

01 Aggregation Results - 2019 - Sect=RES-D-E-E-P - Tech=ACC.xlsx

Cost / Benefit Tests For Normal Weather					
	Cost Based		Market-Based		
	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	4.32668269	2.468701786	2.505449537	2.509552422	2.498347882
TRC Test	4.32668269	2.468701786	2.505449537	2.509552422	2.498347882
RIM Test	3.7844265	2.17019054	2.191462228	2.195050933	2.189240404
RM (Net Fuel)	3.897257487	2.232520576	2.256790066	2.26046575	2.251283984
Societal Test	4.32668269	2.468701786	2.505449537	2.509552422	2.498347882
Participant Test	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Market-Based		
	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$28.6415	\$28.6415	100.00%
Total Cost / kWh Savings	\$0.6830	\$0.6830	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	\$27.7891	\$27.7891	97.02%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$60,573.36	\$14,000.00	\$46,573.36	4.33	Utility (PAC) Test
\$60,573.36	\$14,000.00	\$46,573.36	4.33	TRC Test
\$60,573.36	\$16,005.89	\$44,567.47	3.78	RIM Test
\$60,573.36	\$15,542.56	\$45,030.80	3.90	RM (Net Fuel) Test
\$60,573.36	\$14,000.00	\$46,573.36	4.33	Societal Test
\$2,154.32	\$0.00	\$2,154.32	inf.	Participant Test

Participants	kWh	Summer MW	Winter kW	Generator
661	20,498	488,801	0,000	Meter
	18,932	451,456	0,000	

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 Costs and Benefits Per Test						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test						
Avoided Electric Production	\$794.59	\$687.06	\$1,201.53	\$1,258.97	\$1,116.11	\$4,547.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$25,904.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76
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	\$60,573.36	\$34,561.83	\$35,076.29	\$35,133.73	\$34,990.87	\$38,422.74
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	4.33	2.47	2.51	2.51	2.50	2.74
TRC Test						
Avoided Electric Production	\$794.59	\$687.06	\$1,201.53	\$1,258.97	\$1,116.11	\$4,547.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$25,904.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76
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	\$60,573.36	\$34,561.83	\$35,076.29	\$35,133.73	\$34,990.87	\$38,422.74
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	4.33	2.47	2.51	2.51	2.50	2.74
RIM Test						
Avoided Electric Production	\$794.59	\$687.06	\$1,201.53	\$1,258.97	\$1,116.11	\$4,547.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$25,904.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76
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	\$60,573.36	\$34,561.83	\$35,076.29	\$35,133.73	\$34,990.87	\$38,422.74
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)	\$2,005.89	\$1,925.94	\$2,005.89	\$2,005.89	\$2,005.89	\$2,060.31
Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,005.89	\$1,925.94	\$2,005.89	\$2,005.89	\$2,005.89	\$2,060.31
Net Fuel Lost Revenue (Electric)	\$1,542.56	\$1,481.08	\$1,542.56	\$1,542.56	\$1,542.56	\$1,584.41
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,542.56	\$1,481.08	\$1,542.56	\$1,542.56	\$1,542.56	\$1,584.41
Test Results	3.78	2.17	2.19	2.20	2.19	2.39
	3.90	2.23	2.26	2.26	2.25	2.47
Societal Test						
Avoided Electric Production	\$794.59	\$687.06	\$1,201.53	\$1,258.97	\$1,116.11	\$4,547.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$25,904.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76	\$33,874.76
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	\$60,573.36	\$34,561.83	\$35,076.29	\$35,133.73	\$34,990.87	\$38,422.74
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	4.33	2.47	2.51	2.51	2.50	2.74
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)	\$2,154.32	\$2,068.46	\$2,154.32	\$2,154.32	\$2,154.32	\$2,212.77
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,154.32	\$2,068.46	\$2,154.32	\$2,154.32	\$2,154.32	\$2,212.77
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Present Values (PVs) of Impacts						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
kWh (Discounted)	488,8008	488,8008	488,8008	488,8008	488,8008	488,8008
kWh (Discounted)	20498,3265	19681,3296	20498,3265	20498,3265	20498,3265	21054,4676
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	488,8008	488,8008	488,8008	488,8008	488,8008	488,8008
kWh (Undiscounted)	20498,3265	19681,3296	20498,3265	20498,3265	20498,3265	21054,4676
CCF (Undiscounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Utility (PAC/UTC) Test						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Net Benefits	\$46,573.36	\$20,561.83	\$21,076.29	\$21,133.73	\$20,990.87	\$24,422.74
Levelized Cost (kW)	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415
Levelized Cost (kWh)	\$0.6830	\$0.7113	\$0.6830	\$0.6830	\$0.6830	\$0.6649
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$46,573.36	\$20,561.83	\$21,076.29	\$21,133.73	\$20,990.87	\$24,422.74
Levelized Cost (kW)	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415
Levelized Cost (kWh)	\$0.6830	\$0.7113	\$0.6830	\$0.6830	\$0.6830	\$0.6649
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$46,573.36	\$20,561.83	\$21,076.29	\$21,133.73	\$20,990.87	\$24,422.74
Levelized Cost (kW)	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415	\$28.6415
Levelized Cost (kWh)	\$0.6830	\$0.7113	\$0.6830	\$0.6830	\$0.6830	\$0.6649
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$46,573.36	\$20,561.83				

