

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.92	6.32	7.89	8.10	9.90	20.32
TRC Test	3.27	2.61	3.27	3.35	4.10	8.42
RIM Test	1.27	1.02	1.26	1.30	1.58	3.22
RIM (Net Fuel)	1.72	1.38	1.72	1.76	2.15	4.37
Societal Test	3.27	2.61	3.27	3.35	4.10	8.42
Participant Test	2.25	2.23	2.25	2.25	2.25	2.27

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$859.36	100.00%
Total Cost / kWh Savings	\$0.0088	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$248.23	28.89%
Allocated Costs / kWh Savings	\$0.0063	71.11%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$353,000.00	\$2,797,451.02	\$2,444,451.02	7.92	Utility (PAC) Test
\$1,233,714.00	\$4,035,884.55	\$2,802,170.55	3.27	TRC Test
\$2,204,046.20	\$2,797,451.02	\$593,404.83	1.27	RIM Test
\$1,624,391.03	\$2,797,451.02	\$1,173,059.99		RIM (Net Fuel)
\$1,233,714.00	\$4,035,884.55	\$2,802,170.55	3.27	Societal Test
\$1,066,413.00	\$2,394,153.92	\$1,327,740.92	2.25	Participant Test

http://caseworks/297/DataRequests/674/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=ALL - Tech=ALL.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$1,639,578.59	\$1,288,050.39	\$1,699,937.12	\$1,754,391.24	\$2,222,983.28	\$4,949,106.67
Avoided Electric Production Adders	\$0.00	\$450,817.64	\$594,977.99	\$614,036.94	\$778,044.15	\$1,732,187.33
Avoided Electric Capacity	\$665,963.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75
Avoided Ancillary	\$5,404.21	\$5,359.30	\$5,404.21	\$5,404.21	\$5,404.21	\$5,470.15
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
<b>Total</b>	<b>\$2,797,451.02</b>	<b>\$2,230,732.08</b>	<b>\$2,786,824.07</b>	<b>\$2,860,337.14</b>	<b>\$3,492,936.39</b>	<b>\$7,173,268.89</b>
Administration Costs	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00
<b>Total</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Avoided Electric Production	\$2,380,353.58	\$1,869,423.69	\$2,466,656.52	\$2,545,565.34	\$3,225,688.84	\$7,179,239.71
Avoided Electric Production Adders	\$0.00	\$654,298.29	\$863,329.78	\$890,947.87	\$1,128,991.09	\$2,512,733.90
Avoided Electric Capacity	\$957,318.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93
Avoided Ancillary	\$7,433.25	\$7,371.81	\$7,433.25	\$7,433.25	\$7,433.25	\$7,523.24
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
<b>Total</b>	<b>\$4,035,884.55</b>	<b>\$3,221,872.72</b>	<b>\$4,028,198.48</b>	<b>\$4,134,725.39</b>	<b>\$5,052,892.11</b>	<b>\$10,390,275.79</b>
Administration Costs	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
904	2,808,649	410.770	0.000	Generator
	2,594,068	379.387	0.000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$159,801.00	\$7,500.00	\$0.00	\$185,699.00	\$353,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,639,578.59	\$1,288,050.39	\$1,699,937.12	\$1,754,391.24	\$2,222,983.28	\$4,949,106.67
Avoided Electric Production Adders	\$0.00	\$450,817.64	\$594,977.99	\$614,036.94	\$778,044.15	\$1,732,187.33
Avoided Electric Capacity	\$665,963.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75	\$486,504.75
Avoided Ancillary	\$5,404.21	\$5,359.30	\$5,404.21	\$5,404.21	\$5,404.21	\$5,404.15
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
<b>Total</b>	<b>\$2,797,451.02</b>	<b>\$2,230,732.08</b>	<b>\$2,786,824.07</b>	<b>\$2,860,337.14</b>	<b>\$3,492,936.39</b>	<b>\$7,173,268.89</b>
Administration Costs	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00
<b>Total</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>	<b>\$353,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,851,046.20	\$1,834,576.58	\$1,851,046.20	\$1,851,046.20	\$1,851,046.20	\$1,875,971.20
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,851,046.20</b>	<b>\$1,834,576.58</b>	<b>\$1,851,046.20</b>	<b>\$1,851,046.20</b>	<b>\$1,851,046.20</b>	<b>\$1,875,971.20</b>
Net Fuel Lost Revenue (Electric)	\$1,271,391.03	\$1,259,713.13	\$1,271,391.03	\$1,271,391.03	\$1,271,391.03	\$1,289,243.74
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,271,391.03</b>	<b>\$1,259,713.13</b>	<b>\$1,271,391.03</b>	<b>\$1,271,391.03</b>	<b>\$1,271,391.03</b>	<b>\$1,289,243.74</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,380,353.58	\$1,869,423.69	\$2,466,656.52	\$2,545,565.34	\$3,225,888.84	\$7,179,239.71
Avoided Electric Production Adders	\$0.00	\$654,298.29	\$863,329.78	\$890,947.87	\$1,128,991.09	\$2,512,733.90
Avoided Electric Capacity	\$957,318.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93	\$690,778.93
Avoided Ancillary	\$7,433.25	\$7,371.81	\$7,433.25	\$7,433.25	\$7,433.25	\$7,523.24
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
<b>Total</b>	<b>\$4,035,884.55</b>	<b>\$3,221,872.72</b>	<b>\$4,028,198.48</b>	<b>\$4,134,725.39</b>	<b>\$5,052,892.11</b>	<b>\$10,390,275.79</b>
Administration Costs	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00	\$159,801.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>	<b>\$167,301.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00	\$185,699.00
Participant Costs (gross)	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00	\$1,066,413.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,208,454.92	\$2,187,395.49	\$2,208,454.92	\$2,208,454.92	\$2,208,454.92	\$2,240,096.44
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$2,208,454.92</b>	<b>\$2,187,395.49</b>	<b>\$2,208,454.92</b>	<b>\$2,208,454.92</b>	<b>\$2,208,454.92</b>	<b>\$2,240,096.44</b>



Utility Program Costs										
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Riders	Other	Total	\$/kW	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$159,801.00	\$7,500.00	\$185,699.00	\$0.00	\$353,000.00	\$859.36	\$859.36	\$0.13	\$0.13	\$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
<b>Totals</b>	<b>\$159,801.00</b>	<b>\$7,500.00</b>	<b>\$185,699.00</b>	<b>\$0.00</b>	<b>\$353,000.00</b>	<b>\$859.36</b>	<b>\$859.36</b>	<b>\$0.13</b>	<b>\$0.13</b>	<b>\$0.00</b>

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
1	\$108,333.74	\$37,916.81	\$46,634.71	\$617.90	\$193,503.16	\$0.00
2	\$157,519.13	\$55,151.70	\$46,150.45	\$617.90	\$261,419.18	\$0.00
3	\$158,792.89	\$55,577.51	\$49,715.48	\$617.90	\$264,703.79	\$0.00
4	\$171,739.07	\$60,108.67	\$51,333.92	\$617.90	\$283,799.56	\$0.00
5	\$172,881.70	\$60,508.60	\$53,001.64	\$617.90	\$287,009.85	\$0.00
6	\$197,938.00	\$69,278.30	\$53,346.15	\$611.37	\$321,173.82	\$0.00
7	\$209,917.33	\$73,471.07	\$55,080.04	\$611.37	\$339,079.81	\$0.00
8	\$226,243.42	\$79,185.20	\$56,869.99	\$611.37	\$362,909.98	\$0.00
9	\$228,938.27	\$80,127.34	\$58,720.01	\$611.37	\$368,309.99	\$0.00
10	\$234,314.97	\$82,010.24	\$60,338.12	\$606.71	\$377,270.03	\$0.00
11	\$244,716.91	\$85,650.92	\$62,298.91	\$606.71	\$383,273.44	\$0.00
12	\$252,058.42	\$88,220.45	\$64,323.47	\$606.71	\$406,209.03	\$0.00
13	\$206,914.49	\$72,420.07	\$56,604.90	\$490.32	\$490,320.78	\$0.00
14	\$213,121.92	\$74,592.67	\$58,445.87	\$490.32	\$346,650.79	\$0.00
15	\$219,515.58	\$76,830.45	\$58,445.87	\$490.32	\$355,282.23	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$3,002,942.83</b>	<b>\$1,051,029.99</b>	<b>\$833,309.53</b>	<b>\$6,826.08</b>	<b>\$4,896,108.43</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$104,328.65	\$29,160.05	\$46,634.71	\$617.90	\$180,741.31	\$0.00
2	\$151,695.66	\$30,572.17	\$48,150.45	\$617.90	\$231,036.19	\$0.00
3	\$152,922.33	\$89,383.65	\$49,715.48	\$617.90	\$292,639.37	\$0.00
4	\$165,369.69	\$89,383.65	\$51,333.92	\$617.90	\$306,725.36	\$0.00
5	\$166,490.28	\$89,383.65	\$53,001.64	\$617.90	\$309,493.48	\$0.00
6	\$190,706.13	\$87,135.09	\$53,346.15	\$611.37	\$331,798.74	\$0.00
7	\$202,247.79	\$87,135.09	\$55,080.04	\$611.37	\$345,074.29	\$0.00
8	\$217,977.38	\$87,135.09	\$56,869.99	\$611.37	\$362,593.84	\$0.00
9	\$220,570.88	\$87,135.09	\$58,720.01	\$611.37	\$367,037.35	\$0.00
10	\$225,804.95	\$86,721.21	\$60,338.12	\$606.71	\$373,470.99	\$0.00
11	\$235,828.11	\$86,721.21	\$62,298.91	\$606.71	\$385,455.94	\$0.00
12	\$242,903.98	\$86,721.21	\$64,323.47	\$606.71	\$394,555.36	\$0.00
13	\$201,185.87	\$73,910.84	\$56,604.90	\$490.32	\$332,191.92	\$0.00
14	\$207,221.44	\$73,910.84	\$58,445.87	\$490.32	\$340,068.47	\$0.00
15	\$213,438.09	\$73,910.84	\$58,445.87	\$490.32	\$346,285.12	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$2,898,712.44</b>	<b>\$1,158,318.67</b>	<b>\$833,309.53</b>	<b>\$6,826.08</b>	<b>\$4,898,167.72</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Ancillary
1.00	104,328.65	29,160.05	46,634.71	617.90
0.93	140,458.95	28,307.87	44,583.75	572.13
0.86	131,106.25	76,632.07	42,623.01	529.75
0.79	131,291.83	70,959.62	40,760.32	485.51
0.74	122,375.33	65,699.65	38,967.79	454.18
0.68	129,791.39	59,302.68	36,306.49	416.09
0.63	127,450.41	54,909.69	34,709.77	385.27
0.58	121,187.71	50,942.49	32,183.09	358.73
0.54	116,167.58	47,076.38	31,724.59	330.31
0.50	112,959.69	43,382.20	30,184.08	303.50
0.46	108,234.51	40,168.70	28,895.45	281.02
0.43	104,177.35	37,193.24	27,687.23	260.21
0.40	79,893.68	29,351.01	22,478.58	194.71
0.37	76,194.89	27,176.86	21,490.43	180.29
0.34	72,967.35	25,163.76	19,899.54	166.83
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
1.688	284.58	685,322.16	499,969.05	5,539.54
48,705.99	19,356.68	13,464.30	136.33	

Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.26	6.32	8.35	8.66	10.86	24.18
TRC Test	2.88	3.01	3.84	3.99	5.00	11.13
RIM Test	0.73	0.74	0.97	1.00	1.26	2.76
RIM (Net Fuel)	0.94	0.95	1.25	1.29	1.62	3.57
Societal Test	2.88	2.91	3.84	3.99	5.00	11.13
Participant Test	3.69	3.66	3.69	3.69	3.69	3.74

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$3,354.80	100.00%
Total Cost / kWh Savings	\$0.01	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based Avoided Costs</b>		
Allocated Costs / kW Savings	\$245.37	7.31%
Allocated Costs / kWh Savings	\$0.01	92.69%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$13,000.00	\$81,426.61	\$68,426.61	6.26	Utility (PAC) Test
\$38,500.00	\$110,897.06	\$72,397.06	2.88	TRC Test
\$112,251.52	\$81,426.61	(\$30,824.91)	0.73	RIM Test
\$87,045.13	\$81,426.61	(\$5,618.52)		RIM (Net Fuel)
\$38,500.00	\$110,897.06	\$72,397.06	2.88	Societal Test
\$31,500.00	\$116,228.73	\$84,728.73	3.69	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$71,473.47	\$57,658.65	\$77,216.29	\$80,220.23	\$101,382.76	\$229,614.88
Avoided Electric Production Adders	\$0.00	\$20,180.53	\$27,025.70	\$28,077.08	\$35,483.97	\$80,365.21
Avoided Electric Capacity	\$5,640.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07
Avoided Ancillary	\$235.00	\$233.24	\$235.00	\$235.00	\$235.00	\$238.64
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
<b>Total</b>	<b>\$81,426.61</b>	<b>\$82,150.49</b>	<b>\$108,555.07</b>	<b>\$112,610.38</b>	<b>\$141,179.80</b>	<b>\$314,296.81</b>
Administration Costs	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00
<b>Total</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$97,469.52	\$78,630.03	\$105,301.10	\$109,397.61	\$138,257.30	\$313,129.49
Avoided Electric Production Adders	\$0.00	\$27,520.51	\$36,855.38	\$38,289.16	\$48,390.05	\$109,595.32
Avoided Electric Capacity	\$7,676.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51
Avoided Ancillary	\$307.25	\$304.94	\$307.25	\$307.25	\$307.25	\$312.01
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
<b>Total</b>	<b>\$110,897.06</b>	<b>\$111,898.99</b>	<b>\$147,907.24</b>	<b>\$153,437.53</b>	<b>\$192,398.11</b>	<b>\$428,480.34</b>
Administration Costs	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
15	134,044	3,875	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$7,000.00	\$0.00	\$0.00	\$6,000.00	\$13,000.00

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.

Avoided Electric Production	\$71,473.47	\$57,658.65	\$77,216.29	\$80,220.23	\$101,382.76	\$229,614.88
Avoided Electric Production Adders	\$0.00	\$20,180.53	\$27,025.70	\$28,077.08	\$35,483.97	\$80,365.21
Avoided Electric Capacity	\$5,640.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07	\$4,078.07
Avoided Ancillary	\$235.00	\$233.24	\$235.00	\$235.00	\$235.00	\$238.64
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
<b>Total</b>	<b>\$81,426.61</b>	<b>\$82,150.49</b>	<b>\$108,555.07</b>	<b>\$112,610.38</b>	<b>\$141,179.80</b>	<b>\$314,296.81</b>
Administration Costs	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00
<b>Total</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>	<b>\$13,000.00</b>
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$99,251.52	\$98,508.95	\$99,251.52	\$99,251.52	\$99,251.52	\$100,716.13
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$99,251.52</b>	<b>\$98,508.95</b>	<b>\$99,251.52</b>	<b>\$99,251.52</b>	<b>\$99,251.52</b>	<b>\$100,716.13</b>
Net Fuel Lost Revenue (Electric)	\$74,045.13	\$73,488.51	\$74,045.13	\$74,045.13	\$74,045.13	\$75,119.22
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$74,045.13</b>	<b>\$73,488.51</b>	<b>\$74,045.13</b>	<b>\$74,045.13</b>	<b>\$74,045.13</b>	<b>\$75,119.22</b>
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$97,469.52	\$78,630.03	\$105,301.10	\$109,397.61	\$138,257.30	\$313,129.49
Avoided Electric Production Adders	\$0.00	\$27,520.51	\$36,855.38	\$38,289.16	\$48,390.05	\$109,595.32
Avoided Electric Capacity	\$7,676.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51	\$5,443.51
Avoided Ancillary	\$307.25	\$304.94	\$307.25	\$307.25	\$307.25	\$312.01
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
<b>Total</b>	<b>\$110,897.06</b>	<b>\$111,898.99</b>	<b>\$147,907.24</b>	<b>\$153,437.53</b>	<b>\$192,398.11</b>	<b>\$428,480.34</b>
Administration Costs	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>	<b>\$7,000.00</b>
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00
Participant Costs (gross)	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00	\$31,500.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$110,228.73	\$109,404.03	\$110,228.73	\$110,228.73	\$110,228.73	\$111,855.33
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$110,228.73</b>	<b>\$109,404.03</b>	<b>\$110,228.73</b>	<b>\$110,228.73</b>	<b>\$110,228.73</b>	<b>\$111,855.33</b>



Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Other	Total	\$/kW	\$/kWh (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$7,000.00	\$0.00	\$6,000.00	\$0.00	\$13,000.00	\$3,354.80	\$3,354.80	\$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
<b>Totals</b>	<b>\$7,000.00</b>	<b>\$0.00</b>	<b>\$6,000.00</b>	<b>\$0.00</b>	<b>\$13,000.00</b>	<b>\$3,354.80</b>	<b>\$3,354.80</b>	<b>\$0.10</b>	<b>\$0.10</b>	<b>\$0.00</b>	<b>\$0.00</b>

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address	T&D	Auxiliary	Gas Distribution	Gas Fuel
1	\$5,612.11	\$1,964.24	\$439.93	\$29.49	\$8,045.77	\$0.00
2	\$8,160.11	\$2,856.04	\$454.23	\$29.49	\$11,490.96	\$0.00
3	\$8,226.09	\$2,879.13	\$469.00	\$29.49	\$11,603.71	\$0.00
4	\$8,896.75	\$3,113.86	\$484.26	\$29.49	\$12,524.37	\$0.00
5	\$8,955.95	\$3,134.58	\$500.00	\$29.49	\$12,620.01	\$0.00
6	\$10,372.91	\$3,630.52	\$516.23	\$29.49	\$14,549.15	\$0.00
7	\$11,000.69	\$3,850.24	\$533.01	\$29.49	\$15,413.43	\$0.00
8	\$11,856.25	\$4,149.69	\$550.33	\$29.49	\$16,585.76	\$0.00
9	\$11,897.32	\$4,199.06	\$568.24	\$29.49	\$16,794.10	\$0.00
10	\$12,375.62	\$4,331.47	\$586.68	\$29.49	\$17,323.25	\$0.00
11	\$12,925.01	\$4,523.75	\$605.75	\$29.49	\$18,084.00	\$0.00
12	\$13,312.76	\$4,659.46	\$625.43	\$29.49	\$18,627.14	\$0.00
13	\$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
15	\$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
17	\$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
19	\$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
21	\$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
23	\$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
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Totals</b>	<b>\$123,691.55</b>	<b>\$43,292.04</b>	<b>\$6,333.09</b>	<b>\$353.88</b>	<b>\$173,670.56</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel
1	\$5,194.72	\$275.08	\$439.93	\$29.49	\$5,939.23	\$0.00
2	\$7,553.21	\$288.41	\$454.23	\$29.49	\$8,325.34	\$0.00
3	\$7,614.29	\$843.21	\$469.00	\$29.49	\$8,955.99	\$0.00
4	\$8,225.07	\$843.21	\$484.26	\$29.49	\$9,592.04	\$0.00
5	\$8,289.86	\$843.21	\$500.00	\$29.49	\$9,662.56	\$0.00
6	\$9,801.44	\$843.21	\$516.23	\$29.49	\$10,990.38	\$0.00
7	\$10,182.53	\$843.21	\$533.01	\$29.49	\$11,588.24	\$0.00
8	\$10,974.46	\$843.21	\$550.33	\$29.49	\$12,397.50	\$0.00
9	\$11,105.04	\$843.21	\$568.24	\$29.49	\$12,545.97	\$0.00
10	\$11,455.20	\$843.21	\$586.68	\$29.49	\$12,914.58	\$0.00
11	\$11,983.73	\$843.21	\$605.75	\$29.49	\$13,442.16	\$0.00
12	\$12,322.64	\$843.21	\$625.43	\$29.49	\$13,820.78	\$0.00
13	\$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
15	\$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
17	\$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
19	\$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
21	\$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
23	\$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
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Totals</b>	<b>\$114,492.22</b>	<b>\$8,995.59</b>	<b>\$6,333.09</b>	<b>\$353.88</b>	<b>\$130,174.78</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	\$ 1,164.72	275.08	439.93	29.49
0.93	6,993.72	287.04	420.59	27.31
0.86	6,528.03	722.92	402.09	29.29
0.79	6,537.27	699.37	384.42	23.41
0.74	6,093.30	619.78	387.51	21.68
0.68	6,534.58	873.87	351.34	20.07
0.63	6,416.72	531.37	335.89	18.58
0.58	6,403.49	492.00	321.11	17.21
0.54	5,999.71	455.56	307.00	15.93
0.50	5,730.45	421.81	293.49	14.75
0.46	5,241.92	390.87	280.98	13.66
0.43	2,264.97	361.64	268.24	12.65
0.40	-	-	-	-
0.37	-	-	-	-
0.34	-	-	-	-
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	<b>73,258.48</b>	<b>5,781.02</b>	<b>4,172.19</b>	<b>240.02</b>
	<b>1,786.01</b>	<b>140.96</b>	<b>94.11</b>	<b>5.01</b>



