

01 Aggregation Results - 2018 - Sect=RESD-EEP - Tech=ACC.xlsx

Cost / Benefit Tests For Normal Weather						
Test	Cost Based		Market-Based			
	Minimum	Today	Alternate		Option	Maximum
Utility (PAC) Test	3.982684286	2.306682554	2.336286164	2.338591406	2.331370733	2.528848031
TRC Test	3.982684286	2.306682554	2.336286164	2.338591406	2.331370733	2.528848031
RIM Test	3.523027503	2.049889055	2.066464647	2.069570239	2.062298346	2.230001238
RM (Net Fuel)	3.623488791	2.125578158	2.125578158	2.128565302	2.121168046	2.295158918
Societal Test	3.982684286	2.306682554	2.336286164	2.338591406	2.331370733	2.528848031
Participant Test	65535	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$30,2429	\$30,2429	100.00%
Total Costs / kWh Savings	\$0,7212	\$0,7212	100.00%
Total Costs / CCF Savings	\$0,0000	\$0,0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0,0000	\$0,0000	
Allocated Costs / kWh Savings	\$29,4369	\$29,4369	97.33%
Allocated Costs / CCF Savings	\$0,0000	\$0,0000	0.00%

NET BENEFITS					
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio		
\$55,757.58	\$14,000.00	\$41,757.58	3.98	Utility (PAC) Test	
\$55,757.58	\$14,000.00	\$41,757.58	3.98	TRC Test	
\$55,757.58	\$15,826.61	\$39,930.97	3.52	RIM Test	
\$55,757.58	\$15,387.82	\$40,369.76	3.62	RM (Net Fuel) Test	
\$55,757.58	\$14,000.00	\$41,757.58	3.98	Societal Test	
\$1,961.78	\$0.00	\$1,961.78	inf.	Participant Test	

Present Values (PVs) of Costs and Benefits Per Test						
Test	Cost Based		Market-Based			
	Minimum	Today	Alternate		Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$640.12	\$553.49	\$967.94	\$1,014.21	\$899.12	\$3,663.81
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$23,377.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$55,757.58	\$32,293.56	\$32,708.01	\$32,754.28	\$32,639.19	\$35,403.87
Administration Costs	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00
Implementation / Participation Costs	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	3.98	2.31	2.34	2.34	2.33	2.53
TRC Test						
Avoided Electric Production	\$640.12	\$553.49	\$967.94	\$1,014.21	\$899.12	\$3,663.81
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$23,377.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$55,757.58	\$32,293.56	\$32,708.01	\$32,754.28	\$32,639.19	\$35,403.87
Administration Costs	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00
Implementation / Participation Costs	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced 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 (gross)	\$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
Test Results	3.98	2.31	2.34	2.34	2.33	2.53
RIM Test						
Avoided Electric Production	\$640.12	\$553.49	\$967.94	\$1,014.21	\$899.12	\$3,663.81
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$23,377.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$55,757.58	\$32,293.56	\$32,708.01	\$32,754.28	\$32,639.19	\$35,403.87
Administration Costs	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00
Implementation / Participation Costs	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Revenue (Electric)	\$1,826.61	\$1,753.81	\$1,826.61	\$1,826.61	\$1,826.61	\$1,876.17
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,826.61	\$1,753.81	\$1,826.61	\$1,826.61	\$1,826.61	\$1,876.17
Net Fuel Lost Revenue (Electric)	\$1,387.82	\$1,332.50	\$1,387.82	\$1,387.82	\$1,387.82	\$1,425.47
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,387.82	\$1,332.50	\$1,387.82	\$1,387.82	\$1,387.82	\$1,425.47
Test Results	3.52	2.05	2.07	2.07	2.06	2.23
	3.62	2.11	2.13	2.13	2.12	2.30
Societal Test						
Avoided Electric Production	\$640.12	\$553.49	\$967.94	\$1,014.21	\$899.12	\$3,663.81
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$23,377.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07	\$31,740.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$55,757.58	\$32,293.56	\$32,708.01	\$32,754.28	\$32,639.19	\$35,403.87
Administration Costs	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00	\$3,375.00
Implementation / Participation Costs	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00	\$10,625.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
Reduced 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 (gross)	\$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
Test Results	3.98	2.31	2.34	2.34	2.33	2.53
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)	\$1,961.78	\$1,883.59	\$1,961.78	\$1,961.78	\$1,961.78	\$2,015.00
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,961.78	\$1,883.59	\$1,961.78	\$1,961.78	\$1,961.78	\$2,015.00
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Test	Cost Based		Market-Based			
	Minimum	Today	Alternate		Option	Maximum
Utility (PAC/UTC) Test						
Net Benefits	\$41,757.58	\$18,293.56	\$18,708.01	\$18,754.28	\$18,639.19	\$21,403.87
Levelized Cost (kW)	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429
Levelized Cost (kWh)	\$0,7212	\$0,7511	\$0,7212	\$0,7212	\$0,7212	\$0,7021
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
TRC Test						
Net Benefits	\$41,757.58	\$18,293.56	\$18,708.01	\$18,754.28	\$18,639.19	\$21,403.87
Levelized Cost (kW)	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429
Levelized Cost (kWh)	\$0,7212	\$0,7511	\$0,7212	\$0,7212	\$0,7212	\$0,7021
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
RIM Test						
Net Benefits	\$39,930.97	\$16,539.75	\$16,881.40	\$16,927.67	\$16,812.58	\$19,527.71
Net Benefits (Net Fuel)	\$40,369.76	\$16,961.05	\$17,320.19	\$17,366.46	\$17,251.37	\$19,978.40
Societal Test						
Net Benefits	\$41,757.58	\$18,293.56	\$18,708.01	\$18,754.28	\$18,639.19	\$21,403.87
Levelized Cost (kW)	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429	\$30,2429
Levelized Cost (kWh)	\$0,7212	\$0,7511	\$0,7212	\$0,7212	\$0,7212	\$0,7021
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
Participant Test						
Net Benefits	\$1,961.78	\$1,883.59	\$1,961.78	\$1,961.78	\$1,961.78	\$2,015.00

Participants	kWh	Summer kWh	Winter kWh	Generator
626	19,413	462,919	0,000	Meiler

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$3,375.00	\$10,625.00	\$0.00	\$0.00	\$14,000.00

Present Values (PVs) of Impacts						
Impact	Cost Based		Market-Based			
	Minimum	Today	Alternate		Option	Maximum
kWh (Discounted)	462.9187	462.9187	462.9187	462.9187	462.9187	462.9187
kWh (

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

Impacts and Savings (Losses Included)																		
Year	Per Participant						Cumulative						Yearly Incremental (Per Participant * Incremental Participants)					
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)
1	0.739	0.739	0.739	0.739	0.000	0.000	31.1	31.1	0	0	0	0	0	0	19,413	19,413	0	0
2	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
3	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
4	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
5	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
6	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
7	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
8	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
9	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
10	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
11	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
12	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
Totals	0.739	0.739	0.739	0.739	0.000	0.000	31.1	31.1	0	0	0	0	0	0	19,413	19,413	0	0

Lost Revenue Dollars (Losses Included)									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$2.92	\$0.00	\$2.92	\$1,826.61	\$0.00	\$1,826.61	\$1,387.82	\$0.00	\$1,387.82
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2.92	\$0.00	\$2.92	\$1,826.61	\$0.00	\$1,826.61	\$1,387.82	\$0.00	\$1,387.82

01 Aggregation Results - 2018 - Sect=RES-D-E-E-P - Tech=ACC.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kWh (net)	\$/kW	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$3,375.00	\$10,625.00	\$0.00	\$0.00	\$14,000.00	\$30.24	\$30.24	\$0.72	\$0.72	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$3,375.00	\$10,625.00	\$0.00	\$0.00	\$14,000.00	\$30.24	\$30.24	\$0.72	\$0.72	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address/Capacity	T&D	Auxiliary	Total	Total
1	\$899.12	\$0.00	\$31,740.07	\$0.00	\$32,639.19	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$899.12	\$0.00	\$31,740.07	\$0.00	\$32,639.19	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address/Capacity	T&D	Auxiliary	Total	Total
1	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Auxiliary	Total	Total
1	\$640.12	\$23,377.40	\$31,740.07	\$0.00	\$55,757.58	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$640.12	\$23,377.40	\$31,740.07	\$0.00	\$55,757.58	\$0.00

02 Aggregation Results - 2018 - Sect=RESDE-EEP - Tech=ASHP.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$7,500.00	\$0.00	\$12,500.00	\$0.00	\$20,000.00	\$705.94	\$705.94	\$0.07	\$0.07	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$7,500.00	\$0.00	\$12,500.00	\$0.00	\$20,000.00	\$705.94	\$705.94	\$0.07	\$0.07	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Adstra/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$12,920.79	\$0.00	\$2,029.43	\$0.00	\$14,950.22	\$0.00	\$0.00	\$0.00	
2	\$15,189.66	\$0.00	\$2,052.91	\$0.00	\$17,242.56	\$0.00	\$0.00	\$0.00	
3	\$15,390.69	\$0.00	\$2,038.33	\$0.00	\$17,434.03	\$0.00	\$0.00	\$0.00	
4	\$15,915.69	\$0.00	\$2,031.65	\$0.00	\$17,947.34	\$0.00	\$0.00	\$0.00	
5	\$16,712.32	\$0.00	\$2,007.61	\$0.00	\$18,719.93	\$0.00	\$0.00	\$0.00	
6	\$17,347.60	\$0.00	\$1,983.72	\$0.00	\$19,331.32	\$0.00	\$0.00	\$0.00	
7	\$17,794.65	\$0.00	\$1,960.83	\$0.00	\$19,755.48	\$0.00	\$0.00	\$0.00	
8	\$18,238.34	\$0.00	\$1,938.66	\$0.00	\$20,177.00	\$0.00	\$0.00	\$0.00	
9	\$18,396.32	\$0.00	\$1,916.36	\$0.00	\$20,312.69	\$0.00	\$0.00	\$0.00	
10	\$18,853.46	\$0.00	\$1,894.51	\$0.00	\$20,747.97	\$0.00	\$0.00	\$0.00	
11	\$19,085.39	\$0.00	\$1,872.81	\$0.00	\$20,958.20	\$0.00	\$0.00	\$0.00	
12	\$19,657.95	\$0.00	\$1,851.28	\$0.00	\$21,509.23	\$0.00	\$0.00	\$0.00	
13	\$20,247.69	\$0.00	\$1,830.20	\$0.00	\$22,077.89	\$0.00	\$0.00	\$0.00	
14	\$20,855.12	\$0.00	\$1,833.92	\$0.00	\$22,689.04	\$0.00	\$0.00	\$0.00	
15	\$21,480.77	\$0.00	\$1,837.75	\$0.00	\$23,318.52	\$0.00	\$0.00	\$0.00	
16	\$22,125.20	\$0.00	\$1,841.69	\$0.00	\$23,966.89	\$0.00	\$0.00	\$0.00	
17	\$22,788.95	\$0.00	\$1,845.75	\$0.00	\$24,634.70	\$0.00	\$0.00	\$0.00	
18	\$23,472.62	\$0.00	\$1,849.94	\$0.00	\$25,322.56	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$336,477.22	\$0.00	\$34,618.33	\$0.00	\$371,095.55	\$0.00	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out Losses Included) for Option Value									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Adstra/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
2	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
3	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
4	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
5	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
6	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
7	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
8	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
9	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
10	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
11	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
12	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
13	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
14	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
15	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
16	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
17	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
18	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
19	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
20	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
21	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
22	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
23	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
24	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
25	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	

Cost-Based Avoided Costs (Net Free Riders/Drop-Out Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$9,286.90	\$1,430.71	\$2,029.43	\$0.00	\$12,747.03	\$0.00	\$0.00	\$0.00	
2	\$10,917.66	\$1,501.39	\$2,052.91	\$0.00	\$14,471.96	\$0.00	\$0.00	\$0.00	
3	\$11,065.03	\$1,554.66	\$2,038.33	\$0.00	\$14,658.02	\$0.00	\$0.00	\$0.00	
4	\$11,439.50	\$1,563.86	\$2,031.65	\$0.00	\$15,035.01	\$0.00	\$0.00	\$0.00	
5	\$12,012.08	\$4,417.31	\$2,007.61	\$0.00	\$18,437.00	\$0.00	\$0.00	\$0.00	
6	\$12,468.70	\$4,417.31	\$1,983.72	\$0.00	\$18,869.72	\$0.00	\$0.00	\$0.00	
7	\$12,780.02	\$4,417.31	\$1,960.83	\$0.00	\$19,168.15	\$0.00	\$0.00	\$0.00	
8	\$13,108.92	\$4,417.31	\$1,938.66	\$0.00	\$19,464.89	\$0.00	\$0.00	\$0.00	
9	\$13,222.47	\$4,417.31	\$1,916.36	\$0.00	\$19,556.14	\$0.00	\$0.00	\$0.00	
10	\$13,551.04	\$4,417.31	\$1,894.51	\$0.00	\$19,862.86	\$0.00	\$0.00	\$0.00	
11	\$13,717.74	\$4,417.31	\$1,872.81	\$0.00	\$20,007.86	\$0.00	\$0.00	\$0.00	
12	\$14,129.27	\$4,417.31	\$1,851.28	\$0.00	\$20,397.86	\$0.00	\$0.00	\$0.00	
13	\$14,553.15	\$4,417.31	\$1,830.20	\$0.00	\$20,800.66	\$0.00	\$0.00	\$0.00	
14	\$14,989.75	\$4,417.31	\$1,833.92	\$0.00	\$21,240.97	\$0.00	\$0.00	\$0.00	
15	\$15,439.44	\$4,417.31	\$1,837.75	\$0.00	\$21,694.49	\$0.00	\$0.00	\$0.00	
16	\$15,902.62	\$4,417.31	\$1,841.69	\$0.00	\$22,161.62	\$0.00	\$0.00	\$0.00	
17	\$16,379.70	\$4,417.31	\$1,845.75	\$0.00	\$22,642.76	\$0.00	\$0.00	\$0.00	
18	\$16,871.09	\$4,417.31	\$1,849.94	\$0.00	\$23,138.34	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$241,845.10	\$67,892.93	\$34,618.33	\$0.00	\$344,356.36	\$344,356.36	\$0.00	\$0.00	

03 Aggregation Results - 2018 - Sect=RES-EEP - Tech=GSPH.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.845876326	5.970716952	9.135299019	9.453033445	8.663909834	24.4232286
TRC Test	2.615087845	1.96921333	3.037241709	3.144475263	2.87815055	8.196830652
RIM Test	0.633797564	0.492448213	0.737958378	0.763625276	0.699879099	1.937909203
RM (Net Fuel) Test	0.764912946	0.505516377	0.91732125	0.945574691	0.766293678	2.400546286
Societal Test	2.615087845	1.96921333	3.037241709	3.144475263	2.87815055	8.196830652
Participant Test	4.406863669	4.312010507	4.406863669	4.406863669	4.406863669	4.402007434

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kWh Savings	\$12.5768	\$12.5768	100.00%
Total Cost / kWh Savings	\$0.052	\$0.052	100.00%
Total Costs / CCF Savings	\$0.000	\$0.000	100.00%
Allocated Cost / kWh Savings	\$2.1651	\$2.1651	17.21%
Allocated Costs / kWh Savings	\$0.043	\$0.043	82.79%
Allocated Costs / CCF Savings	\$0.000	\$0.000	0.00%

NET BENEFITS				
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio
Utility (PAC) Test	\$235,376.29	\$30,000.00	\$205,376.29	7.85
TRC Test	\$370,296.44	\$141,600.00	\$228,696.44	2.62
RIM Test	\$235,376.29	\$371,374.56	(\$135,998.27)	0.63
RM (Net Fuel) Test	\$235,376.29	\$299,913.91	(\$64,537.62)	0.78
Societal Test	\$370,296.44	\$141,600.00	\$228,696.44	2.62
Participant Test	\$590,950.42	\$134,100.00	\$456,850.42	4.41

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$133,849.21	\$105,427.59	\$200,365.05	\$209,897.09	\$186,223.38	\$659,002.94
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$27,833.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$235,376.29	\$179,121.51	\$274,058.97	\$283,591.00	\$259,917.30	\$732,696.86
Administration Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00
Total	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	7.85	5.97	9.14	9.45	8.66	24.42
TRC Test						
Avoided Electric Production	\$213,218.19	\$167,943.31	\$319,176.13	\$334,360.40	\$296,648.82	\$1,049,773.92
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$46,180.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$370,296.44	\$278,840.61	\$430,073.43	\$445,257.70	\$407,546.12	\$1,160,671.22
Administration Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00
Participant Tax Credits (gross)	\$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
Test Results	2.62	1.97	3.04	3.14	2.88	8.20
RIM Test						
Avoided Electric Production	\$133,849.21	\$105,427.59	\$200,365.05	\$209,897.09	\$186,223.38	\$659,002.94
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$27,833.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92	\$73,693.92
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$235,376.29	\$179,121.51	\$274,058.97	\$283,591.00	\$259,917.30	\$732,696.86
Administration Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00
Total	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$341,374.56	\$333,736.00	\$341,374.56	\$341,374.56	\$341,374.56	\$348,086.27
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$341,374.56	\$333,736.00	\$341,374.56	\$341,374.56	\$341,374.56	\$348,086.27
Net Fuel Loss Revenue (Electric)	\$269,913.91	\$263,874.81	\$269,913.91	\$269,913.91	\$269,913.91	\$275,220.88
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$269,913.91	\$263,874.81	\$269,913.91	\$269,913.91	\$269,913.91	\$275,220.88
Test Results	0.63	0.49	0.74	0.76	0.70	1.94
Societal Test	0.78	0.61	0.91	0.95	0.87	2.40
Participant Test						
Avoided Electric Production	\$213,218.19	\$167,943.31	\$319,176.13	\$334,360.40	\$296,648.82	\$1,049,773.92
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$46,180.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30	\$110,897.30
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$370,296.44	\$278,840.61	\$430,073.43	\$445,257.70	\$407,546.12	\$1,160,671.22
Administration Costs	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00
Reduced Amers	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00
Participant Tax Credits (gross)	\$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
Test Results	2.62	1.97	3.04	3.14	2.88	8.20
Incentives	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00
Participant Costs (gross)	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00	\$134,100.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$568,460.42	\$555,740.61	\$568,460.42	\$568,460.42	\$568,460.42	\$579,636.82
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$568,460.42	\$555,740.61	\$568,460.42	\$568,460.42	\$568,460.42	\$579,636.82
Test Results	4.41	4.31	4.41	4.41	4.41	4.49

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UTC) Test						
Net Benefits	\$205,376.29	\$149,121.51	\$244,058.97	\$253,591.00	\$229,917.30	\$702,696.86
Levelized Cost (kW)	\$12.5768	\$12.5768	\$12.5768	\$12.5768	\$12.5768	\$12.5768
Levelized Cost (kWh)	\$0.052	\$0.052	\$0.052	\$0.052	\$0.052	\$0.052
Levelized Cost (CCF)	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
TRC Test						
Net Benefits	\$228,696.44	\$137,240.61	\$288,473.43	\$303,657.70	\$265,946.12	\$1,019,071.22
Levelized Cost (kW)	\$59.3626	\$59.3626	\$59.3626	\$59.3626	\$59.3626	\$59.3626
Levelized Cost (kWh)	\$0.0244	\$0.0250	\$0.0244	\$0.0244	\$0.0244	\$0.0240
Levelized Cost (CCF)	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
RIM Test						
Net Benefits	(\$135,998.27)	(\$184,614.49)	(\$97,315.59)	(\$87,783.56)	(\$111,457.27)	\$354,610.59
Net Benefits (Net Fuel)	\$64,637.62	\$114,753.30	\$25,854.94	\$16,322.91	\$30,996.62	\$427,475.97
Societal Test						
Net Benefits	\$228,696.44	\$137,240.61	\$288,473.43	\$303,657.70	\$265,946.12	\$1,019,071.22
Levelized Cost (kW)	\$59.3626	\$59.3626	\$59.3626	\$59.3626	\$59.3626	\$59.3626
Levelized Cost (kWh)	\$0.0244	\$0.0250	\$0.0244	\$0.0244	\$0.0244	\$0.0240
Levelized Cost (CCF)	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000
Participant Test						
Net Benefits	\$456,850.42	\$444,140.61	\$456,850.42	\$456,850.42	\$456,850.42	\$468,036.82

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	2385.3398	2385.3398	2385.3398	2385.3398	2385.3398	2385.3398
kWh (Discounted)	5792019.5755	5662380.5168	5792019.5755	5792019.5755	5792019.5755	5905875.7148
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000		