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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	661	0	661	0	661	661	\$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	661	0	661	0	661	661	\$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)	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	0.739	0.739	0.739	0.739	0.000	0.000	31.1	31.1	488	488	0	0	0	0	20,498	20,498	488	488	0	0	0	0	20,498	20,498
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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	0.739	0.739	0.739	0.739	0.000	0.000	31.1	31.1	488	488	0	0	0	0	20,498	20,498	488	488	0	0	0	0	20,498	20,498

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	\$3.03	\$0.00	\$3.03	\$2,005.89	\$0.00	\$2,005.89	\$1,542.56	\$0.00	\$1,542.56
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	\$3.03	\$0.00	\$3.03	\$2,005.89	\$0.00	\$2,005.89	\$1,542.56	\$0.00	\$1,542.56

01 Aggregation Results - 2019 - 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)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$3,375.00	\$10,625.00	\$0.00	\$0.00	\$14,000.00	\$28.64	\$28.64	\$0.68	\$0.68	\$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	\$28.64	\$28.64	\$0.68	\$0.68	\$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	\$1,116.11	\$0.00	\$33,874.76	\$0.00	\$34,990.87	\$0.00	\$0.00	\$0.00	
2	\$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	
4	\$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	
6	\$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	
8	\$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	
10	\$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	
12	\$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	
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$1,116.11	\$0.00	\$33,874.76	\$0.00	\$34,990.87	\$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	\$1,116.11	\$0.00	\$33,874.76	\$0.00	\$34,990.87	\$0.00	\$0.00	\$0.00	
2	\$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	
4	\$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	
6	\$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	
8	\$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	
10	\$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	
12	\$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	
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$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	\$794.59	\$25,904.00	\$33,874.76	\$0.00	\$60,573.36	\$0.00	\$0.00	\$0.00	
2	\$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	
4	\$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	
6	\$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	
8	\$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	
10	\$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	
12	\$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	
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$794.59	\$25,904.00	\$33,874.76	\$0.00	\$60,573.36	\$60,573.36	\$0.00	\$0.00	

02 Aggregation Results - 2019 - Sect=RESDEEEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test	0.169092996	0.02993202	10.59958005	11.05838771	9.918895329	32.67530942
TRC Test	3.110818428	2.029894891	3.580830894	3.736549959	3.349806878	11.07332118
RIM Test	0.537404425	0.361045737	0.621287494	0.648180207	0.581389602	1.880438091
RM (Net Fuel)	0.869571152	0.447650709	0.770311371	0.804230622	0.721404932	2.333358698
Societal Test	3.110818428	2.029894891	3.580830894	3.736549959	3.349806878	11.07332118
Participant Test	6.354010474	6.215086131	6.354010474	6.354010474	6.354010474	6.476077863

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal		
	Levelized	% Allocation	
Total Costs / kW Savings	\$39,2191	\$39,2191	100.00%
Total Cost / kWh Savings	\$0.0037	\$0.0037	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	\$8.4568	\$8.4568	21.566%
Allocated Costs / kWh Savings	\$0.0029	\$0.0029	78.44%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio
Utility (PAC) Test	\$183,381.86	\$20,000.00	\$163,381.86	0.17
TRC Test	\$290,861.52	\$93,500.00	\$197,361.52	3.11
RIM Test	\$183,381.86	\$341,213.37	(\$157,831.51)	0.54
RM (Net Fuel) Test	\$183,381.86	\$274,989.29	(\$91,608.43)	0.67
Societal Test	\$290,861.52	\$93,500.00	\$197,361.52	3.11
Participant Test	\$546,444.90	\$86,000.00	\$460,444.90	6.35

