

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=RES-EEP - Tech=ACC.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	20.79	8.98	9.17	9.21	9.33	10.63
TRC Test	30.07	12.91	13.20	13.25	13.44	15.35
RIM Test	13.32	5.89	5.87	5.90	5.98	6.65
RIM (Net Fuel)	14.24	6.28	6.28	6.31	6.39	7.13
Societal Test	30.07	12.91	13.20	13.25	13.44	15.35
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	\$142.07	100.00%
Total Cost / kWh Savings	\$0.1394	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based /	0	
Allocated Costs / kW Savings	\$138.62	97.57%
Allocated Costs / kWh Savings	\$0.0034	2.43%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$11,607.34	\$241,303.54	\$229,696.20	20.79	Utility (PAC) Test
\$11,607.34	\$349,090.72	\$337,483.38	30.07	TRC Test
\$18,122.35	\$241,303.54	\$223,181.19	13.32	RIM Test
\$16,942.49	\$241,303.54	\$224,361.05		RIM (Net Fuel)
\$11,607.34	\$349,090.72	\$337,483.38	30.07	Societal Test
\$0.00	\$7,192.76	\$7,192.76	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$3,423.84	\$2,765.55	\$4,439.06	\$4,744.59	\$5,823.54	\$16,997.89
Avoided Electric Production Adders	\$0.00	\$967.94	\$1,553.67	\$1,660.61	\$2,038.24	\$5,949.26
Avoided Electric Capacity	\$137,419.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89
Avoided Ancillary	\$11.00	\$10.26	\$11.00	\$11.00	\$11.00	\$11.75
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	\$241,303.54	\$104,192.64	\$106,452.61	\$106,865.08	\$108,321.67	\$123,407.79
Administration Costs	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49
Implementation / Participation Costs	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85
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	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TRC Test						
Avoided Electric Production	\$5,042.35	\$4,072.88	\$6,537.48	\$6,987.44	\$8,576.44	\$25,033.11
Avoided Electric Production Adders	\$0.00	\$1,425.51	\$2,288.12	\$2,445.60	\$3,001.75	\$8,761.59
Avoided Electric Capacity	\$199,677.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75
Avoided Ancillary	\$15.32	\$14.29	\$15.32	\$15.32	\$15.32	\$16.36
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	\$349,090.72	\$149,868.43	\$153,196.67	\$153,804.11	\$155,949.26	\$178,166.81
Administration Costs	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49
Implementation / Participation Costs	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

RIM Test						
Avoided Electric Production	\$3,423.84	\$2,765.55	\$4,439.06	\$4,744.59	\$5,823.54	\$16,997.89
Avoided Electric Production Adders	\$0.00	\$967.94	\$1,553.67	\$1,660.61	\$2,038.24	\$5,949.26
Avoided Electric Capacity	\$137,419.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89	\$100,448.89
Avoided Ancillary	\$11.00	\$10.26	\$11.00	\$11.00	\$11.00	\$11.75
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	\$241,303.54	\$104,192.64	\$106,452.61	\$106,865.08	\$108,321.67	\$123,407.79
Administration Costs	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49
Implementation / Participation Costs	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85
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	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$6,515.01	\$6,079.27	\$6,515.01	\$6,515.01	\$6,515.01	\$6,958.99
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$6,515.01	\$6,079.27	\$6,515.01	\$6,515.01	\$6,515.01	\$6,958.99
Net Fuel Lost Revenue (Electric)	\$5,335.15	\$4,978.32	\$5,335.15	\$5,335.15	\$5,335.15	\$5,698.73
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,335.15	\$4,978.32	\$5,335.15	\$5,335.15	\$5,335.15	\$5,698.73

Parts	kWh	Summer kW	Winter kW	
115	5,549.33	81,699	0,000	Generator
	5,549.33	81,699	0,000	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$8,444.49	\$3,162.85	\$0.00	\$0.00	\$11,607.34	

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=RES-D-EEP - Tech=ACC.xlsx

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$5,042.35	\$4,072.88	\$6,537.48	\$6,987.44	\$8,576.44	\$25,033.11
Avoided Electric Production Adders	\$0.00	\$1,425.51	\$2,288.12	\$2,445.60	\$3,001.75	\$8,761.59
Avoided Electric Capacity	\$199,677.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75	\$144,355.75
Avoided Ancillary	\$15.32	\$14.29	\$15.32	\$15.32	\$15.32	\$16.36
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	\$349,090.72	\$149,868.43	\$153,196.67	\$153,804.11	\$155,949.26	\$178,166.81
Administration Costs	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49	\$8,444.49
Implementation / Participation Costs	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85	\$3,162.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34	\$11,607.34
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
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)	\$7,192.76	\$6,711.69	\$7,192.76	\$7,192.76	\$7,192.76	\$7,682.94
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,192.76	\$6,711.69	\$7,192.76	\$7,192.76	\$7,192.76	\$7,682.94

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DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=RES-D-EEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	15.12	14.98	17.41	17.62	20.43	35.66
TRC Test	5.52	5.46	6.36	6.44	7.47	13.08
RIM Test	0.94	0.95	1.08	1.10	1.27	2.18
RIM (Net Fuel)	1.14	1.14	1.31	1.33	1.54	2.64
Societal Test	5.52	5.46	6.36	6.44	7.47	13.08
Participant Test	5.14	5.06	5.14	5.14	5.14	5.24

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$140.75	100.00%
Total Cost / kWh Savings	\$0.0056	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based /	0	
Allocated Costs / kW Savings	\$10.53	7.48%
Allocated Costs / kWh Savings	\$0.0052	92.52%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$9,980.09	\$150,908.57	\$140,928.48	15.12	Utility (PAC) Test
\$36,940.09	\$203,736.00	\$166,795.91	5.52	TRC Test
\$160,256.95	\$150,908.57	(\$9,348.39)	0.94	RIM Test
\$132,503.00	\$150,908.57	\$18,405.57		RIM (Net Fuel)
\$36,940.09	\$203,736.00	\$166,795.91	5.52	Societal Test
\$33,600.00	\$172,726.09	\$139,126.09	5.14	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$74,362.52	\$58,480.42	\$76,480.05	\$78,038.05	\$98,757.05	\$211,387.24
Avoided Electric Production Adders	\$0.00	\$20,468.15	\$26,768.02	\$27,313.32	\$34,564.97	\$73,985.53
Avoided Electric Capacity	\$6,016.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23
Avoided Ancillary	\$258.75	\$254.65	\$258.75	\$258.75	\$258.75	\$263.81
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	\$150,908.57	\$149,474.45	\$173,778.05	\$175,881.35	\$203,852.00	\$355,907.81
Administration Costs	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20
Implementation / Participation Costs	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00
Total	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$101,409.36	\$79,750.69	\$104,297.08	\$106,421.74	\$134,676.57	\$288,272.16
Avoided Electric Production Adders	\$0.00	\$27,912.74	\$36,503.98	\$37,247.61	\$47,136.80	\$100,895.26
Avoided Electric Capacity	\$8,188.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77
Avoided Ancillary	\$338.30	\$332.94	\$338.30	\$338.30	\$338.30	\$344.92
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
Total	\$203,736.00	\$201,796.14	\$234,939.12	\$237,807.42	\$275,951.44	\$483,312.11
Administration Costs	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20
Implementation / Participation Costs	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$74,362.52	\$58,480.42	\$76,480.05	\$78,038.05	\$98,757.05	\$211,387.24
Avoided Electric Production Adders	\$0.00	\$20,468.15	\$26,768.02	\$27,313.32	\$34,564.97	\$73,985.53
Avoided Electric Capacity	\$6,016.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23	\$70,271.23
Avoided Ancillary	\$258.75	\$254.65	\$258.75	\$258.75	\$258.75	\$263.81
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	\$150,908.57	\$149,474.45	\$173,778.05	\$175,881.35	\$203,852.00	\$355,907.81
Administration Costs	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20
Implementation / Participation Costs	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00
Total	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09	\$9,980.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$150,276.87	\$147,892.04	\$150,276.87	\$150,276.87	\$150,276.87	\$153,212.69
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$150,276.87	\$147,892.04	\$150,276.87	\$150,276.87	\$150,276.87	\$153,212.69
Net Fuel Lost Revenue (Electric)	\$122,522.91	\$120,578.18	\$122,522.91	\$122,522.91	\$122,522.91	\$124,915.95
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$122,522.91	\$120,578.18	\$122,522.91	\$122,522.91	\$122,522.91	\$124,915.95