03 Aggregation Results - 2018 - Sect=RESDE-EEP - Tech=GSHP.xlsx

Utility Program Costs (Losses Included)										
Year	Overall Costs				Total	Total Costs per kW, kWh, and CCF Saved				
	Administration	Implementation	Energy	Other		\$/kW	\$/kWh	\$/kWh/yr	\$/CCF	\$/CCF/yr
1	\$7,500.00	\$0.00	\$22,500.00	\$0.00	\$30,000.00	\$226.38	\$226.38	\$0.09	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$7,500.00	\$0.00	\$22,500.00	\$0.00	\$30,000.00	\$226.38	\$226.38	\$0.09	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address/Capacity	T&D	Ancillary	Gas Distribution	Gas Commodity
1	\$13,942.27	\$0.00	\$7,784.24	\$0.00	\$21,726.51	\$0.00
2	\$16,390.51	\$0.00	\$7,874.30	\$0.00	\$24,264.80	\$0.00
3	\$16,611.76	\$0.00	\$7,822.22	\$0.00	\$24,433.97	\$0.00
4	\$17,175.95	\$0.00	\$7,792.74	\$0.00	\$24,968.69	\$0.00
5	\$18,033.55	\$0.00	\$7,700.53	\$0.00	\$25,734.08	\$0.00
6	\$18,719.06	\$0.00	\$7,608.89	\$0.00	\$26,327.95	\$0.00
7	\$19,201.45	\$0.00	\$7,521.10	\$0.00	\$26,722.55	\$0.00
8	\$19,680.22	\$0.00	\$7,436.07	\$0.00	\$27,116.29	\$0.00
9	\$19,850.69	\$0.00	\$7,350.55	\$0.00	\$27,201.24	\$0.00
10	\$20,343.96	\$0.00	\$7,266.72	\$0.00	\$27,610.69	\$0.00
11	\$20,594.23	\$0.00	\$7,183.51	\$0.00	\$27,777.74	\$0.00
12	\$21,212.05	\$0.00	\$7,100.92	\$0.00	\$28,312.97	\$0.00
13	\$21,848.41	\$0.00	\$7,020.05	\$0.00	\$28,868.47	\$0.00
14	\$22,503.87	\$0.00	\$7,034.31	\$0.00	\$29,538.18	\$0.00
15	\$23,178.98	\$0.00	\$7,049.00	\$0.00	\$30,227.98	\$0.00
16	\$23,874.35	\$0.00	\$7,064.13	\$0.00	\$30,938.48	\$0.00
17	\$24,590.58	\$0.00	\$7,079.71	\$0.00	\$31,670.30	\$0.00
18	\$25,328.30	\$0.00	\$7,095.76	\$0.00	\$32,424.06	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$363,078.18	\$0.00	\$132,784.77	\$0.00	\$495,862.95	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Address/Capacity	T&D	Ancillary	Gas Distribution	Gas Commodity
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)						
Year	Cumulative Electric				Cumulative Gas	
	Energy	Capacity	T&D	Ancillary	Gas Distribution	Gas Commodity
1	\$10,021.09	\$1,204.47	\$7,784.24	\$0.00	\$19,009.80	\$0.00
2	\$11,780.78	\$1,263.98	\$7,874.30	\$0.00	\$20,919.05	\$0.00
3	\$11,939.80	\$1,308.82	\$7,822.22	\$0.00	\$21,070.84	\$0.00
4	\$12,343.88	\$1,316.57	\$7,792.74	\$0.00	\$21,453.19	\$0.00
5	\$12,961.73	\$3,718.80	\$7,700.53	\$0.00	\$24,381.05	\$0.00
6	\$13,454.44	\$3,718.80	\$7,608.89	\$0.00	\$24,782.13	\$0.00
7	\$13,801.16	\$3,718.80	\$7,521.10	\$0.00	\$25,041.06	\$0.00
8	\$14,145.28	\$3,718.80	\$7,436.07	\$0.00	\$25,300.15	\$0.00
9	\$14,267.80	\$3,718.80	\$7,350.55	\$0.00	\$25,337.15	\$0.00
10	\$14,622.35	\$3,718.80	\$7,266.72	\$0.00	\$25,607.87	\$0.00
11	\$14,802.23	\$3,718.80	\$7,183.51	\$0.00	\$25,794.54	\$0.00
12	\$15,246.30	\$3,718.80	\$7,100.92	\$0.00	\$26,066.01	\$0.00
13	\$15,703.68	\$3,718.80	\$7,020.05	\$0.00	\$26,442.53	\$0.00
14	\$16,174.79	\$3,718.80	\$7,034.31	\$0.00	\$26,927.90	\$0.00
15	\$16,660.04	\$3,718.80	\$7,049.00	\$0.00	\$27,427.84	\$0.00
16	\$17,159.84	\$3,718.80	\$7,064.13	\$0.00	\$27,942.77	\$0.00
17	\$17,674.63	\$3,718.80	\$7,079.71	\$0.00	\$28,473.14	\$0.00
18	\$18,204.87	\$3,718.80	\$7,095.76	\$0.00	\$29,019.43	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$260,964.71	\$57,156.98	\$132,784.77	\$0.00	\$450,906.45	\$0.00

04 Aggregation Results - 2018 - Sect=RES-D-E-E-P - Tech=CAL.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	2.876586912	2.027869398	3.218295369	3.354100454	3.016882139	9.125081627
TRC Test	11.04214216	7.68593894	12.23156651	12.75028979	11.46144109	34.78737997
RIM Test	0.49448826	0.38663626	0.55222109	0.576573331	0.518553584	1.548706726
RM (Net Fuel)	0.60221338	0.432440441	0.671510538	0.698954655	0.623423285	1.878586171
Societal Test	11.04214216	7.68593894	12.23156651	12.75028979	11.46144109	34.78737997
Participant Test	65535	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$56.7736	\$56.7736	100.00%
Total Costs / kWh Savings	\$0.0132	\$0.0132	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0.0000	\$0.0000	
Allocated Costs / kW Savings	\$13.8120	\$13.8120	24.33%
Allocated Costs / kWh Savings	\$0.0100	\$0.0100	75.67%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio
Utility (PAC) Test	\$31,642.46	\$11,000.00	\$20,642.46	2.88
TRC Test	\$46,929.10	\$4,250.00	\$42,679.10	11.04
RIM Test	\$31,642.46	\$63,990.31	(\$32,347.85)	0.49
RM (Net Fuel) Test	\$31,642.46	\$52,718.24	(\$21,075.78)	0.60
Societal Test	\$46,929.10	\$4,250.00	\$42,679.10	11.04
Participant Test	\$89,134.71	\$0.00	\$89,134.71	inf.

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$20,889.63	\$18,269.69	\$31,363.98	\$32,858.23	\$29,145.53	\$96,339.02
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$6,715.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$31,642.46	\$22,306.56	\$35,400.85	\$36,895.10	\$33,182.40	\$100,375.90
Administration Costs	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00
Implementation / Participation Costs	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
Total	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	2.88	2.03	3.22	3.35	3.02	9.13

Utility (PAC/TC) Test	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$20,642.46	\$11,306.56	\$24,400.85	\$25,895.10	\$22,182.40	\$89,375.90
Levelized Cost (kW)	\$56.7736	\$56.7736	\$56.7736	\$56.7736	\$56.7736	\$56.7736
Levelized Cost (kWh)	\$0.0132	\$0.0136	\$0.0132	\$0.0132	\$0.0132	\$0.0130
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

Participants	kWh	Summer kW		Winter kW		Generator Meter
		55,348	6,458	6,458	5,965	
1500	51,120	5,965	5,965			

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$2,200.00	\$2,050.00	\$0.00	\$6,750.00	\$11,000.00

TRC Test						
Avoided Electric Production	\$30,819.93	\$26,954.54	\$46,273.46	\$48,478.03	\$43,000.42	\$142,135.66
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$10,398.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$46,929.10	\$32,665.24	\$51,984.16	\$54,188.73	\$48,711.12	\$147,846.36
Administration Costs	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00
Implementation / Participation Costs	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00
Reduced Acreage	\$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 (gross)	\$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
Test Results	11.04	7.69	12.23	12.75	11.46	34.79

TRC Test						
Net Benefits	\$42,679.10	\$28,415.24	\$47,734.16	\$49,938.73	\$44,461.12	\$143,596.36
Levelized Cost (kW)	\$21.9353	\$21.9353	\$21.9353	\$21.9353	\$21.9353	\$21.9353
Levelized Cost (kWh)	\$0.0051	\$0.0053	\$0.0051	\$0.0051	\$0.0051	\$0.0050
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

RIM Test						
Avoided Electric Production	\$20,889.63	\$18,269.69	\$31,363.98	\$32,858.23	\$29,145.53	\$96,339.02
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$6,715.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88	\$4,036.88
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$31,642.46	\$22,306.56	\$35,400.85	\$36,895.10	\$33,182.40	\$100,375.90
Administration Costs	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00
Implementation / Participation Costs	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
Total	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00	\$11,000.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$52,990.31	\$51,547.10	\$52,990.31	\$52,990.31	\$52,990.31	\$53,896.53
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$52,990.31	\$51,547.10	\$52,990.31	\$52,990.31	\$52,990.31	\$53,896.53
Net Fuel Lost Revenue (Electric)	\$41,718.24	\$40,582.97	\$41,718.24	\$41,718.24	\$41,718.24	\$42,432.19
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$41,718.24	\$40,582.97	\$41,718.24	\$41,718.24	\$41,718.24	\$42,432.19
Test Results	0.49	0.36	0.55	0.58	0.52	1.55
	0.60	0.43	0.67	0.70	0.63	1.88

RIM Test						
Net Benefits	(\$32,347.85)	(\$40,240.54)	(\$28,589.45)	(\$27,095.20)	(\$30,807.90)	\$35,479.37
Net Benefits (Net Fuel)	(\$21,075.78)	(\$29,276.41)	(\$17,317.39)	(\$15,823.13)	(\$19,535.84)	\$46,943.71

Societal Test						
Avoided Electric Production	\$30,819.93	\$26,954.54	\$46,273.46	\$48,478.03	\$43,000.42	\$142,135.66
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$10,398.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70	\$5,710.70
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$46,929.10	\$32,665.24	\$51,984.16	\$54,188.73	\$48,711.12	\$147,846.36
Administration Costs	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00
Implementation / Participation Costs	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00	\$2,050.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00	\$4,250.00
Reduced Acreage	\$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 (gross)	\$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
Test Results	11.04	7.69	12.23	12.75	11.46	34.79

Societal Test						
Net Benefits	\$42,679.10	\$28,415.24	\$47,734.16	\$49,938.73	\$44,461.12	\$143,596.36
Levelized Cost (kW)	\$21.9353	\$21.9353	\$21.9353	\$21.9353	\$21.9353	\$21.9353
Levelized Cost (kWh)	\$0.0051	\$0.0053	\$0.0051	\$0.0051	\$0.0051	\$0.0050
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

Participant Test						
Incentives	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
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)	\$82,384.71	\$80,140.94	\$82,384.71	\$82,384.71	\$82,384.71	\$83,783.63
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$82,384.71	\$80,140.94	\$82,384.71	\$82,384.71	\$82,384.71	\$83,783.63
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Participant Test						
Net Benefits	\$89,134.71	\$86,890.94	\$89,134.71	\$89,134.71	\$89,134.71	\$90,543.63

Present Values (PVs) of Impacts						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	193.7520	193.7520	193.7520	193.7520	193.7520	193.7520
kWh (Discounted)	830227.3200	807546.2671	830227.3200	830227.3200	830227.3200	844388.9512
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.	

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Participation		Participation		Participation		Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out			
Year	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	1500	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	1500	0	1500	1500	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	1,500	0	22,500	0	22,500	22,500	\$0	\$0	\$0	\$0	\$0	\$0

Impacts and Savings (Losses Included)		Electric Impacts/Savings																								
Year	Per Participant							Cumulative							Yearly Incremental (Per Participant * Incremental Participants)											
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		
1	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	68	68	6	6	6	6	6	6	55,348	55,348
2	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	55,348	55,348
3	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
4	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
5	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
6	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
7	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
8	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
9	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
10	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
11	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
12	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
13	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
14	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
15	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	55,348	55,348	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals							553	553							830,227	830,227									55,348	55,348

Lost Revenue Dollars (Losses Included)												
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			Net Fuel		
	Electric	Gas	Total	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Free-Drop-Out	Net Fuel
1	\$3.23	\$0.00	\$3.23	\$5,292.65	\$0.00	\$5,292.65	\$4,041.80	\$0.00	\$4,041.80	\$0.00	\$0.00	\$0.00
2	\$3.67	\$0.00	\$3.67	\$5,504.25	\$0.00	\$5,504.25	\$4,253.31	\$0.00	\$4,253.31	\$0.00	\$0.00	\$0.00
3	\$3.82	\$0.00	\$3.82	\$5,724.53	\$0.00	\$5,724.53	\$4,473.48	\$0.00	\$4,473.48	\$0.00	\$0.00	\$0.00
4	\$3.85	\$0.00	\$3.85	\$5,781.77	\$0.00	\$5,781.77	\$4,530.72	\$0.00	\$4,530.72	\$0.00	\$0.00	\$0.00
5	\$3.89	\$0.00	\$3.89	\$5,839.59	\$0.00	\$5,839.59	\$4,588.54	\$0.00	\$4,588.54	\$0.00	\$0.00	\$0.00
6	\$3.93	\$0.00	\$3.93	\$5,897.99	\$0.00	\$5,897.99	\$4,646.94	\$0.00	\$4,646.94	\$0.00	\$0.00	\$0.00
7	\$3.97	\$0.00	\$3.97	\$5,956.97	\$0.00	\$5,956.97	\$4,705.92	\$0.00	\$4,705.92	\$0.00	\$0.00	\$0.00
8	\$4.01	\$0.00	\$4.01	\$6,016.54	\$0.00	\$6,016.54	\$4,765.49	\$0.00	\$4,765.49	\$0.00	\$0.00	\$0.00
9	\$4.05	\$0.00	\$4.05	\$6,076.70	\$0.00	\$6,076.70	\$4,825.65	\$0.00	\$4,825.65	\$0.00	\$0.00	\$0.00
10	\$4.09	\$0.00	\$4.09	\$6,137.47	\$0.00	\$6,137.47	\$4,886.42	\$0.00	\$4,886.42	\$0.00	\$0.00	\$0.00
11	\$4.13	\$0.00	\$4.13	\$6,198.84	\$0.00	\$6,198.84	\$4,947.80	\$0.00	\$4,947.80	\$0.00	\$0.00	\$0.00
12	\$4.17	\$0.00	\$4.17	\$6,260.83	\$0.00	\$6,260.83	\$5,009.78	\$0.00	\$5,009.78	\$0.00	\$0.00	\$0.00
13	\$4.22	\$0.00	\$4.22	\$6,323.44	\$0.00	\$6,323.44	\$5,072.39	\$0.00	\$5,072.39	\$0.00	\$0.00	\$0.00
14	\$4.26	\$0.00	\$4.26	\$6,386.68	\$0.00	\$6,386.68	\$5,135.63	\$0.00	\$5,135.63	\$0.00	\$0.00	\$0.00
15	\$4.30	\$0.00	\$4.30	\$6,450.54	\$0.00	\$6,450.54	\$5,199.49	\$0.00	\$5,199.49	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$59.00	\$0.00	\$59									

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Training	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$2,200.00	\$2,050.00	\$6,750.00	\$0.00	\$11,000.00	\$851.60	\$851.60	\$0.20	\$0.20	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,200.00	\$2,050.00	\$6,750.00	\$0.00	\$11,000.00	\$851.60	\$851.60	\$0.20	\$0.20	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$2,444.89	\$0.00	\$462.64	\$0.00	\$2,907.52	\$0.00	\$0.00	\$0.00	\$0.00
2	\$2,874.20	\$0.00	\$467.99	\$0.00	\$3,342.19	\$0.00	\$0.00	\$0.00	\$0.00
3	\$2,913.00	\$0.00	\$464.89	\$0.00	\$3,377.89	\$0.00	\$0.00	\$0.00	\$0.00
4	\$3,011.59	\$0.00	\$463.14	\$0.00	\$3,474.73	\$0.00	\$0.00	\$0.00	\$0.00
5	\$3,162.32	\$0.00	\$457.66	\$0.00	\$3,619.98	\$0.00	\$0.00	\$0.00	\$0.00
6	\$3,282.53	\$0.00	\$452.21	\$0.00	\$3,734.75	\$0.00	\$0.00	\$0.00	\$0.00
7	\$3,367.12	\$0.00	\$447.00	\$0.00	\$3,814.12	\$0.00	\$0.00	\$0.00	\$0.00
8	\$3,451.08	\$0.00	\$441.94	\$0.00	\$3,893.02	\$0.00	\$0.00	\$0.00	\$0.00
9	\$3,480.97	\$0.00	\$436.86	\$0.00	\$3,917.83	\$0.00	\$0.00	\$0.00	\$0.00
10	\$3,567.47	\$0.00	\$431.88	\$0.00	\$3,999.35	\$0.00	\$0.00	\$0.00	\$0.00
11	\$3,611.36	\$0.00	\$426.93	\$0.00	\$4,038.29	\$0.00	\$0.00	\$0.00	\$0.00
12	\$3,719.70	\$0.00	\$422.02	\$0.00	\$4,141.72	\$0.00	\$0.00	\$0.00	\$0.00
13	\$3,831.29	\$0.00	\$417.22	\$0.00	\$4,248.51	\$0.00	\$0.00	\$0.00	\$0.00
14	\$3,946.23	\$0.00	\$418.07	\$0.00	\$4,364.29	\$0.00	\$0.00	\$0.00	\$0.00
15	\$4,064.62	\$0.00	\$418.94	\$0.00	\$4,483.55	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$50,728.37	\$0.00	\$6,629.40	\$0.00	\$57,357.76	\$0.00	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$2,444.89	\$0.00	\$462.64	\$0.00	\$2,907.52	\$0.00	\$0.00	\$0.00	\$0.00
2	\$2,874.20	\$0.00	\$467.99	\$0.00	\$3,342.19	\$0.00	\$0.00	\$0.00	\$0.00
3	\$2,913.00	\$0.00	\$464.89	\$0.00	\$3,377.89	\$0.00	\$0.00	\$0.00	\$0.00
4	\$3,011.59	\$0.00	\$463.14	\$0.00	\$3,474.73	\$0.00	\$0.00	\$0.00	\$0.00
5	\$3,162.32	\$0.00	\$457.66	\$0.00	\$3,619.98	\$0.00	\$0.00	\$0.00	\$0.00
6	\$3,282.53	\$0.00	\$452.21	\$0.00	\$3,734.75	\$0.00	\$0.00	\$0.00	\$0.00
7	\$3,367.12	\$0.00	\$447.00	\$0.00	\$3,814.12	\$0.00	\$0.00	\$0.00	\$0.00
8	\$3,451.08	\$0.00	\$441.94	\$0.00	\$3,893.02	\$0.00	\$0.00	\$0.00	\$0.00
9	\$3,480.97	\$0.00	\$436.86	\$0.00	\$3,917.83	\$0.00	\$0.00	\$0.00	\$0.00
10	\$3,567.47	\$0.00	\$431.88	\$0.00	\$3,999.35	\$0.00	\$0.00	\$0.00	\$0.00
11	\$3,611.36	\$0.00	\$426.93	\$0.00	\$4,038.29	\$0.00	\$0.00	\$0.00	\$0.00
12	\$3,719.70	\$0.00	\$422.02	\$0.00	\$4,141.72	\$0.00	\$0.00	\$0.00	\$0.00
13	\$3,831.29	\$0.00	\$417.22	\$0.00	\$4,248.51	\$0.00	\$0.00	\$0.00	\$0.00
14	\$3,946.23	\$0.00	\$418.07	\$0.00	\$4,364.29	\$0.00	\$0.00	\$0.00	\$0.00
15	\$4,064.62	\$0.00	\$418.94	\$0.00	\$4,483.55	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$1,752.34	\$326.15	\$462.64	\$0.00	\$2,541.12	\$0.00	\$0.00	\$0.00	\$0.00
2	\$2,060.04	\$342.26	\$467.99	\$0.00	\$2,870.29	\$0.00	\$0.00	\$0.00	\$0.00
3	\$2,097.85	\$354.40	\$464.89	\$0.00	\$2,907.15	\$0.00	\$0.00	\$0.00	\$0.00
4	\$2,158.51	\$356.50	\$463.14	\$0.00	\$2,978.15	\$0.00	\$0.00	\$0.00	\$0.00
5	\$2,266.55	\$1,006.99	\$457.66	\$0.00	\$3,731.20	\$0.00	\$0.00	\$0.00	\$0.00
6	\$2,352.71	\$1,006.99	\$452.21	\$0.00	\$3,811.91	\$0.00	\$0.00	\$0.00	\$0.00
7	\$2,413.34	\$1,006.99	\$447.00	\$0.00	\$3,867.32	\$0.00	\$0.00	\$0.00	\$0.00
8	\$2,473.51	\$1,006.99	\$441.94	\$0.00	\$3,922.44	\$0.00	\$0.00	\$0.00	\$0.00
9	\$2,494.94	\$1,006.99	\$436.86	\$0.00	\$3,938.78	\$0.00	\$0.00	\$0.00	\$0.00
10	\$2,556.93	\$1,006.99	\$431.88	\$0.00	\$3,995.80	\$0.00	\$0.00	\$0.00	\$0.00
11	\$2,589.39	\$1,006.99	\$426.93	\$0.00	\$4,022.31	\$0.00	\$0.00	\$0.00	\$0.00
12	\$2,666.04	\$1,006.99	\$422.02	\$0.00	\$4,095.05	\$0.00	\$0.00	\$0.00	\$0.00
13	\$2,746.02	\$1,006.99	\$417.22	\$0.00	\$4,170.22	\$0.00	\$0.00	\$0.00	\$0.00
14	\$2,828.40	\$1,006.99	\$418.07	\$0.00	\$4,253.45	\$0.00	\$0.00	\$0.00	\$0.00
15	\$2,913.25	\$1,006.99	\$418.94	\$0.00	\$4,339.18	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$36,358.82	\$12,456.16	\$6,629.40	\$0.00	\$55,444.38	\$55,444.38	\$0.00	\$0.00	\$0.00