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
		Utility (PAC) Test	9.36	7.39	9.19	9.44
TRC Test	3.50	2.77	3.44	3.53	4.32	8.82
RIM Test	1.39	1.10	1.37	1.40	1.71	3.46
RIM (Net Fuel)	1.94	1.54	1.90	1.95	2.38	4.82
Societal Test	3.50	2.77	3.44	3.53	4.32	8.82
Participant Test	2.00	1.99	2.00	2.00	2.00	2.02

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$709.96	100.00%
Total Cost / kWh Savings	\$0.0076	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$211.04	29.73%
Allocated Costs / kWh Savings	\$0.0053	70.27%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$258,000.00	\$2,415,544.49	\$2,157,544.49	9.36	Utility (PAC) Test
\$999,518.00	\$3,493,634.93	\$2,494,116.93	3.50	TRC Test
\$1,737,064.02	\$2,415,544.49	\$678,480.46	1.39	RIM Test
\$1,247,302.36	\$2,415,544.49	\$1,168,242.12		RIM (Net Fuel)
\$999,518.00	\$3,493,634.93	\$2,494,116.93	3.50	Societal Test
\$900,513.00	\$1,801,643.50	\$901,130.50	2.00	Participant Test

http://caseworks/297/DataRequests/674/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
		<b>Utility (PAC) Test</b>				
Avoided Electric Production	\$1,392,001.77	\$1,090,852.01	\$1,435,164.92	\$1,481,847.51	\$1,880,077.37	\$4,165,018.02
Avoided Electric Production Adders	\$0.00	\$381,798.20	\$502,307.72	\$518,646.63	\$658,027.08	\$1,457,756.31
Avoided Electric Capacity	\$588,791.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20
Avoided Ancillary	\$4,566.12	\$4,536.37	\$4,566.12	\$4,566.12	\$4,566.12	\$4,610.41
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
<b>Total</b>	<b>\$2,415,544.49</b>	<b>\$1,907,372.77</b>	<b>\$2,372,224.96</b>	<b>\$2,435,246.45</b>	<b>\$2,972,856.76</b>	<b>\$6,057,570.93</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
<b>Total</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$2,029,951.41	\$1,590,323.57	\$2,091,906.49	\$2,159,813.09	\$2,740,349.73	\$6,069,408.04
Avoided Electric Production Adders	\$0.00	\$556,613.25	\$732,167.27	\$755,934.58	\$959,122.41	\$2,124,292.81
Avoided Electric Capacity	\$846,490.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12
Avoided Ancillary	\$6,305.07	\$6,264.03	\$6,305.07	\$6,305.07	\$6,305.07	\$6,365.92
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
<b>Total</b>	<b>\$3,493,634.93</b>	<b>\$2,764,088.97</b>	<b>\$3,441,266.95</b>	<b>\$3,532,940.86</b>	<b>\$4,316,665.32</b>	<b>\$8,810,954.88</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
99	2,354,244	363,401	0,000	Generator
	2,174,380	335,638	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$99,005.00	\$0.00	\$0.00	\$158,995.00	\$258,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,392,001.17	\$1,090,852.01	\$1,435,164.92	\$1,481,847.51	\$1,880,077.37	\$4,165,018.02
Avoided Electric Production Adders	\$0.00	\$381,798.20	\$502,307.72	\$518,646.63	\$658,027.08	\$1,457,756.31
Avoided Electric Capacity	\$588,791.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20
Avoided Ancillary	\$4,566.12	\$4,536.37	\$4,566.12	\$4,566.12	\$4,566.12	\$4,610.41
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
<b>Total</b>	<b>\$2,415,544.49</b>	<b>\$1,907,372.77</b>	<b>\$2,372,224.96</b>	<b>\$2,435,246.45</b>	<b>\$2,972,856.76</b>	<b>\$6,057,570.93</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
<b>Total</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,479,064.02	\$1,469,330.23	\$1,479,064.02	\$1,479,064.02	\$1,479,064.02	\$1,494,349.11
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,479,064.02</b>	<b>\$1,469,330.23</b>	<b>\$1,479,064.02</b>	<b>\$1,479,064.02</b>	<b>\$1,479,064.02</b>	<b>\$1,494,349.11</b>
Net Fuel Lost Revenue (Electric)	\$989,302.36	\$982,734.89	\$989,302.36	\$989,302.36	\$989,302.36	\$999,836.85
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$989,302.36</b>	<b>\$982,734.89</b>	<b>\$989,302.36</b>	<b>\$989,302.36</b>	<b>\$989,302.36</b>	<b>\$999,836.85</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,029,951.41	\$1,590,323.57	\$2,091,906.49	\$2,159,813.09	\$2,740,349.73	\$6,069,408.04
Avoided Electric Production Adders	\$0.00	\$556,613.25	\$732,167.27	\$755,934.58	\$959,122.41	\$2,124,292.81
Avoided Electric Capacity	\$846,490.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12
Avoided Ancillary	\$6,305.07	\$6,264.03	\$6,305.07	\$6,305.07	\$6,305.07	\$6,365.92
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
<b>Total</b>	<b>\$3,493,634.93</b>	<b>\$2,764,088.97</b>	<b>\$3,441,266.95</b>	<b>\$3,532,940.86</b>	<b>\$4,316,665.32</b>	<b>\$8,810,954.88</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
Participant Costs (gross)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,642,648.50	\$1,631,838.16	\$1,642,648.50	\$1,642,648.50	\$1,642,648.50	\$1,659,624.12
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,642,648.50</b>	<b>\$1,631,838.16</b>	<b>\$1,642,648.50</b>	<b>\$1,642,648.50</b>	<b>\$1,642,648.50</b>	<b>\$1,659,624.12</b>

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.36	7.39	9.19	9.44	11.52	23.48
TRC Test	3.50	2.77	3.44	3.53	4.32	8.82
RIM Test	1.39	1.10	1.37	1.40	1.71	3.46
RIM (Net Fuel)	1.94	1.54	1.90	1.95	2.38	4.82
Societal Test	3.50	2.77	3.44	3.53	4.32	8.82
Participant Test	2.00	1.99	2.00	2.00	2.00	2.02

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$709.96	100.00%
Total Cost / kWh Savings	\$0.0076	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$211.04	29.73%
Allocated Costs / kWh Savings	\$0.0053	70.27%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$258,000.00	\$2,415,544.49	\$2,157,544.49	9.36	Utility (PAC) Test
\$999,518.00	\$3,493,634.93	\$2,494,116.93	3.50	TRC Test
\$1,737,064.02	\$2,415,544.49	\$678,480.46	1.39	RIM Test
\$1,247,302.36	\$2,415,544.49	\$1,168,242.12		RIM (Net Fuel)
\$999,518.00	\$3,493,634.93	\$2,494,116.93	3.50	Societal Test
\$900,513.00	\$1,801,643.50	\$901,130.50	2.00	Participant Test

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Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$1,392,001.77	\$1,090,852.01	\$1,435,164.92	\$1,481,847.51	\$1,880,077.37	\$4,165,018.02
Avoided Electric Production Adders	\$0.00	\$381,798.20	\$502,307.72	\$518,646.63	\$658,027.08	\$1,457,756.31
Avoided Electric Capacity	\$588,791.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20
Avoided Ancillary	\$4,566.12	\$4,536.37	\$4,566.12	\$4,566.12	\$4,566.12	\$4,610.41
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
<b>Total</b>	<b>\$2,415,544.49</b>	<b>\$1,907,372.77</b>	<b>\$2,372,224.96</b>	<b>\$2,435,246.45</b>	<b>\$2,972,856.76</b>	<b>\$6,057,570.93</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
<b>Total</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Avoided Electric Production	\$2,029,951.41	\$1,590,323.57	\$2,091,906.49	\$2,159,813.09	\$2,740,349.73	\$6,069,408.04
Avoided Electric Production Adders	\$0.00	\$556,613.25	\$732,167.27	\$755,934.58	\$959,122.41	\$2,124,292.81
Avoided Electric Capacity	\$846,490.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12
Avoided Ancillary	\$6,305.07	\$6,264.03	\$6,305.07	\$6,305.07	\$6,305.07	\$6,365.92
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
<b>Total</b>	<b>\$3,493,634.93</b>	<b>\$2,764,088.97</b>	<b>\$3,441,266.95</b>	<b>\$3,532,940.86</b>	<b>\$4,316,665.32</b>	<b>\$8,810,954.88</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
99	2,354,244	363,401	0,000	Generator
	2,174,380	335,638	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$99,005.00	\$0.00	\$0.00	\$158,995.00	\$258,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,392,001.17	\$1,090,852.01	\$1,435,164.92	\$1,481,847.51	\$1,880,077.37	\$4,165,018.02
Avoided Electric Production Adders	\$0.00	\$381,798.20	\$502,307.72	\$518,646.63	\$658,027.08	\$1,457,756.31
Avoided Electric Capacity	\$588,791.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20	\$430,186.20
Avoided Ancillary	\$4,566.12	\$4,536.37	\$4,566.12	\$4,566.12	\$4,566.12	\$4,610.41
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
<b>Total</b>	<b>\$2,415,544.49</b>	<b>\$1,907,372.77</b>	<b>\$2,372,224.96</b>	<b>\$2,435,246.45</b>	<b>\$2,972,856.76</b>	<b>\$6,057,570.93</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
<b>Total</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>	<b>\$258,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,479,064.02	\$1,469,330.23	\$1,479,064.02	\$1,479,064.02	\$1,479,064.02	\$1,494,349.11
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,479,064.02</b>	<b>\$1,469,330.23</b>	<b>\$1,479,064.02</b>	<b>\$1,479,064.02</b>	<b>\$1,479,064.02</b>	<b>\$1,494,349.11</b>
Net Fuel Lost Revenue (Electric)	\$989,302.36	\$982,734.89	\$989,302.36	\$989,302.36	\$989,302.36	\$999,836.85
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$989,302.36</b>	<b>\$982,734.89</b>	<b>\$989,302.36</b>	<b>\$989,302.36</b>	<b>\$989,302.36</b>	<b>\$999,836.85</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$2,029,951.41	\$1,590,323.57	\$2,091,906.49	\$2,159,813.09	\$2,740,349.73	\$6,069,408.04
Avoided Electric Production Adders	\$0.00	\$556,613.25	\$732,167.27	\$755,934.58	\$959,122.41	\$2,124,292.81
Avoided Electric Capacity	\$846,490.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12	\$610,888.12
Avoided Ancillary	\$6,305.07	\$6,264.03	\$6,305.07	\$6,305.07	\$6,305.07	\$6,365.92
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
<b>Total</b>	<b>\$3,493,634.93</b>	<b>\$2,764,088.97</b>	<b>\$3,441,266.95</b>	<b>\$3,532,940.86</b>	<b>\$4,316,665.32</b>	<b>\$8,810,954.88</b>
Administration Costs	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00	\$99,005.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>	<b>\$99,005.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00	\$158,995.00
Participant Costs (gross)	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00	\$900,513.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,642,648.50	\$1,631,838.16	\$1,642,648.50	\$1,642,648.50	\$1,642,648.50	\$1,659,624.12
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$1,642,648.50</b>	<b>\$1,631,838.16</b>	<b>\$1,642,648.50</b>	<b>\$1,642,648.50</b>	<b>\$1,642,648.50</b>	<b>\$1,659,624.12</b>

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.48	6.82	8.24	8.41	10.13	19.64
TRC Test	3.94	2.84	3.43	3.51	4.23	8.22
RIM Test	1.79	1.29	1.55	1.58	1.91	3.68
RIM (Net Fuel)	2.58	1.86	2.24	2.29	2.75	5.32
Societal Test	3.94	2.84	3.43	3.51	4.23	8.22
Participant Test	1.72	1.71	1.72	1.72	1.72	1.72

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$592.06	100.00%
Total Cost / kWh Savings	\$0.0087	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$227.59	38.44%
Allocated Costs / kWh Savings	\$0.0054	61.56%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$63,000.00	\$597,393.77	\$534,393.77	9.48	Utility (PAC) Test
\$221,180.00	\$871,536.06	\$650,356.06	3.94	TRC Test
\$334,351.78	\$597,393.77	\$263,041.99	1.79	RIM Test
\$231,720.78	\$597,393.77	\$365,672.99		RIM (Net Fuel)
\$221,180.00	\$871,536.06	\$650,356.06	3.94	Societal Test
\$200,200.00	\$343,383.28	\$143,183.28	1.72	Participant Test

http://caseworks/297/DataRequests/674/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
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$286,627.96	\$220,553.08	\$286,816.76	\$294,931.95	\$375,167.81	\$818,749.60
Avoided Electric Production Adders	\$0.00	\$77,193.58	\$100,385.87	\$103,226.18	\$131,308.73	\$286,562.36
Avoided Electric Capacity	\$178,980.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33
Avoided Ancillary	\$956.84	\$951.17	\$956.84	\$956.84	\$956.84	\$962.87
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
<b>Total</b>	<b>\$597,393.77</b>	<b>\$429,526.16</b>	<b>\$518,987.81</b>	<b>\$529,943.31</b>	<b>\$638,261.72</b>	<b>\$1,237,103.17</b>
Administration Costs	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00
<b>Total</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Avoided Electric Production	\$422,122.32	\$324,812.62	\$422,400.38	\$434,351.77	\$552,516.61	\$1,205,787.77
Avoided Electric Production Adders	\$0.00	\$113,684.42	\$147,840.13	\$152,023.12	\$193,380.81	\$422,025.72
Avoided Electric Capacity	\$260,067.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25
Avoided Ancillary	\$1,332.40	\$1,324.50	\$1,332.40	\$1,332.40	\$1,332.40	\$1,340.79
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
<b>Total</b>	<b>\$871,536.06</b>	<b>\$627,835.78</b>	<b>\$759,587.16</b>	<b>\$775,721.53</b>	<b>\$935,244.07</b>	<b>\$1,817,168.53</b>
Administration Costs	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
31	482,713	106,407	0,000	Generator
	445,834	98,278	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$20,980.00	\$0.00	\$0.00	\$42,020.00	\$63,000.00

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.

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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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$286,627.96	\$220,553.08	\$286,816.76	\$294,931.95	\$375,167.81	\$818,749.60
Avoided Electric Production Adders	\$0.00	\$77,193.58	\$100,385.87	\$103,226.18	\$131,308.73	\$286,562.36
Avoided Electric Capacity	\$178,980.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33	\$130,828.33
Avoided Ancillary	\$956.84	\$951.17	\$956.84	\$956.84	\$956.84	\$962.87
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
<b>Total</b>	<b>\$597,393.77</b>	<b>\$429,526.16</b>	<b>\$518,987.81</b>	<b>\$529,943.31</b>	<b>\$638,261.72</b>	<b>\$1,237,103.17</b>
Administration Costs	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00
<b>Total</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>	<b>\$63,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$271,351.78	\$269,905.83	\$271,351.78	\$271,351.78	\$271,351.78	\$272,902.23
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$271,351.78</b>	<b>\$269,905.83</b>	<b>\$271,351.78</b>	<b>\$271,351.78</b>	<b>\$271,351.78</b>	<b>\$272,902.23</b>
Net Fuel Lost Revenue (Electric)	\$168,720.78	\$167,883.39	\$168,720.78	\$168,720.78	\$168,720.78	\$169,624.74
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$168,720.78</b>	<b>\$167,883.39</b>	<b>\$168,720.78</b>	<b>\$168,720.78</b>	<b>\$168,720.78</b>	<b>\$169,624.74</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>						
Avoided Electric Production	\$422,122.32	\$324,812.62	\$422,400.38	\$434,351.77	\$552,516.61	\$1,205,787.77
Avoided Electric Production Adders	\$0.00	\$113,684.42	\$147,840.13	\$152,023.12	\$193,380.81	\$422,025.72
Avoided Electric Capacity	\$260,067.09	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25	\$188,014.25
Avoided Ancillary	\$1,332.40	\$1,324.50	\$1,332.40	\$1,332.40	\$1,332.40	\$1,340.79
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
<b>Total</b>	<b>\$871,536.06</b>	<b>\$627,835.78</b>	<b>\$759,587.16</b>	<b>\$775,721.53</b>	<b>\$935,244.07</b>	<b>\$1,817,168.53</b>
Administration Costs	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00	\$20,980.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>	<b>\$20,980.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>						
Incentives	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00	\$42,020.00
Participant Costs (gross)	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00	\$200,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$301,363.28	\$299,757.42	\$301,363.28	\$301,363.28	\$301,363.28	\$303,085.22
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$301,363.28</b>	<b>\$299,757.42</b>	<b>\$301,363.28</b>	<b>\$301,363.28</b>	<b>\$301,363.28</b>	<b>\$303,085.22</b>

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	31	0	31	0	31	31	\$200,200.00	\$0.00	\$200,200.00	
2	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
3	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
4	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
5	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
6	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
7	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
8	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
9	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
10	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
11	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
12	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
13	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
14	0	0	31	0	31	31	\$0.00	\$0.00	\$0.00	
15	0	0	31	0	31	31	\$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	
<b>Totals</b>	<b>31</b>	<b>0</b>	<b>465</b>	<b>0</b>	<b>465</b>	<b>465</b>	<b>\$200,200</b>	<b>\$0</b>	<b>\$200,200</b>	

Impacts and Savings																								
Year	Per Participant											Cumulative								Yearly Incremental (Per Participant * Incremental Participants)				
	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)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)		
1	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	33.37	33.37	106.41	106.41	0.00	0.00	482,713.08	482,713.08
2	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
3	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
4	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
5	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
6	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
7	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
8	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
9	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
10	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
11	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
12	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
13	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
14	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	0	0	0	0	0	0	0	0
15	1,076	1,076	3,432	3,432	0.000	0.000	15,571.39	15,571.39	33	33	106	106	0	0	482,713	482,713	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
<b>Totals</b>							<b>233,571</b>	<b>233,571</b>							<b>7,240,696</b>	<b>7,240,696</b>							<b>482,713</b>	<b>482,713</b>

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	\$815.89	\$0.00	\$815.89	\$25,292.71	\$0.00	\$25,292.71	\$13,902.04	\$0.00	\$13,902.04	
2	\$856.69	\$0.00	\$856.69	\$26,557.34	\$0.00	\$26,557.34	\$15,166.68	\$0.00	\$15,166.68	
3	\$899.52	\$0.00	\$899.52	\$27,885.21	\$0.00	\$27,885.21	\$16,494.54	\$0.00	\$16,494.54	
4	\$944.50	\$0.00	\$944.50	\$29,279.47	\$0.00	\$29,279.47	\$17,888.80	\$0.00	\$17,888.80	
5	\$991.72	\$0.00	\$991.72	\$30,743.44	\$0.00	\$30,743.44	\$19,352.78	\$0.00	\$19,352.78	
6	\$1,001.64	\$0.00	\$1,001.64	\$31,050.88	\$0.00	\$31,050.88	\$19,660.21	\$0.00	\$19,660.21	
7	\$1,011.66	\$0.00	\$1,011.66	\$31,361.39	\$0.00	\$31,361.39	\$19,970.72	\$0.00	\$19,970.72	
8	\$1,021.77	\$0.00	\$1,021.77	\$31,675.00	\$0.00	\$31,675.00	\$20,284.33	\$0.00	\$20,284.33	
9	\$1,031.99	\$0.00	\$1,031.99	\$31,991.75	\$0.00	\$31,991.75	\$20,601.08	\$0.00	\$20,601.08	
10	\$1,042.31	\$0.00	\$1,042.31	\$32,311.67	\$0.00	\$32,311.67	\$20,921.00	\$0.00	\$20,921.00	
11	\$1,052.73	\$0.00	\$1,052.73	\$32,634.78	\$0.00	\$32,634.78	\$21,244.12	\$0.00	\$21,244.12	
12	\$1,063.26	\$0.00	\$1,063.26	\$32,961.13	\$0.00	\$32,961.13	\$21,570.47	\$0.00	\$21,570.47	
13	\$1,073.89	\$0.00	\$1,073.89	\$33,290.74	\$0.00	\$33,290.74	\$21,900.08	\$0.00	\$21,900.08	
14	\$1,084.63	\$0.00	\$1,084.63	\$33,623.65	\$0.00	\$33,623.65	\$22,232.99	\$0.00	\$22,232.99	
15	\$1,095.48	\$0.00	\$1,095.48	\$33,959.89	\$0.00	\$33,959.89	\$22,569.22	\$0.00	\$22,569.22	
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	
<b>Totals</b>	<b>\$14,987.71</b>	<b>\$0.00</b>	<b>\$14,987.71</b>	<b>\$464,619.05</b>	<b>\$0.00</b>	<b>\$464,619.05</b>	<b>\$293,759.07</b>	<b>\$0.00</b>	<b>\$293,759.07</b>	