Parts	kWh	Summer kW	Winter kW	
16	147,591.66	4.133	66.773	Generator
	136,315.66	3.818	61.671	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$706.20	\$2,633.89	\$0.00	\$6,640.00	\$9,980.09	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$101,409.36	\$79,750.69	\$104,297.08	\$106,421.74	\$134,676.57	\$288,272.16
Avoided Electric Production Adders	\$0.00	\$27,912.74	\$36,503.98	\$37,247.61	\$47,136.80	\$100,895.26
Avoided Electric Capacity	\$8,188.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77	\$93,799.77
Avoided Ancillary	\$338.30	\$332.94	\$338.30	\$338.30	\$338.30	\$344.92
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
Total	\$203,736.00	\$201,796.14	\$234,939.12	\$237,807.42	\$275,951.44	\$483,312.11
Administration Costs	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20	\$706.20
Implementation / Participation Costs	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89	\$2,633.89
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09	\$3,340.09
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00
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						
Incentives	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00	\$6,640.00
Participant Costs (gross)	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00	\$33,600.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$166,086.09	\$163,450.38	\$166,086.09	\$166,086.09	\$166,086.09	\$169,330.76
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$166,086.09	\$163,450.38	\$166,086.09	\$166,086.09	\$166,086.09	\$169,330.76

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Attachment 1 to IR SD-PUC-01-03

DSM 2013 Aggregation Results- 2016 EEP Status Report - Sect=RES-D-EEP - Tech=GSHP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	12.34	11.51	13.85	14.05	16.74	31.37
TRC Test	3.64	3.40	4.10	4.16	4.96	9.32
RIM Test	0.83	0.78	0.93	0.94	1.12	2.06
RIM (Net Fuel)	0.99	0.94	1.12	1.13	1.35	2.48
Societal Test	3.64	3.40	4.10	4.16	4.96	9.32
Participant Test	3.36	3.31	3.36	3.36	3.36	3.42

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$255.19	100.00%
Total Cost / kWh Savings	\$0.0056	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$38.48	15.08%
Allocated Costs / kWh Savings	\$0.0047	84.92%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$2,308.76	\$28,484.27	\$26,175.51	12.34	Utility (PAC) Test
\$11,408.76	\$41,567.46	\$30,158.70	3.64	TRC Test
\$34,505.74	\$28,484.27	(\$6,021.48)	0.83	RIM Test
\$28,649.46	\$28,484.27	(\$165.19)		RIM (Net Fuel)
\$11,408.76	\$41,567.46	\$30,158.70	3.64	Societal Test
\$11,200.00	\$37,646.43	\$26,446.43	3.36	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$16,517.22	\$12,989.53	\$16,987.56	\$17,333.62	\$21,935.67	\$46,952.81
Avoided Electric Production Adders	\$0.00	\$4,546.33	\$5,945.65	\$6,066.77	\$7,677.48	\$16,433.48
Avoided Electric Capacity	\$2,933.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38
Avoided Ancillary	\$54.60	\$53.73	\$54.60	\$54.60	\$54.60	\$55.67
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	\$28,484.27	\$26,568.97	\$31,967.18	\$32,434.36	\$38,647.13	\$72,421.34
Administration Costs	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14
Implementation / Participation Costs	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00
Total	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$24,325.21	\$19,129.92	\$25,017.89	\$25,527.54	\$32,305.07	\$69,148.27
Avoided Electric Production Adders	\$0.00	\$6,695.47	\$8,756.26	\$8,934.64	\$11,306.77	\$24,201.90
Avoided Electric Capacity	\$4,261.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33
Avoided Ancillary	\$76.03	\$74.82	\$76.03	\$76.03	\$76.03	\$77.52
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	\$41,567.46	\$38,804.54	\$46,754.51	\$47,442.54	\$56,592.20	\$106,332.01
Administration Costs	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14
Implementation / Participation Costs	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$208.76	\$208.76	\$208.76	\$208.76	\$208.76	\$208.76
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00
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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$16,517.22	\$12,989.53	\$16,987.56	\$17,333.62	\$21,935.67	\$46,952.81
Avoided Electric Production Adders	\$0.00	\$4,546.33	\$5,945.65	\$6,066.77	\$7,677.48	\$16,433.48
Avoided Electric Capacity	\$2,933.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38	\$8,979.38
Avoided Ancillary	\$54.60	\$53.73	\$54.60	\$54.60	\$54.60	\$55.67
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	\$28,484.27	\$26,568.97	\$31,967.18	\$32,434.36	\$38,647.13	\$72,421.34
Administration Costs	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14
Implementation / Participation Costs	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00
Total	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76	\$2,308.76
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$32,196.99	\$31,686.04	\$32,196.99	\$32,196.99	\$32,196.99	\$32,825.99
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$32,196.99	\$31,686.04	\$32,196.99	\$32,196.99	\$32,196.99	\$32,825.99
Net Fuel Lost Revenue (Electric)	\$26,340.70	\$25,922.61	\$26,340.70	\$26,340.70	\$26,340.70	\$26,855.17
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$26,340.70	\$25,922.61	\$26,340.70	\$26,340.70	\$26,340.70	\$26,855.17

Parts	kWh	Summer kW	Winter kW	
1	27,544.37	1,744	6,745	Generator
	25,439.98	1,611	6,745	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$44.14	\$164.62	\$0.00	\$2,100.00	\$2,308.76	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$24,325.21	\$19,129.92	\$25,017.89	\$25,527.54	\$32,305.07	\$69,148.27
Avoided Electric Production Adders	\$0.00	\$6,695.47	\$8,756.26	\$8,934.64	\$11,306.77	\$24,201.90
Avoided Electric Capacity	\$4,261.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33	\$12,904.33
Avoided Ancillary	\$76.03	\$74.82	\$76.03	\$76.03	\$76.03	\$77.52
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	\$41,567.46	\$38,804.54	\$46,754.51	\$47,442.54	\$56,592.20	\$106,332.01
Administration Costs	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14	\$44.14
Implementation / Participation Costs	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62	\$164.62
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$208.76	\$208.76	\$208.76	\$208.76	\$208.76	\$208.76
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00
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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00	\$2,100.00
Participant Costs (gross)	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00	\$11,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$35,546.43	\$34,982.33	\$35,546.43	\$35,546.43	\$35,546.43	\$36,240.87
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$35,546.43	\$34,982.33	\$35,546.43	\$35,546.43	\$35,546.43	\$36,240.87

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=RESD-EEP - Tech=LTG.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	4.68	4.56	6.01	6.18	7.70	17.17
TRC Test	29.11	28.36	37.40	38.43	47.86	106.84
RIM Test	0.52	0.52	0.67	0.69	0.86	1.87
RIM (Net Fuel)	0.63	0.62	0.80	0.83	1.03	2.24
Societal Test	29.11	28.36	37.40	38.43	47.86	106.84
Participant Test	286.28	281.58	286.28	286.28	286.28	293.03