05 Aggregation Results - 2018 - Sect=RES-EQP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Based	Minimum	Today		Option	Maximum
			Alternate	Option		
Utility (PAC) Test	6.654572687	4.675170721	7.294211537	7.595627877	6.900417866	19.97880531
TRC Test	2.977490261	2.08545639	3.313476585	3.437837795	3.128965041	9.258715734
RIM Test	0.633724405	0.45459346	0.694638121	0.719914036	0.657136591	1.869641438
RM (Net Fuel)	0.762032929	0.569722983	0.85725895	0.889450121	0.810976041	2.308317412
Societal Test	2.977490261	2.08545639	3.313476585	3.437837795	3.128965041	9.258715734
Participant Test	5.549154998	5.42725738	5.549154998	5.549154998	5.549154998	5.653635218

Cost of Conserved kWh, kW, and CCF 100% Allocation	Nominal			Levelized			% Allocation
	Total Costs / kW Savings	Total Cost / kWh Savings	Total Costs / CCF Savings	\$1,151	\$0,006	\$0,000	
Allocated By Cost-Based Avoided Costs	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	\$0,000	0.00%
Allocated Costs / kW Savings	\$5,1867	\$5,1867	\$5,1867	\$5,1867	\$5,1867	\$5,1867	24.56%
Allocated Costs / CCF Savings	\$0,047	\$0,047	\$0,047	\$0,047	\$0,047	\$0,047	75.44%

NET BENEFITS					
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
	\$498,092.95	\$76,000.00	\$424,092.95	6.65	Utility (PAC) Test
	\$754,347.16	\$253,360.00	\$500,987.16	2.98	TRC Test
	\$498,092.95	\$787,555.20	(\$289,462.25)	0.63	RIM Test
	\$498,092.95	\$638,158.61	(\$139,065.65)	0.78	RM (Net Fuel) Test
	\$754,347.16	\$253,360.00	\$500,987.16	2.98	Societal Test
	\$1,221,369.02	\$220,100.00	\$1,001,269.02	5.55	Participant Test

Participants	kWh	Summer kWh	Winter kWh	Generator
2155	694,744	621,559	115,126	Meter
	641,666	481,712	106,331	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$20,575.00	\$12,675.00	\$0.00	\$41,750.00	\$75,000.00

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Based	Minimum	Today		Option	Maximum
			Alternate	Option		
Utility (PAC) Test						
Avoided Electric Production	\$279,421.70	\$221,954.19	\$418,382.25	\$438,288.48	\$388,847.73	\$1,369,726.79
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$90,987.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$498,092.95	\$350,637.80	\$547,065.87	\$566,972.09	\$517,531.34	\$1,498,410.40
Administration Costs	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00
Implementation / Participation Costs	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00
Total	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Reduced Amcmts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	6.65	4.68	7.29	7.59	6.90	19.98
TRC Test						
Avoided Electric Production	\$442,274.97	\$351,090.27	\$662,209.18	\$693,716.09	\$615,463.18	\$2,168,435.52
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$134,812.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$754,347.16	\$528,350.38	\$839,469.29	\$870,976.21	\$792,723.29	\$2,345,695.63
Administration Costs	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00
Implementation / Participation Costs	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00
Reduced Amcmts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00
Participant Tax Credits (gross)	\$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
Test Results	2.98	2.09	3.31	3.44	3.13	9.26
RIM Test						
Avoided Electric Production	\$279,421.70	\$221,954.19	\$418,382.25	\$438,288.48	\$388,847.73	\$1,369,726.79
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$90,987.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61	\$128,683.61
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$498,092.95	\$350,637.80	\$547,065.87	\$566,972.09	\$517,531.34	\$1,498,410.40
Administration Costs	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00
Implementation / Participation Costs	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00
Total	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Reduced Amcmts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$712,555.20	\$696,321.71	\$712,555.20	\$712,555.20	\$712,555.20	\$726,442.66
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$712,555.20	\$696,321.71	\$712,555.20	\$712,555.20	\$712,555.20	\$726,442.66
Net Fuel Loss Revenue (Electric)	\$563,158.61	\$550,332.28	\$563,158.61	\$563,158.61	\$563,158.61	\$574,135.34
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$563,158.61	\$550,332.28	\$563,158.61	\$563,158.61	\$563,158.61	\$574,135.34
Test Results	0.63	0.45	0.69	0.72	0.66	1.87
	0.78	0.56	0.86	0.89	0.81	2.31
Societal Test						
Avoided Electric Production	\$442,274.97	\$351,090.27	\$662,209.18	\$693,716.09	\$615,463.18	\$2,168,435.52
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$134,812.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11	\$177,260.11
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$754,347.16	\$528,350.38	\$839,469.29	\$870,976.21	\$792,723.29	\$2,345,695.63
Administration Costs	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.00
Implementation / Participation Costs	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00	\$12,675.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00	\$33,250.00
Reduced Amcmts	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00
Participant Tax Credits (gross)	\$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
Test Results	2.98	2.09	3.31	3.44	3.13	9.26
Participant Test						
Incentives	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00
Participant Costs (gross)	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00	\$220,100.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$1,179,619.02	\$1,152,789.35	\$1,179,619.02	\$1,179,619.02	\$1,179,619.02	\$1,202,615.11
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,179,619.02	\$1,152,789.35	\$1,179,619.02	\$1,179,619.02	\$1,179,619.02	\$1,202,615.11
Test Results	5.55	5.43	5.55	5.55	5.55	5.65

Utility (PAC/TRC) Test	Cost Based		Market-Based			
	Based	Minimum	Today		Option	Maximum
			Alternate	Option		
Net Benefits	\$424,092.95	\$275,637.80	\$472,065.87	\$491,972.09	\$442,531.34	\$1,423,410.40
Levelized Cost (kW)	\$21,1151	\$21,1151	\$21,1151	\$21,1151	\$21,1151	\$21,1151
Levelized Cost (kWh)	\$0.0062	\$0.0064	\$0.0062	\$0.0062	\$0.0062	\$0.0061
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$500,997.16	\$275,000.38	\$596,119.29	\$617,626.21	\$539,373.29	\$2,092,345.63
Levelized Cost (kW)	\$71,3267	\$71,3267	\$71,3267	\$71,3267	\$71,3267	\$71,3267
Levelized Cost (kWh)	\$0.0211	\$0.0216	\$0.0211	\$0.0211	\$0.0211	\$0.0207
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits (Net Fuel)	(\$288,462.25)	(\$420,683.90)	(\$240,489.34)	(\$220,583.11)	(\$270,023.86)	\$696,967.74
Net Benefits (Net Fuel)	(\$139,065.65)	(\$274,694.47)	(\$91,092.74)	(\$71,186.52)	(\$120,627.27)	\$849,275.06
Societal Test						
Net Benefits	\$500,997.16	\$275,000.38	\$596,119.29	\$617,626.21	\$539,373.29	\$2,092,345.63
Levelized Cost (kW)	\$71,3267	\$71,3267</				

05 Aggregation Results - 2018 - Sect=RES-EEP - Tech=ALL.xlsx

Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
	1	2155	0	2155	0	2155	2155	\$220,100.00	\$0.00	\$220,100.00	\$220,100.00	\$0.00
Totals	2,155	0	23,648	0	23,648	23,648	\$220,100	\$0	\$220,100	\$220,100	\$0	\$220,100

Impacts and Savings (Losses Included)																																		
Year	Per Participant											Cumulative						Yearly Incremental (Per Participant * Incremental Participants)																
	kW		kW (net)		Summer Coin kW		Summer Coin (net)		Winter Coin kW		Winter Coin (net)		kWh		kWh (net)		kW		kW (net)		Summer Coin kW		Summer Coin (net)		Winter Coin kW		Winter Coin (net)		kWh		kWh (net)			
1	0.273	0.273	0.242	0.242	0.053	0.053	0.053	0.053	322.99	322.99	322.99	322.99	589	522	522	522	589	522	522	522	115	115	694,744	694,744	589	522	522	522	589	522	522	522	694,744	694,744
Totals	0.273	0.273	0.242	0.242	0.053	0.053	0.053	0.053	322.99	322.99	322.99	322.99	589	522	522	522	589	522	522	522	115	115	12,009,326	12,009,326	589	522	522	522	589	522	522	522	694,744	694,744

Lost Revenue Dollars (Losses Included)											
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)				
	Electric	Gas	Total	Net Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total		
1	\$30.99	\$0.00	\$30.99	\$66,778.44	\$0.00	\$66,778.44	\$51,075.06	\$0.00	\$51,075.06		
2	\$44.18	\$0.00	\$44.18	\$67,549.90	\$0.00	\$67,549.90	\$52,285.31	\$0.00	\$52,285.31		
Totals	\$8,382.93	\$0.00	\$8,382.93	\$1,326,984.87	\$0.00	\$1,326,984.87	\$1,055,536.60	\$0.00	\$1,055,536.60		

05 Aggregation Results - 2018 - Sect=RES-EEP - Tech=ALL.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Other	Total	\$/kW	\$/kWh	\$/kWh	\$/kWh	\$/CCF	\$/CCF	
1	\$20,575.00	\$12,675.00	\$41,750.00	\$0.00	\$75,000.00	\$117.80	\$117.80	\$0.11	\$0.11	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$20,575.00	\$12,675.00	\$41,750.00	\$0.00	\$75,000.00	\$117.80	\$117.80	\$0.11	\$0.11	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Gas Distribution	Gas Commodity	Total
1	\$30,207.07	\$0.00	\$42,016.37	\$0.00	\$72,223.44	\$0.00	\$0.00
2	\$34,454.37	\$0.00	\$10,395.19	\$0.00	\$44,849.56	\$0.00	\$0.00
3	\$34,919.45	\$0.00	\$10,325.44	\$0.00	\$45,245.89	\$0.00	\$0.00
4	\$36,101.22	\$0.00	\$10,287.53	\$0.00	\$46,388.75	\$0.00	\$0.00
5	\$37,908.19	\$0.00	\$10,165.80	\$0.00	\$48,073.99	\$0.00	\$0.00
6	\$39,349.19	\$0.00	\$10,044.83	\$0.00	\$49,394.02	\$0.00	\$0.00
7	\$40,363.23	\$0.00	\$9,928.83	\$0.00	\$50,292.15	\$0.00	\$0.00
8	\$41,369.84	\$0.00	\$9,816.67	\$0.00	\$51,186.51	\$0.00	\$0.00
9	\$41,727.98	\$0.00	\$9,703.78	\$0.00	\$51,431.76	\$0.00	\$0.00
10	\$42,764.89	\$0.00	\$9,593.11	\$0.00	\$52,358.00	\$0.00	\$0.00
11	\$43,290.97	\$0.00	\$9,483.26	\$0.00	\$52,774.23	\$0.00	\$0.00
12	\$44,589.70	\$0.00	\$9,374.23	\$0.00	\$53,963.93	\$0.00	\$0.00
13	\$45,927.39	\$0.00	\$9,267.47	\$0.00	\$55,194.86	\$0.00	\$0.00
14	\$47,305.21	\$0.00	\$9,286.29	\$0.00	\$56,591.51	\$0.00	\$0.00
15	\$48,724.37	\$0.00	\$9,305.69	\$0.00	\$58,030.06	\$0.00	\$0.00
16	\$48,990.55	\$0.00	\$8,905.82	\$0.00	\$54,905.37	\$0.00	\$0.00
17	\$47,379.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00
18	\$48,800.92	\$0.00	\$8,945.70	\$0.00	\$57,746.62	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$751,182.90	\$0.00	\$205,772.56	\$0.00	\$956,955.46	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Gas Distribution	Gas Commodity	Total
1	\$30,207.07	\$0.00	\$42,016.37	\$0.00	\$72,223.44	\$0.00	\$0.00
2	\$34,454.37	\$0.00	\$10,395.19	\$0.00	\$44,849.56	\$0.00	\$0.00
3	\$34,919.45	\$0.00	\$10,325.44	\$0.00	\$45,245.89	\$0.00	\$0.00
4	\$36,101.22	\$0.00	\$10,287.53	\$0.00	\$46,388.75	\$0.00	\$0.00
5	\$37,908.19	\$0.00	\$10,165.80	\$0.00	\$48,073.99	\$0.00	\$0.00
6	\$39,349.19	\$0.00	\$10,044.83	\$0.00	\$49,394.02	\$0.00	\$0.00
7	\$40,363.23	\$0.00	\$9,928.83	\$0.00	\$50,292.15	\$0.00	\$0.00
8	\$41,369.84	\$0.00	\$9,816.67	\$0.00	\$51,186.51	\$0.00	\$0.00
9	\$41,727.98	\$0.00	\$9,703.78	\$0.00	\$51,431.76	\$0.00	\$0.00
10	\$42,764.89	\$0.00	\$9,593.11	\$0.00	\$52,358.00	\$0.00	\$0.00
11	\$43,290.97	\$0.00	\$9,483.26	\$0.00	\$52,774.23	\$0.00	\$0.00
12	\$44,589.70	\$0.00	\$9,374.23	\$0.00	\$53,963.93	\$0.00	\$0.00
13	\$45,927.39	\$0.00	\$9,267.47	\$0.00	\$55,194.86	\$0.00	\$0.00
14	\$47,305.21	\$0.00	\$9,286.29	\$0.00	\$56,591.51	\$0.00	\$0.00
15	\$48,724.37	\$0.00	\$9,305.69	\$0.00	\$58,030.06	\$0.00	\$0.00
16	\$48,990.55	\$0.00	\$8,905.82	\$0.00	\$54,905.37	\$0.00	\$0.00
17	\$47,379.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00
18	\$48,800.92	\$0.00	\$8,945.70	\$0.00	\$57,746.62	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Capacity	T&D	Auxiliary	Gas Distribution	Gas Commodity	Total
1	\$21,700.44	\$26,338.72	\$42,016.37	\$0.00	\$90,055.54	\$0.00	\$0.00
2	\$24,758.48	\$3,107.83	\$10,395.19	\$0.00	\$38,261.31	\$0.00	\$0.00
3	\$25,982.89	\$3,217.88	\$10,325.44	\$0.00	\$39,637.00	\$0.00	\$0.00
4	\$26,941.89	\$3,236.93	\$10,287.53	\$0.00	\$39,466.36	\$0.00	\$0.00
5	\$27,240.36	\$9,143.09	\$10,165.80	\$0.00	\$46,549.25	\$0.00	\$0.00
6	\$28,275.84	\$9,143.09	\$10,044.83	\$0.00	\$47,463.76	\$0.00	\$0.00
7	\$29,004.52	\$9,143.09	\$9,928.93	\$0.00	\$48,076.53	\$0.00	\$0.00
8	\$29,727.71	\$9,143.09	\$9,816.67	\$0.00	\$48,687.48	\$0.00	\$0.00
9	\$29,985.21	\$9,143.09	\$9,703.78	\$0.00	\$48,832.08	\$0.00	\$0.00
10	\$30,730.32	\$9,143.09	\$9,593.11	\$0.00	\$49,466.53	\$0.00	\$0.00
11	\$31,108.36	\$9,143.09	\$9,483.26	\$0.00	\$49,734.71	\$0.00	\$0.00
12	\$32,041.61	\$9,143.09	\$9,374.23	\$0.00	\$50,558.93	\$0.00	\$0.00
13	\$33,002.86	\$9,143.09	\$9,267.47	\$0.00	\$51,413.42	\$0.00	\$0.00
14	\$33,992.94	\$9,143.09	\$9,286.29	\$0.00	\$52,422.33	\$0.00	\$0.00
15	\$35,012.73	\$9,143.09	\$9,305.69	\$0.00	\$53,461.51	\$0.00	\$0.00
16	\$33,062.46	\$8,136.10	\$8,905.82	\$0.00	\$50,104.39	\$0.00	\$0.00
17	\$34,054.34	\$8,136.10	\$8,925.47	\$0.00	\$51,115.91	\$0.00	\$0.00
18	\$35,075.97	\$8,136.10	\$8,945.70	\$0.00	\$52,157.77	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$539,808.75	\$160,883.46	\$205,772.56	\$0.00	\$906,464.77	\$906,464.77	\$0.00

06 Aggregation Results - 2018 - Sect=COMMEEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.58477956	6.681836874	10.24956361	10.69615708	9.58981878	27.58054245
TRC Test	2.497430676	1.925025346	2.95853735	3.087904097	2.766305647	7.979016895
RIM Test	0.581495405	0.46272697	0.6942607	0.724510993	0.64931257	1.835712746
RM (Net Fuel)	0.7404933601	0.595170007	0.893531598	0.932569899	0.83577571	2.364231499
Societal Test	2.497430676	1.925025346	2.95853735	3.087904097	2.766305647	7.979016895
Participant Test	3.232627644	3.160134179	3.232627644	3.232627644	3.232627644	3.291213592

Cost of Conserved kWh, kW, and CCF					
100% Allocation					
	Nominal	Levelized	% Allocation		
Total Costs / kW Savings	\$46,9401	\$46,9401	100.00%		
Total Cost / kWh Savings	\$0.0041	\$0.0041	100.00%		
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%		
Allocated By Cost-Based Avoided Costs					
Allocated Costs / kW Savings	\$9,0067	\$9,0067	19.19%		
Allocated Costs / kWh Savings	\$0.0033	\$0.0033	80.81%		
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%		

NET BENEFITS					Benefit/ Cost Ratio	Utility (PAC) Test TRC Test RIM Test RM (Net Fuel) Test Societal Test Participant Test
Total Benefits	Total Costs	Net Benefits				
\$154,526.03	\$18,000.00	\$136,526.03	8.58			
\$228,951.96	\$91,675.00	\$137,276.96	2.50			
\$154,526.03	\$265,739.00	(\$111,212.97)	0.58			
\$154,526.03	\$206,452.13	(\$51,926.10)	0.75			
\$228,951.96	\$91,675.00	\$137,276.96	2.50			
\$278,571.69	\$96,175.00	\$182,396.69	3.23			

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$111,962.78	\$104,293.76	\$168,512.84	\$176,551.52	\$156,568.37	\$480,470.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$26,583.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$154,526.03	\$120,273.06	\$184,492.15	\$192,530.83	\$172,547.67	\$496,449.76
Administration Costs	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Total	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	8.58	6.68	10.25	10.70	9.59	27.58
TRC Test						
Avoided Electric Production	\$165,186.48	\$153,871.84	\$248,618.72	\$260,478.75	\$230,996.21	\$708,871.52
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$41,160.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$22,604.86	\$22,604.86	\$22,604.86	\$22,604.86	\$22,604.86	\$22,604.86
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$228,951.96	\$176,476.70	\$271,223.58	\$283,083.61	\$253,601.07	\$731,476.37
Administration Costs	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$86,175.00	\$86,175.00	\$86,175.00	\$86,175.00	\$86,175.00	\$86,175.00
Participant Tax Credits (gross)	\$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
Test Results	2.50	1.93	2.96	3.09	2.77	7.98
RIM Test						
Avoided Electric Production	\$111,962.78	\$104,293.76	\$168,512.84	\$176,551.52	\$156,568.37	\$480,470.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$26,583.95	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31	\$15,979.31
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$154,526.03	\$120,273.06	\$184,492.15	\$192,530.83	\$172,547.67	\$496,449.76
Administration Costs	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00	\$5,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Total	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00	\$18,000.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Fuel Loss Revenue (Electric)	\$247,739.00	\$241,922.31	\$247,739.00	\$247,739.00	\$247,739.00	\$252,439.79
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$247,739.00	\$241,922.31	\$247,739.00	\$247,739.00	\$247,739.00	\$252,439.79
Net Fuel Loss Revenue (Electric)	\$188,452.13	\$184,081.86	\$188,452.13	\$188,452.13	\$188,452.13	\$191,983.57
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$188,452.13	\$184,081.86	\$188,452.13	\$188,452.13	\$188,452.13	\$191,983.57
Test Results	0.58	0.46	0.69	0.72	0.65	1.84
Societal Test	2.50	1.93	2.96	3.09	2.77	7.98
Participant Test	3.23	3.16	3.23	3.23	3.23	3.29