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)		
1	\$20,980.00	\$0.00	\$42,020.00	\$0.00	\$63,000.00	\$592.06	\$92.06	\$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	\$20,980.00	\$0.00	\$42,020.00	\$0.00	\$63,000.00	\$592.06	\$92.06	\$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	Total	
1	\$17,514.99	\$6,130.25	\$12,090.44	\$106.20	\$35,831.88	\$0.00	\$0.00	\$0.00
2	\$25,467.10	\$9,913.49	\$12,473.08	\$106.20	\$48,959.87	\$0.00	\$0.00	\$0.00
3	\$25,673.04	\$8,985.56	\$12,878.50	\$106.20	\$47,643.29	\$0.00	\$0.00	\$0.00
4	\$27,766.13	\$9,718.14	\$13,297.74	\$106.20	\$50,888.21	\$0.00	\$0.00	\$0.00
5	\$27,950.86	\$9,782.80	\$13,729.76	\$106.20	\$51,969.62	\$0.00	\$0.00	\$0.00
6	\$32,373.10	\$11,330.59	\$14,175.60	\$106.20	\$57,985.48	\$0.00	\$0.00	\$0.00
7	\$34,332.34	\$12,016.32	\$14,636.35	\$106.20	\$61,091.21	\$0.00	\$0.00	\$0.00
8	\$37,002.50	\$12,960.88	\$15,111.99	\$106.20	\$65,171.57	\$0.00	\$0.00	\$0.00
9	\$37,442.76	\$13,104.97	\$15,603.59	\$106.20	\$66,257.52	\$0.00	\$0.00	\$0.00
10	\$38,623.41	\$13,518.19	\$16,110.09	\$106.20	\$68,367.89	\$0.00	\$0.00	\$0.00
11	\$40,338.01	\$14,118.30	\$16,633.62	\$106.20	\$71,196.13	\$0.00	\$0.00	\$0.00
12	\$41,548.15	\$14,541.85	\$17,174.17	\$106.20	\$73,370.37	\$0.00	\$0.00	\$0.00
13	\$42,794.60	\$14,978.11	\$17,732.81	\$106.20	\$75,811.71	\$0.00	\$0.00	\$0.00
14	\$44,078.44	\$15,427.45	\$18,309.53	\$106.20	\$77,921.62	\$0.00	\$0.00	\$0.00
15	\$45,400.79	\$15,890.28	\$18,909.53	\$106.20	\$79,706.80	\$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	\$518,306.24	\$181,407.18	\$228,256.81	\$1,592.95	\$929,563.18	\$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	Total	
1	\$17,503.46	\$7,253.73	\$12,090.44	\$106.20	\$37,243.83	\$0.00	\$0.00	\$0.00
2	\$25,450.34	\$7,919.54	\$12,473.08	\$106.20	\$45,949.16	\$0.00	\$0.00	\$0.00
3	\$25,656.14	\$23,154.30	\$12,878.50	\$106.20	\$61,795.13	\$0.00	\$0.00	\$0.00
4	\$27,747.85	\$23,154.30	\$13,297.74	\$106.20	\$64,306.08	\$0.00	\$0.00	\$0.00
5	\$27,932.46	\$23,154.30	\$13,729.76	\$106.20	\$64,922.71	\$0.00	\$0.00	\$0.00
6	\$32,351.79	\$23,154.30	\$14,175.60	\$106.20	\$69,787.89	\$0.00	\$0.00	\$0.00
7	\$34,309.74	\$23,154.30	\$14,636.35	\$106.20	\$72,206.59	\$0.00	\$0.00	\$0.00
8	\$36,978.15	\$23,154.30	\$15,111.99	\$106.20	\$75,350.63	\$0.00	\$0.00	\$0.00
9	\$37,418.11	\$23,154.30	\$15,603.59	\$106.20	\$76,282.20	\$0.00	\$0.00	\$0.00
10	\$38,597.98	\$23,154.30	\$16,110.09	\$106.20	\$77,968.57	\$0.00	\$0.00	\$0.00
11	\$40,311.46	\$23,154.30	\$16,633.62	\$106.20	\$80,205.57	\$0.00	\$0.00	\$0.00
12	\$41,520.80	\$23,154.30	\$17,174.17	\$106.20	\$81,985.46	\$0.00	\$0.00	\$0.00
13	\$42,766.43	\$23,154.30	\$17,732.81	\$106.20	\$83,759.73	\$0.00	\$0.00	\$0.00
14	\$44,049.42	\$23,154.30	\$18,309.53	\$106.20	\$85,619.45	\$0.00	\$0.00	\$0.00
15	\$45,370.90	\$23,154.30	\$18,909.53	\$106.20	\$86,940.93	\$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	\$517,965.05	\$316,479.12	\$228,256.81	\$1,592.95	\$1,064,293.93	\$1,064,293.93	\$0.00	\$0.00

Cost Based NPV				
Energy	Capacity	T&D	Auxiliary	
1.00	17,503.46	7,253.73	12,090.44	198.20
0.93	23,565.13	7,332.00	11,549.15	98.33
0.86	21,996.00	19,851.08	11,041.24	91.05
0.79	22,027.14	18,380.63	10,569.18	84.30
0.74	20,531.20	17,019.10	10,091.78	78.06
0.68	22,018.09	15,758.43	9,647.68	72.28
0.63	21,620.96	14,991.13	9,233.38	66.92
0.58	21,576.39	13,010.31	8,817.70	61.96
0.54	20,215.84	12,509.65	8,430.14	57.37
0.50	19,308.60	11,882.91	8,069.06	53.12
0.46	18,872.01	10,724.82	7,704.58	48.19
0.43	17,807.56	9,930.48	7,363.71	43.55
0.40	16,883.14	9,194.89	7,041.84	42.17
0.37	16,196.88	8,613.79	6,732.38	39.05
0.34	15,447.03	7,883.14	6,233.68	36.16
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	295,469.42	184,336.98	134,575.03	981.71
	8,841.46	5,356.35	3,746.70	28.86



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.08	7.31	9.47	9.80	12.13	26.26
TRC Test	2.27	2.06	2.66	2.76	3.41	7.40
RIM Test	0.93	0.85	1.09	1.13	1.40	2.99
RIM (Net Fuel)	1.20	1.10	1.41	1.46	1.81	3.86
Societal Test	2.27	2.06	2.66	2.76	3.41	7.40
Participant Test	1.87	1.86	1.87	1.87	1.87	1.90

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,307.51	100.00%
Total Cost / kWh Savings	\$0.01	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based Avoided Costs</b>		
Allocated Costs / kW Savings	\$236.25	18.07%
Allocated Costs / kWh Savings	\$0.01	81.93%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$57,000.00	\$460,462.29	\$403,462.29	8.08	Utility (PAC) Test
\$297,625.00	\$674,696.74	\$377,071.74	2.27	TRC Test
\$494,160.06	\$460,462.29	(\$33,697.77)	0.93	RIM Test
\$382,764.18	\$460,462.29	\$77,698.11		RIM (Net Fuel)
\$297,625.00	\$674,696.74	\$377,071.74	2.27	Societal Test
\$280,000.00	\$524,884.96	\$244,884.96	1.87	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$332,497.74	\$268,230.59	\$359,213.60	\$373,188.03	\$471,637.07	\$1,068,178.55
Avoided Electric Production Adders	\$0.00	\$93,880.71	\$125,724.76	\$130,615.81	\$165,072.97	\$373,862.49
Avoided Electric Capacity	\$73,326.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21
Avoided Ancillary	\$1,038.56	\$1,038.75	\$1,038.56	\$1,038.56	\$1,038.56	\$1,054.65
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
<b>Total</b>	<b>\$460,462.29</b>	<b>\$416,741.26</b>	<b>\$539,576.12</b>	<b>\$558,441.61</b>	<b>\$691,347.81</b>	<b>\$1,496,694.89</b>
Administration Costs	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00
<b>Total</b>	<b>\$57,000.00</b>	<b>\$57,000.00</b>	<b>\$57,000.00</b>	<b>\$57,000.00</b>	<b>\$57,000.00</b>	<b>\$57,000.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$489,675.60	\$395,028.18	\$529,020.54	\$549,600.96	\$694,588.68	\$1,573,126.41
Avoided Electric Production Adders	\$0.00	\$138,259.86	\$185,157.19	\$192,960.33	\$243,106.04	\$550,594.24
Avoided Electric Capacity	\$106,547.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77
Avoided Ancillary	\$1,446.19	\$1,435.32	\$1,446.19	\$1,446.19	\$1,446.19	\$1,468.59
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
<b>Total</b>	<b>\$674,696.74</b>	<b>\$611,751.13</b>	<b>\$792,651.69</b>	<b>\$820,435.25</b>	<b>\$1,016,168.68</b>	<b>\$2,202,217.01</b>
Administration Costs	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$17,625.00</b>	<b>\$17,625.00</b>	<b>\$17,625.00</b>	<b>\$17,625.00</b>	<b>\$17,625.00</b>	<b>\$17,625.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
25	523,938	43,594	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$17,625.00	\$0.00	\$0.00	\$39,375.00	\$57,000.00

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.

Avoided Electric Production	\$332,497.74	\$268,230.59	\$359,213.60	\$373,188.03	\$471,637.07	\$1,068,178.55
Avoided Electric Production Adders	\$0.00	\$93,880.71	\$125,724.76	\$130,615.81	\$165,072.97	\$373,862.49
Avoided Electric Capacity	\$73,326.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21	\$53,599.21
Avoided Ancillary	\$1,038.56	\$1,038.75	\$1,038.56	\$1,038.56	\$1,038.56	\$1,054.65
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	\$460,462.29	\$416,741.26	\$539,576.12	\$558,441.61	\$691,347.81	\$1,496,694.89
Administration Costs	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00
Total	\$57,000.00	\$57,000.00	\$57,000.00	\$57,000.00	\$57,000.00	\$57,000.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$437,160.06	\$433,827.92	\$437,160.06	\$437,160.06	\$437,160.06	\$443,732.18
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$437,160.06	\$433,827.92	\$437,160.06	\$437,160.06	\$437,160.06	\$443,732.18
Net Fuel Lost Revenue (Electric)	\$325,764.18	\$323,253.83	\$325,764.18	\$325,764.18	\$325,764.18	\$330,610.49
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$325,764.18	\$323,253.83	\$325,764.18	\$325,764.18	\$325,764.18	\$330,610.49
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>						
Avoided Electric Production	\$489,675.60	\$395,028.18	\$529,020.54	\$549,600.96	\$694,588.68	\$1,573,126.41
Avoided Electric Production Adders	\$0.00	\$138,259.86	\$185,157.19	\$192,360.33	\$243,106.04	\$550,594.24
Avoided Electric Capacity	\$106,547.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77	\$77,027.77
Avoided Ancillary	\$1,446.19	\$1,435.32	\$1,446.19	\$1,446.19	\$1,446.19	\$1,468.59
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	\$674,696.74	\$611,751.13	\$792,651.69	\$820,435.25	\$1,016,168.68	\$2,202,217.01
Administration Costs	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00	\$17,625.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
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
<b>Participant Test</b>						
Incentives	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00	\$39,375.00
Participant Costs (gross)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$485,509.96	\$481,809.29	\$485,509.96	\$485,509.96	\$485,509.96	\$492,808.96
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$485,509.96	\$481,809.29	\$485,509.96	\$485,509.96	\$485,509.96	\$492,808.96

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/pend)	One-Time Investment	Annual Investment	Total Costs
1	25	0	25	0	25	25	\$280,000.00	\$0.00	\$280,000.00
2	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
3	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
4	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
5	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
6	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
7	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
8	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
9	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
10	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
11	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
12	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
13	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
14	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
15	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
16	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
17	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
18	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
19	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
20	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
21	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
22	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
23	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
24	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
25	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
<b>Totals</b>	<b>25</b>	<b>0</b>	<b>275</b>	<b>0</b>	<b>275</b>	<b>275</b>	<b>\$280,000</b>	<b>\$0</b>	<b>\$280,000</b>

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)	Yearly Incremental (Per Participant * Incremental Participants)												
																	Cumulative												
1	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	27	27	43.59	43.59	0.00	0.00	523,937.7	523,937.7					
2	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
3	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
4	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
5	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
6	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
7	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
8	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
9	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
10	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
11	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
12	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
13	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
14	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	0	0					
15	1.076	1.076	1.744	1.744	0.000	0.000	20,957.51	20,957.51	27	27	44	44	0	0	523,938	523,938	0	0	0	0	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	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	0.00	0.00	0	0					
<b>Totals</b>							<b>314.363</b>	<b>314.363</b>							<b>7,850.066</b>	<b>7,850.066</b>							<b>523,938</b>	<b>523,938</b>					

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	\$1,629.91	\$0.00	\$1,629.91	\$40,747.70	\$0.00	\$40,747.70	\$28,384.25	\$0.00	\$28,384.25
2	\$1,711.40	\$0.00	\$1,711.40	\$42,785.09	\$0.00	\$42,785.09	\$30,421.64	\$0.00	\$30,421.64
3	\$1,796.97	\$0.00	\$1,796.97	\$44,924.34	\$0.00	\$44,924.34	\$32,560.89	\$0.00	\$32,560.89
4	\$1,886.82	\$0.00	\$1,886.82	\$47,170.56	\$0.00	\$47,170.56	\$34,807.11	\$0.00	\$34,807.11
5	\$1,981.16	\$0.00	\$1,981.16	\$49,529.09	\$0.00	\$49,529.09	\$37,165.64	\$0.00	\$37,165.64
6	\$2,000.98	\$0.00	\$2,000.98	\$50,024.38	\$0.00	\$50,024.38	\$37,660.93	\$0.00	\$37,660.93
7	\$2,020.98	\$0.00	\$2,020.98	\$50,524.62	\$0.00	\$50,524.62	\$38,161.17	\$0.00	\$38,161.17
8	\$2,041.19	\$0.00	\$2,041.19	\$51,029.87	\$0.00	\$51,029.87	\$38,666.42	\$0.00	\$38,666.42
9	\$2,061.61	\$0.00	\$2,061.61	\$51,540.16	\$0.00	\$51,540.16	\$39,176.71	\$0.00	\$39,176.71
10	\$2,082.22	\$0.00	\$2,082.22	\$52,055.57	\$0.00	\$52,055.57	\$39,692.12	\$0.00	\$39,692.12
11	\$2,103.04	\$0.00	\$2,103.04	\$52,576.12	\$0.00	\$52,576.12	\$40,212.67	\$0.00	\$40,212.67
12	\$2,124.08	\$0.00	\$2,124.08	\$53,101.88	\$0.00	\$53,101.88	\$40,738.43	\$0.00	\$40,738.43
13	\$2,145.32	\$0.00	\$2,145.32	\$53,632.90	\$0.00	\$53,632.90	\$41,269.45	\$0.00	\$41,269.45
14	\$2,166.77	\$0.00	\$2,166.77	\$54,169.23	\$0.00	\$54,169.23	\$41,805.78	\$0.00	\$41,805.78
15	\$2,188.44	\$0.00	\$2,188.44	\$54,710.92	\$0.00	\$54,710.92	\$42,347.47	\$0.00	\$42,347.47
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
<b>Totals</b>	<b>\$29,940.90</b>	<b>\$0.00</b>	<b>\$29,940.90</b>	<b>\$748,622.43</b>	<b>\$0.00</b>	<b>\$748,622.43</b>	<b>\$563,070.68</b>	<b>\$0.00</b>	<b>\$563,070.68</b>

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/CCF	\$/kWh	\$/CCF	\$/kWh	
1	\$17,625.00	\$0.00	\$39,375.00	\$0.00	\$57,000.00	\$1,307.51	\$1,307.51	\$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	\$17,625.00	\$0.00	\$39,375.00	\$0.00	\$57,000.00	\$1,307.51	\$1,307.51	\$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	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$21,936.04	\$7,677.61	\$4,949.25	\$115.27	\$34,678.17	\$0.00
2	\$31,895.38	\$11,163.38	\$5,110.11	\$115.27	\$48,284.14	\$0.00
3	\$32,153.30	\$11,253.65	\$5,276.21	\$115.27	\$48,798.42	\$0.00
4	\$34,774.71	\$12,171.15	\$5,447.97	\$115.27	\$52,509.09	\$0.00
5	\$35,006.08	\$12,252.13	\$5,624.96	\$115.27	\$52,998.43	\$0.00
6	\$40,544.56	\$14,190.60	\$5,807.62	\$115.27	\$60,658.04	\$0.00
7	\$42,998.34	\$15,049.42	\$5,996.38	\$115.27	\$64,159.41	\$0.00
8	\$46,342.49	\$16,219.87	\$6,191.25	\$115.27	\$68,868.88	\$0.00
9	\$46,893.87	\$16,412.86	\$6,392.65	\$115.27	\$69,814.65	\$0.00
10	\$48,372.53	\$16,930.39	\$6,600.16	\$115.27	\$72,018.34	\$0.00
11	\$50,519.93	\$17,681.98	\$6,814.65	\$115.27	\$75,131.82	\$0.00
12	\$52,035.53	\$18,212.44	\$7,036.10	\$115.27	\$77,399.33	\$0.00
13	\$53,696.60	\$18,768.61	\$7,264.97	\$115.27	\$79,735.64	\$0.00
14	\$55,204.49	\$19,321.57	\$7,501.25	\$115.27	\$82,142.59	\$0.00
15	\$56,860.63	\$19,901.22	\$7,750.25	\$115.27	\$84,378.37	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
Totals	\$649,134.47	\$227,197.07	\$93,514.79	\$1,728.99	\$971,675.32	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$20,304.58	\$3,094.70	\$4,949.25	\$115.27	\$28,463.80	\$0.00
2	\$29,523.22	\$3,244.56	\$5,110.11	\$115.27	\$37,993.16	\$0.00
3	\$29,761.95	\$9,486.11	\$5,276.21	\$115.27	\$44,639.54	\$0.00
4	\$32,188.41	\$9,486.11	\$5,447.97	\$115.27	\$47,237.75	\$0.00
5	\$32,402.57	\$9,486.11	\$5,624.96	\$115.27	\$47,628.90	\$0.00
6	\$37,529.13	\$9,486.11	\$5,807.62	\$115.27	\$52,938.13	\$0.00
7	\$39,800.42	\$9,486.11	\$5,996.38	\$115.27	\$55,398.18	\$0.00
8	\$42,895.85	\$9,486.11	\$6,191.25	\$115.27	\$58,888.48	\$0.00
9	\$43,406.23	\$9,486.11	\$6,392.65	\$115.27	\$59,400.26	\$0.00
10	\$44,774.91	\$9,486.11	\$6,600.16	\$115.27	\$60,976.45	\$0.00
11	\$46,762.80	\$9,486.11	\$6,814.65	\$115.27	\$63,170.63	\$0.00
12	\$48,165.48	\$9,486.11	\$7,036.10	\$115.27	\$64,802.96	\$0.00
13	\$49,610.45	\$9,486.11	\$7,264.97	\$115.27	\$66,476.80	\$0.00
14	\$51,098.76	\$9,486.11	\$7,501.25	\$115.27	\$68,201.39	\$0.00
15	\$52,631.72	\$9,486.11	\$7,750.25	\$115.27	\$69,734.35	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
Totals	\$800,856.28	\$129,696.89	\$93,514.79	\$1,728.99	\$825,758.75	\$825,758.75

Cost Based NPV				
	Energy	Capacity	T&D	Ancillary
1.00	20,304.58	3,094.70	4,949.25	115.27
0.93	27,336.31	3,094.23	4,731.59	106.73
0.86	25,516.08	8,132.81	4,523.50	98.82
0.79	25,052.19	7,530.38	4,324.77	91.50
0.74	23,816.85	6,972.57	4,134.51	84.72
0.68	25,541.70	6,456.09	3,952.57	78.45
0.63	25,081.01	5,977.86	3,778.74	72.64
0.58	25,029.32	5,535.65	3,612.53	67.25
0.54	23,451.03	5,125.05	3,453.75	62.27
0.50	22,398.60	4,745.42	3,301.72	57.66
0.46	21,660.13	4,393.90	3,168.90	53.39
0.43	20,657.35	4,068.43	3,017.66	49.44
0.40	19,700.99	3,767.06	2,885.02	45.77
0.37	18,788.91	3,488.02	2,768.20	42.38
0.34	17,919.05	3,229.65	2,553.88	39.24
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	342,754.12	75,521.23	55,134.20	1,065.55
	10,256.38	2,194.45	1,534.99	28.99

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	13.65	10.77	13.30	13.61	16.67	33.60
TRC Test	4.59	3.63	4.49	4.59	6.63	11.37
RIM Test	1.71	1.35	1.66	1.70	2.08	4.18
RIM (Net Fuel)	2.68	2.12	2.61	2.67	3.27	6.56
Societal Test	4.59	3.63	4.49	4.59	6.63	11.37
Participant Test	2.12	2.11	2.12	2.12	2.12	2.13

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$527.68	100.00%
Total Cost / kWh Savings	\$0.00	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based Avoided Costs</b>		
Allocated Costs / kW Savings	\$148.99	28.23%
Allocated Costs / kWh Savings	\$0.00	71.77%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$71,000.00	\$968,902.67	\$897,902.67	13.65	Utility (PAC) Test
\$308,500.00	\$1,416,423.36	\$1,107,923.36	4.59	TRC Test
\$567,865.07	\$968,902.67	\$401,037.60	1.71	RIM Test
\$361,894.26	\$968,902.67	\$607,008.41		RIM (Net Fuel)
\$308,500.00	\$1,416,423.36	\$1,107,923.36	4.59	Societal Test
\$280,000.00	\$594,318.34	\$314,318.34	2.12	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$575,235.50	\$442,629.40	\$575,614.41	\$591,900.83	\$752,926.70	\$1,643,153.87
Avoided Electric Production Adders	\$0.00	\$154,920.29	\$201,465.05	\$207,165.29	\$263,524.35	\$575,103.86
Avoided Electric Capacity	\$226,317.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65
Avoided Ancillary	\$1,920.30	\$1,908.91	\$1,920.30	\$1,920.30	\$1,920.30	\$1,932.39
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
<b>Total</b>	<b>\$968,902.67</b>	<b>\$764,888.25</b>	<b>\$944,429.41</b>	<b>\$966,416.08</b>	<b>\$1,183,801.00</b>	<b>\$2,385,619.78</b>
Administration Costs	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00
Total	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$847,160.02	\$651,868.55	\$847,718.05	\$871,703.37	\$1,108,849.16	\$2,419,903.27
Avoided Electric Production Adders	\$0.00	\$228,153.39	\$296,701.32	\$305,096.18	\$388,097.20	\$846,966.14
Avoided Electric Capacity	\$328,849.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03
Avoided Ancillary	\$2,673.99	\$2,658.14	\$2,673.99	\$2,673.99	\$2,673.99	\$2,690.84
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
<b>Total</b>	<b>\$1,416,423.36</b>	<b>\$1,120,420.71</b>	<b>\$1,384,833.40</b>	<b>\$1,417,213.57</b>	<b>\$1,737,360.39</b>	<b>\$3,507,300.29</b>
Administration Costs	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$28,500.00</b>	<b>\$28,500.00</b>	<b>\$28,500.00</b>	<b>\$28,500.00</b>	<b>\$28,500.00</b>	<b>\$28,500.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
5	968,760	134,550	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$28,500.00	\$0.00	\$0.00	\$42,500.00	\$71,000.00

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.