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$3,479.63	100.00%
Total Cost / kWh Savings	\$0.0107	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$333.19	9.58%
Allocated Costs / kWh Savings	\$0.0097	90.42%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$5,960.87	\$27,923.61	\$21,962.75	4.68	Utility (PAC) Test
\$1,305.90	\$38,016.72	\$36,710.82	29.11	TRC Test
\$53,374.00	\$27,923.61	(\$25,450.39)	0.52	RIM Test
\$44,623.07	\$27,923.61	(\$16,699.46)		RIM (Net Fuel)
\$1,305.90	\$38,016.72	\$36,710.82	29.11	Societal Test
\$200.00	\$57,256.00	\$57,056.00	286.28	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$23,545.84	\$18,753.58	\$25,161.79	\$25,895.97	\$32,585.12	\$74,417.48
Avoided Electric Production Adders	\$0.00	\$6,563.75	\$8,806.63	\$9,063.59	\$11,404.79	\$26,046.12
Avoided Electric Capacity	\$2,493.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83
Avoided Ancillary	\$81.59	\$80.12	\$81.59	\$81.59	\$81.59	\$83.68
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	\$27,923.61	\$27,200.30	\$35,852.84	\$36,843.98	\$45,874.34	\$102,350.11
Administration Costs	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54
Implementation / Participation Costs	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97
Total	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$32,109.83	\$25,574.56	\$34,313.53	\$35,314.75	\$44,436.86	\$101,484.31
Avoided Electric Production Adders	\$0.00	\$8,951.10	\$12,009.74	\$12,360.16	\$15,552.90	\$35,519.51
Avoided Electric Capacity	\$3,393.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47
Avoided Ancillary	\$106.67	\$104.76	\$106.67	\$106.67	\$106.67	\$109.41
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$38,016.72	\$37,036.89	\$48,836.41	\$50,188.05	\$62,502.89	\$139,519.69
Administration Costs	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54
Implementation / Participation Costs	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$23,545.84	\$18,753.58	\$25,161.79	\$25,895.97	\$32,585.12	\$74,417.48
Avoided Electric Production Adders	\$0.00	\$6,563.75	\$8,806.63	\$9,063.59	\$11,404.79	\$26,046.12
Avoided Electric Capacity	\$2,493.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83	\$1,802.83
Avoided Ancillary	\$81.59	\$80.12	\$81.59	\$81.59	\$81.59	\$83.68
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	\$27,923.61	\$27,200.30	\$35,852.84	\$36,843.98	\$45,874.34	\$102,350.11
Administration Costs	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54
Implementation / Participation Costs	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97
Total	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87	\$5,960.87
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$47,413.14	\$46,562.91	\$47,413.14	\$47,413.14	\$47,413.14	\$48,633.89
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$47,413.14	\$46,562.91	\$47,413.14	\$47,413.14	\$47,413.14	\$48,633.89
Net Fuel Lost Revenue (Electric)	\$38,662.21	\$37,968.74	\$38,662.21	\$38,662.21	\$38,662.21	\$39,658.22
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$38,662.21	\$37,968.74	\$38,662.21	\$38,662.21	\$38,662.21	\$39,658.22

Parts	kWh	Summer kW	Winter kW	
10	46,536.23	1,713	0,000	Generator
	42,980.86	1,582	0,000	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$255.54	\$850.35	\$0.00	\$4,854.97	\$5,960.87	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$32,109.83	\$25,574.56	\$34,313.53	\$35,314.75	\$44,436.86	\$101,484.31
Avoided Electric Production Adders	\$0.00	\$8,951.10	\$12,009.74	\$12,360.16	\$15,552.90	\$35,519.51
Avoided Electric Capacity	\$3,393.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47	\$2,406.47
Avoided Ancillary	\$106.67	\$104.76	\$106.67	\$106.67	\$106.67	\$109.41
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$38,016.72	\$37,036.89	\$48,836.41	\$50,188.05	\$62,502.89	\$139,519.69
Administration Costs	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54	\$255.54
Implementation / Participation Costs	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35	\$850.35
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90	\$1,105.90
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97	\$4,854.97
Participant Costs (gross)	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00	\$200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$52,401.03	\$51,461.36	\$52,401.03	\$52,401.03	\$52,401.03	\$53,750.21
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$52,401.03	\$51,461.36	\$52,401.03	\$52,401.03	\$52,401.03	\$53,750.21

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=RES-D-EEP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	15.03	10.30	11.66	11.79	13.29	21.91
TRC Test	10.32	6.98	7.90	7.99	8.99	14.81
RIM Test	1.68	1.17	1.31	1.32	1.49	2.41
RIM (Net Fuel)	2.01	1.40	1.56	1.58	1.78	2.88
Societal Test	10.32	6.98	7.90	7.99	8.99	14.81
Participant Test	6.11	6.00	6.11	6.11	6.11	6.24

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$182.76	100.00%
Total Cost / kWh Savings	\$0.0106	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based /	0	
Allocated Costs / kW Savings	\$102.01	55.81%
Allocated Costs / kWh Savings	\$0.0047	44.19%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$29,857.05	\$448,619.99	\$418,762.94	15.03	Utility (PAC) Test
\$61,262.08	\$632,410.89	\$571,148.82	10.32	TRC Test
\$266,259.05	\$448,619.99	\$182,360.94	1.68	RIM Test
\$222,718.02	\$448,619.99	\$225,901.96		RIM (Net Fuel)
\$61,262.08	\$632,410.89	\$571,148.82	10.32	Societal Test
\$45,000.00	\$274,821.28	\$229,821.28	6.11	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$117,849.41	\$92,989.08	\$123,068.46	\$126,012.23	\$159,101.38	\$349,755.42
Avoided Electric Production Adders	\$0.00	\$32,546.18	\$43,073.96	\$44,104.28	\$55,685.48	\$122,414.40
Avoided Electric Capacity	\$148,862.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33
Avoided Ancillary	\$405.94	\$398.77	\$405.94	\$405.94	\$405.94	\$414.91
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	\$448,619.99	\$307,436.36	\$348,050.69	\$352,024.77	\$396,695.14	\$654,087.05
Administration Costs	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37
Implementation / Participation Costs	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97
Total	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$162,886.76	\$128,528.05	\$170,165.99	\$174,251.47	\$219,994.93	\$483,937.86
Avoided Electric Production Adders	\$0.00	\$44,984.82	\$59,558.10	\$60,988.02	\$76,998.23	\$169,378.25
Avoided Electric Capacity	\$215,521.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31
Avoided Ancillary	\$536.31	\$526.81	\$536.31	\$536.31	\$536.31	\$548.20
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$632,410.89	\$427,505.98	\$483,726.71	\$489,242.12	\$550,995.79	\$907,330.62
Administration Costs	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37
Implementation / Participation Costs	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$117,849.41	\$92,989.08	\$123,068.46	\$126,012.23	\$159,101.38	\$349,755.42
Avoided Electric Production Adders	\$0.00	\$32,546.18	\$43,073.96	\$44,104.28	\$55,685.48	\$122,414.40
Avoided Electric Capacity	\$148,862.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33	\$181,502.33
Avoided Ancillary	\$405.94	\$398.77	\$405.94	\$405.94	\$405.94	\$414.91
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	\$448,619.99	\$307,436.36	\$348,050.69	\$352,024.77	\$396,695.14	\$654,087.05
Administration Costs	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37
Implementation / Participation Costs	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97
Total	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05	\$29,857.05
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$236,402.00	\$232,220.26	\$236,402.00	\$236,402.00	\$236,402.00	\$241,631.56
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$236,402.00	\$232,220.26	\$236,402.00	\$236,402.00	\$236,402.00	\$241,631.56
Net Fuel Lost Revenue (Electric)	\$192,860.97	\$189,447.86	\$192,860.97	\$192,860.97	\$192,860.97	\$197,128.08
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$192,860.97	\$189,447.86	\$192,860.97	\$192,860.97	\$192,860.97	\$197,128.08