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test						
Avoided Electric Production	\$128,851.94	\$101,491.44	\$192,884.40	\$202,060.55	\$179,270.70	\$634,398.99
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$35,422.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20
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	\$183,381.86	\$120,598.64	\$211,991.60	\$221,167.75	\$198,377.91	\$653,506.19
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	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Total	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	9.17	6.03	10.60	11.06	9.92	32.68
TRC Test						
Avoided Electric Production	\$204,448.39	\$161,035.69	\$306,048.21	\$320,607.94	\$284,447.47	\$1,006,596.05
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$57,653.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48
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	\$290,861.52	\$189,795.17	\$334,807.69	\$349,367.42	\$313,206.94	\$1,035,355.53
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 Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00
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	3.11	2.03	3.58	3.74	3.35	11.07
RIM Test						
Avoided Electric Production	\$128,851.94	\$101,491.44	\$192,884.40	\$202,060.55	\$179,270.70	\$634,398.99
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$35,422.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20	\$19,107.20
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	\$183,381.86	\$120,598.64	\$211,991.60	\$221,167.75	\$198,377.91	\$653,506.19
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	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Total	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00
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	3.11	2.03	3.58	3.74	3.35	11.07
Societal Test						
Avoided Electric Production	\$204,448.39	\$161,035.69	\$306,048.21	\$320,607.94	\$284,447.47	\$1,006,596.05
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$57,653.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48	\$28,759.48
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	\$290,861.52	\$189,795.17	\$334,807.69	\$349,367.42	\$313,206.94	\$1,035,355.53
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	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Total	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
Reduced Amrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00
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	3.11	2.03	3.58	3.74	3.35	11.07
Participant Test						
Incentives	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Participant Costs (gross)	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00	\$86,000.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$533,944.90	\$521,997.41	\$533,944.90	\$533,944.90	\$533,944.90	\$544,442.70
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$533,944.90	\$521,997.41	\$533,944.90	\$533,944.90	\$533,944.90	\$544,442.70
Test Results	6.35	6.22	6.35	6.35	6.35	6.48

	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC/UTC) Test						
Net Benefits	\$163,381.86	\$100,598.64	\$191,991.60	\$201,167.75	\$178,377.91	\$633,506.19
Levelized Cost (kW)	\$39,2191	\$39,2191	\$39,2191	\$39,2191	\$39,2191	\$39,2191
Levelized Cost (kWh)	\$0.0037	\$0.0038	\$0.0037	\$0.0037	\$0.0037	\$0.0037
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$197,361.52	\$96,295.17	\$241,307.69	\$255,867.42	\$219,706.94	\$941,855.53
Levelized Cost (kW)	\$183,3494	\$183,3494	\$183,3494	\$183,3494	\$183,3494	\$183,3494
Levelized Cost (kWh)	\$0.0174	\$0.0178	\$0.0174	\$0.0174	\$0.0174	\$0.0171
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$157,831.51	-\$213,427.30	-\$129,221.77	-\$120,045.62	-\$142,835.47	\$305,977.50
Net Benefits (Net Fuel)	-\$91,606.43	-\$148,694.48	-\$62,996.69	-\$53,820.54	-\$76,610.39	\$373,504.39
Societal Test						
Net Benefits	\$197,361.52	\$96,295.17	\$241,307.69	\$255,867.42	\$219,706.94	\$941,855.53
Levelized Cost (kW)	\$183,3494	\$183,3494	\$183,3494	\$183,3494	\$183,3494	\$183,3494
Levelized Cost (kWh)	\$0.0174	\$0.0178	\$0.0174	\$0.0174	\$0.0174	\$0.0171
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$460,444.90	\$448,497.41	\$460,444.90	\$460,444.90	\$460,444.90	\$470,942.70

Participants	kWh			Generator Meter
	Summer	Winter	W/ Winter	
20	298,204	28,331	0,000	
	275,421	26,166	0,000	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$7,500.00	\$0.00	\$0.00	\$12,500.00	\$20,000.00

Present Values (PVs) of Impacts						
	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
kWh (Discounted)	509.9553	509.9553	509.9553	509.9553	509.9553	509.9553
kWh (Undiscounted)	5367666.6576	5247525.6180	5367666.6576	5367666.6576	5367666.6576	5473181.1150
CCF (Discounted)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
kWh (Undiscounted)	509.9553	509.9553	509.9553	509.9553	509.9553	509.9553
kWh (Undiscounted)	5367666.6576	5247525.6180	5367666.6576	5367666.6576	5367666.6576	5473181.1150
CCF (Undiscounted)						