	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UTC) Test						
Net Benefits	\$136,526.03	\$102,273.06	\$166,492.15	\$174,530.83	\$154,547.67	\$478,449.76
Levelized Cost (kW)	\$46,9401	\$46,9401	\$46,9401	\$46,9401	\$46,9401	\$46,9401
Levelized Cost (kWh)	\$0.0041	\$0.0041	\$0.0041	\$0.0041	\$0.0041	\$0.0041
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$137,276.96	\$84,801.70	\$179,548.58	\$191,408.61	\$161,926.07	\$639,801.37
Levelized Cost (kW)	\$239,0685	\$239,0685	\$239,0685	\$239,0685	\$239,0685	\$239,0685
Levelized Cost (kWh)	\$0.0210	\$0.0210	\$0.0210	\$0.0210	\$0.0210	\$0.0210
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$11,212.97	-\$139,649.25	-\$81,246.86	-\$73,208.17	-\$93,191.33	\$226,009.98
Net Benefits (Net Fuel)	-\$51,926.10	-\$81,808.80	-\$21,959.98	-\$13,921.30	-\$33,904.45	\$286,466.20
Societal Test						
Net Benefits	\$137,276.96	\$84,801.70	\$179,548.58	\$191,408.61	\$161,926.07	\$639,801.37
Levelized Cost (kW)	\$239,0685	\$239,0685	\$239,0685	\$239,0685	\$239,0685	\$239,0685
Levelized Cost (kWh)	\$0.0210	\$0.0210	\$0.0210	\$0.0210	\$0.0210	\$0.0210
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$192,396.69	\$186,149.56	\$192,396.69	\$192,396.69	\$192,396.69	\$197,445.33

Present Values (PVs) of Impacts						
	Cost Based		Market-Based			
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	383.4675	383.4675	383.4675	383.4675	383.4675	383.4675
kWh (Discounted)	4366685.7000	4260151.5010	4366685.7000	4366685.7000	4366685.7000	4452812.1659
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	383.4675	383.4675	383.4675	383.4675	383.4675	383.4675
kWh (Undiscounted)	4366685.7000	4260151.5010	4366685.7000	4366685.7000	4366685.7000	4452812.1659
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Participants	kWh			Summer kWh 25,565	Winter kWh 0,000	Generator Meter
	25	291,112	268,871			
				25,565	0,000	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$5,500.00	\$0.00	\$0.00	\$12,500.00	\$18,000.00

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs			Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free-drop-out)	Gross			Net Free Riders / Drop-Out		
	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs			
1	25	0	25	0	25	25	\$86,175.00	\$0.00	\$86,175.00	\$86,175.00	\$0.00	\$86,175.00
2	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	25	0	375	0	375	375	\$86,175	\$0	\$86,175	\$86,175	\$0	\$86,175

Impacts and Savings (Losses Included)																										
Year	Per Participant											Electric Impacts				Yearly Incremental (Per Participant * Incremental Participants)										
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)		
	1	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	57	57	26	26	0	0	0	0	291,112
2	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
3	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
4	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
5	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
6	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
7	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
8	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
9	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
10	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
11	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
12	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
13	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
14	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
15	2.272	2.272	1.023	1.023	0.000	0.000	11,644.50	11,644.50	57	57	26	26	0	0	291,112	291,112	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0.000	0.000	0.000	0.000	0.000	0.000	174,667	174,667	0	0	0	0	0	0	4,366,686	4,366,686	0	0	0	0	0	0	0	0	291,112	291,112

Lost Revenue Dollars (Losses Included)										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total	
	1	\$989.76	\$0.00	\$989.76	\$24,744.06	\$0.00	\$24,744.06	\$18,164.01	\$0.00	\$18,164.01
2	\$1,029.35	\$0.00	\$1,029.35	\$25,733.82	\$0.00	\$25,733.82	\$19,153.77	\$0.00	\$19,153.77	
3	\$1,070.53	\$0.00	\$1,070.53	\$26,763.18	\$0.00	\$26,763.18	\$20,183.13	\$0.00	\$20,183.13	
4	\$1,081.23	\$0.00	\$1,081.23	\$27,030.81	\$0.00	\$27,030.81	\$20,450.76	\$0.00	\$20,450.76	
5	\$1,092.04	\$0.00	\$1,092.04	\$27,301.12	\$0.00	\$27,301.12	\$20,721.07	\$0.00	\$20,721.07	
6	\$1,102.97	\$0.00	\$1,102.97	\$27,574.13	\$0.00	\$27,574.13	\$20,994.08	\$0.00	\$20,994.08	
7	\$1,113.99	\$0.00	\$1,113.99	\$27,849.87	\$0.00	\$27,849.87	\$21,269.82	\$0.00	\$21,269.82	
8	\$1,125.13	\$0.00	\$1,125.13	\$28,128.37	\$0.00	\$28,128.37	\$21,548.32	\$0.00	\$21,548.32	
9	\$1,136.39	\$0.00	\$1,136.39	\$28,409.65	\$0.00	\$28,409.65	\$21,829.60	\$0.00	\$21,829.60	
10	\$1,147.75	\$0.00	\$1,147.75	\$28,693.75	\$0.00	\$28,693.75	\$22,113.70	\$0.00	\$22,113.70	
11	\$1,159.23	\$0.00	\$1,159.23	\$28,980.68	\$0.00	\$28,980.68	\$22,400.64	\$0.00	\$22,400.64	
12	\$1,170.82	\$0.00	\$1,170.82	\$29,270.49	\$0.00	\$29,270.49	\$22,690.44	\$0.00	\$22,690.44	
13	\$1,182.53	\$0.00	\$1,182.53	\$29,563.20	\$0.00	\$29,563.20	\$22,983.15	\$0.00	\$22,983.15	
14	\$1,194.35	\$0.00	\$1,194.35	\$29,859.83	\$0.00	\$29,859.83	\$23,278.78	\$0.00	\$23,278.78	
15	\$1,206.30	\$0.00	\$1,206.30	\$30,157.42	\$0.00	\$30,157.42	\$23,577.07	\$0.00	\$23,577.07	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$16,802.37	\$0.00	\$16,802.37	\$420,059.36	\$0.00	\$420,059.36	\$321,358.63	\$0.00	\$321,358.63	

06 Aggregation Results - 2018 - Sect=COMM-EEP - Tech=ASHP.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Training	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$5,500.00	\$0.00	\$12,500.00	\$0.00	\$18,000.00	\$704.10	\$704.10	\$0.06	\$0.06	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$5,500.00	\$0.00	\$12,500.00	\$0.00	\$18,000.00	\$704.10	\$704.10	\$0.06	\$0.06	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$13,133.81	\$0.00	\$1,831.27	\$0.00	\$14,965.08	\$0.00	\$0.00
2	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00	\$0.00
3	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00	\$0.00
4	\$16,178.09	\$0.00	\$1,833.27	\$0.00	\$18,011.36	\$0.00	\$0.00
5	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00	\$0.00
6	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00	\$0.00
7	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00	\$0.00
8	\$18,530.03	\$0.00	\$1,749.36	\$0.00	\$20,289.39	\$0.00	\$0.00
9	\$18,699.62	\$0.00	\$1,729.24	\$0.00	\$20,428.86	\$0.00	\$0.00
10	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00	\$0.00
11	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00	\$0.00
12	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.55	\$0.00	\$0.00
13	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00	\$0.00
14	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00	\$0.00
15	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$272,510.36	\$0.00	\$26,241.36	\$0.00	\$298,751.72	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$13,133.81	\$0.00	\$1,831.27	\$0.00	\$14,965.08	\$0.00	\$0.00
2	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00	\$0.00
3	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00	\$0.00
4	\$16,178.09	\$0.00	\$1,833.27	\$0.00	\$18,011.36	\$0.00	\$0.00
5	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00	\$0.00
6	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00	\$0.00
7	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00	\$0.00
8	\$18,530.03	\$0.00	\$1,749.36	\$0.00	\$20,289.39	\$0.00	\$0.00
9	\$18,699.62	\$0.00	\$1,729.24	\$0.00	\$20,428.86	\$0.00	\$0.00
10	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00	\$0.00
11	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00	\$0.00
12	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.55	\$0.00	\$0.00
13	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00	\$0.00
14	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00	\$0.00
15	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$9,392.05	\$1,291.01	\$1,831.27	\$0.00	\$12,514.32	\$0.00	\$0.00
2	\$11,041.28	\$1,354.79	\$1,852.45	\$0.00	\$14,248.52	\$0.00	\$0.00
3	\$11,190.32	\$1,402.85	\$1,840.20	\$0.00	\$14,433.37	\$0.00	\$0.00
4	\$11,569.03	\$1,411.16	\$1,833.27	\$0.00	\$14,813.46	\$0.00	\$0.00
5	\$12,148.09	\$3,985.98	\$1,811.57	\$0.00	\$17,945.65	\$0.00	\$0.00
6	\$12,609.87	\$3,985.98	\$1,790.02	\$0.00	\$18,385.87	\$0.00	\$0.00
7	\$12,934.93	\$3,985.98	\$1,769.36	\$0.00	\$18,690.18	\$0.00	\$0.00
8	\$13,257.35	\$3,985.98	\$1,749.36	\$0.00	\$18,992.69	\$0.00	\$0.00
9	\$13,372.18	\$3,985.98	\$1,729.24	\$0.00	\$19,087.41	\$0.00	\$0.00
10	\$13,704.47	\$3,985.98	\$1,709.52	\$0.00	\$19,399.98	\$0.00	\$0.00
11	\$13,870.06	\$3,985.98	\$1,689.94	\$0.00	\$19,549.99	\$0.00	\$0.00
12	\$14,289.25	\$3,985.98	\$1,670.51	\$0.00	\$19,945.75	\$0.00	\$0.00
13	\$14,717.93	\$3,985.98	\$1,651.49	\$0.00	\$20,355.40	\$0.00	\$0.00
14	\$15,159.47	\$3,985.98	\$1,634.84	\$0.00	\$20,800.30	\$0.00	\$0.00
15	\$15,614.25	\$3,985.98	\$1,618.30	\$0.00	\$21,258.54	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$194,873.44	\$49,305.62	\$26,241.36	\$0.00	\$270,420.42	\$270,420.42	\$0.00

07 Aggregation Results - 2018 - Sect-COMM-EEP - Tech=GRT.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	3.123870736	1.804078509	2.567186514	2.655479881	2.434875629	6.222767732
TRC Test	1.116205139	0.628360318	0.898514215	0.929771683	0.851673757	2.19265542
RIM Test	0.810104269	0.476467297	0.665740977	0.688637864	0.631429156	1.589398225
RM (Net Fuel)	0.307910399	0.260462256	0.304624643	0.322297813	0.261315453	1.322548308
Societal Test	1.116205139	0.628360318	0.898514215	0.929771683	0.851673757	2.19265542
Participant Test	0.973541819	0.95371817	0.973541819	0.973541819	0.973541819	0.99311612

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$38,2645	\$38,2645	100.00%
Total Cost / kWh Savings	\$0.0204	\$0.0204	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs			
Allocated Costs / kW Savings	\$0.0000	\$0.0000	
Allocated Costs / kWh Savings	\$0.0105	\$0.0105	51.26%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio
Utility (PAC) Test	\$124,954.83	\$40,000.00	\$84,954.83	3.12
TRC Test	\$186,071.40	\$166,700.00	\$19,371.40	1.12
RIM Test	\$124,954.83	\$154,245.37	(\$29,290.54)	0.81
RM (Net Fuel) Test	\$124,954.83	\$127,621.62	(\$2,666.80)	0.98
Societal Test	\$186,071.40	\$166,700.00	\$19,371.40	1.12
Participant Test	\$147,199.52	\$151,200.00	(\$4,000.48)	0.97

Participants	kWh	Summer MW	Winter kW	Generator
7	190,729	45,297	24,393	
	120,741	41,836	22,530	Meter

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$15,500.00	\$0.00	\$0.00	\$24,500.00	\$40,000.00

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$49,538.51	\$43,849.98	\$74,374.30	\$77,906.04	\$69,081.86	\$220,597.55
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$47,103.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$124,954.83	\$72,163.14	\$102,687.46	\$106,219.20	\$97,395.02	\$248,910.71
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Total	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	3.12	1.80	2.57	2.66	2.43	6.22
TRC Test						
Avoided Electric Production	\$73,087.61	\$64,694.92	\$109,729.58	\$114,940.20	\$101,921.27	\$325,462.92
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$72,931.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$186,071.40	\$104,747.66	\$149,782.32	\$154,992.94	\$141,974.02	\$365,515.66
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$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
Test Results	1.12	0.63	0.90	0.93	0.85	2.19
RIM Test						
Avoided Electric Production	\$49,538.51	\$43,849.98	\$74,374.30	\$77,906.04	\$69,081.86	\$220,597.55
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$47,103.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16	\$28,313.16
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$124,954.83	\$72,163.14	\$102,687.46	\$106,219.20	\$97,395.02	\$248,910.71
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Total	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$114,245.37	\$111,454.55	\$114,245.37	\$114,245.37	\$114,245.37	\$116,606.89
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$114,245.37	\$111,454.55	\$114,245.37	\$114,245.37	\$114,245.37	\$116,606.89
Net Fuel Loss Revenue (Electric)	\$87,621.62	\$85,459.14	\$87,621.62	\$87,621.62	\$87,621.62	\$89,469.16
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$87,621.62	\$85,459.14	\$87,621.62	\$87,621.62	\$87,621.62	\$89,469.16
Test Results	0.81	0.48	0.67	0.69	0.63	1.59
	0.98	0.58	0.80	0.83	0.76	1.92
Societal Test						
Avoided Electric Production	\$73,087.61	\$64,694.92	\$109,729.58	\$114,940.20	\$101,921.27	\$325,462.92
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$72,931.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74	\$40,052.74
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$186,071.40	\$104,747.66	\$149,782.32	\$154,992.94	\$141,974.02	\$365,515.66
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$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
Test Results	1.12	0.63	0.90	0.93	0.85	2.19
Participant Test						
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Participant Costs (gross)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$122,699.52	\$119,702.19	\$122,699.52	\$122,699.52	\$122,699.52	\$125,235.80
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$122,699.52	\$119,702.19	\$122,699.52	\$122,699.52	\$122,699.52	\$125,235.80
Test Results	0.97	0.95	0.97	0.97	0.97	0.99

	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UTC) Test						
Net Benefits	\$84,954.83	\$32,163.14	\$62,887.46	\$66,219.20	\$57,395.02	\$208,910.71
Levelized Cost (kW)	\$38,2645	\$38,2645	\$38,2645	\$38,2645	\$38,2645	\$38,2645
Levelized Cost (kWh)	\$0.0204	\$0.0209	\$0.0204	\$0.0204	\$0.0204	\$0.0200
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$19,371.40	-\$61,952.34	-\$16,917.68	-\$11,707.06	-\$24,725.98	\$198,815.66
Levelized Cost (kW)	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674
Levelized Cost (kWh)	\$0.0850	\$0.0871	\$0.0850	\$0.0850	\$0.0850	\$0.0834
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$29,290.54	-\$79,291.41	-\$51,557.91	-\$48,026.17	-\$56,850.34	\$92,303.82
Net Benefits (Net Fuel)	-\$2,666.80	-\$3,296.00	-\$24,934.16	-\$21,402.43	-\$30,226.60	\$119,441.55
Societal Test						
Net Benefits	\$19,371.40	-\$61,952.34	-\$16,917.68	-\$11,707.06	-\$24,725.98	\$198,815.66
Levelized Cost (kW)	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674
Levelized Cost (kWh)	\$0.0850	\$0.0871	\$0.0850	\$0.0850	\$0.0850	\$0.0834
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	-\$4,000.48	-\$6,997.81	-\$4,000.48	-\$4,000.48	-\$4,000.48	-\$1,464.20

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	1045.3549	1045.3549	1045.3549	1045.3549	1045.3549	1045.3549
kWh (Undiscounted)	1960831.7000	1914652.7108	1960931.7000	1960931.7000	1960931.7000	1998788.8205
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	1045.3549	1045.3549	1045.3549	1045.3549	1045.3549	1045.3549
kWh (Undiscounted)	1960931.7000	1914652.7108	196093			

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs			Total Participant Costs		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	Gross			Net Free Riders / Drop-Out		
							One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	7	0	7	0	7	7	\$151,200.00	\$0.00	\$151,200.00	\$151,200.00	\$0.00	\$151,200.00
2	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	7	0	7	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	7	0	105	0	105	105	\$151,200	\$0	\$151,200	\$151,200	\$0	\$151,200

Impacts and Savings (Losses Included)																		
Year	Electric Impacts/Savings																	
	Per Participant									Cumulative						Yearly Incremental (Per Participant * Incremental Participants)		
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	24	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	24
1	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
2	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
3	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
4	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
5	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
6	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
7	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
8	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
9	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
10	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
11	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
12	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
13	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
14	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
15	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0
Totals	280	280	1,133	1,133	280	280	1,133	1,133	27	27	45	45	24	24	1,960,932	1,960,932	0	0

Lost Revenue Dollars (Losses Included)										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel	Net Fuel	Net Fuel	
	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	
1	\$1,630.11	\$0.00	\$1,630.11	\$11,410.78	\$0.00	\$11,410.78	\$8,455.90	\$0.00	\$8,455.90	
2	\$1,695.32	\$0.00	\$1,695.32	\$11,967.21	\$0.00	\$11,967.21	\$8,912.33	\$0.00	\$8,912.33	
3	\$1,763.13	\$0.00	\$1,763.13	\$12,341.90	\$0.00	\$12,341.90	\$9,387.02	\$0.00	\$9,387.02	
4	\$1,780.76	\$0.00	\$1,780.76	\$12,465.31	\$0.00	\$12,465.31	\$9,510.44	\$0.00	\$9,510.44	
5	\$1,798.57	\$0.00	\$1,798.57	\$12,589.97	\$0.00	\$12,589.97	\$9,635.09	\$0.00	\$9,635.09	
6	\$1,816.55	\$0.00	\$1,816.55	\$12,715.87	\$0.00	\$12,715.87	\$9,760.99	\$0.00	\$9,760.99	
7	\$1,834.72	\$0.00	\$1,834.72	\$12,843.03	\$0.00	\$12,843.03	\$9,888.15	\$0.00	\$9,888.15	
8	\$1,853.07	\$0.00	\$1,853.07	\$12,971.46	\$0.00	\$12,971.46	\$10,016.58	\$0.00	\$10,016.58	
9	\$1,871.60	\$0.00	\$1,871.60	\$13,101.17	\$0.00	\$13,101.17	\$10,146.29	\$0.00	\$10,146.29	
10	\$1,890.31	\$0.00	\$1,890.31	\$13,232.18	\$0.00	\$13,232.18	\$10,277.30	\$0.00	\$10,277.30	
11	\$1,909.21	\$0.00	\$1,909.21	\$13,364.50	\$0.00	\$13,364.50	\$10,409.63	\$0.00	\$10,409.63	
12	\$1,928.31	\$0.00	\$1,928.31	\$13,498.15	\$0.00	\$13,498.15	\$10,543.27	\$0.00	\$10,543.27	
13	\$1,947.59	\$0.00	\$1,947.59	\$13,633.13	\$0.00	\$13,633.13	\$10,678.25	\$0.00	\$10,678.25	
14	\$1,967.07	\$0.00	\$1,967.07	\$13,769.46	\$0.00	\$13,769.46	\$10,814.58	\$0.00	\$10,814.58	
15	\$1,986.74	\$0.00	\$1,986.74	\$13,907.16	\$0.00	\$13,907.16	\$10,952.28	\$0.00	\$10,952.28	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$27,673.04	\$0.00	\$27,673.04	\$193,711.26	\$0.00	\$193,711.26	\$149,388.09	\$0.00	\$149,388.09	