Avoided Electric Production	\$575,235.50	\$442,629.40	\$575,614.41	\$591,900.83	\$752,926.70	\$1,643,153.87
Avoided Electric Production Adders	\$0.00	\$154,920.29	\$201,465.05	\$207,165.29	\$263,524.35	\$575,103.86
Avoided Electric Capacity	\$226,317.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65	\$165,429.65
Avoided Ancillary	\$1,920.30	\$1,908.91	\$1,920.30	\$1,920.30	\$1,920.30	\$1,920.30
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	\$968,902.67	\$764,888.25	\$944,429.41	\$966,416.08	\$1,183,801.00	\$2,385,619.78
Administration Costs	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00
Total	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00	\$71,000.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$496,865.07	\$493,963.20	\$496,865.07	\$496,865.07	\$496,865.07	\$499,976.68
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$496,865.07	\$493,963.20	\$496,865.07	\$496,865.07	\$496,865.07	\$499,976.68
Net Fuel Lost Revenue (Electric)	\$290,894.26	\$289,213.70	\$290,894.26	\$290,894.26	\$290,894.26	\$292,708.41
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$290,894.26	\$289,213.70	\$290,894.26	\$290,894.26	\$290,894.26	\$292,708.41
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>						
Avoided Electric Production	\$847,160.02	\$651,868.55	\$847,718.05	\$871,703.37	\$1,108,849.16	\$2,419,903.27
Avoided Electric Production Adders	\$0.00	\$228,153.99	\$296,701.32	\$305,096.18	\$388,097.20	\$846,966.14
Avoided Electric Capacity	\$328,849.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03	\$237,740.03
Avoided Ancillary	\$2,673.99	\$2,658.14	\$2,673.99	\$2,673.99	\$2,673.99	\$2,690.84
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	\$1,416,423.36	\$1,120,420.71	\$1,384,833.40	\$1,417,213.57	\$1,737,360.39	\$3,507,300.29
Administration Costs	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00	\$28,500.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
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
<b>Participant Test</b>						
Incentives	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00	\$42,500.00
Participant Costs (gross)	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00	\$280,000.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$551,818.34	\$548,595.53	\$551,818.34	\$551,818.34	\$551,818.34	\$555,274.10
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$551,818.34	\$548,595.53	\$551,818.34	\$551,818.34	\$551,818.34	\$555,274.10

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	5	0	5	0	5	5	\$280,000.00	\$0.00	\$280,000.00
2	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
3	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
4	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
5	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
6	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
7	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
8	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
9	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
10	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
11	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
12	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
13	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
14	0	0	5	0	5	5	\$0.00	\$0.00	\$0.00
15	0	0	5	0	5	5	\$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	5	0	75	0	75	75	\$280,000	\$0	\$280,000

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)	Yearly Incremental (Per Participant * Incremental Participants)	Yearly Incremental (Per Participant * Incremental Participants)	Yearly Incremental (Per Participant * Incremental Participants)	Yearly Incremental (Per Participant * Incremental Participants)				
1	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	5	5	134.55	134.55	0.00	0.00	968,760.0	968,760.0
2	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
3	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
4	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
5	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
6	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
7	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
8	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
9	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
10	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
11	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
12	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
13	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
14	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	0	0	0	0	0	0	0	0
15	1,076	1,076	26,910	26,910	0.000	0.000	193,752.00	193,752.00	5	5	135	135	0	0	968,760	968,760	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							2,906,280	2,906,280							14,531,400	14,531,400							968,760	968,760

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	\$9,262.56	\$0.00	\$9,262.56	\$46,312.81	\$0.00	\$46,312.81	\$23,452.81	\$0.00	\$23,452.81
2	\$9,725.69	\$0.00	\$9,725.69	\$48,628.45	\$0.00	\$48,628.45	\$25,768.45	\$0.00	\$25,768.45
3	\$10,211.97	\$0.00	\$10,211.97	\$51,059.87	\$0.00	\$51,059.87	\$28,199.87	\$0.00	\$28,199.87
4	\$10,722.57	\$0.00	\$10,722.57	\$53,612.86	\$0.00	\$53,612.86	\$30,752.86	\$0.00	\$30,752.86
5	\$11,258.70	\$0.00	\$11,258.70	\$56,293.51	\$0.00	\$56,293.51	\$33,433.51	\$0.00	\$33,433.51
6	\$11,371.29	\$0.00	\$11,371.29	\$59,056.44	\$0.00	\$59,056.44	\$36,196.44	\$0.00	\$36,196.44
7	\$11,485.00	\$0.00	\$11,485.00	\$61,925.01	\$0.00	\$61,925.01	\$39,055.01	\$0.00	\$39,055.01
8	\$11,599.85	\$0.00	\$11,599.85	\$64,999.26	\$0.00	\$64,999.26	\$41,999.26	\$0.00	\$41,999.26
9	\$11,715.85	\$0.00	\$11,715.85	\$68,279.25	\$0.00	\$68,279.25	\$45,029.25	\$0.00	\$45,029.25
10	\$11,833.01	\$0.00	\$11,833.01	\$71,758.04	\$0.00	\$71,758.04	\$48,152.04	\$0.00	\$48,152.04
11	\$11,951.34	\$0.00	\$11,951.34	\$75,469.69	\$0.00	\$75,469.69	\$51,366.69	\$0.00	\$51,366.69
12	\$12,070.85	\$0.00	\$12,070.85	\$79,319.26	\$0.00	\$79,319.26	\$54,672.26	\$0.00	\$54,672.26
13	\$12,191.56	\$0.00	\$12,191.56	\$83,304.80	\$0.00	\$83,304.80	\$58,070.80	\$0.00	\$58,070.80
14	\$12,313.48	\$0.00	\$12,313.48	\$87,431.46	\$0.00	\$87,431.46	\$61,567.38	\$0.00	\$61,567.38
15	\$12,436.61	\$0.00	\$12,436.61	\$91,718.05	\$0.00	\$91,718.05	\$65,159.05	\$0.00	\$65,159.05
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	\$170,150.33	\$0.00	\$170,150.33	\$850,751.66	\$0.00	\$850,751.66	\$507,881.66	\$0.00	\$507,881.66

Utility Program Costs											
Year	Overall Costs				Total Costs per kWh, kW, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$28,500.00	\$0.00	\$42,500.00	\$0.00	\$71,000.00	\$527.68	\$527.68	\$0.07	\$0.07	\$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
<b>Totals</b>	<b>\$28,500.00</b>	<b>\$0.00</b>	<b>\$42,500.00</b>	<b>\$0.00</b>	<b>\$71,000.00</b>	<b>\$527.68</b>	<b>\$527.68</b>	<b>\$0.07</b>	<b>\$0.07</b>	<b>\$0.00</b>	<b>\$0.00</b>

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$35,150.95	\$12,302.83	\$15,275.46	\$213.13	\$62,942.37	\$0.00
2	\$51,110.09	\$17,868.63	\$15,771.95	\$213.13	\$94,983.70	\$0.00
3	\$51,523.39	\$18,033.18	\$16,284.59	\$213.13	\$86,054.28	\$0.00
4	\$55,724.02	\$19,503.41	\$16,814.71	\$213.13	\$92,255.27	\$0.00
5	\$56,094.77	\$19,633.17	\$17,360.99	\$213.13	\$93,302.05	\$0.00
6	\$64,469.79	\$22,738.43	\$17,924.75	\$213.13	\$105,947.10	\$0.00
7	\$68,901.81	\$24,115.63	\$18,507.35	\$213.13	\$111,737.92	\$0.00
8	\$74,260.57	\$25,991.20	\$19,108.79	\$213.13	\$119,573.68	\$0.00
9	\$75,144.12	\$26,300.44	\$19,730.41	\$213.13	\$121,368.10	\$0.00
10	\$77,513.56	\$27,129.75	\$20,370.87	\$213.13	\$125,227.31	\$0.00
11	\$80,954.62	\$28,334.12	\$21,032.86	\$213.13	\$130,534.72	\$0.00
12	\$83,383.26	\$29,184.14	\$21,716.37	\$213.13	\$134,496.90	\$0.00
13	\$85,894.76	\$30,069.67	\$22,422.76	\$213.13	\$138,580.31	\$0.00
14	\$88,461.30	\$30,981.46	\$23,152.02	\$213.13	\$142,787.90	\$0.00
15	\$91,115.14	\$31,890.30	\$23,902.02	\$213.13	\$146,370.58	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$1,040,192.14</b>	<b>\$364,067.25</b>	<b>\$288,625.90</b>	<b>\$3,196.91</b>	<b>\$1,696,082.19</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$35,127.81	\$9,651.54	\$15,275.46	\$213.13	\$60,187.94	\$0.00
2	\$51,076.44	\$10,014.09	\$15,771.95	\$213.13	\$77,075.61	\$0.00
3	\$51,489.47	\$29,278.12	\$16,284.59	\$213.13	\$97,265.30	\$0.00
4	\$55,687.34	\$29,278.12	\$16,814.71	\$213.13	\$101,993.30	\$0.00
5	\$56,057.84	\$29,278.12	\$17,360.99	\$213.13	\$102,910.07	\$0.00
6	\$64,927.02	\$29,278.12	\$17,924.75	\$213.13	\$112,343.02	\$0.00
7	\$68,856.45	\$29,278.12	\$18,507.35	\$213.13	\$116,855.04	\$0.00
8	\$74,211.68	\$29,278.12	\$19,108.79	\$213.13	\$122,811.72	\$0.00
9	\$75,094.65	\$29,278.12	\$19,730.41	\$213.13	\$124,316.31	\$0.00
10	\$77,462.54	\$29,278.12	\$20,370.87	\$213.13	\$127,324.65	\$0.00
11	\$80,901.33	\$29,278.12	\$21,032.86	\$213.13	\$131,425.43	\$0.00
12	\$83,328.37	\$29,278.12	\$21,716.37	\$213.13	\$134,535.98	\$0.00
13	\$85,828.22	\$29,278.12	\$22,422.76	\$213.13	\$137,742.22	\$0.00
14	\$88,403.07	\$29,278.12	\$23,152.02	\$213.13	\$141,046.33	\$0.00
15	\$91,055.16	\$29,278.12	\$23,902.02	\$213.13	\$145,098.42	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$1,038,507.40</b>	<b>\$400,181.14</b>	<b>\$288,625.90</b>	<b>\$3,196.91</b>	<b>\$1,731,511.35</b>	<b>\$0.00</b>

  

Cost Based NPV				
Energy	Capacity	T&D	Ancillary	
1.00	36,127.81	9,651.54	15,275.46	213.13
0.93	47,293.00	9,272.30	14,603.66	197.34
0.86	44,143.92	25,101.27	13,961.41	182.72
0.79	44,206.40	23,241.91	13,348.06	169.19
0.74	41,204.19	21,520.29	12,760.84	155.65
0.68	44,188.24	19,926.19	12,199.28	145.05
0.63	43,391.24	18,450.18	11,662.77	134.31
0.58	43,301.80	17,383.50	11,149.80	124.36
0.54	40,571.30	15,816.06	10,659.73	115.15
0.50	38,750.55	14,646.35	10,190.51	106.62
0.46	37,472.97	13,561.43	9,742.28	98.72
0.43	36,736.11	12,556.68	9,313.78	91.41
0.40	34,083.57	11,626.74	8,904.39	84.64
0.37	32,806.62	10,765.50	8,512.95	78.37
0.34	31,000.73	9,968.06	7,862.36	72.66
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	592,679.48	233,090.21	170,167.27	1,970.20
	17,743.98	6,772.99	4,737.62	49.90



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	5.69	3.96	4.83	4.96	5.89	11.55
TRC Test	3.14	2.19	2.66	2.74	3.26	6.40
RIM Test	1.35	0.94	1.14	1.17	1.39	2.70
RIM (Net Fuel)	1.67	1.17	1.42	1.46	1.73	3.36
Societal Test	3.14	2.19	2.66	2.74	3.26	6.40
Participant Test	2.05	2.03	2.05	2.05	2.05	2.07

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$720.24	100.00%
Total Cost / kWh Savings	\$0.0188	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$326.34	45.31%
Allocated Costs / kWh Savings	\$0.0103	54.69%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$54,000.00	\$307,359.16	\$253,359.16	5.69	Utility (PAC) Test
\$133,713.00	\$420,081.71	\$286,368.71	3.14	TRC Test
\$228,435.61	\$307,359.16	\$78,923.55	1.35	RIM Test
\$183,878.02	\$307,359.16	\$123,481.14		RIM (Net Fuel)
\$133,713.00	\$420,081.71	\$286,368.71	3.14	Societal Test
\$108,813.00	\$222,828.18	\$114,015.18	2.05	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$126,166.51	\$101,780.29	\$136,303.86	\$141,606.47	\$178,963.02	\$405,321.12
Avoided Electric Production Adders	\$0.00	\$35,623.10	\$47,706.35	\$49,562.26	\$62,637.06	\$141,862.39
Avoided Electric Capacity	\$104,526.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93
Avoided Ancillary	\$415.42	\$412.29	\$415.42	\$415.42	\$415.42	\$421.85
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
<b>Total</b>	<b>\$307,359.16</b>	<b>\$214,066.61</b>	<b>\$260,676.55</b>	<b>\$267,835.07</b>	<b>\$318,266.43</b>	<b>\$623,856.29</b>
Administration Costs	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00
<b>Total</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
Avoided Electric Production	\$173,523.94	\$139,984.20	\$187,466.42	\$194,759.40	\$246,137.99	\$557,461.10
Avoided Electric Production Adders	\$0.00	\$48,994.47	\$65,613.25	\$68,165.79	\$86,148.30	\$195,111.38
Avoided Electric Capacity	\$143,349.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55
Avoided Ancillary	\$545.25	\$541.15	\$545.25	\$545.25	\$545.25	\$553.69
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
<b>Total</b>	<b>\$420,081.71</b>	<b>\$292,182.37</b>	<b>\$356,287.46</b>	<b>\$366,132.98</b>	<b>\$435,494.08</b>	<b>\$855,788.72</b>
Administration Costs	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
23	244,790	74,975	0,000	Generator
	226,088	69,247	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$24,900.00	\$0.00	\$0.00	\$29,100.00	\$54,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$126,166.51	\$101,780.29	\$136,303.86	\$141,606.47	\$178,963.02	\$405,321.12
Avoided Electric Production Adders	\$0.00	\$35,623.10	\$47,706.35	\$49,562.26	\$62,637.06	\$141,862.39
Avoided Electric Capacity	\$104,526.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93	\$76,250.93
Avoided Ancillary	\$415.42	\$412.29	\$415.42	\$415.42	\$415.42	\$421.85
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
<b>Total</b>	<b>\$307,359.16</b>	<b>\$214,066.61</b>	<b>\$260,676.55</b>	<b>\$267,835.07</b>	<b>\$318,266.43</b>	<b>\$623,856.29</b>
Administration Costs	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00
<b>Total</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>	<b>\$54,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$174,435.61	\$173,124.33	\$174,435.61	\$174,435.61	\$174,435.61	\$177,021.89
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$174,435.61</b>	<b>\$173,124.33</b>	<b>\$174,435.61</b>	<b>\$174,435.61</b>	<b>\$174,435.61</b>	<b>\$177,021.89</b>
Net Fuel Lost Revenue (Electric)	\$129,878.02	\$128,895.46	\$129,878.02	\$129,878.02	\$129,878.02	\$131,773.99
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$129,878.02</b>	<b>\$128,895.46</b>	<b>\$129,878.02</b>	<b>\$129,878.02</b>	<b>\$129,878.02</b>	<b>\$131,773.99</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$173,523.94	\$139,984.20	\$187,466.42	\$194,759.40	\$246,137.99	\$557,461.10
Avoided Electric Production Adders	\$0.00	\$48,994.47	\$65,613.25	\$68,165.79	\$86,148.30	\$195,111.38
Avoided Electric Capacity	\$143,349.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55	\$102,662.55
Avoided Ancillary	\$545.25	\$541.15	\$545.25	\$545.25	\$545.25	\$553.69
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
<b>Total</b>	<b>\$420,081.71</b>	<b>\$292,182.37</b>	<b>\$356,287.46</b>	<b>\$366,132.98</b>	<b>\$435,494.08</b>	<b>\$855,788.72</b>
Administration Costs	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00	\$24,900.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>	<b>\$24,900.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00	\$29,100.00
Participant Costs (gross)	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00	\$108,813.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$193,728.18	\$192,271.89	\$193,728.18	\$193,728.18	\$193,728.18	\$196,600.51
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$193,728.18</b>	<b>\$192,271.89</b>	<b>\$193,728.18</b>	<b>\$193,728.18</b>	<b>\$193,728.18</b>	<b>\$196,600.51</b>

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	23	0	23	0	23	23	\$108,813.00	\$0.00	\$108,813.00
2	0	0	23	0	23	23	\$0.00	\$0.00	\$0.00
3	0	0	23	0	23	23	\$0.00	\$0.00	\$0.00
4	0	0	23	0	23	23	\$0.00	\$0.00	\$0.00
5	0	0	23	0	23	23	\$0.00	\$0.00	\$0.00
6	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
7	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
8	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
9	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
10	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
11	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
12	0	0	21	0	21	21	\$0.00	\$0.00	\$0.00
13	0	0	4	0	4	4	\$0.00	\$0.00	\$0.00
14	0	0	4	0	4	4	\$0.00	\$0.00	\$0.00
15	0	0	4	0	4	4	\$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	23	0	274	0	274	274	\$108,813	\$0	\$108,813