O2 Aggregation Results - 2019 - Sect=RESDEEEP - 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	\$/kWh (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	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$15,189.66	\$0.00	\$2,052.91	\$0.00	\$17,242.56	\$0.00	\$0.00	\$0.00	
2	\$15,394.69	\$0.00	\$2,039.33	\$0.00	\$17,434.03	\$0.00	\$0.00	\$0.00	
3	\$15,915.69	\$0.00	\$2,031.65	\$0.00	\$17,947.34	\$0.00	\$0.00	\$0.00	
4	\$16,712.22	\$0.00	\$2,007.61	\$0.00	\$18,719.83	\$0.00	\$0.00	\$0.00	
5	\$17,347.60	\$0.00	\$1,983.72	\$0.00	\$19,331.32	\$0.00	\$0.00	\$0.00	
6	\$17,794.65	\$0.00	\$1,960.83	\$0.00	\$19,755.48	\$0.00	\$0.00	\$0.00	
7	\$18,236.34	\$0.00	\$1,938.66	\$0.00	\$20,175.00	\$0.00	\$0.00	\$0.00	
8	\$18,396.22	\$0.00	\$1,916.36	\$0.00	\$20,312.69	\$0.00	\$0.00	\$0.00	
9	\$18,853.46	\$0.00	\$1,894.51	\$0.00	\$20,747.97	\$0.00	\$0.00	\$0.00	
10	\$19,085.39	\$0.00	\$1,872.81	\$0.00	\$20,958.20	\$0.00	\$0.00	\$0.00	
11	\$19,657.95	\$0.00	\$1,851.28	\$0.00	\$21,509.23	\$0.00	\$0.00	\$0.00	
12	\$20,247.69	\$0.00	\$1,830.20	\$0.00	\$22,077.89	\$0.00	\$0.00	\$0.00	
13	\$20,855.12	\$0.00	\$1,833.92	\$0.00	\$22,689.04	\$0.00	\$0.00	\$0.00	
14	\$21,480.77	\$0.00	\$1,837.75	\$0.00	\$23,318.52	\$0.00	\$0.00	\$0.00	
15	\$22,125.20	\$0.00	\$1,841.69	\$0.00	\$23,966.89	\$0.00	\$0.00	\$0.00	
16	\$22,789.95	\$0.00	\$1,845.75	\$0.00	\$24,635.70	\$0.00	\$0.00	\$0.00	
17	\$23,472.62	\$0.00	\$1,849.94	\$0.00	\$25,322.56	\$0.00	\$0.00	\$0.00	
18	\$24,176.80	\$0.00	\$1,854.25	\$0.00	\$26,031.05	\$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	\$347,733.23	\$0.00	\$34,443.15	\$0.00	\$382,176.38	\$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	\$15,189.66	\$0.00	\$2,052.91	\$0.00	\$17,242.56	\$0.00	\$0.00	\$0.00	
2	\$15,394.69	\$0.00	\$2,039.33	\$0.00	\$17,434.03	\$0.00	\$0.00	\$0.00	
3	\$15,915.69	\$0.00	\$2,031.65	\$0.00	\$17,947.34	\$0.00	\$0.00	\$0.00	
4	\$16,712.22	\$0.00	\$2,007.61	\$0.00	\$18,719.83	\$0.00	\$0.00	\$0.00	
5	\$17,347.60	\$0.00	\$1,983.72	\$0.00	\$19,331.32	\$0.00	\$0.00	\$0.00	
6	\$17,794.65	\$0.00	\$1,960.83	\$0.00	\$19,755.48	\$0.00	\$0.00	\$0.00	
7	\$18,236.34	\$0.00	\$1,938.66	\$0.00	\$20,175.00	\$0.00	\$0.00	\$0.00	
8	\$18,396.22	\$0.00	\$1,916.36	\$0.00	\$20,312.69	\$0.00	\$0.00	\$0.00	
9	\$18,853.46	\$0.00	\$1,894.51	\$0.00	\$20,747.97	\$0.00	\$0.00	\$0.00	
10	\$19,085.39	\$0.00	\$1,872.81	\$0.00	\$20,958.20	\$0.00	\$0.00	\$0.00	
11	\$19,657.95	\$0.00	\$1,851.28	\$0.00	\$21,509.23	\$0.00	\$0.00	\$0.00	
12	\$20,247.69	\$0.00	\$1,830.20	\$0.00	\$22,077.89	\$0.00	\$0.00	\$0.00	
13	\$20,855.12	\$0.00	\$1,833.92	\$0.00	\$22,689.04	\$0.00	\$0.00	\$0.00	
14	\$21,480.77	\$0.00	\$1,837.75	\$0.00	\$23,318.52	\$0.00	\$0.00	\$0.00	
15	\$22,125.20	\$0.00	\$1,841.69	\$0.00	\$23,966.89	\$0.00	\$0.00	\$0.00	
16	\$22,789.95	\$0.00	\$1,845.75	\$0.00	\$24,635.70	\$0.00	\$0.00	\$0.00	
17	\$23,472.62	\$0.00	\$1,849.94	\$0.00	\$25,322.56	\$0.00	\$0.00	\$0.00	
18	\$24,176.80	\$0.00	\$1,854.25	\$0.00	\$26,031.05	\$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	\$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	\$10,917.66	\$1,501.39	\$2,052.91	\$0.00	\$14,471.96	\$0.00	\$0.00	\$0.00	
2	\$11,065.03	\$1,554.66	\$2,039.33	\$0.00	\$14,659.02	\$0.00	\$0.00	\$0.00	
3	\$11,439.50	\$1,563.86	\$2,031.65	\$0.00	\$15,035.01	\$0.00	\$0.00	\$0.00	
4	\$12,012.08	\$4,417.31	\$2,007.61	\$0.00	\$18,437.00	\$0.00	\$0.00	\$0.00	
5	\$12,468.70	\$4,417.31	\$1,983.72	\$0.00	\$18,869.72	\$0.00	\$0.00	\$0.00	
6	\$12,790.02	\$4,417.31	\$1,960.83	\$0.00	\$19,168.15	\$0.00	\$0.00	\$0.00	
7	\$13,109.92	\$4,417.31	\$1,938.66	\$0.00	\$19,464.89	\$0.00	\$0.00	\$0.00	
8	\$13,222.47	\$4,417.31	\$1,916.36	\$0.00	\$19,556.14	\$0.00	\$0.00	\$0.00	
9	\$13,551.04	\$4,417.31	\$1,894.51	\$0.00	\$19,862.86	\$0.00	\$0.00	\$0.00	
10	\$13,717.74	\$4,417.31	\$1,872.81	\$0.00	\$20,007.86	\$0.00	\$0.00	\$0.00	
11	\$14,129.27	\$4,417.31	\$1,851.28	\$0.00	\$20,397.86	\$0.00	\$0.00	\$0.00	
12	\$14,553.15	\$4,417.31	\$1,830.20	\$0.00	\$20,800.66	\$0.00	\$0.00	\$0.00	
13	\$14,989.75	\$4,417.31	\$1,833.92	\$0.00	\$21,240.97	\$0.00	\$0.00	\$0.00	
14	\$15,439.44	\$4,417.31	\$1,837.75	\$0.00	\$21,694.49	\$0.00	\$0.00	\$0.00	
15	\$15,902.62	\$4,417.31	\$1,841.69	\$0.00	\$22,161.62	\$0.00	\$0.00	\$0.00	
16	\$16,379.70	\$4,417.31	\$1,845.75	\$0.00	\$22,642.76	\$0.00	\$0.00	\$0.00	
17	\$16,871.09	\$4,417.31	\$1,849.94	\$0.00	\$23,138.34	\$0.00	\$0.00	\$0.00	
18	\$17,377.22	\$4,417.31	\$1,854.25	\$0.00	\$23,648.78	\$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	\$249,935.43	\$70,879.53	\$34,443.15	\$0.00	\$355,258.11	\$355,258.11	\$0.00	\$0.00	\$0.00