Parts	kWh	Summer kW	Winter kW	
142	227,221.58	89,289	74,076	Generator
	209,861.85	82,467	68,417	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$9,450.37	\$6,811.71	\$0.00	\$13,594.97	\$29,857.05	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$162,886.76	\$128,528.05	\$170,165.99	\$174,251.47	\$219,994.93	\$483,937.86
Avoided Electric Production Adders	\$0.00	\$44,984.82	\$59,558.10	\$60,988.02	\$76,998.23	\$169,378.25
Avoided Electric Capacity	\$215,521.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31	\$253,466.31
Avoided Ancillary	\$536.31	\$526.81	\$536.31	\$536.31	\$536.31	\$548.20
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$632,410.89	\$427,505.98	\$483,726.71	\$489,242.12	\$550,995.79	\$907,330.62
Administration Costs	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37	\$9,450.37
Implementation / Participation Costs	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71	\$6,811.71
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08	\$16,262.08
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
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						
Incentives	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97	\$13,594.97
Participant Costs (gross)	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$261,226.31	\$256,605.75	\$261,226.31	\$261,226.31	\$261,226.31	\$267,004.77
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$261,226.31	\$256,605.75	\$261,226.31	\$261,226.31	\$261,226.31	\$267,004.77

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	17.83	17.58	19.87	20.13	22.90	38.11
TRC Test	5.50	5.43	6.14	6.22	7.09	11.84
RIM Test	1.26	1.25	1.40	1.42	1.62	2.66
RIM (Net Fuel)	1.54	1.53	1.71	1.73	1.97	3.24
Societal Test	5.50	5.43	6.14	6.22	7.09	11.84
Participant Test	3.81	3.77	3.81	3.81	3.81	3.86

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$101.08	100.00%
Total Cost / kWh Savings	\$0.0062	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based /	0	
Allocated Costs / kW Savings	\$9.09	8.99%
Allocated Costs / kWh Savings	\$0.0056	91.01%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$1,586.27	\$28,280.04	\$26,693.77	17.83	Utility (PAC) Test
\$6,926.27	\$38,107.28	\$31,181.01	5.50	TRC Test
\$22,453.51	\$28,280.04	\$5,826.52	1.26	RIM Test
\$18,420.49	\$28,280.04	\$9,859.54		RIM (Net Fuel)
\$6,926.27	\$38,107.28	\$31,181.01	5.50	Societal Test
\$6,300.00	\$24,022.50	\$17,722.50	3.81	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$11,413.84	\$9,003.17	\$11,690.52	\$11,999.33	\$15,252.82	\$33,123.88
Avoided Electric Production Adders	\$0.00	\$3,151.11	\$4,091.68	\$4,199.77	\$5,338.49	\$11,593.36
Avoided Electric Capacity	\$1,128.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58
Avoided Ancillary	\$37.60	\$37.20	\$37.60	\$37.60	\$37.60	\$38.10
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	\$28,280.04	\$27,892.06	\$31,520.39	\$31,937.28	\$36,329.49	\$60,455.93
Administration Costs	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41
Implementation / Participation Costs	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00
Total	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$15,565.23	\$12,277.76	\$15,942.55	\$16,363.68	\$20,800.52	\$45,171.57
Avoided Electric Production Adders	\$0.00	\$4,297.22	\$5,579.89	\$5,727.29	\$7,280.18	\$15,810.05
Avoided Electric Capacity	\$1,535.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53
Avoided Ancillary	\$49.16	\$48.64	\$49.16	\$49.16	\$49.16	\$49.81
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	\$38,107.28	\$37,581.15	\$42,529.13	\$43,097.66	\$49,087.38	\$81,988.96
Administration Costs	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41
Implementation / Participation Costs	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$626.27	\$626.27	\$626.27	\$626.27	\$626.27	\$626.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$11,413.84	\$9,003.17	\$11,690.52	\$11,999.33	\$15,252.82	\$33,123.88
Avoided Electric Production Adders	\$0.00	\$3,151.11	\$4,091.68	\$4,199.77	\$5,338.49	\$11,593.36
Avoided Electric Capacity	\$1,128.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58	\$15,700.58
Avoided Ancillary	\$37.60	\$37.20	\$37.60	\$37.60	\$37.60	\$38.10
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	\$28,280.04	\$27,892.06	\$31,520.39	\$31,937.28	\$36,329.49	\$60,455.93
Administration Costs	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41
Implementation / Participation Costs	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00
Total	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27	\$1,586.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$20,867.25	\$20,642.87	\$20,867.25	\$20,867.25	\$20,867.25	\$21,139.37
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$20,867.25	\$20,642.87	\$20,867.25	\$20,867.25	\$20,867.25	\$21,139.37
Net Fuel Lost Revenue (Electric)	\$16,834.23	\$16,652.69	\$16,834.23	\$16,834.23	\$16,834.23	\$17,052.99
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$16,834.23	\$16,652.69	\$16,834.23	\$16,834.23	\$16,834.23	\$17,052.99

Parts	kWh	Summer kW	Winter kW	
3	21,447.05	0.775	14.919	Generator
	19,808.50	0.716	13.779	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$132.41	\$493.85	\$0.00	\$960.00	\$1,586.27	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$15,565.23	\$12,277.76	\$15,942.55	\$16,363.68	\$20,800.52	\$45,171.57
Avoided Electric Production Adders	\$0.00	\$4,297.22	\$5,579.89	\$5,727.29	\$7,280.18	\$15,810.05
Avoided Electric Capacity	\$1,535.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53	\$20,957.53
Avoided Ancillary	\$49.16	\$48.64	\$49.16	\$49.16	\$49.16	\$49.81
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	\$38,107.28	\$37,581.15	\$42,529.13	\$43,097.66	\$49,087.38	\$81,988.96
Administration Costs	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41	\$132.41
Implementation / Participation Costs	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85	\$493.85
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$626.27	\$626.27	\$626.27	\$626.27	\$626.27	\$626.27
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00
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						
Incentives	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00
Participant Costs (gross)	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00	\$6,300.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$23,062.50	\$22,814.51	\$23,062.50	\$23,062.50	\$23,062.50	\$23,363.24
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$23,062.50	\$22,814.51	\$23,062.50	\$23,062.50	\$23,062.50	\$23,363.24

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=GRT.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	13.48	10.37	12.04	12.18	14.27	24.62
TRC Test	1.64	1.26	1.47	1.49	1.75	3.03
RIM Test	2.34	1.84	2.09	2.12	2.48	4.17
RIM (Net Fuel)	3.53	2.76	3.16	3.19	3.74	6.32
Societal Test	1.64	1.26	1.47	1.49	1.75	3.03
Participant Test	0.47	0.47	0.47	0.47	0.47	0.49