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)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Yearly Incremental (Per Participant * Incremental Participants)					
1	1,076	1,076	3,260	3,260	0.000	0.000	10,643.02	10,643.02	25	25	75	75	0	0	244,790	244,790	24.76	24.76	74.97	74.97	0.00	0.00	244,789.51	244,789.51
2	1,076	1,076	3,260	3,260	0.000	0.000	10,643.02	10,643.02	25	25	75	75	0	0	244,790	244,790	0	0	0	0	0	0	0	0
3	1,076	1,076	3,260	3,260	0.000	0.000	10,643.02	10,643.02	25	25	75	75	0	0	244,790	244,790	0	0	0	0	0	0	0	0
4	1,076	1,076	3,260	3,260	0.000	0.000	10,643.02	10,643.02	25	25	75	75	0	0	244,790	244,790	0	0	0	0	0	0	0	0
5	1,076	1,076	3,260	3,260	0.000	0.000	10,643.02	10,643.02	25	25	75	75	0	0	244,790	244,790	0	0	0	0	0	0	0	0
6	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
7	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
8	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
9	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
10	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
11	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
12	1,076	1,076	3,078	3,078	0.000	0.000	10,243.69	10,243.69	23	23	65	65	0	0	215,117	215,117	0	0	0	0	0	0	0	0
13	1,076	1,076	4,090	4,090	0.000	0.000	11,316.19	11,316.19	4	4	16	16	0	0	45,265	45,265	0	0	0	0	0	0	0	0
14	1,076	1,076	4,090	4,090	0.000	0.000	11,316.19	11,316.19	4	4	16	16	0	0	45,265	45,265	0	0	0	0	0	0	0	0
15	1,076	1,076	4,090	4,090	0.000	0.000	11,316.19	11,316.19	4	4	16	16	0	0	45,265	45,265	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							158,870	158,870							2,865,564	2,865,564							244,790	244,790

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	\$838.93	\$0.00	\$838.93	\$19,295.37	\$0.00	\$19,295.37	\$13,519.02	\$0.00	\$13,519.02
2	\$880.88	\$0.00	\$880.88	\$20,260.13	\$0.00	\$20,260.13	\$14,483.79	\$0.00	\$14,483.79
3	\$924.82	\$0.00	\$924.82	\$21,273.14	\$0.00	\$21,273.14	\$15,498.80	\$0.00	\$15,498.80
4	\$971.17	\$0.00	\$971.17	\$22,336.80	\$0.00	\$22,336.80	\$16,560.46	\$0.00	\$16,560.46
5	\$1,019.72	\$0.00	\$1,019.72	\$23,453.64	\$0.00	\$23,453.64	\$17,677.30	\$0.00	\$17,677.30
6	\$992.33	\$0.00	\$992.33	\$20,338.93	\$0.00	\$20,338.93	\$15,762.67	\$0.00	\$15,762.67
7	\$1,002.25	\$0.00	\$1,002.25	\$21,047.22	\$0.00	\$21,047.22	\$15,971.06	\$0.00	\$15,971.06
8	\$1,012.27	\$0.00	\$1,012.27	\$21,257.70	\$0.00	\$21,257.70	\$16,181.53	\$0.00	\$16,181.53
9	\$1,022.39	\$0.00	\$1,022.39	\$21,470.27	\$0.00	\$21,470.27	\$16,394.11	\$0.00	\$16,394.11
10	\$1,032.62	\$0.00	\$1,032.62	\$21,684.97	\$0.00	\$21,684.97	\$16,608.81	\$0.00	\$16,608.81
11	\$1,042.94	\$0.00	\$1,042.94	\$21,901.82	\$0.00	\$21,901.82	\$16,825.66	\$0.00	\$16,825.66
12	\$1,053.37	\$0.00	\$1,053.37	\$22,120.84	\$0.00	\$22,120.84	\$17,044.68	\$0.00	\$17,044.68
13	\$1,172.16	\$0.00	\$1,172.16	\$4,686.65	\$0.00	\$4,686.65	\$3,620.52	\$0.00	\$3,620.52
14	\$1,183.88	\$0.00	\$1,183.88	\$4,735.53	\$0.00	\$4,735.53	\$3,667.41	\$0.00	\$3,667.41
15	\$1,195.72	\$0.00	\$1,195.72	\$4,782.89	\$0.00	\$4,782.89	\$3,714.77	\$0.00	\$3,714.77
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	\$15,345.55	\$0.00	\$15,345.55	\$271,147.80	\$0.00	\$271,147.80	\$203,528.58	\$0.00	\$203,528.58

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)		
1	\$24,900.00	\$0.00	\$29,100.00	\$0.00	\$54,000.00	\$720.24	\$720.24	\$0.22	\$0.22	\$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
<b>Totals</b>	<b>\$24,900.00</b>	<b>\$0.00</b>	<b>\$29,100.00</b>	<b>\$0.00</b>	<b>\$54,000.00</b>	<b>\$720.24</b>	<b>\$720.24</b>	<b>\$0.22</b>	<b>\$0.22</b>	<b>\$0.00</b>	<b>\$0.00</b>

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	Total
1	\$10,248.76	\$3,597.07	\$8,511.88	\$53.85	\$22,401.56	\$0.00	\$0.00
2	\$14,901.87	\$5,215.86	\$8,788.54	\$53.85	\$29,950.92	\$0.00	\$0.00
3	\$15,022.38	\$5,257.83	\$9,074.19	\$53.85	\$29,408.25	\$0.00	\$0.00
4	\$16,247.13	\$5,686.50	\$9,369.59	\$53.85	\$31,357.07	\$0.00	\$0.00
5	\$16,395.23	\$5,724.33	\$9,673.99	\$53.85	\$31,807.40	\$0.00	\$0.00
6	\$16,646.72	\$5,826.35	\$8,611.51	\$47.33	\$31,131.91	\$0.00	\$0.00
7	\$17,654.19	\$6,178.97	\$8,891.41	\$47.33	\$32,771.89	\$0.00	\$0.00
8	\$19,027.22	\$6,659.53	\$9,180.35	\$47.33	\$34,914.43	\$0.00	\$0.00
9	\$19,253.61	\$6,738.76	\$9,478.00	\$47.33	\$35,518.69	\$0.00	\$0.00
10	\$19,860.71	\$6,951.25	\$9,766.69	\$47.33	\$36,645.98	\$0.00	\$0.00
11	\$20,742.39	\$7,259.84	\$10,104.72	\$47.33	\$38,154.28	\$0.00	\$0.00
12	\$21,364.66	\$7,477.63	\$10,433.10	\$47.33	\$39,322.72	\$0.00	\$0.00
13	\$4,630.39	\$1,620.64	\$2,726.61	\$9.96	\$8,987.60	\$0.00	\$0.00
14	\$4,769.31	\$1,669.26	\$2,815.29	\$9.96	\$9,263.81	\$0.00	\$0.00
15	\$4,912.38	\$1,719.33	\$2,815.29	\$9.96	\$9,456.96	\$0.00	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$221,636.95</b>	<b>\$77,572.93</b>	<b>\$120,262.15</b>	<b>\$630.42</b>	<b>\$420,102.45</b>	<b>\$0.00</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel	Total
1	\$0,496.53	\$5,322.36	\$8,511.88	\$53.85	\$23,374.82	\$0.00	\$0.00
2	\$13,793.57	\$5,580.11	\$8,788.54	\$53.85	\$28,216.07	\$0.00	\$0.00
3	\$13,905.11	\$16,314.52	\$9,074.19	\$53.85	\$39,347.68	\$0.00	\$0.00
4	\$15,038.78	\$16,314.52	\$9,369.59	\$53.85	\$40,776.74	\$0.00	\$0.00
5	\$15,138.84	\$16,314.52	\$9,673.99	\$53.85	\$41,181.20	\$0.00	\$0.00
6	\$15,408.65	\$14,065.96	\$8,611.51	\$47.33	\$38,133.44	\$0.00	\$0.00
7	\$16,341.19	\$14,065.96	\$8,891.41	\$47.33	\$39,345.98	\$0.00	\$0.00
8	\$17,612.11	\$14,065.96	\$9,180.35	\$47.33	\$40,905.75	\$0.00	\$0.00
9	\$17,821.66	\$14,065.96	\$9,478.00	\$47.33	\$41,413.94	\$0.00	\$0.00
10	\$18,383.61	\$14,065.96	\$9,766.69	\$47.33	\$42,283.58	\$0.00	\$0.00
11	\$19,199.71	\$14,065.96	\$10,104.72	\$47.33	\$43,417.72	\$0.00	\$0.00
12	\$19,775.70	\$14,065.96	\$10,433.10	\$47.33	\$44,322.09	\$0.00	\$0.00
13	\$4,286.02	\$3,560.22	\$2,726.61	\$9.96	\$10,582.80	\$0.00	\$0.00
14	\$4,414.60	\$3,560.22	\$2,815.29	\$9.96	\$10,800.06	\$0.00	\$0.00
15	\$4,547.03	\$3,560.22	\$2,815.29	\$9.96	\$10,932.50	\$0.00	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$205,153.11</b>	<b>\$168,998.40</b>	<b>\$120,262.15</b>	<b>\$630.42</b>	<b>\$465,034.08</b>	<b>\$465,034.08</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	9,496.53	5,322.36	8,511.88	53.85
0.93	12,771.83	5,166.77	8,137.53	49.86
0.86	11,921.39	13,987.07	7,779.96	46.17
0.79	11,938.27	12,950.99	7,437.89	42.75
0.74	11,127.50	11,991.66	7,110.67	39.58
0.68	10,486.87	9,873.06	5,860.85	32.21
0.63	10,297.72	8,863.94	5,603.10	29.82
0.58	10,276.50	8,207.35	5,356.65	27.61
0.54	9,828.49	7,999.40	5,121.21	25.57
0.50	9,196.38	7,036.48	4,895.78	23.87
0.46	8,893.18	6,515.26	4,680.44	21.92
0.43	8,481.46	6,032.65	4,474.58	20.30
0.40	7,702.04	1,413.81	1,082.77	3.95
0.37	1,623.24	1,309.09	1,035.17	3.66
0.34	1,548.09	1,212.12	958.50	3.39
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	129,379.47	107,182.00	78,046.67	424.34
	3,212.96	2,856.69	1,795.74	8.92

Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	4.50	1.94	1.98	1.99	2.02	2.30
TRC Test	6.50	2.79	2.85	2.87	2.91	3.32
RIM Test	4.12	1.79	1.82	1.82	1.85	2.09
RIM (Net Fuel)	4.20	1.82	1.85	1.86	1.89	2.14
Societal Test	6.50	2.79	2.85	2.87	2.91	3.32
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	\$656.88	100.00%
Total Cost / kWh Savings	\$0.64	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based Avoided Costs		
Allocated Costs / kW Savings	\$640.92	97.57%
Allocated Costs / kWh Savings	\$0.02	2.43%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$14,000.00	\$62,948.65	\$48,948.65	4.50	Utility (PAC) Test
\$14,000.00	\$91,067.00	\$77,067.00	6.50	TRC Test
\$15,290.60	\$62,948.65	\$47,658.05	4.12	RIM Test
\$14,982.85	\$62,948.65	\$47,965.81		RIM (Net Fuel)
\$14,000.00	\$91,067.00	\$77,067.00	6.50	Societal Test
\$0.00	\$2,034.59	\$2,034.59	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$893.08	\$721.37	\$1,157.89	\$1,237.59	\$1,519.02	\$4,433.76
Avoided Electric Production Adders	\$0.00	\$252.48	\$405.26	\$433.16	\$531.66	\$1,551.82
Avoided Electric Capacity	\$35,848.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06
Avoided Ancillary	\$2.87	\$2.88	\$2.87	\$2.87	\$2.87	\$3.06
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	\$62,948.65	\$27,180.59	\$27,770.08	\$27,877.67	\$28,257.61	\$32,192.70
Administration Costs	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
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	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$1,315.26	\$1,062.38	\$1,705.25	\$1,822.62	\$2,237.10	\$6,529.69
Avoided Electric Production Adders	\$0.00	\$371.83	\$596.84	\$637.92	\$782.98	\$2,285.39
Avoided Electric Capacity	\$52,089.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02
Avoided Ancillary	\$4.00	\$3.73	\$4.00	\$4.00	\$4.00	\$4.27
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	\$91,067.00	\$39,095.96	\$39,964.10	\$40,122.55	\$40,682.10	\$46,477.37
Administration Costs	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Amers	\$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
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
30	1,447	21,313	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$6,500.00	\$7,500.00	\$0.00	\$0.00	\$14,000.00

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.

Avoided Electric Production	\$893.08	\$721.37	\$1,157.89	\$1,237.59	\$1,519.02	\$4,433.76
Avoided Electric Production Adders	\$0.00	\$252.48	\$405.26	\$433.16	\$531.66	\$1,551.82
Avoided Electric Capacity	\$35,848.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06	\$26,204.06
Avoided Ancillary	\$2.87	\$2.87	\$2.87	\$2.87	\$2.87	\$3.06
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	\$62,948.65	\$27,180.59	\$27,770.08	\$27,877.67	\$28,257.61	\$32,192.70
Administration Costs	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
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	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Areas	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,290.60	\$1,204.28	\$1,290.60	\$1,290.60	\$1,290.60	\$1,378.56
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,290.60	\$1,204.28	\$1,290.60	\$1,290.60	\$1,290.60	\$1,378.56
Net Fuel Lost Revenue (Electric)	\$982.85	\$917.11	\$982.85	\$982.85	\$982.85	\$1,049.83
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$982.85	\$917.11	\$982.85	\$982.85	\$982.85	\$1,049.83
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$1,315.26	\$1,062.38	\$1,705.25	\$1,822.62	\$2,237.10	\$6,529.69
Avoided Electric Production Adders	\$0.00	\$371.83	\$596.84	\$637.92	\$782.98	\$2,285.39
Avoided Electric Capacity	\$52,089.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02	\$37,658.02
Avoided Ancillary	\$4.00	\$3.73	\$4.00	\$4.00	\$4.00	\$4.27
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	\$91,067.00	\$39,095.96	\$39,964.10	\$40,122.55	\$40,682.10	\$46,477.37
Administration Costs	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00	\$6,500.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Areas	\$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
<b>Participant Test</b>	\$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)	\$2,034.59	\$1,898.51	\$2,034.59	\$2,034.59	\$2,034.59	\$2,173.24
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,034.59	\$1,898.51	\$2,034.59	\$2,034.59	\$2,034.59	\$2,173.24

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	30	0	30	0	30	30	\$0.00	\$0.00	\$0.00
2	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
3	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
4	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
5	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
6	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
7	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
8	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
9	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
10	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
11	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
12	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
13	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
14	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
15	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
16	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
17	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
18	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
19	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
20	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
21	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
22	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
23	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
24	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
25	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00
<b>Totals</b>	30	0	450	0	450	450	\$0	\$0	\$0

Impacts and Savings																								
Year	Electric Impacts/Savings																Yearly Incremental (Per Participant * Incremental Participants)							
	Cumulative																Yearly Incremental (Per Participant * Incremental Participants)							
Per Participant																Yearly Incremental (Per Participant * Incremental Participants)								
	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	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	32	32	21.31	21.31	0.00	0.00	1,447.5	1,447.5
2	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
3	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
4	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
5	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
6	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
7	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
8	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
9	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
10	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
11	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
12	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
13	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
14	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	0	0	0	0	0	0	0	0
15	1.076	1.076	0.710	0.710	0.000	0.000	48.25	48.25	32	32	21	21	0	0	1,447	1,447	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
<b>Totals</b>							724	724							21,712	21,712							1,447	1,447

Lost Revenue Dollars											
Year	Per Participant			Cumulative			Cumulative (Net Fuel)			Net Fuel Total	
	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	\$4.01	\$0.00	\$4.01	\$120.30	\$0.00	\$120.30	\$86.14	\$0.00	\$86.14	\$86.14	
2	\$4.21	\$0.00	\$4.21	\$126.31	\$0.00	\$126.31	\$92.16	\$0.00	\$92.16	\$92.16	
3	\$4.42	\$0.00	\$4.42	\$132.63	\$0.00	\$132.63	\$98.47	\$0.00	\$98.47	\$98.47	
4	\$4.64	\$0.00	\$4.64	\$139.26	\$0.00	\$139.26	\$105.10	\$0.00	\$105.10	\$105.10	
5	\$4.87	\$0.00	\$4.87	\$146.22	\$0.00	\$146.22	\$112.07	\$0.00	\$112.07	\$112.07	
6	\$4.92	\$0.00	\$4.92	\$147.68	\$0.00	\$147.68	\$113.53	\$0.00	\$113.53	\$113.53	
7	\$4.97	\$0.00	\$4.97	\$149.16	\$0.00	\$149.16	\$115.00	\$0.00	\$115.00	\$115.00	
8	\$5.02	\$0.00	\$5.02	\$150.65	\$0.00	\$150.65	\$116.50	\$0.00	\$116.50	\$116.50	
9	\$5.07	\$0.00	\$5.07	\$152.16	\$0.00	\$152.16	\$118.00	\$0.00	\$118.00	\$118.00	
10	\$5.12	\$0.00	\$5.12	\$153.68	\$0.00	\$153.68	\$119.52	\$0.00	\$119.52	\$119.52	
11	\$5.17	\$0.00	\$5.17	\$155.22	\$0.00	\$155.22	\$121.06	\$0.00	\$121.06	\$121.06	
12	\$5.23	\$0.00	\$5.23	\$156.77	\$0.00	\$156.77	\$122.61	\$0.00	\$122.61	\$122.61	
13	\$5.28	\$0.00	\$5.28	\$158.34	\$0.00	\$158.34	\$124.18	\$0.00	\$124.18	\$124.18	
14	\$5.33	\$0.00	\$5.33	\$159.92	\$0.00	\$159.92	\$125.76	\$0.00	\$125.76	\$125.76	
15	\$5.38	\$0.00	\$5.38	\$161.52	\$0.00	\$161.52	\$127.36	\$0.00	\$127.36	\$127.36	
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	
<b>Totals</b>	\$73.66	\$0.00	\$73.66	\$2,209.82	\$0.00	\$2,209.82	\$1,697.47	\$0.00	\$1,697.47		

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Resales	Other	Total	\$/kW	\$/kWh (net)	\$/kWh (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$6,500.00	\$7,500.00	\$0.00	\$0.00	\$14,000.00	\$656.88	\$656.88	\$9.67	\$9.67	\$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
<b>Totals</b>	<b>\$6,500.00</b>	<b>\$7,500.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$14,000.00</b>	<b>\$656.88</b>	<b>\$656.88</b>	<b>\$9.67</b>	<b>\$9.67</b>	<b>\$0.00</b>	<b>\$0.00</b>

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$70.71	\$24.75	\$2,419.63	\$0.32	\$2,215.41	\$0.00
2	\$102.81	\$35.98	\$2,498.28	\$0.32	\$2,637.39	\$0.00
3	\$103.64	\$36.28	\$2,579.48	\$0.32	\$2,719.72	\$0.00
4	\$112.09	\$39.23	\$2,663.45	\$0.32	\$2,815.09	\$0.00
5	\$112.84	\$39.49	\$2,749.98	\$0.32	\$2,902.63	\$0.00
6	\$130.69	\$45.74	\$2,839.28	\$0.32	\$3,016.63	\$0.00
7	\$138.60	\$48.51	\$2,931.56	\$0.32	\$3,118.99	\$0.00
8	\$149.38	\$52.29	\$3,026.83	\$0.32	\$3,228.82	\$0.00
9	\$151.16	\$52.91	\$3,125.30	\$0.32	\$3,329.68	\$0.00
10	\$155.92	\$54.57	\$3,226.75	\$0.32	\$3,437.56	\$0.00
11	\$162.85	\$57.00	\$3,331.60	\$0.32	\$3,551.77	\$0.00
12	\$167.73	\$58.71	\$3,439.87	\$0.32	\$3,666.63	\$0.00
13	\$172.76	\$60.47	\$3,551.76	\$0.32	\$3,785.31	\$0.00
14	\$177.95	\$62.28	\$3,667.28	\$0.32	\$3,907.83	\$0.00
15	\$183.29	\$64.15	\$3,667.28	\$0.32	\$3,915.03	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$2,092.43</b>	<b>\$732.35</b>	<b>\$45,718.34</b>	<b>\$4.78</b>	<b>\$48,547.89</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Fuel
1	\$54.54	\$1,512.96	\$2,419.63	\$0.32	\$3,987.45	\$0.00
2	\$79.30	\$1,586.23	\$2,498.28	\$0.32	\$4,164.13	\$0.00
3	\$79.94	\$4,637.65	\$2,579.48	\$0.32	\$7,297.39	\$0.00
4	\$86.46	\$4,637.65	\$2,663.45	\$0.32	\$7,397.88	\$0.00
5	\$87.03	\$4,637.65	\$2,749.98	\$0.32	\$7,474.98	\$0.00
6	\$100.80	\$4,637.65	\$2,839.28	\$0.32	\$7,578.06	\$0.00
7	\$106.90	\$4,637.65	\$2,931.56	\$0.32	\$7,676.44	\$0.00
8	\$115.22	\$4,637.65	\$3,026.83	\$0.32	\$7,780.02	\$0.00
9	\$116.59	\$4,637.65	\$3,125.30	\$0.32	\$7,879.86	\$0.00
10	\$120.26	\$4,637.65	\$3,226.75	\$0.32	\$7,984.98	\$0.00
11	\$125.60	\$4,637.65	\$3,331.60	\$0.32	\$8,095.18	\$0.00
12	\$129.37	\$4,637.65	\$3,439.87	\$0.32	\$8,207.22	\$0.00
13	\$133.25	\$4,637.65	\$3,551.76	\$0.32	\$8,322.99	\$0.00
14	\$137.25	\$4,637.65	\$3,667.28	\$0.32	\$8,442.50	\$0.00
15	\$141.37	\$4,637.65	\$3,667.28	\$0.32	\$8,446.62	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$1,613.88</b>	<b>\$63,388.69</b>	<b>\$45,718.34</b>	<b>\$4.78</b>	<b>\$110,725.70</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Ancillary
1.00	\$4.54	1,512.96	2,419.63	0.32
0.93	73.42	1,468.73	2,313.22	0.29
0.86	68.54	3,976.04	2,211.49	0.27
0.79	68.63	3,881.62	2,114.33	0.25
0.74	63.97	3,408.81	2,021.32	0.23
0.68	68.60	3,156.31	1,932.37	0.22
0.63	67.37	2,922.51	1,847.38	0.20
0.58	67.23	2,705.63	1,765.13	0.19
0.54	62.99	2,505.58	1,688.50	0.17
0.50	60.16	2,319.98	1,614.18	0.16
0.46	58.18	2,148.13	1,543.18	0.15
0.43	55.48	1,989.01	1,478.30	0.14
0.40	52.92	1,841.68	1,410.45	0.13
0.37	50.47	1,705.26	1,348.45	0.12
0.34	48.13	1,578.94	1,288.57	0.11
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	<b>920.63</b>	<b>36,921.49</b>	<b>26,954.50</b>	<b>2.84</b>
	<b>27.55</b>	<b>1,072.84</b>	<b>790.44</b>	<b>0.07</b>