03 Aggregation Results - 2019 - Sect=RES-EEP - Tech=GSHP.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Bested	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.071632333	6.03471426	9.380745967	9.710799108	8.891080772	25.26139638
TRC Test	2.679805435	2.006206386	3.111268573	3.22220444	2.94666094	8.4497659
RIM Test	0.542974221	0.495603012	0.747256209	0.77354775	0.708250212	1.976260608
RM (Net Fuel)	0.7035549741	0.611403975	0.922251942	0.954700551	0.874111349	2.440268059
Societal Test	2.679805435	2.006206386	3.111268573	3.22220444	2.94666094	8.4497659
Participant Test	4.464258849	4.368121418	4.464258849	4.464258849	4.464258849	4.5873105

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$12,5768	\$12,5768	100.00%
Total Costs / kWh Savings	\$0.0052	\$0.0052	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$2,2211	\$2,2211	17.66%
Allocated Costs / kWh Savings	\$0.0043	\$0.0043	82.34%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$242,148.99	\$30,000.00	\$212,148.99	8.07	Utility (PAC) Test
\$379,460.45	\$141,600.00	\$237,860.45	2.68	TRC Test
\$242,148.99	\$376,607.62	(\$134,458.63)	0.64	RIM Test
\$242,148.99	\$305,146.96	(\$62,997.97)	0.79	RM (Net Fuel) Test
\$379,460.45	\$141,600.00	\$237,860.45	2.68	Societal Test
\$598,657.11	\$134,100.00	\$464,557.11	4.46	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Bested	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$139,038.61	\$109,515.07	\$208,133.31	\$218,034.90	\$193,443.35	\$684,552.82
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$29,821.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07
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	\$242,148.99	\$182,804.14	\$281,422.38	\$291,323.97	\$266,732.42	\$757,841.89
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 Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	8.07	6.09	9.38	9.71	8.89	25.26
TRC Test						
Avoided Electric Production	\$220,611.51	\$173,766.73	\$330,243.54	\$345,954.32	\$306,935.10	\$1,086,174.76
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$48,536.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09
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	\$379,460.45	\$284,078.82	\$440,555.63	\$456,266.41	\$417,247.19	\$1,196,486.85
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 Arrears	\$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	2.68	2.01	3.11	3.22	2.95	8.45
RIM Test						
Avoided Electric Production	\$139,038.61	\$109,515.07	\$208,133.31	\$218,034.90	\$193,443.35	\$684,552.82
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$29,821.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07	\$73,289.07
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	\$242,148.99	\$182,804.14	\$281,422.38	\$291,323.97	\$266,732.42	\$757,841.89
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 Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$346,607.62	\$338,851.96	\$346,607.62	\$346,607.62	\$346,607.62	\$353,422.21
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$346,607.62	\$338,851.96	\$346,607.62	\$346,607.62	\$346,607.62	\$353,422.21
Net Fuel Loss Revenue (Electric)	\$275,146.96	\$268,990.77	\$275,146.96	\$275,146.96	\$275,146.96	\$280,556.82
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$275,146.96	\$268,990.77	\$275,146.96	\$275,146.96	\$275,146.96	\$280,556.82
Test Results	0.64	0.50	0.75	0.77	0.71	1.98
Societal Test						
Avoided Electric Production	\$220,611.51	\$173,766.73	\$330,243.54	\$345,954.32	\$306,935.10	\$1,086,174.76
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$48,536.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09	\$110,312.09
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	\$379,460.45	\$284,078.82	\$440,555.63	\$456,266.41	\$417,247.19	\$1,196,486.85
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 Arrears	\$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	2.68	2.01	3.11	3.22	2.95	8.45
Participant Test						
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)	\$576,157.11	\$563,265.08	\$576,157.11	\$576,157.11	\$576,157.11	\$587,484.83
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$576,157.11	\$563,265.08	\$576,157.11	\$576,157.11	\$576,157.11	\$587,484.83
Test Results	4.46	4.37	4.46	4.46	4.46	4.55