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Utility Program Costs (Losses Included)											
Year	Overall Costs				Total	Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Financing	Other		\$/kW	\$/kWh (net)	\$/kWh (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$15,500.00	\$0.00	\$24,500.00	\$0.00	\$40,000.00	\$573.97	\$573.97	\$0.31	\$0.31	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$15,500.00	\$0.00	\$24,500.00	\$0.00	\$40,000.00	\$573.97	\$573.97	\$0.31	\$0.31	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Address/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total		
1	\$5,794.96	\$0.00	\$3,244.76	\$0.00	\$9,039.72	\$0.00	\$0.00	\$0.00		
2	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00	\$0.00		
3	\$6,904.51	\$0.00	\$3,280.59	\$0.00	\$10,185.10	\$0.00	\$0.00	\$0.00		
4	\$7,136.18	\$0.00	\$3,248.30	\$0.00	\$10,384.48	\$0.00	\$0.00	\$0.00		
5	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00	\$0.00		
6	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00	\$0.00		
7	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00	\$0.00		
8	\$8,173.88	\$0.00	\$3,099.63	\$0.00	\$11,273.51	\$0.00	\$0.00	\$0.00		
9	\$8,250.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00	\$0.00		
10	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00	\$0.00		
11	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00	\$0.00		
12	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00	\$0.00		
13	\$9,081.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00	\$0.00		
14	\$9,353.50	\$0.00	\$2,932.16	\$0.00	\$12,285.66	\$0.00	\$0.00	\$0.00		
15	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$120,238.35	\$0.00	\$46,496.13	\$0.00	\$166,734.48	\$0.00	\$0.00	\$0.00		

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Address/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total		
1	\$5,794.96	\$0.00	\$3,244.76	\$0.00	\$9,039.72	\$0.00	\$0.00	\$0.00		
2	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00	\$0.00		
3	\$6,904.51	\$0.00	\$3,280.59	\$0.00	\$10,185.10	\$0.00	\$0.00	\$0.00		
4	\$7,136.18	\$0.00	\$3,248.30	\$0.00	\$10,384.48	\$0.00	\$0.00	\$0.00		
5	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00	\$0.00		
6	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00	\$0.00		
7	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00	\$0.00		
8	\$8,173.88	\$0.00	\$3,099.63	\$0.00	\$11,273.51	\$0.00	\$0.00	\$0.00		
9	\$8,250.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00	\$0.00		
10	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00	\$0.00		
11	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00	\$0.00		
12	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00	\$0.00		
13	\$9,081.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00	\$0.00		
14	\$9,353.50	\$0.00	\$2,932.16	\$0.00	\$12,285.66	\$0.00	\$0.00	\$0.00		
15	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00		

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)										
Year	Cumulative Electric					Cumulative Gas				
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total		
1	\$4,155.56	\$2,287.49	\$3,244.76	\$0.00	\$9,687.81	\$0.00	\$0.00	\$0.00		
2	\$4,885.27	\$2,400.51	\$3,282.30	\$0.00	\$10,568.07	\$0.00	\$0.00	\$0.00		
3	\$4,951.21	\$2,485.66	\$3,280.59	\$0.00	\$10,697.46	\$0.00	\$0.00	\$0.00		
4	\$5,118.78	\$2,500.39	\$3,248.30	\$0.00	\$10,867.46	\$0.00	\$0.00	\$0.00		
5	\$5,374.99	\$7,062.62	\$3,209.86	\$0.00	\$15,647.47	\$0.00	\$0.00	\$0.00		
6	\$5,579.30	\$7,062.62	\$3,171.67	\$0.00	\$15,813.59	\$0.00	\$0.00	\$0.00		
7	\$5,723.08	\$7,062.62	\$3,135.07	\$0.00	\$15,920.78	\$0.00	\$0.00	\$0.00		
8	\$5,865.78	\$7,062.62	\$3,099.63	\$0.00	\$16,028.03	\$0.00	\$0.00	\$0.00		
9	\$5,916.59	\$7,062.62	\$3,063.98	\$0.00	\$16,043.19	\$0.00	\$0.00	\$0.00		
10	\$6,063.61	\$7,062.62	\$3,029.04	\$0.00	\$16,155.27	\$0.00	\$0.00	\$0.00		
11	\$6,130.21	\$7,062.62	\$2,994.35	\$0.00	\$16,195.18	\$0.00	\$0.00	\$0.00		
12	\$6,322.35	\$7,062.62	\$2,959.93	\$0.00	\$16,344.90	\$0.00	\$0.00	\$0.00		
13	\$6,512.02	\$7,062.62	\$2,926.22	\$0.00	\$16,500.86	\$0.00	\$0.00	\$0.00		
14	\$6,707.38	\$7,062.62	\$2,932.16	\$0.00	\$16,702.17	\$0.00	\$0.00	\$0.00		
15	\$6,908.61	\$7,062.62	\$2,938.28	\$0.00	\$16,909.51	\$0.00	\$0.00	\$0.00		
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
Totals	\$86,222.76	\$87,362.88	\$46,496.13	\$0.00	\$220,081.77	\$220,081.77	\$0.00	\$0.00		

08 Aggregation Results - 2018 - Sect=COMM-EEP - Tech=DRP.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.186885693	4.956469029	7.589988805	7.892228338	7.111392852	20.34696502
TRC Test	4.625514643	3.143118095	4.827875363	5.021293043	4.521747442	12.98930811
RIM Test	0.767271736	0.539350113	0.810319956	0.842697547	0.759233251	2.138894428
RM (Net Fuel)	1.064027184	0.740303211	1.123725049	1.168468655	1.052879687	2.972212946
Societal Test	4.625514643	3.143118095	4.827875363	5.021293043	4.521747442	12.98930811
Participant Test	4.688718244	4.597448005	4.688718244	4.688718244	4.688718244	4.764315256

Present Values (PVs) of Costs and Benefits Per Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$345,456.35	\$308,107.17	\$516,148.12	\$540,032.16	\$478,346.15	\$1,523,956.38
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$138,837.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$567,748.17	\$391,561.05	\$599,602.01	\$623,486.04	\$561,800.04	\$1,607,410.24
Administration Costs	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00
Total	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	7.19	4.96	7.59	7.89	7.11	20.35
TRC Test						
Avoided Electric Production	\$509,675.81	\$454,571.96	\$761,509.26	\$796,747.04	\$705,737.38	\$2,248,398.91
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$214,966.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$842,698.83	\$572,628.59	\$879,565.89	\$914,803.67	\$823,794.02	\$2,366,455.54
Administration Costs	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88
Participant Tax Credits (gross)	\$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
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	4.63	3.14	4.83	5.02	4.52	12.99
RIM Test						
Avoided Electric Production	\$345,456.35	\$308,107.17	\$516,148.12	\$540,032.16	\$478,346.15	\$1,523,956.38
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$138,837.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88	\$83,453.88
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$567,748.17	\$391,561.05	\$599,602.01	\$623,486.04	\$561,800.04	\$1,607,410.24
Administration Costs	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00
Total	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00	\$79,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$660,957.10	\$646,980.19	\$660,957.10	\$660,957.10	\$660,957.10	\$672,533.85
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$660,957.10	\$646,980.19	\$660,957.10	\$660,957.10	\$660,957.10	\$672,533.85
Net Fuel Loss Revenue (Electric)	\$454,584.27	\$445,853.88	\$454,584.27	\$454,584.27	\$454,584.27	\$461,812.63
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$454,584.27	\$445,853.88	\$454,584.27	\$454,584.27	\$454,584.27	\$461,812.63
Test Results	0.77	0.54	0.81	0.84	0.76	2.14
Societal Test	1.06	0.75	1.12	1.17	1.05	2.97
Participant Test						
Avoided Electric Production	\$509,675.81	\$454,571.96	\$761,509.26	\$796,747.04	\$705,737.38	\$2,248,398.91
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$214,966.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63	\$118,056.63
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$842,698.83	\$572,628.59	\$879,565.89	\$914,803.67	\$823,794.02	\$2,366,455.54
Administration Costs	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00	\$17,715.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88
Participant Tax Credits (gross)	\$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
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00	\$61,285.00
Participant Costs (gross)	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88	\$164,469.88
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$709,867.93	\$694,856.72	\$709,867.93	\$709,867.93	\$709,867.93	\$722,301.36
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$709,867.93	\$694,856.72	\$709,867.93	\$709,867.93	\$709,867.93	\$722,301.36
Test Results	4.69	4.60	4.69	4.69	4.69	4.76

Present Values (PVs) of Impacts	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120
kWh (Discounted)	15200081.5625	14813656.1317	15200081.5625	15200081.5625	15200081.5625	15202055.7977
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120
kWh (Undiscounted)	15200081.5625	14813656.1317	15200081.5625	15200081.5625	15200081.5625	15202055.7977
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Cost of Conserved kWh, kW, and CCF	100% Allocation	Nominal			% Allocation
		Levelized	Levelized	Levelized	
Total Costs / kWh Savings		\$19.7233	\$19.7233	100.00%	
Total Cost / kWh Savings		\$0.0052	\$0.0052	100.00%	
Total Costs / CCF Savings		\$0.0000	\$0.0000	100.00%	
Allocated By Cost-Based Avoided Costs		\$0.0000	\$0.0000		
Allocated Costs / kWh Savings		\$5.6543	\$5.6543	28.67%	
Allocated Costs / CCF Savings		\$0.0037	\$0.0037	71.33%	
		\$0.0000	\$0.0000	0.00%	

Utility (PAC/TC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$488,748.17	\$312,561.05	\$520,602.01	\$544,486.04	\$482,800.04	\$1,528,410.24
Levelized Cost (kW)	\$19.7233	\$19.7233	\$19.7233	\$19.7233	\$19.7233	\$19.7233
Levelized Cost (kWh)	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052	\$0.0052
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$660,513.95	\$390,443.71	\$697,381.01	\$732,618.79	\$641,609.14	\$2,184,270.66
Levelized Cost (kW)	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947
Levelized Cost (kWh)	\$0.0120	\$0.0120	\$0.0120	\$0.0120	\$0.0120	\$0.0120
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$172,208.93	-\$334,419.13	-\$140,355.10	-\$116,471.06	-\$178,157.07	\$855,876.38
Net Benefits (Net Fuel)	\$34,163.90	-\$133,292.83	\$66,017.74	\$89,901.77	\$28,215.77	\$1,066,697.61
Societal Test						
Net Benefits	\$660,513.95	\$390,443.71	\$697,381.01	\$732,618.79	\$641,609.14	\$2,184,270.66
Levelized Cost (kW)	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947
Levelized Cost (kWh)	\$0.0120	\$0.0120	\$0.0120	\$0.0120	\$0.0120	\$0.0120
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$606,683.05	\$591,671.84	\$606,683.05	\$606,683.05	\$606,683.05	\$619,11

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total	Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Training	Other		\$/kW	\$/kWh (net)	\$/kWh (net)	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$17,715.00	\$0.00	\$61,285.00	\$0.00	\$79,000.00	\$295.85	\$295.85	\$0.08	\$0.08	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$17,715.00	\$0.00	\$61,285.00	\$0.00	\$79,000.00	\$295.85	\$295.85	\$0.08	\$0.08	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric				Total	Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary		Gas Distribution	Gas Commodity	Total
1	\$40,126.28	\$0.00	\$9,564.02	\$0.00	\$49,690.30	\$0.00	\$0.00	\$0.00
2	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$0.00	\$0.00
3	\$47,809.15	\$0.00	\$9,610.68	\$0.00	\$57,419.83	\$0.00	\$0.00	\$0.00
4	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$0.00	\$0.00
5	\$51,901.11	\$0.00	\$9,461.17	\$0.00	\$61,362.28	\$0.00	\$0.00	\$0.00
6	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$0.00	\$0.00
7	\$55,252.37	\$0.00	\$9,240.72	\$0.00	\$64,503.08	\$0.00	\$0.00	\$0.00
8	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$0.00	\$0.00
9	\$57,130.89	\$0.00	\$9,031.17	\$0.00	\$66,162.06	\$0.00	\$0.00	\$0.00
10	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$0.00	\$0.00
11	\$59,270.82	\$0.00	\$8,825.94	\$0.00	\$68,096.76	\$0.00	\$0.00	\$0.00
12	\$61,046.94	\$0.00	\$8,724.47	\$0.00	\$69,771.41	\$0.00	\$0.00	\$0.00
13	\$62,880.41	\$0.00	\$8,625.11	\$0.00	\$71,505.52	\$0.00	\$0.00	\$0.00
14	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$0.00	\$0.00
15	\$66,709.83	\$0.00	\$8,660.68	\$0.00	\$75,370.50	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$832,570.99	\$0.00	\$137,048.72	\$0.00	\$969,619.71	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value								
Year	Cumulative Electric				Total	Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary		Gas Distribution	Gas Commodity	Total
1	\$40,126.28	\$0.00	\$9,564.02	\$0.00	\$49,690.30	\$0.00	\$0.00	\$0.00
2	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$0.00	\$0.00
3	\$47,809.15	\$0.00	\$9,610.68	\$0.00	\$57,419.83	\$0.00	\$0.00	\$0.00
4	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$0.00	\$0.00
5	\$51,901.11	\$0.00	\$9,461.17	\$0.00	\$61,362.28	\$0.00	\$0.00	\$0.00
6	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$0.00	\$0.00
7	\$55,252.37	\$0.00	\$9,240.72	\$0.00	\$64,503.08	\$0.00	\$0.00	\$0.00
8	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$0.00	\$0.00
9	\$57,130.89	\$0.00	\$9,031.17	\$0.00	\$66,162.06	\$0.00	\$0.00	\$0.00
10	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$0.00	\$0.00
11	\$59,270.82	\$0.00	\$8,825.94	\$0.00	\$68,096.76	\$0.00	\$0.00	\$0.00
12	\$61,046.94	\$0.00	\$8,724.47	\$0.00	\$69,771.41	\$0.00	\$0.00	\$0.00
13	\$62,880.41	\$0.00	\$8,625.11	\$0.00	\$71,505.52	\$0.00	\$0.00	\$0.00
14	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$0.00	\$0.00
15	\$66,709.83	\$0.00	\$8,660.68	\$0.00	\$75,370.50	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric				Total	Cumulative Gas		
	Energy	Capacity	T&D	Auxiliary		Gas Distribution	Gas Commodity	Total
1	\$28,978.76	\$6,742.44	\$9,564.02	\$0.00	\$45,285.22	\$0.00	\$0.00	\$0.00
2	\$34,067.38	\$7,075.56	\$9,674.67	\$0.00	\$50,817.61	\$0.00	\$0.00	\$0.00
3	\$34,527.24	\$7,326.57	\$9,610.68	\$0.00	\$51,464.49	\$0.00	\$0.00	\$0.00
4	\$35,695.74	\$7,369.96	\$9,574.46	\$0.00	\$52,640.16	\$0.00	\$0.00	\$0.00
5	\$37,482.41	\$20,817.28	\$9,461.17	\$0.00	\$67,760.87	\$0.00	\$0.00	\$0.00
6	\$38,907.23	\$20,817.28	\$9,348.58	\$0.00	\$69,073.10	\$0.00	\$0.00	\$0.00
7	\$39,909.87	\$20,817.28	\$9,240.72	\$0.00	\$69,967.88	\$0.00	\$0.00	\$0.00
8	\$40,904.98	\$20,817.28	\$9,136.25	\$0.00	\$70,858.51	\$0.00	\$0.00	\$0.00
9	\$41,259.30	\$20,817.28	\$9,031.17	\$0.00	\$71,107.76	\$0.00	\$0.00	\$0.00
10	\$42,284.57	\$20,817.28	\$8,928.18	\$0.00	\$72,030.03	\$0.00	\$0.00	\$0.00
11	\$42,804.74	\$20,817.28	\$8,825.94	\$0.00	\$72,447.96	\$0.00	\$0.00	\$0.00
12	\$44,088.88	\$20,817.28	\$8,724.47	\$0.00	\$73,630.63	\$0.00	\$0.00	\$0.00
13	\$45,411.54	\$20,817.28	\$8,625.11	\$0.00	\$74,853.94	\$0.00	\$0.00	\$0.00
14	\$46,773.89	\$20,817.28	\$8,642.63	\$0.00	\$76,233.80	\$0.00	\$0.00	\$0.00
15	\$46,177.11	\$20,817.28	\$8,660.68	\$0.00	\$77,655.07	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$601,273.65	\$257,504.65	\$137,048.72	\$0.00	\$995,827.02	\$995,827.02	\$0.00	\$0.00

09 Aggregation Results - 2018 - Sect=COMMEEP - Tech=GSPH.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	7.0699066	5.31006471	7.64584755	7.916103348	7.240859367	18.83514672
TRC Test	2.054708273	1.52308919	2.203371609	2.282081953	2.085421285	5.462186375
RIM Test	0.732919893	0.561835588	0.792519133	0.820591067	0.750539729	1.920216885
RM (Net Fuel)	0.323999116	0.711009558	1.004679715	1.040191869	0.951463455	2.435268814
Societal Test	2.054708273	1.52308919	2.203371609	2.282081953	2.085421285	5.462186375
Participant Test	2.068341227	2.025216241	2.068341227	2.068341227	2.068341227	2.103790845

Cost of Conserved kWh, kW, and CCF				
100% Allocation		Nominal	Levelized	% Allocation
		\$15,1488	\$15,1488	100.00%
Total Costs / kW Savings	\$0.0067	\$0.0067	100.00%	
Total Costs / kWh Savings	\$0.0000	\$0.0000	100.00%	
Allocated By Cost-Based Avoided Costs				
Allocated Costs / kW Savings	\$3,9228	\$3,9228	25.89%	
Allocated Costs / kWh Savings	\$0.0049	\$0.0049	74.11%	
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%	

NET BENEFITS					
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
Utility (PAC) Test	\$516,103.18	\$73,000.00	\$443,103.18	7.07	TRC Test
TRC Test	\$759,831.12	\$369,800.00	\$390,031.12	2.05	RIM Test
RIM Test	\$516,103.18	\$704,270.16	(\$188,166.98)	0.73	RM (Net Fuel) Test
RM (Net Fuel) Test	\$516,103.18	\$555,547.07	(\$39,443.89)	0.93	Societal Test
Societal Test	\$759,831.12	\$369,800.00	\$390,031.12	2.05	Participant Test
Participant Test	\$737,984.15	\$356,800.00	\$381,184.15	2.07	

Present Values (PVs) of Costs and Benefits Per Test						
Utility (PAC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$276,727.45	\$244,950.70	\$415,462.84	\$435,191.52	\$385,898.70	\$1,232,281.68
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$86,691.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$516,103.18	\$387,634.73	\$558,146.87	\$577,875.54	\$528,582.73	\$1,374,965.71
Administration Costs	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00
Total	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	7.07	5.31	7.65	7.92	7.24	18.84
TRC Test	\$408,275.27	\$361,392.82	\$612,961.25	\$642,068.34	\$569,343.22	\$1,818,070.96
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$149,710.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$759,831.12	\$563,238.38	\$814,806.82	\$843,913.91	\$771,188.79	\$2,019,916.52
Administration Costs	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00
Participant Tax Credits (gross)	\$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
Test Results	2.05	1.52	2.20	2.28	2.09	5.46
RIM Test	\$276,727.45	\$244,950.70	\$415,462.84	\$435,191.52	\$385,898.70	\$1,232,281.68
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$86,691.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03	\$142,684.03
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$516,103.18	\$387,634.73	\$558,146.87	\$577,875.54	\$528,582.73	\$1,374,965.71
Administration Costs	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00
Total	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00	\$73,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$631,270.16	\$616,943.35	\$631,270.16	\$631,270.16	\$631,270.16	\$643,047.09
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$631,270.16	\$616,943.35	\$631,270.16	\$631,270.16	\$631,270.16	\$643,047.09
Net Fuel Loss Revenue (Electric)	\$482,547.07	\$471,730.20	\$482,547.07	\$482,547.07	\$482,547.07	\$491,452.80
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$482,547.07	\$471,730.20	\$482,547.07	\$482,547.07	\$482,547.07	\$491,452.80
Test Results	0.73	0.56	0.79	0.82	0.75	1.92
	0.93	0.71	1.00	1.04	0.95	2.44
Societal Test	\$408,275.27	\$361,392.82	\$612,961.25	\$642,068.34	\$569,343.22	\$1,818,070.96
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$149,710.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57	\$201,845.57
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$759,831.12	\$563,238.38	\$814,806.82	\$843,913.91	\$771,188.79	\$2,019,916.52
Administration Costs	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00
Participant Tax Credits (gross)	\$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
Test Results	2.05	1.52	2.20	2.28	2.09	5.46
Participant Test	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00
Participant Costs (gross)	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00	\$356,800.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$677,984.15	\$662,597.15	\$677,984.15	\$677,984.15	\$677,984.15	\$690,632.57
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$677,984.15	\$662,597.15	\$677,984.15	\$677,984.15	\$677,984.15	\$690,632.57
Test Results	2.07	2.03	2.07	2.07	2.07	2.10