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.79	6.74	8.92	9.17	11.44	25.53
TRC Test	2.86	2.84	3.75	3.86	4.81	10.80
RIM Test	0.68	0.68	0.89	0.91	1.14	2.49
RIM (Net Fuel)	0.87	0.87	1.14	1.17	1.46	3.20
Societal Test	2.86	2.84	3.75	3.86	4.81	10.80
Participant Test	5.01	4.93	5.01	5.01	5.01	5.14

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$2,941.91	100.00%
Total Cost / kWh Savings	\$0.01	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based Avoided Costs</b>		
Allocated Costs / kW Savings	\$226.93	7.71%
Allocated Costs / kWh Savings	\$0.01	92.29%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$19,000.00	\$129,051.39	\$110,051.39	6.79	Utility (PAC) Test
\$61,500.00	\$175,746.71	\$114,246.71	2.86	TRC Test
\$190,786.53	\$129,051.39	(\$61,735.14)	0.68	RIM Test
\$148,988.41	\$129,051.39	(\$19,937.02)		RIM (Net Fuel)
\$61,500.00	\$175,746.71	\$114,246.71	2.86	Societal Test
\$52,500.00	\$263,165.97	\$210,665.97	5.01	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$112,464.81	\$89,576.01	\$120,183.28	\$123,690.04	\$155,640.26	\$355,449.17
Avoided Electric Production Adders	\$0.00	\$31,351.25	\$42,064.15	\$43,291.51	\$54,474.09	\$124,407.21
Avoided Electric Capacity	\$9,400.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79
Avoided Ancillary	\$389.69	\$382.71	\$389.69	\$389.69	\$389.69	\$399.70
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
<b>Total</b>	<b>\$129,051.39</b>	<b>\$128,105.76</b>	<b>\$169,433.91</b>	<b>\$174,168.03</b>	<b>\$217,300.83</b>	<b>\$487,052.86</b>
Administration Costs	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Total	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$153,370.07	\$122,154.87	\$163,895.87	\$168,678.09	\$212,249.11	\$484,731.72
Avoided Electric Production Adders	\$0.00	\$42,754.21	\$57,363.55	\$59,037.33	\$74,287.19	\$169,656.10
Avoided Electric Capacity	\$12,794.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52
Avoided Ancillary	\$509.49	\$500.36	\$509.49	\$509.49	\$509.49	\$522.57
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
<b>Total</b>	<b>\$175,746.71</b>	<b>\$174,481.96</b>	<b>\$230,841.44</b>	<b>\$237,297.43</b>	<b>\$296,118.31</b>	<b>\$663,982.92</b>
Administration Costs	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$9,000.00</b>	<b>\$9,000.00</b>	<b>\$9,000.00</b>	<b>\$9,000.00</b>	<b>\$9,000.00</b>	<b>\$9,000.00</b>
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
25	222,277	6,458	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$9,000.00	\$0.00	\$0.00	\$10,000.00	\$19,000.00

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.

Avoided Electric Production	\$112,464.81	\$89,576.01	\$120,183.28	\$123,690.04	\$155,640.26	\$355,449.17
Avoided Electric Production Adders	\$0.00	\$31,351.25	\$42,064.15	\$43,291.51	\$54,474.09	\$124,407.21
Avoided Electric Capacity	\$9,400.10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79	\$6,796.79
Avoided Ancillary	\$389.69	\$389.71	\$389.69	\$389.69	\$389.69	\$389.70
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	\$129,051.39	\$128,105.76	\$169,433.91	\$174,168.03	\$217,300.83	\$487,052.86
Administration Costs	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Total	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00	\$19,000.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$171,786.53	\$168,705.00	\$171,786.53	\$171,786.53	\$171,786.53	\$176,213.12
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$171,786.53	\$168,705.00	\$171,786.53	\$171,786.53	\$171,786.53	\$176,213.12
Net Fuel Lost Revenue (Electric)	\$129,988.41	\$127,655.64	\$129,988.41	\$129,988.41	\$129,988.41	\$133,341.55
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$129,988.41	\$127,655.64	\$129,988.41	\$129,988.41	\$129,988.41	\$133,341.55
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$153,370.07	\$122,154.87	\$163,895.87	\$168,678.09	\$212,249.11	\$484,731.72
Avoided Electric Production Adders	\$0.00	\$42,754.21	\$57,363.55	\$59,037.33	\$74,287.19	\$169,656.10
Avoided Electric Capacity	\$12,794.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52	\$9,072.52
Avoided Ancillary	\$509.49	\$509.36	\$509.49	\$509.49	\$509.49	\$522.57
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	\$175,746.71	\$174,481.96	\$230,841.44	\$237,297.43	\$296,118.31	\$663,982.92
Administration Costs	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00
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
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
Participant Costs (gross)	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00	\$52,500.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$253,165.97	\$248,624.65	\$253,165.97	\$253,165.97	\$253,165.97	\$259,689.54
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$253,165.97	\$248,624.65	\$253,165.97	\$253,165.97	\$253,165.97	\$259,689.54

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	25	0	25	0	25	25	\$52,500.00	\$0.00	\$52,500.00
2	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
3	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
4	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
5	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
6	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
7	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
8	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
9	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
10	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
11	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00
12	0	0	25	0	25	25	\$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
<b>Totals</b>	<b>25</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>300</b>	<b>300</b>	<b>\$52,500</b>	<b>\$0</b>	<b>\$52,500</b>

Impacts and Savings																								
Year	Per Participant											Electric Impacts/Savings												
	kWh	kWh (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	kWh	kWh (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		
1	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	27	27	6.46	6.46	0.00	0.00	222.276.6	222.276.6
2	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
3	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
4	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
5	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
6	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
7	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
8	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
9	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
10	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
11	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	0	0	0	0	0	0	0	0
12	1.076	1.076	0.258	0.258	0.000	0.000	8.891.06	8.891.06	27	27	6	6	0	0	222.277	222.277	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
<b>Totals</b>							<b>106.693</b>	<b>106.693</b>							<b>2,667.319</b>	<b>2,667.319</b>							<b>222.277</b>	<b>222.277</b>

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	Net Fuel Total
1	\$735.30	\$0.00	\$735.30	\$18,382.47	\$0.00	\$18,382.47	\$13,137.37	\$0.00	\$13,137.37	\$13,137.37
2	\$772.06	\$0.00	\$772.06	\$19,301.60	\$0.00	\$19,301.60	\$14,056.50	\$0.00	\$14,056.50	\$14,056.50
3	\$810.67	\$0.00	\$810.67	\$20,266.88	\$0.00	\$20,266.88	\$15,021.58	\$0.00	\$15,021.58	\$15,021.58
4	\$851.20	\$0.00	\$851.20	\$21,280.01	\$0.00	\$21,280.01	\$16,034.91	\$0.00	\$16,034.91	\$16,034.91
5	\$893.76	\$0.00	\$893.76	\$22,344.01	\$0.00	\$22,344.01	\$17,098.91	\$0.00	\$17,098.91	\$17,098.91
6	\$932.70	\$0.00	\$932.70	\$22,567.45	\$0.00	\$22,567.45	\$17,322.35	\$0.00	\$17,322.35	\$17,322.35
7	\$911.72	\$0.00	\$911.72	\$22,793.12	\$0.00	\$22,793.12	\$17,548.02	\$0.00	\$17,548.02	\$17,548.02
8	\$920.84	\$0.00	\$920.84	\$23,021.06	\$0.00	\$23,021.06	\$17,775.96	\$0.00	\$17,775.96	\$17,775.96
9	\$930.05	\$0.00	\$930.05	\$23,251.27	\$0.00	\$23,251.27	\$18,006.17	\$0.00	\$18,006.17	\$18,006.17
10	\$939.35	\$0.00	\$939.35	\$23,483.78	\$0.00	\$23,483.78	\$18,238.68	\$0.00	\$18,238.68	\$18,238.68
11	\$948.74	\$0.00	\$948.74	\$23,718.62	\$0.00	\$23,718.62	\$18,473.52	\$0.00	\$18,473.52	\$18,473.52
12	\$958.23	\$0.00	\$958.23	\$23,955.80	\$0.00	\$23,955.80	\$18,710.70	\$0.00	\$18,710.70	\$18,710.70
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
<b>Totals</b>	<b>\$10,574.63</b>	<b>\$0.00</b>	<b>\$10,574.63</b>	<b>\$264,365.86</b>	<b>\$0.00</b>	<b>\$264,365.86</b>	<b>\$201,424.66</b>	<b>\$0.00</b>	<b>\$201,424.66</b>	<b>\$201,424.66</b>

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh (net)	\$/kWh (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$9,000.00	\$0.00	\$10,000.00	\$0.00	\$19,000.00	\$2,941.91	\$2,941.91	\$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
<b>Totals</b>	<b>\$9,000.00</b>	<b>\$0.00</b>	<b>\$10,000.00</b>	<b>\$0.00</b>	<b>\$19,000.00</b>	<b>\$2,941.91</b>	<b>\$2,941.91</b>	<b>\$0.09</b>	<b>\$0.09</b>	<b>\$0.00</b>	<b>\$0.00</b>

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Address	T&D	Auxiliary	Gas Distribution	Gas Fuel		
1	\$8,734.97	\$3,057.24	\$733.22	\$48.90	\$12,574.33	\$0.00	\$0.00	\$0.00
2	\$12,700.79	\$4,445.26	\$757.05	\$48.90	\$17,952.03	\$0.00	\$0.00	\$0.00
3	\$12,803.50	\$4,481.22	\$781.66	\$48.90	\$18,115.28	\$0.00	\$0.00	\$0.00
4	\$13,847.35	\$4,846.57	\$807.11	\$48.90	\$19,549.93	\$0.00	\$0.00	\$0.00
5	\$13,939.48	\$4,879.82	\$833.33	\$48.90	\$19,700.53	\$0.00	\$0.00	\$0.00
6	\$16,144.91	\$5,650.72	\$860.39	\$48.90	\$22,704.92	\$0.00	\$0.00	\$0.00
7	\$17,122.01	\$5,992.70	\$888.35	\$48.90	\$24,051.97	\$0.00	\$0.00	\$0.00
8	\$18,453.66	\$6,458.78	\$917.22	\$48.90	\$25,878.56	\$0.00	\$0.00	\$0.00
9	\$18,673.22	\$6,535.63	\$947.06	\$48.90	\$26,204.81	\$0.00	\$0.00	\$0.00
10	\$19,262.03	\$6,741.71	\$977.80	\$48.90	\$27,030.44	\$0.00	\$0.00	\$0.00
11	\$20,117.12	\$7,040.99	\$1,009.58	\$48.90	\$28,216.60	\$0.00	\$0.00	\$0.00
12	\$20,720.64	\$7,252.22	\$1,042.39	\$48.90	\$29,064.15	\$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
<b>Totals</b>	<b>\$192,519.69</b>	<b>\$67,381.89</b>	<b>\$10,555.16</b>	<b>\$586.81</b>	<b>\$271,043.55</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)								
Year	Cumulative Electric				Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel		
1	\$8,173.99	\$458.47	\$733.22	\$48.90	\$9,414.58	\$0.00	\$0.00	\$0.00
2	\$11,885.12	\$480.68	\$757.05	\$48.90	\$13,171.75	\$0.00	\$0.00	\$0.00
3	\$11,981.23	\$1,405.35	\$781.66	\$48.90	\$14,217.14	\$0.00	\$0.00	\$0.00
4	\$12,958.04	\$1,405.35	\$807.11	\$48.90	\$15,219.40	\$0.00	\$0.00	\$0.00
5	\$13,044.25	\$1,405.35	\$833.33	\$48.90	\$15,331.83	\$0.00	\$0.00	\$0.00
6	\$15,108.05	\$1,405.35	\$860.39	\$48.90	\$17,422.69	\$0.00	\$0.00	\$0.00
7	\$16,022.40	\$1,405.35	\$888.35	\$48.90	\$18,365.00	\$0.00	\$0.00	\$0.00
8	\$17,268.52	\$1,405.35	\$917.22	\$48.90	\$19,839.99	\$0.00	\$0.00	\$0.00
9	\$17,473.98	\$1,405.35	\$947.06	\$48.90	\$19,875.29	\$0.00	\$0.00	\$0.00
10	\$18,024.97	\$1,405.35	\$977.80	\$48.90	\$20,457.02	\$0.00	\$0.00	\$0.00
11	\$18,625.15	\$1,405.35	\$1,009.58	\$48.90	\$21,288.98	\$0.00	\$0.00	\$0.00
12	\$19,389.91	\$1,405.35	\$1,042.39	\$48.90	\$21,886.54	\$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
<b>Totals</b>	<b>\$180,155.60</b>	<b>\$14,992.65</b>	<b>\$10,555.16</b>	<b>\$586.81</b>	<b>\$206,290.21</b>	<b>\$206,290.21</b>	<b>\$0.00</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	8,173.99	-	733.22	48.90
0.93	11,094.74	-	445.07	700.98
0.86	10,271.97	-	1,204.86	670.15
0.79	10,268.51	-	1,118.81	640.71
0.74	9,587.92	-	1,032.97	612.52
0.68	10,282.28	-	956.46	585.57
0.63	10,096.83	-	885.61	559.81
0.58	10,076.02	-	820.01	535.19
0.54	9,440.65	-	759.27	511.67
0.50	9,016.97	-	703.02	489.14
0.46	8,719.89	-	650.95	467.63
0.43	8,316.00	-	602.73	447.06
0.40	-	-	-	-
0.37	-	-	-	-
0.34	-	-	-	-
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	115,273.55	9,635.04	6,953.64	398.00
	2,808.74	234.94	196.85	8.31

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.37	5.39	6.91	7.08	8.67	18.59
TRC Test	2.72	2.30	2.95	3.02	3.70	7.93
RIM Test	0.88	0.76	0.96	0.98	1.20	2.53
RIM (Net Fuel)	1.12	0.96	1.21	1.24	1.52	3.19
Societal Test	2.72	2.30	2.95	3.02	3.70	7.93
Participant Test	3.57	3.51	3.57	3.57	3.57	3.66

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,266.66	100.00%
Total Cost / kWh Savings	\$0.0100	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$301.01	23.76%
Allocated Costs / kWh Savings	\$0.0076	76.24%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$60,000.00	\$381,906.54	\$321,906.54	6.37	Utility (PAC) Test
\$199,196.00	\$542,249.62	\$343,053.62	2.72	TRC Test
\$431,982.17	\$381,906.54	(\$50,075.64)	0.88	RIM Test
\$342,088.67	\$381,906.54	\$39,817.87		RIM (Net Fuel)
\$199,196.00	\$542,249.62	\$343,053.62	2.72	Societal Test
\$165,900.00	\$592,510.42	\$426,610.42	3.57	Participant Test

http://caseworks/297/DataRequests/674/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RESD-EEP - Tech=ALL.xlsx|Financial Reports

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$247,577.42	\$197,198.39	\$264,772.20	\$272,543.74	\$342,905.92	\$784,088.65
Avoided Electric Production Adders	\$0.00	\$69,019.44	\$92,670.27	\$95,390.31	\$120,017.07	\$274,431.03
Avoided Electric Capacity	\$77,172.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55
Avoided Ancillary	\$838.09	\$822.94	\$838.09	\$838.09	\$838.09	\$859.74
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
<b>Total</b>	<b>\$381,906.54</b>	<b>\$323,359.31</b>	<b>\$414,599.11</b>	<b>\$425,090.68</b>	<b>\$520,079.63</b>	<b>\$1,115,697.96</b>
Administration Costs	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00
<b>Total</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$350,402.17	\$279,100.12	\$374,750.03	\$385,752.25	\$485,339.10	\$1,109,831.68
Avoided Electric Production Adders	\$0.00	\$97,685.04	\$131,162.51	\$135,013.29	\$169,868.69	\$388,441.09
Avoided Electric Capacity	\$110,828.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82
Avoided Ancillary	\$1,128.18	\$1,107.77	\$1,128.18	\$1,128.18	\$1,128.18	\$1,157.32
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
<b>Total</b>	<b>\$542,249.62</b>	<b>\$457,783.75</b>	<b>\$586,931.54</b>	<b>\$601,784.53</b>	<b>\$736,226.79</b>	<b>\$1,579,320.90</b>
Administration Costs	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Parts	kWh	Summer kW	Winter kW	
405	454,404	47,368	0,000	Generator
	419,688	43,750	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$25,796.00	\$7,500.00	\$0.00	\$26,704.00	\$60,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$247,577.42	\$197,198.39	\$264,772.20	\$272,543.74	\$342,905.92	\$784,088.65
Avoided Electric Production Adders	\$0.00	\$69,019.44	\$92,670.27	\$95,390.31	\$120,017.07	\$274,431.03
Avoided Electric Capacity	\$77,172.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55	\$56,318.55
Avoided Ancillary	\$838.09	\$822.94	\$838.09	\$838.09	\$838.09	\$859.74
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
<b>Total</b>	<b>\$381,906.54</b>	<b>\$323,359.31</b>	<b>\$414,599.11</b>	<b>\$425,090.68</b>	<b>\$520,079.63</b>	<b>\$1,115,697.96</b>
Administration Costs	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00
<b>Total</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>	<b>\$60,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$371,982.17	\$365,246.34	\$371,982.17	\$371,982.17	\$371,982.17	\$381,622.09
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$371,982.17</b>	<b>\$365,246.34</b>	<b>\$371,982.17</b>	<b>\$371,982.17</b>	<b>\$371,982.17</b>	<b>\$381,622.09</b>
Net Fuel Lost Revenue (Electric)	\$282,088.67	\$276,978.24	\$282,088.67	\$282,088.67	\$282,088.67	\$289,406.90
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$282,088.67</b>	<b>\$276,978.24</b>	<b>\$282,088.67</b>	<b>\$282,088.67</b>	<b>\$282,088.67</b>	<b>\$289,406.90</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>						
Avoided Electric Production	\$350,402.17	\$279,100.12	\$374,750.03	\$385,752.25	\$485,339.10	\$1,109,831.68
Avoided Electric Production Adders	\$0.00	\$97,685.04	\$131,162.51	\$135,013.29	\$169,868.69	\$388,441.09
Avoided Electric Capacity	\$110,828.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82	\$79,890.82
Avoided Ancillary	\$1,128.18	\$1,107.77	\$1,128.18	\$1,128.18	\$1,128.18	\$1,157.32
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
<b>Total</b>	<b>\$542,249.62</b>	<b>\$457,783.75</b>	<b>\$586,931.54</b>	<b>\$601,784.53</b>	<b>\$736,226.79</b>	<b>\$1,579,320.90</b>
Administration Costs	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00	\$25,796.00
Implementation / Participation Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>	<b>\$33,296.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>						
Incentives	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00	\$26,704.00
Participant Costs (gross)	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00	\$165,900.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$565,806.42	\$555,557.33	\$565,806.42	\$565,806.42	\$565,806.42	\$580,472.32
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$565,806.42</b>	<b>\$555,557.33</b>	<b>\$565,806.42</b>	<b>\$565,806.42</b>	<b>\$565,806.42</b>	<b>\$580,472.32</b>