Utility (PAC/UTC) Test	Cost Based		Market-Based			
	Bested	Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$212,148.99	\$152,804.14	\$251,422.38	\$261,323.97	\$236,732.42	\$727,841.89
Levelized Cost (kW)	\$12,5768	\$12,5768	\$12,5768	\$12,5768	\$12,5768	\$12,5768
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	\$237,860.45	\$142,478.82	\$298,955.63	\$314,666.41	\$275,647.19	\$1,054,886.85
Levelized Cost (kW)	\$59,3626	\$59,3626	\$59,3626	\$59,3626	\$59,3626	\$59,3626
Levelized Cost (kWh)	\$0.0244	\$0.0244	\$0.0244	\$0.0244	\$0.0244	\$0.0244
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$134,458.63	-\$186,047.82	-\$95,185.24	-\$85,283.64	-\$109,675.19	\$374,419.69
Net Benefits (Net Fuel)	-\$62,997.97	-\$116,196.62	-\$23,724.58	-\$13,822.99	-\$36,414.54	\$447,285.07
Societal Test						
Net Benefits	\$237,860.45	\$142,478.82	\$298,955.63	\$314,666.41	\$275,647.19	\$1,054,886.85
Levelized Cost (kW)	\$59,3626	\$59,3626	\$59,3626	\$59,3626	\$59,3626	\$59,3626
Levelized Cost (kWh)	\$0.0244	\$0.0244	\$0.0244	\$0.0244	\$0.0244	\$0.0244
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$464,557.11	\$451,665.08	\$464,557.11	\$464,557.11	\$464,557.11	\$475,884.83

Participants	kWh			Generator
	Summer MW	Winter MW	Meiler	
a	321,779	23,851	108,668	
	297,195	22,029	100,366	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$7,500.00	\$0.00	\$0.00	\$22,500.00	\$30,000.00

Present Values (PVs) of Impacts	Cost Based		Market-Based			
	Bested	Minimum	Today	Alternate	Option	

03 Aggregation Results - 2019 - Sect=RESDEEEP - Tech=GSHP.xlsx

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	9	0	9	0	9	9	\$134,100.00	\$0.00	\$134,100.00	\$134,100.00	\$0.00	\$134,100.00
2	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	9	0	9	9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	9	0	162	0	162	162	\$134,100	\$0	\$134,100	\$134,100	\$0	\$134,100

Impacts and Savings (Losses Included)																				
Year	Per Participant										Cumulative					Yearly Incremental (Per Participant * Incremental Participants)				
	kWh	kWh (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)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)
1	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
2	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
3	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
4	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
5	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
6	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
7	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
8	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
9	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
10	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
11	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
12	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
13	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
14	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
15	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
16	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
17	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	0	0	0	0
18	2,945	2,945	2,650	2,650	12,074	12,074	35,753.21	35,753.21	27	27	24	24	109	109	321,779	321,779	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	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558	645,558