Utility (PAC/UTC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$443,103.18	\$314,634.73	\$485,146.87	\$504,875.54	\$455,822.73	\$1,301,965.71
Levelized Cost (kW)	\$15,1488	\$15,1488	\$15,1488	\$15,1488	\$15,1488	\$15,1488
Levelized Cost (kWh)	\$0.0067	\$0.0068	\$0.0067	\$0.0067	\$0.0067	\$0.0065
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test	\$390,031.12	\$193,438.38	\$445,006.82	\$474,113.91	\$401,388.79	\$1,650,116.52
Net Benefits	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403
Levelized Cost (kW)	\$0.0338	\$0.0346	\$0.0338	\$0.0338	\$0.0338	\$0.0331
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test	-\$188,166.98	-\$302,308.62	-\$146,123.29	-\$126,394.61	-\$175,687.42	\$658,918.62
Net Benefits (Net Fuel)	-\$39,443.89	-\$157,095.47	\$2,599.80	\$22,328.48	-\$26,964.34	\$810,512.91
Societal Test	\$390,031.12	\$193,438.38	\$445,006.82	\$474,113.91	\$401,388.79	\$1,650,116.52
Net Benefits	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403
Levelized Cost (kW)	\$0.0338	\$0.0346	\$0.0338	\$0.0338	\$0.0338	\$0.0331
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test	\$381,184.15	\$365,797.15	\$381,184.15	\$381,184.15	\$381,184.15	\$393,832.57
Net Benefits	\$381,184.15	\$365,797.15	\$381,184.15	\$381,184.15	\$381,184.15	\$393,832.57

Participants	kWh	Summer kWh		Generator Meter
		82,984	228,273	
16				

Participation and Total Participant Costs							Total Participant Costs			Total Participant Costs		
Year	Participation						Gross			Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative (net Free/ Drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	16	0	16	0	16	16	\$356,800.00	\$0.00	\$356,800.00	\$356,800.00	\$0.00	\$356,800.00
2	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	16	0	16	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	16	0	240	0	240	240	\$356,800	\$0	\$356,800	\$356,800	\$0	\$356,800

Impacts and Savings (Losses Included)																				
Year	Per Participant										Cumulative					Yearly Incremental (Per Participant * Incremental Participants)				
	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)
1	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
2	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
3	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
4	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
5	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
6	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
7	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
8	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
9	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
10	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
11	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
12	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
13	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
14	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
15	6,457	6,457	5,811	5,811	14,267	14,267	45,641.57	45,641.57	103	103	93	228	228	228	730,265	730,265	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
Totals	6,457	6,457	5,811	5,811	14,267	14,267	684,623	684,623	103	103	93	228	228	228	10,953,976	10,953,976	0	0	0	0

Lost Revenue Dollars (Losses Included)										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total	Net Fuel Total
1	\$3,940.89	\$0.00	\$3,940.89	\$63,050.98	\$0.00	\$63,050.98	\$46,544.71	\$0.00	\$46,544.71	\$46,544.71
2	\$4,098.31	\$0.00	\$4,098.31	\$65,573.02	\$0.00	\$65,573.02	\$49,066.75	\$0.00	\$49,066.75	\$49,066.75
3	\$4,262.25	\$0.00	\$4,262.25	\$68,195.94	\$0.00	\$68,195.94	\$51,689.67	\$0.00	\$51,689.67	\$51,689.67
4	\$4,304.87	\$0.00	\$4,304.87	\$68,877.90	\$0.00	\$68,877.90	\$52,371.63	\$0.00	\$52,371.63	\$52,371.63
5	\$4,347.92	\$0.00	\$4,347.92	\$69,566.68	\$0.00	\$69,566.68	\$53,060.41	\$0.00	\$53,060.41	\$53,060.41
6	\$4,391.40	\$0.00	\$4,391.40	\$70,262.35	\$0.00	\$70,262.35	\$53,756.08	\$0.00	\$53,756.08	\$53,756.08
7	\$4,435.31	\$0.00	\$4,435.31	\$70,964.97	\$0.00	\$70,964.97	\$54,458.70	\$0.00	\$54,458.70	\$54,458.70
8	\$4,479.66	\$0.00	\$4,479.66	\$71,674.62	\$0.00	\$71,674.62	\$55,168.35	\$0.00	\$55,168.35	\$55,168.35
9	\$4,524.48	\$0.00	\$4,524.48	\$72,391.36	\$0.00	\$72,391.36	\$55,885.09	\$0.00	\$55,885.09	\$55,885.09
10	\$4,569.70	\$0.00	\$4,569.70	\$73,115.28	\$0.00	\$73,115.28	\$56,609.01	\$0.00	\$56,609.01	\$56,609.01
11	\$4,615.40	\$0.00	\$4,615.40	\$73,846.43	\$0.00	\$73,846.43	\$57,340.16	\$0.00	\$57,340.16	\$57,340.16
12	\$4,661.56	\$0.00	\$4,661.56	\$74,584.90	\$0.00	\$74,584.90	\$58,078.63	\$0.00	\$58,078.63	\$58,078.63
13	\$4,708.17	\$0.00	\$4,708.17	\$75,330.74	\$0.00	\$75,330.74	\$58,824.47	\$0.00	\$58,824.47	\$58,824.47
14	\$4,755.25	\$0.00	\$4,755.25	\$76,084.05	\$0.00	\$76,084.05	\$59,577.78	\$0.00	\$59,577.78	\$59,577.78
15	\$4,802.81	\$0.00	\$4,802.81	\$76,844.89	\$0.00	\$76,844.89	\$60,338.62	\$0.00	\$60,338.62	\$60,338.62
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$66,897.76	\$0.00	\$66,897.76	\$1,070,364.11	\$0.00	\$1,070,364.11	\$822,770.06	\$0.00	\$822,770.06	\$822,770.06

09 Aggregation Results - 2018 - Sect=COMM-EEP - Tech=GSPH.xlsx

Utility Program Costs (Losses Included)												
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved							
	Administration	Implementation	Facilities	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$13,000.00	\$0.00	\$60,000.00	\$0.00	\$73,000.00	\$227.23	\$227.23	\$0.10	\$0.10	\$0.00	\$0.00	
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$13,000.00	\$0.00	\$60,000.00	\$0.00	\$73,000.00	\$227.23	\$227.23	\$0.10	\$0.10	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$32,371.29	\$0.00	\$16,351.94	\$0.00	\$48,723.22	\$0.00	\$0.00	\$0.00	\$0.00
2	\$38,055.63	\$0.00	\$16,541.11	\$0.00	\$54,596.74	\$0.00	\$0.00	\$0.00	\$0.00
3	\$38,569.33	\$0.00	\$16,431.71	\$0.00	\$55,001.04	\$0.00	\$0.00	\$0.00	\$0.00
4	\$39,874.62	\$0.00	\$16,369.80	\$0.00	\$56,244.42	\$0.00	\$0.00	\$0.00	\$0.00
5	\$41,870.46	\$0.00	\$16,176.09	\$0.00	\$58,046.55	\$0.00	\$0.00	\$0.00	\$0.00
6	\$43,462.07	\$0.00	\$15,983.60	\$0.00	\$59,445.67	\$0.00	\$0.00	\$0.00	\$0.00
7	\$44,582.10	\$0.00	\$15,799.18	\$0.00	\$60,381.28	\$0.00	\$0.00	\$0.00	\$0.00
8	\$45,693.70	\$0.00	\$15,620.56	\$0.00	\$61,314.26	\$0.00	\$0.00	\$0.00	\$0.00
9	\$46,089.50	\$0.00	\$15,440.91	\$0.00	\$61,530.42	\$0.00	\$0.00	\$0.00	\$0.00
10	\$47,234.79	\$0.00	\$15,264.82	\$0.00	\$62,499.61	\$0.00	\$0.00	\$0.00	\$0.00
11	\$47,915.86	\$0.00	\$15,090.02	\$0.00	\$62,905.88	\$0.00	\$0.00	\$0.00	\$0.00
12	\$49,250.33	\$0.00	\$14,916.53	\$0.00	\$64,166.86	\$0.00	\$0.00	\$0.00	\$0.00
13	\$50,727.84	\$0.00	\$14,746.65	\$0.00	\$65,474.49	\$0.00	\$0.00	\$0.00	\$0.00
14	\$52,249.68	\$0.00	\$14,776.61	\$0.00	\$67,026.29	\$0.00	\$0.00	\$0.00	\$0.00
15	\$53,817.17	\$0.00	\$14,807.46	\$0.00	\$68,624.63	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$671,664.37	\$0.00	\$234,317.00	\$0.00	\$905,981.37	\$0.00	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$32,371.29	\$0.00	\$16,351.94	\$0.00	\$48,723.22	\$0.00	\$0.00	\$0.00	\$0.00
2	\$38,055.63	\$0.00	\$16,541.11	\$0.00	\$54,596.74	\$0.00	\$0.00	\$0.00	\$0.00
3	\$38,569.33	\$0.00	\$16,431.71	\$0.00	\$55,001.04	\$0.00	\$0.00	\$0.00	\$0.00
4	\$39,874.62	\$0.00	\$16,369.80	\$0.00	\$56,244.42	\$0.00	\$0.00	\$0.00	\$0.00
5	\$41,870.46	\$0.00	\$16,176.09	\$0.00	\$58,046.55	\$0.00	\$0.00	\$0.00	\$0.00
6	\$43,462.07	\$0.00	\$15,983.60	\$0.00	\$59,445.67	\$0.00	\$0.00	\$0.00	\$0.00
7	\$44,582.10	\$0.00	\$15,799.18	\$0.00	\$60,381.28	\$0.00	\$0.00	\$0.00	\$0.00
8	\$45,693.70	\$0.00	\$15,620.56	\$0.00	\$61,314.26	\$0.00	\$0.00	\$0.00	\$0.00
9	\$46,089.50	\$0.00	\$15,440.91	\$0.00	\$61,530.42	\$0.00	\$0.00	\$0.00	\$0.00
10	\$47,234.79	\$0.00	\$15,264.82	\$0.00	\$62,499.61	\$0.00	\$0.00	\$0.00	\$0.00
11	\$47,915.86	\$0.00	\$15,090.02	\$0.00	\$62,905.88	\$0.00	\$0.00	\$0.00	\$0.00
12	\$49,250.33	\$0.00	\$14,916.53	\$0.00	\$64,166.86	\$0.00	\$0.00	\$0.00	\$0.00
13	\$50,727.84	\$0.00	\$14,746.65	\$0.00	\$65,474.49	\$0.00	\$0.00	\$0.00	\$0.00
14	\$52,249.68	\$0.00	\$14,776.61	\$0.00	\$67,026.29	\$0.00	\$0.00	\$0.00	\$0.00
15	\$53,817.17	\$0.00	\$14,807.46	\$0.00	\$68,624.63	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$23,213.41	\$4,695.68	\$16,351.94	\$0.00	\$44,261.02	\$0.00	\$0.00	\$0.00	\$0.00
2	\$27,289.64	\$4,927.67	\$16,541.11	\$0.00	\$48,758.43	\$0.00	\$0.00	\$0.00	\$0.00
3	\$27,659.01	\$5,102.48	\$16,431.71	\$0.00	\$49,192.21	\$0.00	\$0.00	\$0.00	\$0.00
4	\$28,594.04	\$5,132.70	\$16,369.80	\$0.00	\$50,096.54	\$0.00	\$0.00	\$0.00	\$0.00
5	\$30,025.25	\$14,497.90	\$16,176.09	\$0.00	\$60,699.24	\$0.00	\$0.00	\$0.00	\$0.00
6	\$31,166.59	\$14,497.90	\$15,983.60	\$0.00	\$61,648.10	\$0.00	\$0.00	\$0.00	\$0.00
7	\$31,969.76	\$14,497.90	\$15,799.18	\$0.00	\$62,266.84	\$0.00	\$0.00	\$0.00	\$0.00
8	\$32,766.89	\$14,497.90	\$15,620.56	\$0.00	\$62,885.35	\$0.00	\$0.00	\$0.00	\$0.00
9	\$33,050.72	\$14,497.90	\$15,440.91	\$0.00	\$62,989.53	\$0.00	\$0.00	\$0.00	\$0.00
10	\$33,872.01	\$14,497.90	\$15,264.82	\$0.00	\$63,634.73	\$0.00	\$0.00	\$0.00	\$0.00
11	\$34,286.69	\$14,497.90	\$15,090.02	\$0.00	\$63,876.61	\$0.00	\$0.00	\$0.00	\$0.00
12	\$35,317.35	\$14,497.90	\$14,916.53	\$0.00	\$64,731.78	\$0.00	\$0.00	\$0.00	\$0.00
13	\$36,376.87	\$14,497.90	\$14,746.65	\$0.00	\$65,621.42	\$0.00	\$0.00	\$0.00	\$0.00
14	\$37,468.18	\$14,497.90	\$14,776.61	\$0.00	\$66,742.68	\$0.00	\$0.00	\$0.00	\$0.00
15	\$38,592.22	\$14,497.90	\$14,807.46	\$0.00	\$67,897.58	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$481,649.63	\$179,335.45	\$234,317.00	\$0.00	\$895,302.07	\$895,302.07	\$0.00	\$0.00	\$0.00

10 Aggregation Results - 2018 - Sects-COMM-EEP - Tech=LTG.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
Utility (PAC) Test	4,924,223,729	3,119,209,916	4,578,182,515	4,745,682,114	4,313,082,886	11,645,867,732
TRC Test	2,494,194,928	1,549,771,519	2,285,339,082	2,369,785,533	2,151,683,17	5,846,632,926
RIM Test	0,940,089,024	0,541,118,913	0,780,978,929	0,809,517,724	0,735,759,115	1,959,987,616
RM (Net Fuel)	1,118,281,355	0,715,337,974	1,038,696,701	1,077,349,172	0,373,949,293	2,814,666,955
Societal Test	2,494,194,928	1,549,771,519	2,285,339,082	2,369,785,533	2,151,683,17	5,846,632,926
Participant Test	2,265,526,236	2,225,593,271	2,265,526,236	2,265,526,236	2,265,526,236	2,298,723,178

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$307,677.69	\$274,412.97	\$459,702.83	\$480,974.94	\$426,034.84	\$1,357,298.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$195,972.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$625,376.41	\$396,139.66	\$581,429.52	\$602,701.63	\$547,761.53	\$1,479,025.15
Administration Costs	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00
Total	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	4.92	3.12	4.58	4.75	4.31	11.65

TRC Test						
Avoided Electric Production	\$445,988.80	\$397,770.50	\$666,354.17	\$697,188.78	\$617,551.32	\$1,967,448.16
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$296,626.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$910,725.35	\$565,880.47	\$834,464.14	\$865,298.75	\$785,661.29	\$2,135,558.13
Administration Costs	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00
Participant Tax Credits (gross)	\$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
Test Results	2.49	1.55	2.29	2.37	2.15	5.85

RIM Test						
Avoided Electric Production	\$307,677.69	\$274,412.97	\$459,702.83	\$480,974.94	\$426,034.84	\$1,357,298.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$195,972.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69	\$121,726.69
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$625,376.41	\$396,139.66	\$581,429.52	\$602,701.63	\$547,761.53	\$1,479,025.15
Administration Costs	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00
Total	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00	\$127,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Fuel Loss Revenue (Electric)	\$617,488.10	\$604,980.07	\$617,488.10	\$617,488.10	\$617,488.10	\$627,848.22
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$617,488.10	\$604,980.07	\$617,488.10	\$617,488.10	\$617,488.10	\$627,848.22
Net Fuel Loss Revenue (Electric)	\$432,229.94	\$424,431.65	\$432,229.94	\$432,229.94	\$432,229.94	\$438,686.56
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$432,229.94	\$424,431.65	\$432,229.94	\$432,229.94	\$432,229.94	\$438,686.56
Test Results	0.94	0.54	0.78	0.81	0.74	1.96
1.12	0.72	1.04	1.08	0.98	2.61	

Societal Test						
Avoided Electric Production	\$445,988.80	\$397,770.50	\$666,354.17	\$697,188.78	\$617,551.32	\$1,967,448.16
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$296,626.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97	\$168,109.97
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$910,725.35	\$565,880.47	\$834,464.14	\$865,298.75	\$785,661.29	\$2,135,558.13
Administration Costs	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00	\$29,292.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00
Participant Tax Credits (gross)	\$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
Test Results	2.49	1.55	2.29	2.37	2.15	5.85

Participant Test						
Incentives	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00	\$97,708.00
Participant Costs (gross)	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00	\$335,846.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$663,182.22	\$649,748.60	\$663,182.22	\$663,182.22	\$663,182.22	\$674,308.98
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$663,182.22	\$649,748.60	\$663,182.22	\$663,182.22	\$663,182.22	\$674,308.98
Test Results	2.27	2.23	2.27	2.27	2.27	2.30

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	5621.3871	5621.3871	5621.3871	5621.3871	5621.3871	5621.3871
kWh (Discounted)	13325157.1187	12986397.1220	13325157.1187	13325157.1187	13325157.1187	13605925.6454
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	5621.3871	5621.3871	5621.3871	5621.3871	5621.3871	5621.3871
kWh (Undiscounted)	13325157.1187	12986397.1220	13325157.1187	13325157.1187	13325157.1187	13605925.6454
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$22,5923	\$22,5923	100.00%
Total Costs / kWh Savings	\$0.0095	\$0.0095	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0.0000	\$0.0000	
Allocated Costs / kW Savings	\$8,7907	\$8,7907	38.91%
Allocated Costs / kWh Savings	\$0.0058	\$0.0058	61.09%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

Utility (PAC/UTC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
Net Benefits	\$498,376.41	\$269,139.66	\$454,429.52	\$475,701.63	\$420,761.53	\$1,352,025.15
Levelized Cost (kW)	\$22,5923	\$22,5923	\$22,5923	\$22,5923	\$22,5923	\$22,5923
Levelized Cost (kWh)	\$0.0095	\$0.0095	\$0.0095	\$0.0095	\$0.0095	\$0.0095
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

TRC Test						
Net Benefits	\$545,587.35	\$200,742.47	\$469,326.14	\$500,160.75	\$420,523.29	\$1,770,420.13
Levelized Cost (kW)	\$64,9551	\$64,9551	\$64,9551	\$64,9551	\$64,9551	\$64,9551
Levelized Cost (kWh)	\$0.0274	\$0.0281	\$0.0274	\$0.0274	\$0.0274	\$0.0288
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

RIM Test						
Net Benefits	-\$119,111.69	-\$335,840.41	-\$163,068.58	-\$141,786.48	-\$196,726.58	\$724,176.93
Net Benefits (Net Fuel)	\$66,146.47	-\$155,291.99	\$22,199.58	\$43,471.69	-\$11,468.41	\$913,338.59

Societal Test						
Net Benefits	\$545,587.35	\$200,742.47	\$469,326.14	\$500,160.75	\$420,523.29	\$1,770,420.13
Levelized Cost (kW)	\$64,9551	\$64,9551	\$64,9551	\$64,9551	\$64,9551	\$64,9551
Levelized Cost (kWh)	\$0.0274	\$0.0281	\$0.0274	\$0.0274	\$0.0274	\$0.0288
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000		

10 Aggregation Results - 2018 - Sects=COMM-EEP - Tech=LTG.xlsx

Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net Free/Drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	38	0	38	0	38	38	\$335,846.00	\$0.00	\$335,846.00	\$335,846.00	\$0.00	\$335,846.00
2	0	0	38	0	38	38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	38	0	38	38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	38	0	38	38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	38	0	38	38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	34	0	34	34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	18	0	18	18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	38	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	38	0	482	0	482	482	\$335,846	\$0	\$335,846	\$335,846	\$0	\$335,846

Impacts and Savings (Losses Included)																				
Year	Per Participant										Electric Impacts/Savings									
	kW		Summer Coin kW		Winter Coin kW		kWh		kWh (net)		kW		Summer Coin kW		Winter Coin kW		kWh		kWh (net)	
1	5.527	5.527	5.527	5.527	5.527	5.527	25,205.96	25,205.96	210	210	210	210	210	210	210	210	957,826	957,826	210	210
2	5.527	5.527	5.527	5.527	5.527	5.527	25,205.96	25,205.96	210	210	210	210	210	210	210	210	957,826	957,826	0	0
3	5.527	5.527	5.527	5.527	5.527	5.527	25,205.96	25,205.96	210	210	210	210	210	210	210	210	957,826	957,826	0	0
4	5.527	5.527	5.527	5.527	5.527	5.527	25,205.96	25,205.96	210	210	210	210	210	210	210	210	957,826	957,826	0	0
5	5.527	5.527	5.527	5.527	5.527	5.527	25,205.96	25,205.96	210	210	210	210	210	210	210	210	957,826	957,826	0	0
6	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
7	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
8	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
9	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
10	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
11	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
12	5.573	5.573	5.573	5.573	5.573	5.573	26,489.65	26,489.65	189	189	189	189	189	189	189	189	900,648	900,648	0	0
13	8.040	8.040	8.040	8.040	8.040	8.040	41,323.87	41,323.87	145	145	145	145	145	145	145	145	743,830	743,830	0	0
14	8.040	8.040	8.040	8.040	8.040	8.040	41,323.87	41,323.87	145	145	145	145	145	145	145	145	743,830	743,830	0	0
15	8.040	8.040	8.040	8.040	8.040	8.040	41,323.87	41,323.87	145	145	145	145	145	145	145	145	743,830	743,830	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
Totals	5.527	5.527	5.527	5.527	5.527	5.527	435,429	435,429	210	210	210	210	210	210	210	210	13,325,157	13,325,157	0	0