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	405	0	405	0	405	405	\$165,900.00	\$0.00	\$165,900.00
2	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
3	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
4	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
5	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
6	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
7	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
8	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
9	0	0	405	0	405	405	\$0.00	\$0.00	\$0.00
10	0	0	105	0	105	105	\$0.00	\$0.00	\$0.00
11	0	0	105	0	105	105	\$0.00	\$0.00	\$0.00
12	0	0	105	0	105	105	\$0.00	\$0.00	\$0.00
13	0	0	40	0	40	40	\$0.00	\$0.00	\$0.00
14	0	0	40	0	40	40	\$0.00	\$0.00	\$0.00
15	0	0	40	0	40	40	\$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
<b>Totals</b>	405	0	4,080	0	4,080	4,080	\$165,900	\$0	\$165,900

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)	kWh	kWh (net)		
1	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	92.70	92.70	47.37	47.37	0.00	0.00	0.00	0.00	454,404.37	454,404.37
2	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
3	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
4	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
5	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
6	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
7	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
8	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
9	0.229	0.229	0.117	0.117	0.000	0.000	1,121.99	1,121.99	93	93	47	47	0	0	454,404	454,404	0	0	0	0	0	0	0	0	0	0
10	0.692	0.692	0.433	0.433	0.000	0.000	4,125.54	4,125.54	73	73	45	45	0	0	433,182	433,182	0	0	0	0	0	0	0	0	0	0
11	0.692	0.692	0.433	0.433	0.000	0.000	4,125.54	4,125.54	73	73	45	45	0	0	433,182	433,182	0	0	0	0	0	0	0	0	0	0
12	1.076	1.076	0.969	0.969	0.000	0.000	5,200.75	5,200.75	43	43	39	39	0	0	208,030	208,030	0	0	0	0	0	0	0	0	0	0
13	1.076	1.076	0.969	0.969	0.000	0.000	5,200.75	5,200.75	43	43	39	39	0	0	208,030	208,030	0	0	0	0	0	0	0	0	0	0
14	1.076	1.076	0.969	0.969	0.000	0.000	5,200.75	5,200.75	43	43	39	39	0	0	208,030	208,030	0	0	0	0	0	0	0	0	0	0
15	1.076	1.076	0.969	0.969	0.000	0.000	5,200.75	5,200.75	43	43	39	39	0	0	208,030	208,030	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	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	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	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	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	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	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	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	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	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	0	0
<b>Totals</b>							38,077	38,077							6,013,276	6,013,276									454,404	454,404

Lost Revenue Dollars									
Year	Per Participant			Cumulative			Cumulative (Net Fuel)		
	Electric	Gas	Total	Net Free/Perisist Electric	Net Free/Perisist Gas	Net Free/Perisist Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$92.79	\$0.00	\$92.79	\$37,580.23	\$0.00	\$37,580.23	\$26,857.57	\$0.00	\$26,857.57
2	\$97.43	\$0.00	\$97.43	\$39,459.24	\$0.00	\$39,459.24	\$28,736.58	\$0.00	\$28,736.58
3	\$102.30	\$0.00	\$102.30	\$41,432.21	\$0.00	\$41,432.21	\$30,709.55	\$0.00	\$30,709.55
4	\$107.42	\$0.00	\$107.42	\$43,503.82	\$0.00	\$43,503.82	\$32,781.16	\$0.00	\$32,781.16
5	\$112.79	\$0.00	\$112.79	\$45,679.01	\$0.00	\$45,679.01	\$34,956.35	\$0.00	\$34,956.35
6	\$113.92	\$0.00	\$113.92	\$46,135.80	\$0.00	\$46,135.80	\$35,413.14	\$0.00	\$35,413.14
7	\$115.05	\$0.00	\$115.05	\$46,597.16	\$0.00	\$46,597.16	\$35,874.50	\$0.00	\$35,874.50
8	\$116.21	\$0.00	\$116.21	\$47,063.13	\$0.00	\$47,063.13	\$36,340.47	\$0.00	\$36,340.47
9	\$117.37	\$0.00	\$117.37	\$47,533.76	\$0.00	\$47,533.76	\$36,811.10	\$0.00	\$36,811.10
10	\$436.88	\$0.00	\$436.88	\$46,766.94	\$0.00	\$46,766.94	\$35,545.06	\$0.00	\$35,545.06
11	\$440.23	\$0.00	\$440.23	\$46,224.60	\$0.00	\$46,224.60	\$36,002.73	\$0.00	\$36,002.73
12	\$444.64	\$0.00	\$444.64	\$46,686.85	\$0.00	\$46,686.85	\$36,464.98	\$0.00	\$36,464.98
13	\$566.13	\$0.00	\$566.13	\$22,645.38	\$0.00	\$22,645.38	\$17,736.45	\$0.00	\$17,736.45
14	\$571.80	\$0.00	\$571.80	\$22,871.83	\$0.00	\$22,871.83	\$17,962.91	\$0.00	\$17,962.91
15	\$577.51	\$0.00	\$577.51	\$23,100.55	\$0.00	\$23,100.55	\$18,191.62	\$0.00	\$18,191.62
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
<b>Totals</b>	\$4,011.46	\$0.00	\$4,011.46	\$602,280.49	\$0.00	\$602,280.49	\$460,384.16	\$0.00	\$460,384.16

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Riders	Other	Total	\$/kW (net)	\$/kWh (net)	\$/CCF (net)	\$/CCF (net)		
1	\$25,796.00	\$7,500.00	\$26,704.00	\$0.00	\$60,000.00	\$1,266.66	\$1,266.66	\$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
<b>Totals</b>	<b>\$25,796.00</b>	<b>\$7,500.00</b>	<b>\$26,704.00</b>	<b>\$0.00</b>	<b>\$60,000.00</b>	<b>\$1,266.66</b>	<b>\$1,266.66</b>	<b>\$0.13</b>	<b>\$0.13</b>	<b>\$0.00</b>	<b>\$0.00</b>

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	Total
1	\$17,870.89	\$6,254.81	\$5,377.74	\$99.97	\$29,903.42	\$0.00	\$0.00	\$0.00	\$0.00
2	\$25,994.58	\$9,094.60	\$5,552.53	\$99.97	\$40,731.69	\$0.00	\$0.00	\$0.00	\$0.00
3	\$26,194.70	\$9,168.15	\$5,733.01	\$99.97	\$41,195.83	\$0.00	\$0.00	\$0.00	\$0.00
4	\$28,330.32	\$9,915.61	\$5,919.64	\$99.97	\$44,265.55	\$0.00	\$0.00	\$0.00	\$0.00
5	\$28,518.82	\$9,981.59	\$6,111.96	\$99.97	\$44,712.33	\$0.00	\$0.00	\$0.00	\$0.00
6	\$33,030.91	\$11,560.82	\$6,310.43	\$99.97	\$51,002.13	\$0.00	\$0.00	\$0.00	\$0.00
7	\$35,029.97	\$12,260.49	\$6,515.54	\$99.97	\$53,905.96	\$0.00	\$0.00	\$0.00	\$0.00
8	\$37,754.38	\$13,214.03	\$6,727.27	\$99.97	\$57,795.66	\$0.00	\$0.00	\$0.00	\$0.00
9	\$38,203.59	\$13,371.25	\$6,946.12	\$99.97	\$58,620.92	\$0.00	\$0.00	\$0.00	\$0.00
10	\$37,569.14	\$13,149.20	\$6,883.63	\$95.30	\$57,697.26	\$0.00	\$0.00	\$0.00	\$0.00
11	\$39,236.95	\$13,732.93	\$7,107.32	\$95.30	\$60,172.50	\$0.00	\$0.00	\$0.00	\$0.00
12	\$40,414.05	\$14,144.92	\$7,338.29	\$95.30	\$61,992.56	\$0.00	\$0.00	\$0.00	\$0.00
13	\$20,008.14	\$7,002.65	\$6,457.75	\$45.77	\$33,514.62	\$0.00	\$0.00	\$0.00	\$0.00
14	\$20,608.39	\$7,212.94	\$6,667.78	\$45.77	\$34,534.87	\$0.00	\$0.00	\$0.00	\$0.00
15	\$21,226.64	\$7,429.32	\$6,867.78	\$45.77	\$35,369.51	\$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
<b>Totals</b>	<b>\$449,981.48</b>	<b>\$157,493.52</b>	<b>\$96,316.79</b>	<b>\$1,322.92</b>	<b>\$705,114.71</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

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	\$16,711.55	\$3,362.63	\$5,377.74	\$99.97	\$25,951.89	\$0.00	\$0.00	\$0.00	\$0.00
2	\$24,296.88	\$3,525.47	\$5,552.53	\$99.97	\$33,476.85	\$0.00	\$0.00	\$0.00	\$0.00
3	\$24,495.37	\$10,307.40	\$5,733.01	\$99.97	\$40,635.74	\$0.00	\$0.00	\$0.00	\$0.00
4	\$26,492.44	\$10,307.40	\$5,919.64	\$99.97	\$42,819.45	\$0.00	\$0.00	\$0.00	\$0.00
5	\$26,666.71	\$10,307.40	\$6,111.96	\$99.97	\$43,188.03	\$0.00	\$0.00	\$0.00	\$0.00
6	\$30,888.09	\$10,307.40	\$6,310.43	\$99.97	\$47,605.89	\$0.00	\$0.00	\$0.00	\$0.00
7	\$32,757.46	\$10,307.40	\$6,515.54	\$99.97	\$49,880.36	\$0.00	\$0.00	\$0.00	\$0.00
8	\$35,905.13	\$10,307.40	\$6,727.27	\$99.97	\$52,439.77	\$0.00	\$0.00	\$0.00	\$0.00
9	\$35,725.19	\$10,307.40	\$6,946.12	\$99.97	\$53,078.67	\$0.00	\$0.00	\$0.00	\$0.00
10	\$35,130.71	\$9,893.52	\$6,883.63	\$95.30	\$52,003.16	\$0.00	\$0.00	\$0.00	\$0.00
11	\$36,890.27	\$9,893.52	\$7,107.32	\$95.30	\$53,796.41	\$0.00	\$0.00	\$0.00	\$0.00
12	\$37,790.97	\$9,893.52	\$7,338.29	\$95.30	\$55,118.09	\$0.00	\$0.00	\$0.00	\$0.00
13	\$18,694.76	\$8,432.10	\$6,457.75	\$45.77	\$33,630.37	\$0.00	\$0.00	\$0.00	\$0.00
14	\$19,255.60	\$8,432.10	\$6,667.78	\$45.77	\$34,401.24	\$0.00	\$0.00	\$0.00	\$0.00
15	\$19,833.27	\$8,432.10	\$6,867.78	\$45.77	\$34,978.91	\$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
<b>Totals</b>	<b>\$420,738.39</b>	<b>\$134,016.73</b>	<b>\$96,316.79</b>	<b>\$1,322.92</b>	<b>\$652,394.83</b>	<b>\$652,394.83</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	16,711.55	3,362.63	5,377.74	99.97
0.93	22,498.96	3,264.33	5,141.24	92.56
0.86	21,000.83	8,836.93	4,915.13	85.71
0.79	21,030.96	8,192.34	4,899.20	79.36
0.74	19,602.30	7,676.54	4,492.47	73.48
0.68	21,021.92	7,015.04	4,294.77	68.04
0.63	20,642.75	6,495.41	4,105.89	63.00
0.58	20,000.21	6,014.27	3,825.30	58.33
0.54	19,301.21	5,568.77	3,752.77	54.01
0.50	17,574.10	4,849.22	3,443.53	47.67
0.46	16,994.89	4,592.61	3,262.07	44.14
0.43	16,207.90	4,243.16	3,147.27	40.87
0.40	7,423.94	3,348.90	2,564.46	18.17
0.37	7,280.24	3,100.46	2,451.73	16.83
0.34	6,752.48	2,870.80	2,270.12	15.58
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	254,443.61	79,410.72	57,873.69	857.73
	6,866.20	2,238.24	1,555.14	19.64



Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	3.58	3.12	4.02	4.12	5.06	10.95
TRC Test	4.10	3.56	4.60	4.72	5.79	12.54
RIM Test	0.73	0.64	0.82	0.84	1.03	2.19
RIM (Net Fuel)	0.91	0.80	1.02	1.05	1.29	2.73
Societal Test	4.10	3.56	4.60	4.72	5.79	12.54
Participant Test	16.15	15.87	16.15	16.15	16.15	16.55

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,852.12	100.00%
Total Cost / kWh Savings	\$0.0177	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based / 0</b>		
Allocated Costs / kW Savings	\$386.99	20.89%
Allocated Costs / kWh Savings	\$0.0140	79.11%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS					
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio		
\$4,000.00	\$14,324.22	\$10,324.22	3.58	Utility (PAC) Test	
\$4,446.00	\$18,226.01	\$13,780.01	4.10	TRC Test	
\$19,613.91	\$14,324.22	(\$5,289.69)	0.73	RIM Test	
\$15,748.41	\$14,324.22	(\$1,424.19)		RIM (Net Fuel)	
\$4,446.00	\$18,226.01	\$13,780.01	4.10	Societal Test	
\$1,400.00	\$22,608.12	\$21,208.12	16.15	Participant Test	

http://caseworks/297/DataRequests/674/Library/Attachments/DSMore 2013 Aggregation Results - - Sect=RES-EEP - Tech=CAL.xlsx]Test Results

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$9,817.14	\$7,819.07	\$10,490.89	\$10,797.00	\$13,585.96	\$31,027.43
Avoided Electric Production Adders	\$0.00	\$2,736.67	\$3,671.81	\$3,778.95	\$4,755.09	\$10,859.60
Avoided Electric Capacity	\$2,593.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02
Avoided Ancillary	\$36.04	\$35.39	\$36.04	\$36.04	\$36.04	\$36.96
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
<b>Total</b>	<b>\$14,324.22</b>	<b>\$12,469.16</b>	<b>\$16,076.76</b>	<b>\$16,490.01</b>	<b>\$20,255.10</b>	<b>\$43,802.02</b>
Administration Costs	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00
<b>Total</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>
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
<b>TRC Test</b>						
Avoided Electric Production	\$12,507.15	\$9,961.58	\$13,365.51	\$13,755.50	\$17,308.66	\$39,529.29
Avoided Electric Production Adders	\$0.00	\$3,486.55	\$4,677.93	\$4,814.42	\$6,058.03	\$13,835.25
Avoided Electric Capacity	\$3,325.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16
Avoided Ancillary	\$44.48	\$43.68	\$44.48	\$44.48	\$44.48	\$45.62
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
<b>Total</b>	<b>\$18,226.01</b>	<b>\$15,840.99</b>	<b>\$20,437.09</b>	<b>\$20,963.56</b>	<b>\$25,760.34</b>	<b>\$55,759.33</b>
Administration Costs	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW	
340	24,098	2,160	0,000	Generator
	22,257	1,995	0,000	Meter

Loss Factor: 7.640%

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$3,046.00	\$0.00	\$0.00	\$954.00	\$4,000.00

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.

<b>RIM Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$9,817.14	\$7,819.07	\$10,490.89	\$10,797.00	\$13,585.96	\$31,027.43
Avoided Electric Production Adders	\$0.00	\$2,736.67	\$3,671.81	\$3,778.95	\$4,755.09	\$10,859.60
Avoided Electric Capacity	\$2,593.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02	\$1,878.02
Avoided Ancillary	\$36.04	\$35.39	\$36.04	\$36.04	\$36.04	\$36.96
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
<b>Total</b>	<b>\$14,324.22</b>	<b>\$12,469.16</b>	<b>\$16,076.76</b>	<b>\$16,490.01</b>	<b>\$20,255.10</b>	<b>\$43,802.02</b>
Administration Costs	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00
<b>Total</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>	<b>\$4,000.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$15,613.91	\$15,333.82	\$15,613.91	\$15,613.91	\$15,613.91	\$16,016.24
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$15,613.91</b>	<b>\$15,333.82</b>	<b>\$15,613.91</b>	<b>\$15,613.91</b>	<b>\$15,613.91</b>	<b>\$16,016.24</b>
Net Fuel Lost Revenue (Electric)	\$11,748.41	\$11,537.57	\$11,748.41	\$11,748.41	\$11,748.41	\$12,051.48
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$11,748.41</b>	<b>\$11,537.57</b>	<b>\$11,748.41</b>	<b>\$11,748.41</b>	<b>\$11,748.41</b>	<b>\$12,051.48</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Societal Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$12,507.15	\$9,961.58	\$13,365.51	\$13,755.50	\$17,308.66	\$39,529.29
Avoided Electric Production Adders	\$0.00	\$3,486.55	\$4,677.93	\$4,814.42	\$6,058.03	\$13,835.25
Avoided Electric Capacity	\$3,325.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16	\$2,349.16
Avoided Ancillary	\$44.48	\$43.68	\$44.48	\$44.48	\$44.48	\$45.62
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
<b>Total</b>	<b>\$18,226.01</b>	<b>\$15,840.99</b>	<b>\$20,437.09</b>	<b>\$20,963.56</b>	<b>\$25,760.34</b>	<b>\$55,759.33</b>
Administration Costs	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00	\$3,046.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>	<b>\$3,046.00</b>
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00
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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Participant Test</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00	\$954.00
Participant Costs (gross)	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00	\$1,400.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$21,654.12	\$21,265.69	\$21,654.12	\$21,654.12	\$21,654.12	\$22,212.10
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$21,654.12</b>	<b>\$21,265.69</b>	<b>\$21,654.12</b>	<b>\$21,654.12</b>	<b>\$21,654.12</b>	<b>\$22,212.10</b>

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	340	0	340	0	340	340	\$1,400.00	\$0.00	\$1,400.00
2	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
3	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
4	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
5	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
6	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
7	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
8	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
9	0	0	340	0	340	340	\$0.00	\$0.00	\$0.00
10	0	0	40	0	40	40	\$0.00	\$0.00	\$0.00
11	0	0	40	0	40	40	\$0.00	\$0.00	\$0.00
12	0	0	40	0	40	40	\$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
<b>Totals</b>	<b>340</b>	<b>0</b>	<b>3,180</b>	<b>0</b>	<b>3,180</b>	<b>3,180</b>	<b>\$1,400</b>	<b>\$0</b>	<b>\$1,400</b>

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	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	22.73	22.73	2.16	2.16	0.00	0.00	24,097.58	24,097.58
2	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
3	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
4	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
5	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
6	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
7	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
8	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
9	0.067	0.067	0.006	0.006	0.000	0.000	70.88	70.88	23	23	2	2	0	0	24,098	24,098	0	0	0	0	0	0	0	0
10	0.068	0.068	0.006	0.006	0.000	0.000	71.88	71.88	3	3	0	0	0	0	2,875	2,875	0	0	0	0	0	0	0	0
11	0.068	0.068	0.006	0.006	0.000	0.000	71.88	71.88	3	3	0	0	0	0	2,875	2,875	0	0	0	0	0	0	0	0
12	0.068	0.068	0.006	0.006	0.000	0.000	71.88	71.88	3	3	0	0	0	0	2,875	2,875	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
<b>Totals</b>							<b>854</b>	<b>854</b>							<b>225,504</b>	<b>225,504</b>							<b>24,098</b>	<b>24,098</b>

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	\$5.86	\$0.00	\$5.86	\$1,992.89	\$0.00	\$1,992.89	\$1,424.26	\$0.00	\$1,424.26
2	\$6.15	\$0.00	\$6.15	\$2,082.54	\$0.00	\$2,082.54	\$1,523.90	\$0.00	\$1,523.90
3	\$6.46	\$0.00	\$6.46	\$2,197.16	\$0.00	\$2,197.16	\$1,628.53	\$0.00	\$1,628.53
4	\$6.79	\$0.00	\$6.79	\$2,307.02	\$0.00	\$2,307.02	\$1,738.39	\$0.00	\$1,738.39
5	\$7.12	\$0.00	\$7.12	\$2,422.37	\$0.00	\$2,422.37	\$1,853.74	\$0.00	\$1,853.74
6	\$7.20	\$0.00	\$7.20	\$2,446.60	\$0.00	\$2,446.60	\$1,877.96	\$0.00	\$1,877.96
7	\$7.27	\$0.00	\$7.27	\$2,471.06	\$0.00	\$2,471.06	\$1,902.43	\$0.00	\$1,902.43
8	\$7.34	\$0.00	\$7.34	\$2,495.77	\$0.00	\$2,495.77	\$1,927.14	\$0.00	\$1,927.14
9	\$7.41	\$0.00	\$7.41	\$2,520.73	\$0.00	\$2,520.73	\$1,952.10	\$0.00	\$1,952.10
10	\$7.59	\$0.00	\$7.59	\$303.78	\$0.00	\$303.78	\$235.93	\$0.00	\$235.93
11	\$7.67	\$0.00	\$7.67	\$306.81	\$0.00	\$306.81	\$238.97	\$0.00	\$238.97
12	\$7.75	\$0.00	\$7.75	\$309.88	\$0.00	\$309.88	\$242.03	\$0.00	\$242.03
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
<b>Totals</b>	<b>\$84.62</b>	<b>\$0.00</b>	<b>\$84.62</b>	<b>\$21,866.62</b>	<b>\$0.00</b>	<b>\$21,866.62</b>	<b>\$16,545.36</b>	<b>\$0.00</b>	<b>\$16,545.36</b>