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 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 Fuel	Net Fuel	Net Fuel
1	\$3,578.05	\$0.00	\$3,578.05	\$32,202.43	\$0.00	\$32,202.43	\$24,929.23	\$0.00	\$24,929.23	\$0.00	\$0.00	\$0.00
2	\$3,721.17	\$0.00	\$3,721.17	\$33,490.53	\$0.00	\$33,490.53	\$26,213.32	\$0.00	\$26,213.32	\$0.00	\$0.00	\$0.00
3	\$3,758.38	\$0.00	\$3,758.38	\$33,825.43	\$0.00	\$33,825.43	\$26,552.23	\$0.00	\$26,552.23	\$0.00	\$0.00	\$0.00
4	\$3,795.97	\$0.00	\$3,795.97	\$34,163.69	\$0.00	\$34,163.69	\$26,890.48	\$0.00	\$26,890.48	\$0.00	\$0.00	\$0.00
5	\$3,833.93	\$0.00	\$3,833.93	\$34,505.33	\$0.00	\$34,505.33	\$27,232.12	\$0.00	\$27,232.12	\$0.00	\$0.00	\$0.00
6	\$3,872.26	\$0.00	\$3,872.26	\$34,850.38	\$0.00	\$34,850.38	\$27,577.17	\$0.00	\$27,577.17	\$0.00	\$0.00	\$0.00
7	\$3,910.99	\$0.00	\$3,910.99	\$35,198.88	\$0.00	\$35,198.88	\$27,925.68	\$0.00	\$27,925.68	\$0.00	\$0.00	\$0.00
8	\$3,950.10	\$0.00	\$3,950.10	\$35,550.87	\$0.00	\$35,550.87	\$28,277.66	\$0.00	\$28,277.66	\$0.00	\$0.00	\$0.00
9	\$3,989.60	\$0.00	\$3,989.60	\$35,906.38	\$0.00	\$35,906.38	\$28,633.17	\$0.00	\$28,633.17	\$0.00	\$0.00	\$0.00
10	\$4,029.49	\$0.00	\$4,029.49	\$36,265.44	\$0.00	\$36,265.44	\$28,992.24	\$0.00	\$28,992.24	\$0.00	\$0.00	\$0.00
11	\$4,069.79	\$0.00	\$4,069.79	\$36,628.10	\$0.00	\$36,628.10	\$29,354.89	\$0.00	\$29,354.89	\$0.00	\$0.00	\$0.00
12	\$4,110.49	\$0.00	\$4,110.49	\$36,994.38	\$0.00	\$36,994.38	\$29,721.17	\$0.00	\$29,721.17	\$0.00	\$0.00	\$0.00
13	\$4,151.59	\$0.00	\$4,151.59	\$37,364.32	\$0.00	\$37,364.32	\$30,091.12	\$0.00	\$30,091.12	\$0.00	\$0.00	\$0.00
14	\$4,193.11	\$0.00	\$4,193.11	\$37,737.97	\$0.00	\$37,737.97	\$30,464.76	\$0.00	\$30,464.76	\$0.00	\$0.00	\$0.00
15	\$4,235.04	\$0.00	\$4,235.04	\$38,115.35	\$0.00	\$38,115.35	\$30,842.14	\$0.00	\$30,842.14	\$0.00	\$0.00	\$0.00
16	\$4,277.39	\$0.00	\$4,277.39	\$38,496.50	\$0.00	\$38,496.50	\$31,223.29	\$0.00	\$31,223.29	\$0.00	\$0.00	\$0.00
17	\$4,320.16	\$0.00	\$4,320.16	\$38,881.46	\$0.00	\$38,881.46	\$31,608.26	\$0.00	\$31,608.26	\$0.00	\$0.00	\$0.00
18	\$4,363.36	\$0.00	\$4,363.36	\$39,270.28	\$0.00	\$39,270.28	\$31,997.07	\$0.00	\$31,997.07	\$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	\$72,160.86	\$0.00	\$72,160.86	\$649,447.73	\$0.00	\$649,447.73	\$518,530.01	\$0.00	\$518,530.01	\$0.00	\$0.00	\$0.00