Lost Revenue Dollars (Losses Included)									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out
1	\$1,724.52	\$0.00	\$1,724.52	\$65,531.92	\$0.00	\$65,531.92	\$43,882.05	\$0.00	\$43,882.05
2	\$1,793.51	\$0.00	\$1,793.51	\$68,153.20	\$0.00	\$68,153.20	\$46,503.33	\$0.00	\$46,503.33
3	\$1,865.25	\$0.00	\$1,865.25	\$70,879.33	\$0.00	\$70,879.33	\$49,229.46	\$0.00	\$49,229.46
4	\$1,883.90	\$0.00	\$1,883.90	\$71,588.12	\$0.00	\$71,588.12	\$49,938.25	\$0.00	\$49,938.25
5	\$1,902.74	\$0.00	\$1,902.74	\$72,304.00	\$0.00	\$72,304.00	\$50,654.13	\$0.00	\$50,654.13
6	\$2,002.59	\$0.00	\$2,002.59	\$68,089.12	\$0.00	\$68,089.12	\$47,730.67	\$0.00	\$47,730.67
7	\$2,022.62	\$0.00	\$2,022.62	\$68,769.00	\$0.00	\$68,769.00	\$48,411.55	\$0.00	\$48,411.55
8	\$2,042.84	\$0.00	\$2,042.84	\$69,456.69	\$0.00	\$69,456.69	\$49,099.24	\$0.00	\$49,099.24
9	\$2,063.27	\$0.00	\$2,063.27	\$70,151.26	\$0.00	\$70,151.26	\$49,793.80	\$0.00	\$49,793.80
10	\$2,083.91	\$0.00	\$2,083.91	\$70,852.77	\$0.00	\$70,852.77	\$50,495.32	\$0.00	\$50,495.32
11	\$2,104.74	\$0.00	\$2,104.74	\$71,561.30	\$0.00	\$71,561.30	\$51,203.84	\$0.00	\$51,203.84
12	\$2,125.79	\$0.00	\$2,125.79	\$72,276.91	\$0.00	\$72,276.91	\$51,919.46	\$0.00	\$51,919.46
13	\$3,298.83	\$0.00	\$3,298.83	\$59,375.32	\$0.00	\$59,375.32	\$42,562.45	\$0.00	\$42,562.45
14	\$3,331.62	\$0.00	\$3,331.62	\$59,969.08	\$0.00	\$59,969.08	\$43,156.21	\$0.00	\$43,156.21
15	\$3,364.93	\$0.00	\$3,364.93	\$60,568.77	\$0.00	\$60,568.77	\$43,755.90	\$0.00	\$43,755.90
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$33,610.85	\$0.00	\$33,610.85	\$1,019,525.81	\$0.00	\$1,019,525.81	\$718,335.66	\$0.00	\$718,335.66

10 Aggregation Results - 2018 - Sects=COMM-EEP - Tech=LTG.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Revenue	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$29,292.00	\$0.00	\$97,708.00	\$0.00	\$127,000.00	\$302.34	\$302.34	\$0.13	\$0.13	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$29,292.00	\$0.00	\$97,708.00	\$0.00	\$127,000.00	\$302.34	\$302.34	\$0.13	\$0.13	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$37,928.10	\$0.00	\$15,045.23	\$0.00	\$52,973.33	\$0.00	\$0.00
2	\$44,588.21	\$0.00	\$15,219.29	\$0.00	\$59,807.50	\$0.00	\$0.00
3	\$45,190.08	\$0.00	\$15,118.63	\$0.00	\$60,308.72	\$0.00	\$0.00
4	\$46,714.44	\$0.00	\$15,061.66	\$0.00	\$61,781.11	\$0.00	\$0.00
5	\$49,057.88	\$0.00	\$14,883.44	\$0.00	\$63,941.32	\$0.00	\$0.00
6	\$47,882.83	\$0.00	\$13,267.68	\$0.00	\$61,150.51	\$0.00	\$0.00
7	\$49,116.78	\$0.00	\$13,114.60	\$0.00	\$62,231.38	\$0.00	\$0.00
8	\$50,341.46	\$0.00	\$12,966.33	\$0.00	\$63,307.79	\$0.00	\$0.00
9	\$50,777.51	\$0.00	\$12,817.21	\$0.00	\$63,594.72	\$0.00	\$0.00
10	\$52,039.30	\$0.00	\$12,671.04	\$0.00	\$64,710.33	\$0.00	\$0.00
11	\$52,679.47	\$0.00	\$12,525.94	\$0.00	\$65,205.40	\$0.00	\$0.00
12	\$54,259.85	\$0.00	\$12,381.93	\$0.00	\$66,641.78	\$0.00	\$0.00
13	\$46,156.64	\$0.00	\$9,348.61	\$0.00	\$55,505.25	\$0.00	\$0.00
14	\$47,541.34	\$0.00	\$9,367.61	\$0.00	\$56,908.94	\$0.00	\$0.00
15	\$48,967.58	\$0.00	\$9,387.17	\$0.00	\$58,354.74	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$723,246.47	\$0.00	\$193,176.35	\$0.00	\$916,422.82	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$37,928.10	\$0.00	\$15,045.23	\$0.00	\$52,973.33	\$0.00	\$0.00
2	\$44,588.21	\$0.00	\$15,219.29	\$0.00	\$59,807.50	\$0.00	\$0.00
3	\$45,190.08	\$0.00	\$15,118.63	\$0.00	\$60,308.72	\$0.00	\$0.00
4	\$46,714.44	\$0.00	\$15,061.66	\$0.00	\$61,781.11	\$0.00	\$0.00
5	\$49,057.88	\$0.00	\$14,883.44	\$0.00	\$63,941.32	\$0.00	\$0.00
6	\$47,882.83	\$0.00	\$13,267.68	\$0.00	\$61,150.51	\$0.00	\$0.00
7	\$49,116.78	\$0.00	\$13,114.60	\$0.00	\$62,231.38	\$0.00	\$0.00
8	\$50,341.46	\$0.00	\$12,966.33	\$0.00	\$63,307.79	\$0.00	\$0.00
9	\$50,777.51	\$0.00	\$12,817.21	\$0.00	\$63,594.72	\$0.00	\$0.00
10	\$52,039.30	\$0.00	\$12,671.04	\$0.00	\$64,710.33	\$0.00	\$0.00
11	\$52,679.47	\$0.00	\$12,525.94	\$0.00	\$65,205.40	\$0.00	\$0.00
12	\$54,259.85	\$0.00	\$12,381.93	\$0.00	\$66,641.78	\$0.00	\$0.00
13	\$46,156.64	\$0.00	\$9,348.61	\$0.00	\$55,505.25	\$0.00	\$0.00
14	\$47,541.34	\$0.00	\$9,367.61	\$0.00	\$56,908.94	\$0.00	\$0.00
15	\$48,967.58	\$0.00	\$9,387.17	\$0.00	\$58,354.74	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)							
Year	Cumulative Electric				Cumulative Gas		
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$27,391.26	\$10,606.59	\$15,045.23	\$0.00	\$53,043.08	\$0.00	\$0.00
2	\$32,201.12	\$11,130.62	\$15,219.29	\$0.00	\$58,551.02	\$0.00	\$0.00
3	\$32,636.76	\$11,526.46	\$15,118.63	\$0.00	\$59,279.89	\$0.00	\$0.00
4	\$33,740.27	\$11,593.74	\$15,061.66	\$0.00	\$60,395.67	\$0.00	\$0.00
5	\$35,429.07	\$32,747.83	\$14,883.44	\$0.00	\$83,060.33	\$0.00	\$0.00
6	\$34,590.46	\$29,544.27	\$13,267.68	\$0.00	\$77,392.41	\$0.00	\$0.00
7	\$35,471.60	\$29,544.27	\$13,114.60	\$0.00	\$78,130.47	\$0.00	\$0.00
8	\$36,356.05	\$29,544.27	\$12,966.33	\$0.00	\$78,866.65	\$0.00	\$0.00
9	\$36,670.96	\$29,544.27	\$12,817.21	\$0.00	\$79,032.44	\$0.00	\$0.00
10	\$37,582.21	\$29,544.27	\$12,671.04	\$0.00	\$79,797.52	\$0.00	\$0.00
11	\$38,044.53	\$29,544.27	\$12,525.94	\$0.00	\$80,114.74	\$0.00	\$0.00
12	\$39,185.87	\$29,544.27	\$12,381.93	\$0.00	\$81,112.07	\$0.00	\$0.00
13	\$33,333.82	\$22,563.52	\$9,348.61	\$0.00	\$65,245.95	\$0.00	\$0.00
14	\$34,333.83	\$22,563.52	\$9,367.61	\$0.00	\$66,264.96	\$0.00	\$0.00
15	\$35,363.85	\$22,563.52	\$9,387.17	\$0.00	\$67,314.53	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$522,320.68	\$352,104.71	\$193,176.35	\$0.00	\$1,067,601.74	\$1,067,601.74	\$0.00

11 Aggregation Results - 2018 - Sect=COMM-EEP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
Utility (PAC) Test	5.901212542	4.058669563	6.012931764	6.238801894	5.661979201	15.45033107
TRC Test	2.491096497	1.68692079	2.509441154	2.604932707	2.361738995	6.48144276
RIM Test	0.76237115	0.53443601	0.776799354	0.806077148	0.731432203	1.965204402
RM (Net Fuel)	1.003164593	0.701940886	1.022156074	1.060722399	0.962496609	2.399807171
Societal Test	2.491096497	1.68692079	2.509441154	2.604932707	2.361738995	6.48144276
Participant Test	2.463061649	2.414567607	2.463061649	2.463061649	2.463061649	2.503074347

Present Values (PVs) of Costs and Benefits Per Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
Utility (PAC) Test						
Avoided Electric Production	\$1,091,362.78	\$975,614.57	\$1,634,200.94	\$1,710,656.17	\$1,515,929.92	\$4,814,604.50
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$505,188.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$1,988,708.63	\$1,367,771.64	\$2,026,358.00	\$2,102,813.24	\$1,908,086.99	\$5,206,761.57
Administration Costs	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00
Total	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.90	4.06	6.01	6.24	5.66	15.45
TRC Test						
Avoided Electric Production	\$1,602,213.97	\$1,432,302.05	\$2,399,172.99	\$2,511,423.11	\$2,225,548.42	\$7,068,252.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$775,394.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$2,928,278.65	\$1,982,971.81	\$2,949,842.76	\$3,062,092.87	\$2,776,219.18	\$7,618,922.22
Administration Costs	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88
Participant Tax Credits (gross)	\$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
Test Results	2.49	1.69	2.51	2.60	2.36	6.48
RIM Test						
Avoided Electric Production	\$1,091,362.78	\$975,614.57	\$1,634,200.94	\$1,710,656.17	\$1,515,929.92	\$4,814,604.50
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$505,188.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07	\$392,157.07
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$1,988,708.63	\$1,367,771.64	\$2,026,358.00	\$2,102,813.24	\$1,908,086.99	\$5,206,761.57
Administration Costs	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00
Total	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00	\$337,000.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$2,271,699.73	\$2,222,280.47	\$2,271,699.73	\$2,271,699.73	\$2,271,699.73	\$2,312,475.83
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,271,699.73	\$2,222,280.47	\$2,271,699.73	\$2,271,699.73	\$2,271,699.73	\$2,312,475.83
Net Fuel Loss Revenue (Electric)	\$1,645,435.03	\$1,611,556.74	\$1,645,435.03	\$1,645,435.03	\$1,645,435.03	\$1,673,404.71
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,645,435.03	\$1,611,556.74	\$1,645,435.03	\$1,645,435.03	\$1,645,435.03	\$1,673,404.71
Test Results	0.76	0.53	0.78	0.81	0.73	1.97
1.00	0.70	1.02	1.06	0.96	2.59	
Societal Test						
Avoided Electric Production	\$1,602,213.97	\$1,432,302.05	\$2,399,172.99	\$2,511,423.11	\$2,225,548.42	\$7,068,252.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$775,394.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76	\$550,669.76
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$2,928,278.65	\$1,982,971.81	\$2,949,842.76	\$3,062,092.87	\$2,776,219.18	\$7,618,922.22
Administration Costs	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00	\$81,007.00
Reduced Acreage	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88
Participant Tax Credits (gross)	\$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
Test Results	2.49	1.69	2.51	2.60	2.36	6.48
Participant Test						
Incentives	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00	\$255,993.00
Participant Costs (gross)	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88	\$1,094,490.88
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$2,439,805.51	\$2,386,729.22	\$2,439,805.51	\$2,439,805.51	\$2,439,805.51	\$2,483,599.04
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,439,805.51	\$2,386,729.22	\$2,439,805.51	\$2,439,805.51	\$2,439,805.51	\$2,483,599.04
Test Results	2.46	2.41	2.46	2.46	2.46	2.50

Present Values (PVs) of Impacts	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
kWh (Discounted)	15874.4743	15874.4743	15874.4743	15874.4743	15874.4743	15874.4743
kWh (Discounted)	45806832.0700	44670314.0287	45806832.0700	45806832.0700	45806832.0700	46743332.3766
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	15874.4743	15874.4743	15874.4743	15874.4743	15874.4743	15874.4743
kWh (Undiscounted)	45806832.0700	44670314.0287	45806832.0700	45806832.0700	45806832.0700	46743332.3766
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Cost of Conserved kWh, kW, and CCF	100% Allocation	Nominal	Levelized	% Allocation
Total Costs / kWh Savings	\$0.0074	\$0.0074	100.00%	
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%	
Allocated By Cost-Based Allocated Costs	\$0.0000	\$0.0000		
Allocated Costs / kW Savings	\$6.7174	\$6.7174	31.64%	
Allocated Costs / kWh Savings	\$0.0050	\$0.0050	68.36%	
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%	

Utility (PAC/UTC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	
Net Benefits	\$1,651,708.63	\$1,030,771.64	\$1,689,358.00	\$1,765,813.24	\$1,571,086.99	\$4,869,761.57
Levelized Cost (kW)	\$21,2290	\$21,2290	\$21,2290	\$21,2290	\$21,2290	\$21,2290
Levelized Cost (kWh)	\$0.0074	\$0.0074	\$0.0074	\$0.0074	\$0.0074	\$0.0074
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$1,752,780.77	\$807,473.93	\$1,774,344.88	\$1,886,594.99	\$1,600,721.30	\$6,443,424.34
Levelized Cost (kW)	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496
Levelized Cost (kWh)	\$0.0257	\$0.0257	\$0.0257	\$0.0257	\$0.0257	\$0.0257
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$619,991.10	#####	-\$582,341.73	-\$505,886.49	-\$700,612.74	\$2,557,285.74
Net Benefits (Net Fuel)	\$6,273.60	#####	\$43,922.98	\$120,378.21	-\$74,348.04	\$3,196,356.86
Societal Test						
Net Benefits	\$1,752,780.77	\$807,473.93	\$1,774,344.88	\$1,886,594.99	\$1,600,721.30	\$6,443,424.34
Levelized Cost (kW)	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496
Levelized Cost (kWh)	\$0.0257	\$0.0257	\$0.0257	\$0.0257	\$0.0257	\$0.0257
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free-drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
	1	130	0	130	0	130	130	\$1,094,490.88	\$0.00	\$1,094,490.88	\$1,094,490.88	\$0.00
2	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	130	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	130	0	1,862	0	1,862	1,862	\$1,094,491	\$0	\$1,094,491	\$1,094,491	\$0	\$1,094,491

Impacts and Savings (Losses Included)																																				
Year	Per Participant										Cumulative				Yearly Incremental (Per Participant * Incremental Participants)																					
	kW		kW (net)		Summer Coin kW		Summer Coin (net)		Winter Coin kW		Winter Coin (net)		kWh		kWh (net)		kW		kW (net)		Summer Coin kW		Summer Coin (net)		Winter Coin kW		Winter Coin (net)		kWh		kWh (net)					
	1	4.373	4.373	3.903	3.903	4.586	4.586	4.586	4.586	24,025.16	24,025.16	569	569	569	3,123.271	3,123.271	569	569	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	4.373	4.373	3.903	3.903	4.586	4.586	4.586	4.586	24,025.16	24,025.16	569	569	507	3,123.271	3,123.271	596	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	4.373	4.373	3.903	3.903	4.586	4.586	4.586	4.586	24,025.16	24,025.16	569	569	507	3,123.271	3,123.271	596	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	4.373	4.373	3.903	3.903	4.586	4.586	4.586	4.586	24,025.16	24,025.16	569	569	507	3,123.271	3,123.271	596	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	4.373	4.373	3.903	3.903	4.586	4.586	4.586	4.586	24,025.16	24,025.16	569	569	507	3,123.271	3,123.271	596	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	4.349	4.349	3.864	3.864	4.569	4.569	4.569	4.569	24,334.07	24,334.07	548	548	487	3,066.093	3,066.093	576	576	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	4.575	4.575	4.019	4.019	4.826	4.826	4.826	4.826	26,447.95	26,447.95	503	503	442	2,909.275	2,909.275	531	531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	4.575	4.575	4.019	4.019	4.826	4.826	4.826	4.826	26,447.95	26,447.95	503	503	442	2,909.275	2,909.275	531	531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	4.575	4.575	4.019	4.019	4.826	4.826	4.826	4.826	26,447.95	26,447.95	503	503	442	2,909.275	2,909.275	531	531	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Totals	4,373	4,373	3,903	3,903	4,586	4,586	4,586	4,586	369,808	369,808	569	569	507	45,806.832	45,806.832	596	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Lost Revenue Dollars (Losses Included)									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net		