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)		
1	\$3,046.00	\$0.00	\$954.00	\$0.00	\$4,000.00	\$1,852.12	\$1,852.12	\$0.17	\$0.17	\$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
<b>Totals</b>	<b>\$3,046.00</b>	<b>\$0.00</b>	<b>\$954.00</b>	<b>\$0.00</b>	<b>\$4,000.00</b>	<b>\$1,852.12</b>	<b>\$1,852.12</b>	<b>\$0.17</b>	<b>\$0.17</b>	<b>\$0.00</b>	<b>\$0.00</b>

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	\$946.98	\$331.44	\$245.19	\$5.30	\$1,528.91	\$0.00	\$0.00	\$0.00		
2	\$1,376.63	\$481.92	\$253.16	\$5.30	\$2,117.31	\$0.00	\$0.00	\$0.00		
3	\$1,388.06	\$485.82	\$261.39	\$5.30	\$2,140.57	\$0.00	\$0.00	\$0.00		
4	\$1,501.23	\$525.43	\$269.90	\$5.30	\$2,301.85	\$0.00	\$0.00	\$0.00		
5	\$1,511.22	\$526.93	\$276.66	\$5.30	\$2,324.11	\$0.00	\$0.00	\$0.00		
6	\$1,750.31	\$612.61	\$287.71	\$5.30	\$2,655.94	\$0.00	\$0.00	\$0.00		
7	\$1,856.24	\$649.68	\$297.07	\$5.30	\$2,808.29	\$0.00	\$0.00	\$0.00		
8	\$2,000.61	\$700.21	\$306.72	\$5.30	\$3,012.84	\$0.00	\$0.00	\$0.00		
9	\$2,024.41	\$708.54	\$316.70	\$5.30	\$3,054.95	\$0.00	\$0.00	\$0.00		
10	\$2,49.17	\$87.21	\$39.01	\$0.63	\$376.02	\$0.00	\$0.00	\$0.00		
11	\$260.23	\$91.08	\$40.28	\$0.63	\$392.22	\$0.00	\$0.00	\$0.00		
12	\$268.03	\$93.81	\$41.59	\$0.63	\$404.07	\$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		
<b>Totals</b>	<b>\$15,133.41</b>	<b>\$5,296.69</b>	<b>\$2,637.38</b>	<b>\$49.61</b>	<b>\$23,117.09</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		

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	\$696.16	\$153.31	\$245.19	\$5.30	\$1,299.97	\$0.00	\$0.00	\$0.00		
2	\$1,288.50	\$160.74	\$253.16	\$5.30	\$1,707.69	\$0.00	\$0.00	\$0.00		
3	\$1,298.92	\$469.95	\$261.39	\$5.30	\$2,035.55	\$0.00	\$0.00	\$0.00		
4	\$1,404.61	\$469.95	\$269.90	\$5.30	\$2,149.96	\$0.00	\$0.00	\$0.00		
5	\$1,414.16	\$469.95	\$276.66	\$5.30	\$2,168.08	\$0.00	\$0.00	\$0.00		
6	\$1,637.90	\$469.95	\$287.71	\$5.30	\$2,400.87	\$0.00	\$0.00	\$0.00		
7	\$1,737.03	\$469.95	\$297.07	\$5.30	\$2,509.35	\$0.00	\$0.00	\$0.00		
8	\$1,872.12	\$469.95	\$306.72	\$5.30	\$2,654.09	\$0.00	\$0.00	\$0.00		
9	\$1,894.40	\$469.95	\$316.70	\$5.30	\$2,686.35	\$0.00	\$0.00	\$0.00		
10	\$233.16	\$56.07	\$39.01	\$0.63	\$328.88	\$0.00	\$0.00	\$0.00		
11	\$243.51	\$56.07	\$40.28	\$0.63	\$340.50	\$0.00	\$0.00	\$0.00		
12	\$250.82	\$56.07	\$41.59	\$0.63	\$349.12	\$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		
<b>Totals</b>	<b>\$14,161.51</b>	<b>\$3,771.91</b>	<b>\$2,637.38</b>	<b>\$49.61</b>	<b>\$20,620.41</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>		

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	896.16	153.31	245.19	5.30
0.93	1,193.05	148.83	234.41	4.91
0.86	1,113.61	402.91	224.10	4.55
0.79	1,119.19	373.86	214.25	4.21
0.74	1,039.45	345.43	204.83	3.90
0.68	1,114.73	319.84	195.81	3.61
0.63	1,094.62	296.15	187.20	3.34
0.58	1,092.37	274.21	179.97	3.09
0.54	1,023.49	253.90	171.10	2.86
0.50	116.64	28.05	19.52	0.32
0.46	112.79	25.97	18.66	0.29
0.43	107.97	24.05	17.84	0.27
0.40	-	-	-	-
0.37	-	-	-	-
0.34	-	-	-	-
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	10,009.67	2,645.71	1,911.87	36.65
	192.53	\$2.69	33.65	0.81

Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.63	6.77	8.75	8.98	11.06	24.03
TRC Test	2.16	1.92	2.48	2.54	3.13	6.82
RIM Test	0.85	0.77	0.98	1.00	1.23	2.62
RIM (Net Fuel)	1.08	0.97	1.24	1.27	1.57	3.33
Societal Test	2.16	1.92	2.48	2.54	3.13	6.82
Participant Test	2.72	2.67	2.72	2.72	2.72	2.79

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$1,318.98	100.00%
Total Cost / kWh Savings	\$0.01	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
<b>Allocated By Cost-Based Avoided Costs</b>		
Allocated Costs / kW Savings	\$251.65	19.08%
Allocated Costs / kWh Savings	\$0.01	80.92%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$23,000.00	\$175,582.27	\$152,582.27	7.63	Utility (PAC) Test
\$119,250.00	\$257,209.90	\$137,959.90	2.16	TRC Test
\$206,291.13	\$175,582.27	(\$30,708.86)	0.85	RIM Test
\$162,369.00	\$175,582.27	\$13,213.27		RIM (Net Fuel)
\$119,250.00	\$257,209.90	\$137,959.90	2.16	Societal Test
\$112,000.00	\$304,701.74	\$192,701.74	2.72	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
<b>Utility (PAC) Test</b>						
Avoided Electric Production	\$124,402.38	\$99,082.94	\$132,940.13	\$136,819.11	\$172,160.68	\$393,178.29
Avoided Electric Production Adders	\$0.00	\$34,679.03	\$46,529.04	\$47,886.69	\$60,256.24	\$137,612.40
Avoided Electric Capacity	\$29,330.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68
Avoided Ancillary	\$409.49	\$402.16	\$409.49	\$409.49	\$409.49	\$420.01
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
<b>Total</b>	<b>\$175,582.27</b>	<b>\$155,603.81</b>	<b>\$201,318.35</b>	<b>\$206,554.97</b>	<b>\$254,266.09</b>	<b>\$552,650.38</b>
Administration Costs	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00
Total	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>TRC Test</b>						
Avoided Electric Production	\$183,209.70	\$145,921.28	\$195,783.40	\$201,496.05	\$253,544.23	\$579,040.98
Avoided Electric Production Adders	\$0.00	\$51,072.45	\$68,524.19	\$70,523.62	\$88,740.48	\$202,664.34
Avoided Electric Capacity	\$42,618.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11
Avoided Ancillary	\$570.21	\$560.00	\$570.21	\$570.21	\$570.21	\$584.86
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
<b>Total</b>	<b>\$257,209.90</b>	<b>\$228,364.84</b>	<b>\$295,688.91</b>	<b>\$303,400.99</b>	<b>\$373,666.04</b>	<b>\$813,101.28</b>
Administration Costs	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total</b>	<b>\$7,250.00</b>	<b>\$7,250.00</b>	<b>\$7,250.00</b>	<b>\$7,250.00</b>	<b>\$7,250.00</b>	<b>\$7,250.00</b>
Reduced Amers	\$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
<b>Total</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>RIM Test</b>						
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Parts	kWh	Summer kW	Winter kW
10	206,583	17,438	0,000

Admin Costs	Implement Costs	Other/Misc Costs	Incentives	Total Costs
\$7,250.00	\$0.00	\$0.00	\$15,750.00	\$23,000.00

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 strip) 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.

Avoided Electric Production	\$124,402.38	\$99,082.94	\$132,940.13	\$136,819.11	\$172,160.68	\$393,178.29
Avoided Electric Production Adders	\$0.00	\$34,679.03	\$46,529.04	\$47,886.69	\$60,256.24	\$137,612.40
Avoided Electric Capacity	\$29,330.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68	\$21,439.68
Avoided Ancillary	\$409.49	\$409.49	\$409.49	\$409.49	\$409.49	\$420.01
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	\$175,582.27	\$155,603.81	\$201,318.35	\$206,554.97	\$254,266.09	\$552,650.38
Administration Costs	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00
Total	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00	\$23,000.00
Reduced Amrars	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$183,291.13	\$180,003.24	\$183,291.13	\$183,291.13	\$183,291.13	\$188,014.17
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$183,291.13	\$180,003.24	\$183,291.13	\$183,291.13	\$183,291.13	\$188,014.17
Net Fuel Lost Revenue (Electric)	\$139,369.00	\$136,867.91	\$139,369.00	\$139,369.00	\$139,369.00	\$142,964.04
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$139,369.00	\$136,867.91	\$139,369.00	\$139,369.00	\$139,369.00	\$142,964.04
Societal Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production	\$183,209.70	\$145,921.28	\$195,783.40	\$201,496.05	\$253,544.23	\$579,040.98
Avoided Electric Production Adders	\$0.00	\$51,072.45	\$68,524.19	\$70,523.62	\$88,740.48	\$202,664.34
Avoided Electric Capacity	\$42,818.87	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11	\$30,811.11
Avoided Ancillary	\$570.21	\$560.00	\$570.21	\$570.21	\$570.21	\$584.86
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	\$257,209.90	\$228,364.84	\$295,688.91	\$303,400.99	\$373,666.04	\$813,101.28
Administration Costs	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00	\$7,250.00
Reduced Amrars	\$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
Participant Test	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00	\$15,750.00
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)	\$288,951.74	\$283,768.49	\$288,951.74	\$288,951.74	\$288,951.74	\$296,397.43
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$288,951.74	\$283,768.49	\$288,951.74	\$288,951.74	\$288,951.74	\$296,397.43

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	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	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
<b>Totals</b>	<b>10</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>\$112,000</b>	<b>\$0</b>	<b>\$112,000</b>

Impacts and Savings																								
Year	Per Participant												Electric Impacts/Savings						Yearly Incremental (Per Participant * Incremental Participants)					
	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	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	11	11	17.44	17.44	0.00	0.00	206,582.7	206,582.7
2	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
3	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
4	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
5	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
6	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
7	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
8	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
9	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
10	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
11	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
12	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
13	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
14	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	0	0	0	0	0	0	0	0
15	1.076	1.076	1.744	1.744	0.000	0.000	20,658.27	20,658.27	11	11	17	17	0	0	206,583	206,583	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
<b>Totals</b>							<b>309,874</b>	<b>309,874</b>							<b>3,098,740</b>	<b>3,098,740</b>							<b>206,583</b>	<b>206,583</b>

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 Net Free/Perist Electric	Net Fuel Net Free/Perist Gas	Net Fuel Net Free/Perist Total
1	\$1,708.46	\$0.00	\$1,708.46	\$17,084.57	\$0.00	\$17,084.57	\$12,209.80	\$0.00	\$12,209.80
2	\$1,793.88	\$0.00	\$1,793.88	\$17,938.80	\$0.00	\$17,938.80	\$13,064.03	\$0.00	\$13,064.03
3	\$1,883.57	\$0.00	\$1,883.57	\$18,835.74	\$0.00	\$18,835.74	\$13,960.97	\$0.00	\$13,960.97
4	\$1,977.75	\$0.00	\$1,977.75	\$19,777.53	\$0.00	\$19,777.53	\$14,902.76	\$0.00	\$14,902.76
5	\$2,076.64	\$0.00	\$2,076.64	\$20,766.40	\$0.00	\$20,766.40	\$15,891.64	\$0.00	\$15,891.64
6	\$2,097.41	\$0.00	\$2,097.41	\$20,974.07	\$0.00	\$20,974.07	\$16,099.30	\$0.00	\$16,099.30
7	\$2,118.38	\$0.00	\$2,118.38	\$21,183.81	\$0.00	\$21,183.81	\$16,309.04	\$0.00	\$16,309.04
8	\$2,139.56	\$0.00	\$2,139.56	\$21,395.65	\$0.00	\$21,395.65	\$16,520.88	\$0.00	\$16,520.88
9	\$2,160.96	\$0.00	\$2,160.96	\$21,609.60	\$0.00	\$21,609.60	\$16,734.83	\$0.00	\$16,734.83
10	\$2,182.57	\$0.00	\$2,182.57	\$21,825.70	\$0.00	\$21,825.70	\$16,950.93	\$0.00	\$16,950.93
11	\$2,204.40	\$0.00	\$2,204.40	\$22,043.96	\$0.00	\$22,043.96	\$17,169.19	\$0.00	\$17,169.19
12	\$2,226.44	\$0.00	\$2,226.44	\$22,264.40	\$0.00	\$22,264.40	\$17,389.63	\$0.00	\$17,389.63
13	\$2,248.70	\$0.00	\$2,248.70	\$22,487.04	\$0.00	\$22,487.04	\$17,612.27	\$0.00	\$17,612.27
14	\$2,271.19	\$0.00	\$2,271.19	\$22,711.91	\$0.00	\$22,711.91	\$17,837.14	\$0.00	\$17,837.14
15	\$2,293.90	\$0.00	\$2,293.90	\$22,939.03	\$0.00	\$22,939.03	\$18,064.26	\$0.00	\$18,064.26
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
<b>Totals</b>	<b>\$31,383.82</b>	<b>\$0.00</b>	<b>\$31,383.82</b>	<b>\$313,838.20</b>	<b>\$0.00</b>	<b>\$313,838.20</b>	<b>\$240,716.68</b>	<b>\$0.00</b>	<b>\$240,716.68</b>

Utility Program Costs											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh (net)	\$/kWh	\$/kWh	\$/CCF	\$/CCF (net)	
1	\$7,250.00	\$0.00	\$15,750.00	\$0.00	\$23,000.00	\$1,318.98	\$1,318.98	\$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
<b>Totals</b>	<b>\$7,250.00</b>	<b>\$0.00</b>	<b>\$15,750.00</b>	<b>\$0.00</b>	<b>\$23,000.00</b>	<b>\$1,318.98</b>	<b>\$1,318.98</b>	<b>\$0.11</b>	<b>\$0.11</b>	<b>\$0.00</b>	<b>\$0.00</b>

Market-Based Avoided Costs (Net Free Riders/Persistence) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address	T&D	Auxiliary	Gas Distribution	Gas Fuel
1	\$8,118.23	\$2,841.38	\$1,979.70	\$45.45	\$12,984.76	\$0.00
2	\$11,894.05	\$4,131.42	\$2,944.04	\$45.45	\$19,224.96	\$0.00
3	\$11,899.50	\$4,164.83	\$2,110.48	\$45.45	\$18,220.26	\$0.00
4	\$12,869.65	\$4,504.38	\$2,179.19	\$45.45	\$19,598.67	\$0.00
5	\$12,955.28	\$4,534.35	\$2,249.98	\$45.45	\$19,785.06	\$0.00
6	\$15,005.00	\$5,251.75	\$2,323.05	\$45.45	\$22,625.24	\$0.00
7	\$15,913.11	\$5,569.59	\$2,398.55	\$45.45	\$23,926.70	\$0.00
8	\$17,150.73	\$6,002.76	\$2,476.50	\$45.45	\$25,675.44	\$0.00
9	\$17,254.79	\$6,014.18	\$2,557.06	\$45.45	\$26,031.48	\$0.00
10	\$17,902.02	\$6,265.71	\$2,640.06	\$45.45	\$26,853.24	\$0.00
11	\$18,696.75	\$6,543.86	\$2,725.86	\$45.45	\$28,011.92	\$0.00
12	\$19,257.65	\$6,740.18	\$2,814.44	\$45.45	\$28,857.72	\$0.00
13	\$19,835.38	\$6,942.38	\$2,905.99	\$45.45	\$29,729.20	\$0.00
14	\$20,430.44	\$7,150.65	\$3,000.50	\$45.45	\$30,627.05	\$0.00
15	\$21,043.35	\$7,365.17	\$3,000.50	\$45.45	\$31,454.48	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$240,235.95</b>	<b>\$84,082.88</b>	<b>\$37,405.92</b>	<b>\$681.72</b>	<b>\$362,406.17</b>	<b>\$0.00</b>

Cost-Based Avoided Costs (Net Free Riders/Persistence)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Fuel
1	\$7,596.86	\$1,227.88	\$1,979.70	\$45.45	\$10,869.89	\$0.00
2	\$11,045.97	\$1,297.83	\$2,044.04	\$45.45	\$14,433.28	\$0.00
3	\$11,135.29	\$3,794.44	\$2,110.48	\$45.45	\$17,085.66	\$0.00
4	\$12,043.13	\$3,794.44	\$2,179.19	\$45.45	\$18,052.21	\$0.00
5	\$12,123.26	\$3,794.44	\$2,249.98	\$45.45	\$18,213.14	\$0.00
6	\$14,041.34	\$3,794.44	\$2,323.05	\$45.45	\$20,204.28	\$0.00
7	\$14,891.13	\$3,794.44	\$2,398.55	\$45.45	\$21,129.57	\$0.00
8	\$16,049.27	\$3,794.44	\$2,476.50	\$45.45	\$22,365.66	\$0.00
9	\$16,240.22	\$3,794.44	\$2,557.06	\$45.45	\$22,637.18	\$0.00
10	\$16,752.31	\$3,794.44	\$2,640.06	\$45.45	\$23,232.27	\$0.00
11	\$17,496.00	\$3,794.44	\$2,725.86	\$45.45	\$24,011.75	\$0.00
12	\$18,020.88	\$3,794.44	\$2,814.44	\$45.45	\$24,675.21	\$0.00
13	\$18,561.50	\$3,794.44	\$2,905.99	\$45.45	\$25,307.38	\$0.00
14	\$19,118.35	\$3,794.44	\$3,000.50	\$45.45	\$25,968.74	\$0.00
15	\$19,691.90	\$3,794.44	\$3,000.50	\$45.45	\$26,532.29	\$0.00
16	\$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
18	\$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
20	\$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
22	\$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
24	\$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
<b>Totals</b>	<b>\$224,807.40</b>	<b>\$51,863.48</b>	<b>\$37,405.92</b>	<b>\$681.72</b>	<b>\$314,758.52</b>	<b>\$0.00</b>

Cost Based NPV				
	Energy	Capacity	T&D	Auxiliary
1.00	7,596.86	1,227.88	1,979.70	45.45
0.93	10,227.75	1,201.69	1,892.63	42.08
0.86	9,546.71	3,253.12	1,809.40	38.96
0.79	9,960.23	3,012.15	1,729.91	36.88
0.74	8,910.86	2,789.63	1,653.81	33.41
0.68	9,556.30	2,682.43	1,581.03	30.93
0.63	9,383.94	2,391.14	1,511.50	28.64
0.58	9,364.80	2,214.62	1,445.01	26.52
0.54	8,774.09	2,050.02	1,381.50	24.55
0.50	8,380.33	1,898.17	1,320.69	22.74
0.46	8,104.03	1,757.66	1,262.60	21.05
0.43	7,728.84	1,627.37	1,207.07	19.49
0.40	7,371.03	1,506.83	1,154.01	18.05
0.37	7,029.78	1,395.21	1,103.28	16.71
0.34	6,704.32	1,291.86	1,051.55	15.47
0.32	-	-	-	-
0.29	-	-	-	-
0.27	-	-	-	-
0.25	-	-	-	-
0.23	-	-	-	-
	<b>128,239.76</b>	<b>30,208.49</b>	<b>22,053.68</b>	<b>420.13</b>
	<b>3,837.37</b>	<b>877.78</b>	<b>614.00</b>	<b>10.84</b>