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$228.82	100.00%
Total Cost / kWh Savings	\$0.0062	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$80.79	35.31%
Allocated Costs / kWh Savings	\$0.0040	64.69%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$30,921.30	\$416,767.78	\$385,846.48	13.48	Utility (PAC) Test
\$415,699.40	\$680,525.51	\$264,826.11	1.64	TRC Test
\$177,904.40	\$416,767.78	\$238,863.38	2.34	RIM Test
\$117,936.64	\$416,767.78	\$298,831.14		RIM (Net Fuel)
\$415,699.40	\$680,525.51	\$264,826.11	1.64	Societal Test
\$410,498.10	\$194,708.52	(\$215,789.58)	0.47	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$176,729.35	\$131,272.96	\$169,418.12	\$172,517.81	\$220,468.02	\$457,473.38
Avoided Electric Production Adders	\$0.00	\$45,945.53	\$59,296.34	\$60,381.23	\$77,163.81	\$160,115.68
Avoided Electric Capacity	\$96,444.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44
Avoided Ancillary	\$559.09	\$545.76	\$559.09	\$559.09	\$559.09	\$577.56
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$416,767.78	\$320,798.69	\$372,307.99	\$376,492.57	\$441,225.35	\$761,201.05
Administration Costs	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35
Implementation / Participation Costs	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00
Total	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$294,902.79	\$219,073.72	\$282,738.38	\$287,919.86	\$367,940.19	\$763,598.65
Avoided Electric Production Adders	\$0.00	\$76,675.80	\$98,958.43	\$100,771.95	\$128,779.07	\$267,259.53
Avoided Electric Capacity	\$155,541.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07
Avoided Ancillary	\$856.96	\$836.53	\$856.96	\$856.96	\$856.96	\$885.26
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$680,525.51	\$525,810.13	\$611,777.84	\$618,772.84	\$726,800.28	\$1,260,967.52
Administration Costs	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35
Implementation / Participation Costs	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$176,729.35	\$131,272.96	\$169,418.12	\$172,517.81	\$220,468.02	\$457,473.38
Avoided Electric Production Adders	\$0.00	\$45,945.53	\$59,296.34	\$60,381.23	\$77,163.81	\$160,115.68
Avoided Electric Capacity	\$96,444.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44	\$143,034.44
Avoided Ancillary	\$559.09	\$545.76	\$559.09	\$559.09	\$559.09	\$577.56
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$416,767.78	\$320,798.69	\$372,307.99	\$376,492.57	\$441,225.35	\$761,201.05
Administration Costs	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35
Implementation / Participation Costs	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00
Total	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30	\$30,921.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$146,983.10	\$143,747.56	\$146,983.10	\$146,983.10	\$146,983.10	\$151,440.20
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$146,983.10	\$143,747.56	\$146,983.10	\$146,983.10	\$146,983.10	\$151,440.20
Net Fuel Lost Revenue (Electric)	\$87,015.34	\$85,209.19	\$87,015.34	\$87,015.34	\$87,015.34	\$89,491.58
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$87,015.34	\$85,209.19	\$87,015.34	\$87,015.34	\$87,015.34	\$89,491.58

Parts	kWh	Summer kW	Winter kW	
3	247,504.90	50.134	85.000	Generator
	228,595.53	46.303	78.506	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$1,391.35	\$3,809.95	\$0.00	\$25,720.00	\$30,921.30	

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=GRT.xlsx

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$294,902.79	\$219,073.72	\$282,738.38	\$287,919.86	\$367,940.19	\$763,598.65
Avoided Electric Production Adders	\$0.00	\$76,675.80	\$98,958.43	\$100,771.95	\$128,779.07	\$267,259.53
Avoided Electric Capacity	\$155,541.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07	\$229,224.07
Avoided Ancillary	\$856.96	\$836.53	\$856.96	\$856.96	\$856.96	\$885.26
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$680,525.51	\$525,810.13	\$611,777.84	\$618,772.84	\$726,800.28	\$1,260,967.52
Administration Costs	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35	\$1,391.35
Implementation / Participation Costs	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95	\$3,809.95
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30	\$5,201.30
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10
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						
Incentives	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00	\$25,720.00
Participant Costs (gross)	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10	\$410,498.10
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$168,988.52	\$165,268.93	\$168,988.52	\$168,988.52	\$168,988.52	\$174,112.38
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$168,988.52	\$165,268.93	\$168,988.52	\$168,988.52	\$168,988.52	\$174,112.38

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=DRP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.05	6.85	8.37	8.56	10.41	20.63
TRC Test	3.78	2.87	3.51	3.59	4.37	8.68
RIM Test	1.05	0.80	0.97	0.99	1.21	2.38
RIM (Net Fuel)	1.31	1.00	1.22	1.24	1.51	2.98
Societal Test	3.78	2.87	3.51	3.59	4.37	8.68
Participant Test	2.87	2.86	2.87	2.87	2.87	2.88

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$703.63	100.00%
Total Cost / kWh Savings	\$0.0081	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based /	0	
Allocated Costs / kW Savings	\$230.92	32.82%
Allocated Costs / kWh Savings	\$0.0054	67.18%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$47,399.41	\$428,854.75	\$381,455.34	9.05	Utility (PAC) Test
\$165,658.41	\$626,341.65	\$460,683.24	3.78	TRC Test
\$409,391.84	\$428,854.75	\$19,462.92	1.05	RIM Test
\$326,339.58	\$428,854.75	\$102,515.17		RIM (Net Fuel)
\$165,658.41	\$626,341.65	\$460,683.24	3.78	Societal Test
\$150,474.00	\$431,865.38	\$281,391.38	2.87	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$231,948.43	\$178,478.54	\$232,101.22	\$238,668.28	\$303,597.69	\$662,558.14
Avoided Electric Production Adders	\$0.00	\$62,467.49	\$81,235.43	\$83,533.90	\$106,259.19	\$231,895.35
Avoided Electric Capacity	\$113,307.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02
Avoided Ancillary	\$774.31	\$769.72	\$774.31	\$774.31	\$774.31	\$779.19
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	\$428,854.75	\$324,539.77	\$396,934.97	\$405,800.51	\$493,455.21	\$978,056.69
Administration Costs	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44
Implementation / Participation Costs	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00
Total	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$341,594.77	\$262,848.67	\$341,819.78	\$351,491.22	\$447,113.96	\$975,761.69
Avoided Electric Production Adders	\$0.00	\$91,997.03	\$119,636.92	\$123,021.93	\$156,489.89	\$341,516.59
Avoided Electric Capacity	\$164,641.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94
Avoided Ancillary	\$1,078.22	\$1,071.82	\$1,078.22	\$1,078.22	\$1,078.22	\$1,085.01
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	\$626,341.65	\$474,944.47	\$581,561.86	\$594,618.31	\$723,709.00	\$1,437,390.23
Administration Costs	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44
Implementation / Participation Costs	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$231,948.43	\$178,478.54	\$232,101.22	\$238,668.28	\$303,597.69	\$662,558.14
Avoided Electric Production Adders	\$0.00	\$62,467.49	\$81,235.43	\$83,533.90	\$106,259.19	\$231,895.35
Avoided Electric Capacity	\$113,307.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02	\$82,824.02
Avoided Ancillary	\$774.31	\$769.72	\$774.31	\$774.31	\$774.31	\$779.19
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	\$428,854.75	\$324,539.77	\$396,934.97	\$405,800.51	\$493,455.21	\$978,056.69
Administration Costs	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44
Implementation / Participation Costs	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00
Total	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41	\$47,399.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$361,992.43	\$360,168.20	\$361,992.43	\$361,992.43	\$361,992.43	\$363,942.01
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$361,992.43	\$360,168.20	\$361,992.43	\$361,992.43	\$361,992.43	\$363,942.01
Net Fuel Lost Revenue (Electric)	\$278,940.17	\$277,608.41	\$278,940.17	\$278,940.17	\$278,940.17	\$280,366.58
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$278,940.17	\$277,608.41	\$278,940.17	\$278,940.17	\$278,940.17	\$280,366.58