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Utility Program Costs (Losses Included)												
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Escrow	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$81,007.00	\$0.00	\$255,993.00	\$0.00	\$337,000.00	\$305.36	\$305.36	\$0.11	\$0.11	\$0.00	\$0.00	
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$81,007.00	\$0.00	\$255,993.00	\$0.00	\$337,000.00	\$305.36	\$305.36	\$0.11	\$0.11	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$129,354.43	\$0.00	\$46,037.21	\$0.00	\$175,391.65	\$0.00	\$0.00	\$0.00	
2	\$152,068.86	\$0.00	\$46,589.82	\$0.00	\$198,658.68	\$0.00	\$0.00	\$0.00	
3	\$154,121.57	\$0.00	\$46,281.81	\$0.00	\$200,403.38	\$0.00	\$0.00	\$0.00	
4	\$159,937.47	\$0.00	\$46,087.49	\$0.00	\$206,024.96	\$0.00	\$0.00	\$0.00	
5	\$167,312.76	\$0.00	\$45,542.14	\$0.00	\$212,854.90	\$0.00	\$0.00	\$0.00	
6	\$170,632.92	\$0.00	\$43,561.55	\$0.00	\$214,194.47	\$0.00	\$0.00	\$0.00	
7	\$175,030.16	\$0.00	\$43,058.93	\$0.00	\$218,089.09	\$0.00	\$0.00	\$0.00	
8	\$179,390.34	\$0.00	\$42,571.22	\$0.00	\$221,961.56	\$0.00	\$0.00	\$0.00	
9	\$180,948.26	\$0.00	\$42,082.51	\$0.00	\$223,030.77	\$0.00	\$0.00	\$0.00	
10	\$185,444.69	\$0.00	\$41,602.60	\$0.00	\$227,047.29	\$0.00	\$0.00	\$0.00	
11	\$187,725.97	\$0.00	\$41,126.20	\$0.00	\$228,852.16	\$0.00	\$0.00	\$0.00	
12	\$190,357.74	\$0.00	\$40,653.36	\$0.00	\$231,011.11	\$0.00	\$0.00	\$0.00	
13	\$189,427.47	\$0.00	\$37,298.08	\$0.00	\$226,725.55	\$0.00	\$0.00	\$0.00	
14	\$195,110.29	\$0.00	\$37,373.85	\$0.00	\$232,484.14	\$0.00	\$0.00	\$0.00	
15	\$200,963.60	\$0.00	\$37,451.89	\$0.00	\$238,415.49	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$2,620,230.54	\$0.00	\$637,279.56	\$0.00	\$3,257,510.10	\$0.00	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$129,354.43	\$0.00	\$46,037.21	\$0.00	\$175,391.65	\$0.00	\$0.00	\$0.00	
2	\$152,068.86	\$0.00	\$46,589.82	\$0.00	\$198,658.68	\$0.00	\$0.00	\$0.00	
3	\$154,121.57	\$0.00	\$46,281.81	\$0.00	\$200,403.38	\$0.00	\$0.00	\$0.00	
4	\$159,937.47	\$0.00	\$46,087.49	\$0.00	\$206,024.96	\$0.00	\$0.00	\$0.00	
5	\$167,312.76	\$0.00	\$45,542.14	\$0.00	\$212,854.90	\$0.00	\$0.00	\$0.00	
6	\$170,632.92	\$0.00	\$43,561.55	\$0.00	\$214,194.47	\$0.00	\$0.00	\$0.00	
7	\$175,030.16	\$0.00	\$43,058.93	\$0.00	\$218,089.09	\$0.00	\$0.00	\$0.00	
8	\$179,390.34	\$0.00	\$42,571.22	\$0.00	\$221,961.56	\$0.00	\$0.00	\$0.00	
9	\$180,948.26	\$0.00	\$42,082.51	\$0.00	\$223,030.77	\$0.00	\$0.00	\$0.00	
10	\$185,444.69	\$0.00	\$41,602.60	\$0.00	\$227,047.29	\$0.00	\$0.00	\$0.00	
11	\$187,725.97	\$0.00	\$41,126.20	\$0.00	\$228,852.16	\$0.00	\$0.00	\$0.00	
12	\$190,357.74	\$0.00	\$40,653.36	\$0.00	\$231,011.11	\$0.00	\$0.00	\$0.00	
13	\$189,427.47	\$0.00	\$37,298.08	\$0.00	\$226,725.55	\$0.00	\$0.00	\$0.00	
14	\$195,110.29	\$0.00	\$37,373.85	\$0.00	\$232,484.14	\$0.00	\$0.00	\$0.00	
15	\$200,963.60	\$0.00	\$37,451.89	\$0.00	\$238,415.49	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$93,131.03	\$25,623.21	\$46,037.21	\$0.00	\$164,791.45	\$0.00	\$0.00	\$0.00	
2	\$109,484.68	\$26,889.15	\$46,589.82	\$0.00	\$182,963.65	\$0.00	\$0.00	\$0.00	
3	\$110,962.57	\$27,843.04	\$46,281.81	\$0.00	\$185,067.42	\$0.00	\$0.00	\$0.00	
4	\$114,717.85	\$28,007.94	\$46,087.49	\$0.00	\$188,813.29	\$0.00	\$0.00	\$0.00	
5	\$120,459.80	\$29,111.62	\$45,542.14	\$0.00	\$245,113.57	\$0.00	\$0.00	\$0.00	
6	\$122,843.46	\$29,908.06	\$43,561.55	\$0.00	\$242,313.07	\$0.00	\$0.00	\$0.00	
7	\$125,009.16	\$29,908.06	\$43,058.93	\$0.00	\$244,976.15	\$0.00	\$0.00	\$0.00	
8	\$129,151.06	\$29,908.06	\$42,571.22	\$0.00	\$247,631.24	\$0.00	\$0.00	\$0.00	
9	\$130,269.76	\$29,908.06	\$42,082.51	\$0.00	\$248,260.34	\$0.00	\$0.00	\$0.00	
10	\$133,506.87	\$29,908.06	\$41,602.60	\$0.00	\$251,017.53	\$0.00	\$0.00	\$0.00	
11	\$135,149.23	\$29,908.06	\$41,126.20	\$0.00	\$252,183.49	\$0.00	\$0.00	\$0.00	
12	\$139,203.70	\$29,908.06	\$40,653.36	\$0.00	\$255,765.13	\$0.00	\$0.00	\$0.00	
13	\$136,352.19	\$28,927.31	\$37,298.08	\$0.00	\$242,577.57	\$0.00	\$0.00	\$0.00	
14	\$140,442.75	\$28,927.31	\$37,373.85	\$0.00	\$246,743.90	\$0.00	\$0.00	\$0.00	
15	\$144,656.04	\$28,927.31	\$37,451.89	\$0.00	\$251,035.23	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00</					

13 Aggregation Results - 2018 - Sect=OTHR-EEP - Tech=DEV.xlsx

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

Impacts and Savings (Losses Included)																									
Year	Per Participant								Electric Impacts/Savings Cumulative								Yearly Incremental (Per Participant * Incremental Participants)								
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	
1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Lost Revenue Dollars (Losses Included)									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total
1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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Cost / Benefit Tests For Normal Weather						
	Cost Based		Market-Based			
	0	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	0	0	0	0	0	0
TRC Test	0	0	0	0	0	0
RIM Test	0	0	0	0	0	0
RM (Net Fuel) Test	0	0	0	0	0	0
Societal Test	0	0	0	0	0	0
Participant Test	65535	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF				
100% Allocation		Normal	Levelized	% Allocation
		\$/kWh	\$/kWh	
	Total Costs / kW Savings	\$0.0000	\$0.0000	100.00%
	Total Costs / kWh Savings	\$0.0000	\$0.0000	100.00%
	Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs		\$0.0000	\$0.0000	
	Allocated Costs / kW Savings	\$0.0000	\$0.0000	6553500.00%
	Allocated Costs / kWh Savings	\$0.0000	\$0.0000	6553500.00%

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based		Market-Based			
	0	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
TRC Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
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
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
RIM Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Electric)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Lost Revenue (Gas)	\$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
Net Fuel Lost Revenue (Electric)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net Fuel Lost Revenue (Gas)	\$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
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
Societal Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00	\$37,000.00
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
Test Results	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)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Gas) (gross)	\$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
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

	Cost Based		Market-Based			
	0	Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UTC) Test						
Net Benefits	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00
Levelized Cost (kW)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00
Levelized Cost (kW)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00
Net Benefits (Net Fuel)	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00
Societal Test						
Net Benefits	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00	-\$37,000.00
Levelized Cost (kW)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Present Values (PVs) of Impacts						
	Cost Based		Market-Based			
	0	Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kW (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$0.00	\$37,000.00	(\$37,000.00)	inf.	Utility (PAC) Test
\$0.00	\$37,000.00	(\$37,000.00)	inf.	TRC Test
\$0.00	\$37,000.00	(\$37,000.00)	inf.	RIM Test
\$0.00	\$37,000.00	(\$37,000.00)	inf.	RM (Net Fuel) Test
\$0.00	\$37,000.00	(\$37,000.00)	inf.	Societal Test
\$0.00	\$0.00	\$0.00	inf.	Participant Test

Participants	kWh	Summer MW	Winter kW	Generator
400	0	0.000	0.000	Meiler

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$37,000.00	\$0.00	\$0.00	\$0.00	\$37,000.00

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Participation and Total Participant Costs							Total Participant Costs			Total Participant Costs		
Year	Participation						Gross			Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free-drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	2686	0	2686	0	2686	2686	\$1,314,590.88	\$0.00	\$1,314,590.88	\$1,314,590.88	\$0.00	\$1,314,590.88
2	0	0	1660	0	1660	1660	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	1660	0	1660	1660	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	1660	0	1660	1660	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	1660	0	1660	1660	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	1656	0	1656	1656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	1640	0	1640	1640	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	1640	0	1640	1640	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	1640	0	1640	1640	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	1640	0	1640	1640	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	30	0	30	30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	1	0	1	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	1	0	1	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	2,686	0	25,930	0	25,930	25,930	\$1,314,591	\$0	\$1,314,591	\$1,314,591	\$0	\$1,314,591

Impacts and Savings (Losses Included)																
Year	Per Participant								Electric Impacts/Savings							
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.431	0.431	0.383	0.383	0.265	0.265	1,421.45	1,421.45	1,157	1,157	1,029	1,029	711	711	3,798.602	3,798.602
2	0.418	0.418	0.341	0.341	0.429	0.429	2,288.31	2,288.31	694	694	566	566	711	711	3,798.602	3,798.602
3	0.418	0.418	0.341	0.341	0.429	0.429	2,288.31	2,288.31	694	694	566	566	711	711	3,798.602	3,798.602
4	0.418	0.418	0.341	0.341	0.429	0.429	2,288.31	2,288.31	694	694	566	566	711	711	3,798.602	3,798.602
5	0.418	0.418	0.341	0.341	0.429	0.429	2,288.31	2,288.31	694	694	566	566	711	711	3,798.602	3,798.602
6	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
7	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
8	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
9	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
10	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
11	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
12	0.407	0.407	0.329	0.329	0.417	0.417	2,259.31	2,259.31	674	674	545	545	691	691	3,741.424	3,741.424
13	0.384	0.384	0.305	0.305	0.394	0.394	2,185.74	2,185.74	629	629	501	501	646	646	3,584.606	3,584.606
14	0.384	0.384	0.305	0.305	0.394	0.394	2,185.74	2,185.74	629	629	501	501	646	646	3,584.606	3,584.606
15	0.384	0.384	0.305	0.305	0.394	0.394	2,185.74	2,185.74	629	629	501	501	646	646	3,584.606	3,584.606
16	1.933	1.933	1.739	1.739	3.622	3.622	20,666.09	20,666.09	58	58	52	52	109	109	619.983	619.983
17	1.933	1.933	1.739	1.739	3.622	3.622	20,666.09	20,666.09	58	58	52	52	109	109	619.983	619.983
18	1.933	1.933	1.739	1.739	3.622	3.622	20,666.09	20,666.09	58	58	52	52	109	109	619.983	619.983
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
Totals	94.945	94.945	84.945	84.945	94.945	94.945	94.945	94.945	1,157	1,157	1,029	1,029	711	711	3,818.015	3,818.015

Lost Revenue Dollars (Losses Included)									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out Total	Net Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out Total
1	\$110.77	\$0.00	\$110.77	\$297,532.28	\$0.00	\$297,532.28	\$211,233.21	\$0.00	\$211,233.21
2	\$185.26	\$0.00	\$185.26	\$307,533.89	\$0.00	\$307,533.89	\$221,673.62	\$0.00	\$221,673.62
3	\$192.67	\$0.00	\$192.67	\$319,835.25	\$0.00	\$319,835.25	\$233,974.98	\$0.00	\$233,974.98
4	\$194.60	\$0.00	\$194.60	\$323,033.60	\$0.00	\$323,033.60	\$237,173.33	\$0.00	\$237,173.33
5	\$196.54	\$0.00	\$196.54	\$326,263.94	\$0.00	\$326,263.94	\$240,403.67	\$0.00	\$240,403.67
6	\$196.01	\$0.00	\$196.01	\$324,587.66	\$0.00	\$324,587.66	\$240,019.80	\$0.00	\$240,019.80
7	\$197.97	\$0.00	\$197.97	\$327,833.54	\$0.00	\$327,833.54	\$243,265.67	\$0.00	\$243,265.67
8	\$199.95	\$0.00	\$199.95	\$331,111.87	\$0.00	\$331,111.87	\$246,544.01	\$0.00	\$246,544.01
9	\$201.95	\$0.00	\$201.95	\$334,422.99	\$0.00	\$334,422.99	\$249,855.13	\$0.00	\$249,855.13
10	\$203.97	\$0.00	\$203.97	\$337,787.22	\$0.00	\$337,787.22	\$253,199.36	\$0.00	\$253,199.36
11	\$206.01	\$0.00	\$206.01	\$341,144.89	\$0.00	\$341,144.89	\$256,577.03	\$0.00	\$256,577.03
12	\$208.07	\$0.00	\$208.07	\$344,556.34	\$0.00	\$344,556.34	\$259,988.48	\$0.00	\$259,988.48
13	\$203.89	\$0.00	\$203.89	\$334,377.55	\$0.00	\$334,377.55	\$253,354.27	\$0.00	\$253,354.27
14	\$205.93	\$0.00	\$205.93	\$337,721.32	\$0.00	\$337,721.32	\$256,698.04	\$0.00	\$256,698.04
15	\$207.99	\$0.00	\$207.99	\$341,098.63	\$0.00	\$341,098.63	\$260,075.26	\$0.00	\$260,075.26
16	\$2,447.94	\$0.00	\$2,447.94	\$73,438.17	\$0.00	\$73,438.17	\$59,424.63	\$0.00	\$59,424.63
17	\$2,472.42	\$0.00	\$2,472.42	\$74,172.55	\$0.00	\$74,172.55	\$60,159.01	\$0.00	\$60,159.01
18	\$2,497.14	\$0.00	\$2,497.14	\$74,914.28	\$0.00	\$74,914.28	\$60,900.73	\$0.00	\$60,900.73
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$10,329.05	\$0.00	\$10,329.05	\$5,151,345.87	\$0.00	\$5,151,345.87	\$3,844,620.21	\$0.00	\$3,844,620.21

15 Aggregation Results - 2018 - Sect=ALL - Tech=ALL.xlsx

Utility Program Costs (Losses Included)												
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved							
	Administration	Implementation	Revenues	Other	Total	\$/kW	\$/kWh	\$/kWh	\$/kWh	\$/CCF	\$/CCF	\$/kWh
1	\$138,582.00	\$12,675.00	\$297,743.00	\$0.00	\$449,000.00	\$258.00	\$258.00	\$0.12	\$0.12	\$0.00	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$138,582.00	\$12,675.00	\$297,743.00	\$0.00	\$449,000.00	\$258.00	\$258.00	\$0.12	\$0.12	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$159,561.50	\$0.00	\$88,053.58	\$0.00	\$247,615.08	\$0.00	\$0.00	\$0.00	\$0.00
2	\$186,523.23	\$0.00	\$56,965.01	\$0.00	\$243,488.24	\$0.00	\$0.00	\$0.00	\$0.00
3	\$189,041.02	\$0.00	\$56,589.25	\$0.00	\$245,629.27	\$0.00	\$0.00	\$0.00	\$0.00
4	\$195,438.70	\$0.00	\$56,375.02	\$0.00	\$251,813.72	\$0.00	\$0.00	\$0.00	\$0.00
5	\$205,220.95	\$0.00	\$55,707.94	\$0.00	\$260,928.89	\$0.00	\$0.00	\$0.00	\$0.00
6	\$209,982.11	\$0.00	\$53,606.38	\$0.00	\$263,588.49	\$0.00	\$0.00	\$0.00	\$0.00
7	\$215,393.39	\$0.00	\$52,987.85	\$0.00	\$268,381.24	\$0.00	\$0.00	\$0.00	\$0.00
8	\$220,763.88	\$0.00	\$52,389.79	\$0.00	\$273,153.68	\$0.00	\$0.00	\$0.00	\$0.00
9	\$222,676.24	\$0.00	\$51,786.29	\$0.00	\$274,462.53	\$0.00	\$0.00	\$0.00	\$0.00
10	\$228,209.58	\$0.00	\$51,195.71	\$0.00	\$279,405.29	\$0.00	\$0.00	\$0.00	\$0.00
11	\$231,016.94	\$0.00	\$50,609.46	\$0.00	\$281,626.39	\$0.00	\$0.00	\$0.00	\$0.00
12	\$237,947.45	\$0.00	\$50,027.59	\$0.00	\$287,975.04	\$0.00	\$0.00	\$0.00	\$0.00
13	\$235,354.86	\$0.00	\$46,565.54	\$0.00	\$281,920.41	\$0.00	\$0.00	\$0.00	\$0.00
14	\$242,415.51	\$0.00	\$46,660.14	\$0.00	\$289,075.65	\$0.00	\$0.00	\$0.00	\$0.00
15	\$249,689.97	\$0.00	\$46,757.57	\$0.00	\$296,447.55	\$0.00	\$0.00	\$0.00	\$0.00
16	\$45,999.55	\$0.00	\$8,905.82	\$0.00	\$54,905.37	\$0.00	\$0.00	\$0.00	\$0.00
17	\$47,379.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$48,800.92	\$0.00	\$8,945.70	\$0.00	\$57,746.62	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$3,371,413.44	\$0.00	\$843,052.12	\$0.00	\$4,214,465.56	\$0.00	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$159,561.50	\$0.00	\$88,053.58	\$0.00	\$247,615.08	\$0.00	\$0.00	\$0.00	\$0.00
2	\$186,523.23	\$0.00	\$56,965.01	\$0.00	\$243,488.24	\$0.00	\$0.00	\$0.00	\$0.00
3	\$189,041.02	\$0.00	\$56,589.25	\$0.00	\$245,629.27	\$0.00	\$0.00	\$0.00	\$0.00
4	\$195,438.70	\$0.00	\$56,375.02	\$0.00	\$251,813.72	\$0.00	\$0.00	\$0.00	\$0.00
5	\$205,220.95	\$0.00	\$55,707.94	\$0.00	\$260,928.89	\$0.00	\$0.00	\$0.00	\$0.00
6	\$209,982.11	\$0.00	\$53,606.38	\$0.00	\$263,588.49	\$0.00	\$0.00	\$0.00	\$0.00
7	\$215,393.39	\$0.00	\$52,987.85	\$0.00	\$268,381.24	\$0.00	\$0.00	\$0.00	\$0.00
8	\$220,763.88	\$0.00	\$52,389.79	\$0.00	\$273,153.68	\$0.00	\$0.00	\$0.00	\$0.00
9	\$222,676.24	\$0.00	\$51,786.29	\$0.00	\$274,462.53	\$0.00	\$0.00	\$0.00	\$0.00
10	\$228,209.58	\$0.00	\$51,195.71	\$0.00	\$279,405.29	\$0.00	\$0.00	\$0.00	\$0.00
11	\$231,016.94	\$0.00	\$50,609.46	\$0.00	\$281,626.39	\$0.00	\$0.00	\$0.00	\$0.00
12	\$237,947.45	\$0.00	\$50,027.59	\$0.00	\$287,975.04	\$0.00	\$0.00	\$0.00	\$0.00
13	\$235,354.86	\$0.00	\$46,565.54	\$0.00	\$281,920.41	\$0.00	\$0.00	\$0.00	\$0.00
14	\$242,415.51	\$0.00	\$46,660.14	\$0.00	\$289,075.65	\$0.00	\$0.00	\$0.00	\$0.00
15	\$249,689.97	\$0.00	\$46,757.57	\$0.00	\$296,447.55	\$0.00	\$0.00	\$0.00	\$0.00
16	\$45,999.55	\$0.00	\$8,905.82	\$0.00	\$54,905.37	\$0.00	\$0.00	\$0.00	\$0.00
17	\$47,379.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$48,800.92	\$0.00	\$8,945.70	\$0.00	\$57,746.62	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,000,000.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328,000.00	\$75,122.28	\$0.00	\$0.00	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$114,831.47	\$51,961.93	\$88,053.58	\$0.00	\$254,846.99	\$0.00	\$0.00	\$0.00	\$0.00
2	\$134,243.17	\$29,996.78	\$56,965.01	\$0.00	\$221,204.96	\$0.00	\$0.00	\$0.00	\$0.00
3	\$136,055.26	\$31,060.92	\$56,589.25	\$0.00	\$223,704.43	\$0.00	\$0.00	\$0.00	\$0.00
4	\$140,659.75	\$31,244.88	\$56,375.02	\$0.00	\$228,279.65	\$0.00	\$0.00	\$0.00	\$0.00
5	\$147,700.16	\$88,254.71	\$55,707.94	\$0.00	\$291,662.81	\$0.00	\$0.00	\$0.00	\$0.00
6	\$151,119.30	\$85,051.15	\$53,606.38	\$0.00	\$289,776.83	\$0.00	\$0.00	\$0.00	\$0.00
7	\$155,013.69	\$85,051.15	\$52,987.85	\$0.00	\$293,052.69	\$0.00	\$0.00	\$0.00	\$0.00
8	\$158,878.77	\$85,051.15	\$52,388.79	\$0.00	\$296,318.72	\$0.00	\$0.00	\$0.00	\$0.00
9	\$160,254.98	\$85,051.15	\$51,786.29	\$0.00	\$297,092.42	\$0.00	\$0.00	\$0.00	\$0.00
10	\$164,237.20	\$85,051.15	\$51,195.71	\$0.00	\$300,484.06	\$0.00	\$0.00	\$0.00	\$0.00
11	\$166,257.59	\$85,051.15	\$50,609.46	\$0.00	\$301,918.19	\$0.00	\$0.00	\$0.00	\$0.00
12	\$171,245.31	\$85,051.15	\$50,027.59	\$0.00	\$306,324.06	\$0.00	\$0.00	\$0.00	\$0.00
13	\$169,355.05	\$78,070.40	\$46,565.54	\$0.00	\$293,990.99	\$0.00	\$0.00	\$0.00	\$0.00
14	\$174,435.70	\$78,070.40	\$46,660.14	\$0.00	\$299,166.23	\$0.00	\$0.00	\$0.00	\$0.00
15	\$170,668.77	\$78,070.40	\$46,757.57	\$0.00	\$304,496.74	\$0.00	\$0.00	\$0.00	\$0.00
16	\$33,062.46	\$8,136.10	\$8,905.82	\$0.00	\$50,104.39	\$0.00	\$0.00	\$0.00	\$0.00
17	\$34,054.34	\$8,136.10	\$8,925.47	\$0.00	\$51,115.91	\$0.00	\$0.00	\$0.00	\$0.00
18	\$35,075.97	\$8,136.10	\$8,945.70	\$0.00	\$52,157.77	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,426,148.91	\$1,0							