.01	\$0.00	\$0.00	\$0.00		
15	\$12,453.36	\$4,358.88	\$2,034.19	\$28.53	\$18,874.76	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$133,728.05	\$46,804.82	\$24,625.63	\$428.01	\$205,586.50	\$0.00	\$0.00	\$0.00		

Cost-Based Avoided Costs (Net Free Riders/Persistence)													
Year	Cumulative Electric				Cumulative Gas								
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Fuel	Total					
1	\$3,996.69	\$844.19	\$1,299.98	\$28.53	\$6,169.40	\$0.00	\$0.00	\$0.00	1.00	3,996.69	844.19	1,299.98	28.53
2	\$4,367.33	\$1,022.35	\$1,342.21	\$28.53	\$6,760.43	\$0.00	\$0.00	\$0.00	0.93	4,043.83	946.62	1,242.79	26.42
3	\$4,769.58	\$866.52	\$1,385.79	\$28.53	\$7,050.42	\$0.00	\$0.00	\$0.00	0.86	4,089.15	742.90	1,188.09	24.46
4	\$6,035.05	\$906.48	\$1,430.83	\$28.53	\$9,302.90	\$0.00	\$0.00	\$0.00	0.79	5,005.27	721.18	1,135.84	22.85
5	\$6,991.13	\$2,656.11	\$1,477.34	\$28.53	\$11,153.11	\$0.00	\$0.00	\$0.00	0.74	5,138.69	1,062.32	1,085.89	20.97
6	\$7,561.11	\$2,656.11	\$1,525.43	\$28.53	\$11,771.19	\$0.00	\$0.00	\$0.00	0.68	5,145.96	1,807.70	1,038.18	19.42
7	\$7,611.42	\$2,656.11	\$1,574.99	\$28.53	\$11,871.05	\$0.00	\$0.00	\$0.00	0.63	4,796.48	1,673.80	992.51	17.98
8	\$8,615.66	\$2,656.11	\$1,626.13	\$28.53	\$13,126.43	\$0.00	\$0.00	\$0.00	0.58	5,143.85	1,549.82	944.83	16.65
9	\$9,349.18	\$2,656.11	\$1,678.99	\$28.53	\$13,712.82	\$0.00	\$0.00	\$0.00	0.54	5,051.07	1,435.01	907.10	15.42
10	\$10,076.31	\$2,656.11	\$1,733.55	\$28.53	\$14,494.50	\$0.00	\$0.00	\$0.00	0.50	5,040.66	1,328.72	867.21	14.27
11	\$10,196.19	\$2,656.11	\$1,789.94	\$28.53	\$14,670.76	\$0.00	\$0.00	\$0.00	0.46	4,722.81	1,200.29	820.99	13.22
12	\$10,517.70	\$2,656.11	\$1,848.05	\$28.53	\$15,050.39	\$0.00	\$0.00	\$0.00	0.43	4,510.86	1,139.16	792.59	12.24
13	\$10,984.61	\$2,656.11	\$1,908.10	\$28.53	\$15,577.36	\$0.00	\$0.00	\$0.00	0.40	4,362.14	1,064.78	757.73	11.33
14	\$11,314.15	\$2,656.11	\$1,970.11	\$28.53	\$15,968.91	\$0.00	\$0.00	\$0.00	0.37	4,160.19	976.65	724.41	10.49
15	\$11,653.58	\$2,656.11	\$2,034.19	\$28.53	\$16,372.41	\$0.00	\$0.00	\$0.00	0.34	3,967.99	904.30	692.96	9.71
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.32	-	-	-	-
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.29	-	-	-	-
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.27	-	-	-	-
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.25	-	-	-	-
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.23	-	-	-	-
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		69,675.25	18,307.44	14,502.81	263.78
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		2,189.54	591.73	404.53	6.88
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					
Totals	\$125,138.70	\$2,656.76	\$24,625.63	\$428.01	\$183,052.09	\$183,052.09	\$0.00	\$0.00					