Parts	kWh	Summer kW	Winter kW	
37	390,626.73	67,364	0,000	Generator
	360,782.85	62,217	0,000	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$6,931.44	\$8,252.97	\$0.00	\$32,215.00	\$47,399.41	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$341,594.77	\$262,848.67	\$341,819.78	\$351,491.22	\$447,113.96	\$975,761.69
Avoided Electric Production Adders	\$0.00	\$91,997.03	\$119,636.92	\$123,021.93	\$156,489.89	\$341,516.59
Avoided Electric Capacity	\$164,641.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94	\$119,026.94
Avoided Ancillary	\$1,078.22	\$1,071.82	\$1,078.22	\$1,078.22	\$1,078.22	\$1,085.01
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	\$626,341.65	\$474,944.47	\$581,561.86	\$594,618.31	\$723,709.00	\$1,437,390.23
Administration Costs	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44	\$6,931.44
Implementation / Participation Costs	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97	\$8,252.97
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41	\$15,184.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00
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						
Incentives	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00	\$32,215.00
Participant Costs (gross)	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00	\$150,474.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$399,650.38	\$397,636.39	\$399,650.38	\$399,650.38	\$399,650.38	\$401,802.78
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$399,650.38	\$397,636.39	\$399,650.38	\$399,650.38	\$399,650.38	\$401,802.78

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=GSPH.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	14.55	14.24	16.57	16.84	19.66	35.14
TRC Test	2.96	2.90	3.38	3.44	4.02	7.20
RIM Test	1.04	1.03	1.18	1.20	1.40	2.47
RIM (Net Fuel)	1.26	1.24	1.43	1.45	1.70	3.00
Societal Test	2.96	2.90	3.38	3.44	4.02	7.20
Participant Test	2.17	2.15	2.17	2.17	2.17	2.20

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$175.94	100.00%
Total Cost / kWh Savings	\$0.0058	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$16.85	9.58%
Allocated Costs / kWh Savings	\$0.0052	90.42%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/ Cost Ratio	
\$41,477.64	\$603,297.87	\$561,820.23	14.55	Utility (PAC) Test
\$296,627.64	\$878,294.23	\$581,666.59	2.96	TRC Test
\$582,111.73	\$603,297.87	\$21,186.14	1.04	RIM Test
\$480,122.54	\$603,297.87	\$123,175.33		RIM (Net Fuel)
\$296,627.64	\$878,294.23	\$581,666.59	2.96	Societal Test
\$291,200.00	\$632,926.08	\$341,726.08	2.17	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$303,836.95	\$239,664.77	\$311,202.32	\$319,422.84	\$406,030.86	\$881,759.47
Avoided Electric Production Adders	\$0.00	\$83,882.67	\$108,920.81	\$111,797.99	\$142,110.80	\$308,615.82
Avoided Electric Capacity	\$32,189.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26
Avoided Ancillary	\$950.86	\$940.76	\$950.86	\$950.86	\$950.86	\$963.44
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	\$603,297.87	\$590,808.45	\$687,394.24	\$698,491.95	\$815,412.78	\$1,457,658.98
Administration Costs	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58
Implementation / Participation Costs	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00
Total	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$447,466.33	\$352,958.76	\$458,313.44	\$470,419.96	\$597,969.21	\$1,298,583.57
Avoided Electric Production Adders	\$0.00	\$123,535.57	\$160,409.70	\$164,646.99	\$209,289.22	\$454,504.25
Avoided Electric Capacity	\$46,773.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57
Avoided Ancillary	\$1,324.06	\$1,310.00	\$1,324.06	\$1,324.06	\$1,324.06	\$1,341.58
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	\$878,294.23	\$860,534.90	\$1,002,777.78	\$1,019,121.58	\$1,191,313.07	\$2,137,159.98
Administration Costs	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58
Implementation / Participation Costs	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00
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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$303,836.95	\$239,664.77	\$311,202.32	\$319,422.84	\$406,030.86	\$881,759.47
Avoided Electric Production Adders	\$0.00	\$83,882.67	\$108,920.81	\$111,797.99	\$142,110.80	\$308,615.82
Avoided Electric Capacity	\$32,189.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26	\$266,320.26
Avoided Ancillary	\$950.86	\$940.76	\$950.86	\$950.86	\$950.86	\$963.44
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	\$603,297.87	\$590,808.45	\$687,394.24	\$698,491.95	\$815,412.78	\$1,457,658.98
Administration Costs	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58
Implementation / Participation Costs	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00
Total	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64	\$41,477.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$540,634.09	\$534,872.60	\$540,634.09	\$540,634.09	\$540,634.09	\$547,621.32
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$540,634.09	\$534,872.60	\$540,634.09	\$540,634.09	\$540,634.09	\$547,621.32
Net Fuel Lost Revenue (Electric)	\$438,644.90	\$433,966.90	\$438,644.90	\$438,644.90	\$438,644.90	\$444,282.89
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$438,644.90	\$433,966.90	\$438,644.90	\$438,644.90	\$438,644.90	\$444,282.89

Parts	kWh	Summer kW	Winter kW	
26	479,694.44	19.137	216.608	Generator
	443,045.79	17.675	200.059	Meter

Administration				
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs
\$1,147.58	\$4,280.06	\$0.00	\$36,050.00	\$41,477.64

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$447,466.33	\$352,958.76	\$458,313.44	\$470,419.96	\$597,969.21	\$1,298,583.57
Avoided Electric Production Adders	\$0.00	\$123,535.57	\$160,409.70	\$164,646.99	\$209,289.22	\$454,504.25
Avoided Electric Capacity	\$46,773.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57	\$382,730.57
Avoided Ancillary	\$1,324.06	\$1,310.00	\$1,324.06	\$1,324.06	\$1,324.06	\$1,341.58
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	\$878,294.23	\$860,534.90	\$1,002,777.78	\$1,019,121.58	\$1,191,313.07	\$2,137,159.98
Administration Costs	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58	\$1,147.58
Implementation / Participation Costs	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06	\$4,280.06
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64	\$5,427.64
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00
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
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Test						
Incentives	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00	\$36,050.00
Participant Costs (gross)	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00	\$291,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$596,876.08	\$590,515.23	\$596,876.08	\$596,876.08	\$596,876.08	\$604,590.20
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$596,876.08	\$590,515.23	\$596,876.08	\$596,876.08	\$596,876.08	\$604,590.20

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Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	9.71	6.64	7.93	8.08	9.64	18.26
TRC Test	46.73	31.89	38.12	38.88	46.43	88.15
RIM Test	1.18	0.81	0.96	0.98	1.17	2.21
RIM (Net Fuel)	1.46	1.00	1.19	1.21	1.45	2.73
Societal Test	46.73	31.89	38.12	38.88	46.43	88.15
Participant Test	103.06	102.62	103.06	103.06	103.06	103.52

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$450.15	100.00%
Total Cost / kWh Savings	\$0.0101	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$197.77	43.94%
Allocated Costs / kWh Savings	\$0.0056	56.06%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$178,664.05	\$1,735,127.89	\$1,556,463.84	9.71	Utility (PAC) Test
\$50,341.01	\$2,352,506.56	\$2,302,165.54	46.73	TRC Test
\$1,468,761.00	\$1,735,127.89	\$266,366.89	1.18	RIM Test
\$1,190,912.55	\$1,735,127.89	\$544,215.35		RIM (Net Fuel)
\$50,341.01	\$2,352,506.56	\$2,302,165.54	46.73	Societal Test
\$15,228.00	\$1,569,367.00	\$1,554,139.00	103.06	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$737,161.45	\$567,227.39	\$737,647.03	\$758,517.99	\$964,871.85	\$2,105,693.57
Avoided Electric Production Adders	\$0.00	\$198,529.59	\$258,176.46	\$265,481.30	\$337,705.15	\$736,992.75
Avoided Electric Capacity	\$577,680.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11
Avoided Ancillary	\$2,590.42	\$2,575.06	\$2,590.42	\$2,590.42	\$2,590.42	\$2,606.74
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
Total	\$1,735,127.89	\$1,186,027.15	\$1,416,109.02	\$1,444,284.83	\$1,722,862.53	\$3,262,988.17
Administration Costs	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64
Implementation / Participation Costs	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04
Total	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$1,005,278.88	\$773,537.08	\$1,005,941.07	\$1,034,403.15	\$1,315,811.20	\$2,871,568.07
Avoided Electric Production Adders	\$0.00	\$270,737.98	\$352,079.38	\$362,041.10	\$460,533.92	\$1,005,048.82
Avoided Electric Capacity	\$786,291.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75
Avoided Ancillary	\$3,386.77	\$3,366.68	\$3,386.77	\$3,386.77	\$3,386.77	\$3,408.10
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,352,506.56	\$1,605,191.49	\$1,918,956.97	\$1,957,380.77	\$2,337,281.64	\$4,437,574.75
Administration Costs	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64
Implementation / Participation Costs	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$737,161.45	\$567,227.39	\$737,647.03	\$758,517.99	\$964,871.85	\$2,105,693.57
Avoided Electric Production Adders	\$0.00	\$198,529.59	\$258,176.46	\$265,481.30	\$337,705.15	\$736,992.75
Avoided Electric Capacity	\$577,680.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11	\$417,695.11
Avoided Ancillary	\$2,590.42	\$2,575.06	\$2,590.42	\$2,590.42	\$2,590.42	\$2,606.74
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
Total	\$1,735,127.89	\$1,186,027.15	\$1,416,109.02	\$1,444,284.83	\$1,722,862.53	\$3,262,988.17
Administration Costs	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64
Implementation / Participation Costs	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04
Total	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05	\$178,664.05
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$1,290,096.95	\$1,284,086.47	\$1,290,096.95	\$1,290,096.95	\$1,290,096.95	\$1,296,520.45
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,290,096.95	\$1,284,086.47	\$1,290,096.95	\$1,290,096.95	\$1,290,096.95	\$1,296,520.45
Net Fuel Lost Revenue (Electric)	\$1,012,248.49	\$1,007,885.53	\$1,012,248.49	\$1,012,248.49	\$1,012,248.49	\$1,016,921.76
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,012,248.49	\$1,007,885.53	\$1,012,248.49	\$1,012,248.49	\$1,012,248.49	\$1,016,921.76

Parts	kWh	Summer kW	Winter kW	
77	1,477,559.51	396.899	0.000	Generator
	1,364,673.97	366.576	0.000	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$8,113.64	\$26,999.38	\$0.00	\$143,551.04	\$178,664.05	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$1,005,278.88	\$773,537.08	\$1,005,941.07	\$1,034,403.15	\$1,315,811.20	\$2,871,568.07
Avoided Electric Production Adders	\$0.00	\$270,737.98	\$352,079.38	\$362,041.10	\$460,533.92	\$1,005,048.82
Avoided Electric Capacity	\$786,291.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75	\$557,549.75
Avoided Ancillary	\$3,386.77	\$3,386.68	\$3,386.77	\$3,386.77	\$3,386.77	\$3,408.10
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,352,506.56	\$1,605,191.49	\$1,918,956.97	\$1,957,380.77	\$2,337,281.64	\$4,437,574.75
Administration Costs	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64	\$8,113.64
Implementation / Participation Costs	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38	\$26,999.38
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01	\$35,113.01
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00
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						
Incentives	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04	\$143,551.04
Participant Costs (gross)	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00	\$15,228.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,425,815.96	\$1,419,173.18	\$1,425,815.96	\$1,425,815.96	\$1,425,815.96	\$1,432,915.22
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,425,815.96	\$1,419,173.18	\$1,425,815.96	\$1,425,815.96	\$1,425,815.96	\$1,432,915.22

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=COMM-EEP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	10.71	8.17	9.68	9.86	11.70	21.73
TRC Test	4.89	3.75	4.45	4.53	5.38	10.00
RIM Test	1.21	0.93	1.09	1.11	1.32	2.43
RIM (Net Fuel)	1.51	1.15	1.36	1.39	1.64	3.04
Societal Test	4.89	3.75	4.45	4.53	5.38	10.00
Participant Test	3.27	3.24	3.27	3.27	3.27	3.29

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$352.65	100.00%
Total Cost / kWh Savings	\$0.0083	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$126.84	35.97%
Allocated Costs / kWh Savings	\$0.0053	64.03%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$300,048.67	\$3,212,328.34	\$2,912,279.66	10.71	Utility (PAC) Test
\$935,252.73	\$4,575,775.23	\$3,640,522.49	4.89	TRC Test
\$2,660,622.49	\$3,212,328.34	\$551,705.85	1.21	RIM Test
\$2,133,731.80	\$3,212,328.34	\$1,078,596.54		RIM (Net Fuel)
\$935,252.73	\$4,575,775.23	\$3,640,522.49	4.89	Societal Test
\$873,700.10	\$2,852,889.49	\$1,979,189.39	3.27	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$1,461,090.02	\$1,125,646.82	\$1,462,059.20	\$1,501,126.26	\$1,910,221.24	\$4,140,608.44
Avoided Electric Production Adders	\$0.00	\$393,976.39	\$511,720.72	\$525,394.19	\$668,577.43	\$1,449,212.95
Avoided Electric Capacity	\$820,751.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41
Avoided Ancillary	\$4,912.28	\$4,868.50	\$4,912.28	\$4,912.28	\$4,912.28	\$4,965.02
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,212,328.34	\$2,450,066.12	\$2,904,266.62	\$2,957,007.14	\$3,509,285.36	\$6,520,360.82
Administration Costs	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42
Implementation / Participation Costs	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04
Total	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$2,104,808.00	\$1,620,696.00	\$2,104,755.22	\$2,160,597.87	\$2,749,635.07	\$5,954,683.56
Avoided Electric Production Adders	\$0.00	\$567,243.60	\$736,664.33	\$756,209.25	\$962,372.27	\$2,084,139.25
Avoided Electric Capacity	\$1,154,783.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87
Avoided Ancillary	\$6,695.16	\$6,633.67	\$6,695.16	\$6,695.16	\$6,695.16	\$6,769.76
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,575,775.23	\$3,504,062.14	\$4,157,603.58	\$4,232,991.15	\$5,028,191.38	\$9,355,081.44
Administration Costs	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42
Implementation / Participation Costs	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$1,461,090.02	\$1,125,646.82	\$1,462,059.20	\$1,501,126.26	\$1,910,221.24	\$4,140,608.44
Avoided Electric Production Adders	\$0.00	\$393,976.39	\$511,720.72	\$525,394.19	\$668,577.43	\$1,449,212.95
Avoided Electric Capacity	\$820,751.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41	\$925,574.41
Avoided Ancillary	\$4,912.28	\$4,868.50	\$4,912.28	\$4,912.28	\$4,912.28	\$4,965.02
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,212,328.34	\$2,450,066.12	\$2,904,266.62	\$2,957,007.14	\$3,509,285.36	\$6,520,360.82
Administration Costs	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42
Implementation / Participation Costs	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04
Total	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67	\$300,048.67
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$2,360,573.82	\$2,343,517.70	\$2,360,573.82	\$2,360,573.82	\$2,360,573.82	\$2,380,663.35
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,360,573.82	\$2,343,517.70	\$2,360,573.82	\$2,360,573.82	\$2,360,573.82	\$2,380,663.35
Net Fuel Lost Revenue (Electric)	\$1,833,683.12	\$1,821,322.72	\$1,833,683.12	\$1,833,683.12	\$1,833,683.12	\$1,848,115.80
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,833,683.12	\$1,821,322.72	\$1,833,683.12	\$1,833,683.12	\$1,833,683.12	\$1,848,115.80

Parts	kWh	Summer kW	Winter kW	
146	2,616,832.64	534.309	316.527	Generator
	2,416,906.63	493.488	292.344	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$17,716.42	\$43,836.21	\$0.00	\$238,496.04	\$300,048.67	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$2,104,808.00	\$1,620,696.00	\$2,104,755.22	\$2,160,597.87	\$2,749,635.07	\$5,954,683.56
Avoided Electric Production Adders	\$0.00	\$567,243.60	\$736,664.33	\$756,209.25	\$962,372.27	\$2,084,139.25
Avoided Electric Capacity	\$1,154,783.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87	\$1,309,488.87
Avoided Ancillary	\$6,695.16	\$6,633.67	\$6,695.16	\$6,695.16	\$6,695.16	\$6,769.76
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,575,775.23	\$3,504,062.14	\$4,157,603.58	\$4,232,991.15	\$5,028,191.38	\$9,355,081.44
Administration Costs	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42	\$17,716.42
Implementation / Participation Costs	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21	\$43,836.21
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63	\$61,552.63
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10
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						
Incentives	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04	\$238,496.04
Participant Costs (gross)	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10	\$873,700.10
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,614,393.45	\$2,595,408.24	\$2,614,393.45	\$2,614,393.45	\$2,614,393.45	\$2,636,783.81
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,614,393.45	\$2,595,408.24	\$2,614,393.45	\$2,614,393.45	\$2,614,393.45	\$2,636,783.81

Docket No. EL17-022
Attachment 1 to IR SD-PUC-01-03

DSMore 2013 Aggregation Results - 2016 EEP Status Report - Sect=ALL - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	10.10	7.61	8.98	9.13	10.78	19.80
TRC Test	5.06	3.82	4.51	4.59	5.42	9.97
RIM Test	1.24	0.94	1.10	1.12	1.32	2.40
RIM (Net Fuel)	1.53	1.16	1.36	1.39	1.64	2.98
Societal Test	5.06	3.82	4.51	4.59	5.42	9.97
Participant Test	3.40	3.38	3.40	3.40	3.40	3.44

Cost of Conserved kWh, kW, and CCF		
100% Allocation	\$ / Savings	% Allocation
Total Costs / kW Savings	\$357.26	100.00%
Total Cost / kWh Savings	\$0.0093	100.00%
Total Costs / CCF Savings	\$0.00	100.00%
Allocated By Cost-Based / 0		
Allocated Costs / kW Savings	\$135.92	38.05%
Allocated Costs / kWh Savings	\$0.0058	61.95%
Allocated Costs / CCF Savings	\$0.00	0.00%

NET BENEFITS				
Total Costs	Total Benefits	Net Benefits	Benefit/Cost Ratio	
\$362,330.26	\$3,660,948.32	\$3,298,618.06	10.10	Utility (PAC) Test
\$1,028,939.35	\$5,208,186.12	\$4,179,246.77	5.06	TRC Test
\$2,959,306.08	\$3,660,948.32	\$701,642.25	1.24	RIM Test
\$2,388,874.36	\$3,660,948.32	\$1,272,073.96		RIM (Net Fuel)
\$1,028,939.35	\$5,208,186.12	\$4,179,246.77	5.06	Societal Test
\$918,700.10	\$3,127,710.77	\$2,209,010.67	3.40	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$1,578,939.43	\$1,218,635.91	\$1,585,127.66	\$1,627,138.49	\$2,069,322.62	\$4,490,363.85
Avoided Electric Production Adders	\$0.00	\$426,522.57	\$554,794.68	\$569,498.47	\$724,262.92	\$1,571,627.35
Avoided Electric Capacity	\$969,613.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74
Avoided Ancillary	\$5,318.22	\$5,267.28	\$5,318.22	\$5,318.22	\$5,318.22	\$5,379.93
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,660,948.32	\$2,757,502.49	\$3,252,317.31	\$3,309,031.92	\$3,905,980.50	\$7,174,447.87
Administration Costs	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43
Implementation / Participation Costs	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01
Total	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TRC Test						
Avoided Electric Production	\$2,267,694.76	\$1,749,224.04	\$2,274,921.21	\$2,334,849.34	\$2,969,630.00	\$6,438,621.41
Avoided Electric Production Adders	\$0.00	\$612,228.42	\$796,222.42	\$817,197.27	\$1,039,370.50	\$2,253,517.49
Avoided Electric Capacity	\$1,370,304.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18
Avoided Ancillary	\$7,231.48	\$7,160.48	\$7,231.48	\$7,231.48	\$7,231.48	\$7,317.96
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
Total	\$5,208,186.12	\$3,931,568.12	\$4,641,330.29	\$4,722,233.27	\$5,579,187.16	\$10,262,412.05
Administration Costs	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43
Implementation / Participation Costs	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
RIM Test						
Avoided Electric Production	\$1,578,939.43	\$1,218,635.91	\$1,585,127.66	\$1,627,138.49	\$2,069,322.62	\$4,490,363.85
Avoided Electric Production Adders	\$0.00	\$426,522.57	\$554,794.68	\$569,498.47	\$724,262.92	\$1,571,627.35
Avoided Electric Capacity	\$969,613.93	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74	\$1,107,076.74
Avoided Ancillary	\$5,318.22	\$5,267.28	\$5,318.22	\$5,318.22	\$5,318.22	\$5,379.93
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,660,948.32	\$2,757,502.49	\$3,252,317.31	\$3,309,031.92	\$3,905,980.50	\$7,174,447.87
Administration Costs	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43
Implementation / Participation Costs	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01
Total	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26	\$362,330.26
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$2,596,975.82	\$2,575,737.96	\$2,596,975.82	\$2,596,975.82	\$2,596,975.82	\$2,622,294.91
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,596,975.82	\$2,575,737.96	\$2,596,975.82	\$2,596,975.82	\$2,596,975.82	\$2,622,294.91
Net Fuel Lost Revenue (Electric)	\$2,026,544.10	\$2,010,770.58	\$2,026,544.10	\$2,026,544.10	\$2,026,544.10	\$2,045,243.88
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,026,544.10	\$2,010,770.58	\$2,026,544.10	\$2,026,544.10	\$2,026,544.10	\$2,045,243.88

Parts	kWh	Summer kW	Winter kW	
2,539	2,844,054.22	623.598	390.603	Generator
	2,626,768.48	575.955	360.761	Meter

Administration					
Costs	Implement. Costs	Other/Misc. Costs	Incentives	Total Costs	
\$49,065.43	\$61,173.82	\$0.00	\$252,091.01	\$362,330.26	

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$2,267,694.76	\$1,749,224.04	\$2,274,921.21	\$2,334,849.34	\$2,969,630.00	\$6,438,621.41
Avoided Electric Production Adders	\$0.00	\$612,228.42	\$796,222.42	\$817,197.27	\$1,039,370.50	\$2,253,517.49
Avoided Electric Capacity	\$1,370,304.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18	\$1,562,955.18
Avoided Ancillary	\$7,231.48	\$7,160.48	\$7,231.48	\$7,231.48	\$7,231.48	\$7,317.96
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
Total	\$5,208,186.12	\$3,931,568.12	\$4,641,330.29	\$4,722,233.27	\$5,579,187.16	\$10,262,412.05
Administration Costs	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43	\$49,065.43
Implementation / Participation Costs	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82	\$61,173.82
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25	\$110,239.25
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10
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						
Incentives	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01	\$252,091.01
Participant Costs (gross)	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10	\$918,700.10
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,875,619.76	\$2,852,013.99	\$2,875,619.76	\$2,875,619.76	\$2,875,619.76	\$2,903,788.58
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,875,619.76	\$2,852,013.99	\$2,875,619.76	\$2,875,619.76	\$2,875,619.76	\$2,903,788.58