03 Aggregation Results - 2019 - Sect=RESDE-EEP - Tech=GSPH.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Energy	Other	Total	\$/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	\$0.09	\$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	\$0.09	\$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	\$16,390.51	\$0.00	\$7,874.30	\$0.00	\$24,264.80	\$0.00	\$0.00	\$0.00	
2	\$16,611.76	\$0.00	\$7,822.22	\$0.00	\$24,433.97	\$0.00	\$0.00	\$0.00	
3	\$17,173.95	\$0.00	\$7,792.74	\$0.00	\$24,966.69	\$0.00	\$0.00	\$0.00	
4	\$18,033.55	\$0.00	\$7,700.53	\$0.00	\$25,734.08	\$0.00	\$0.00	\$0.00	
5	\$18,719.06	\$0.00	\$7,608.89	\$0.00	\$26,327.95	\$0.00	\$0.00	\$0.00	
6	\$19,201.45	\$0.00	\$7,521.10	\$0.00	\$26,722.55	\$0.00	\$0.00	\$0.00	
7	\$19,690.22	\$0.00	\$7,436.07	\$0.00	\$27,126.29	\$0.00	\$0.00	\$0.00	
8	\$19,850.69	\$0.00	\$7,350.55	\$0.00	\$27,201.24	\$0.00	\$0.00	\$0.00	
9	\$20,343.96	\$0.00	\$7,266.72	\$0.00	\$27,610.69	\$0.00	\$0.00	\$0.00	
10	\$20,594.23	\$0.00	\$7,183.51	\$0.00	\$27,777.74	\$0.00	\$0.00	\$0.00	
11	\$21,212.05	\$0.00	\$7,100.92	\$0.00	\$28,312.97	\$0.00	\$0.00	\$0.00	
12	\$21,846.41	\$0.00	\$7,020.05	\$0.00	\$28,866.47	\$0.00	\$0.00	\$0.00	
13	\$22,503.87	\$0.00	\$7,034.31	\$0.00	\$29,538.18	\$0.00	\$0.00	\$0.00	
14	\$23,178.98	\$0.00	\$7,049.00	\$0.00	\$30,227.98	\$0.00	\$0.00	\$0.00	
15	\$23,874.35	\$0.00	\$7,064.13	\$0.00	\$30,938.48	\$0.00	\$0.00	\$0.00	
16	\$24,590.58	\$0.00	\$7,079.71	\$0.00	\$31,670.30	\$0.00	\$0.00	\$0.00	
17	\$25,328.30	\$0.00	\$7,095.76	\$0.00	\$32,424.06	\$0.00	\$0.00	\$0.00	
18	\$26,088.15	\$0.00	\$7,112.30	\$0.00	\$33,200.45	\$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	\$375,224.06	\$0.00	\$132,112.82	\$0.00	\$507,336.89	\$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	\$16,390.51	\$0.00	\$7,874.30	\$0.00	\$24,264.80	\$0.00	\$0.00	\$0.00	
2	\$16,611.76	\$0.00	\$7,822.22	\$0.00	\$24,433.97	\$0.00	\$0.00	\$0.00	
3	\$17,173.95	\$0.00	\$7,792.74	\$0.00	\$24,966.69	\$0.00	\$0.00	\$0.00	
4	\$18,033.55	\$0.00	\$7,700.53	\$0.00	\$25,734.08	\$0.00	\$0.00	\$0.00	
5	\$18,719.06	\$0.00	\$7,608.89	\$0.00	\$26,327.95	\$0.00	\$0.00	\$0.00	
6	\$19,201.45	\$0.00	\$7,521.10	\$0.00	\$26,722.55	\$0.00	\$0.00	\$0.00	
7	\$19,690.22	\$0.00	\$7,436.07	\$0.00	\$27,126.29	\$0.00	\$0.00	\$0.00	
8	\$19,850.69	\$0.00	\$7,350.55	\$0.00	\$27,201.24	\$0.00	\$0.00	\$0.00	
9	\$20,343.96	\$0.00	\$7,266.72	\$0.00	\$27,610.69	\$0.00	\$0.00	\$0.00	
10	\$20,594.23	\$0.00	\$7,183.51	\$0.00	\$27,777.74	\$0.00	\$0.00	\$0.00	
11	\$21,212.05	\$0.00	\$7,100.92	\$0.00	\$28,312.97	\$0.00	\$0.00	\$0.00	
12	\$21,846.41	\$0.00	\$7,020.05	\$0.00	\$28,866.47	\$0.00	\$0.00	\$0.00	
13	\$22,503.87	\$0.00	\$7,034.31	\$0.00	\$29,538.18	\$0.00	\$0.00	\$0.00	
14	\$23,178.98	\$0.00	\$7,049.00	\$0.00	\$30,227.98	\$0.00	\$0.00	\$0.00	
15	\$23,874.35	\$0.00	\$7,064.13	\$0.00	\$30,938.48	\$0.00	\$0.00	\$0.00	
16	\$24,590.58	\$0.00	\$7,079.71	\$0.00	\$31,670.30	\$0.00	\$0.00	\$0.00	
17	\$25,328.30	\$0.00	\$7,095.76	\$0.00	\$32,424.06	\$0.00	\$0.00	\$0.00	
18	\$26,088.15	\$0.00	\$7,112.30	\$0.00	\$33,200.45	\$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	\$11,780.78	\$1,263.98	\$7,874.30	\$0.00	\$20,919.05	\$0.00	\$0.00	\$0.00	
2	\$11,939.80	\$1,308.82	\$7,822.22	\$0.00	\$21,070.84	\$0.00	\$0.00	\$0.00	
3	\$12,340.88	\$1,316.57	\$7,792.74	\$0.00	\$21,450.19	\$0.00	\$0.00	\$0.00	
4	\$12,961.73	\$3,718.80	\$7,700.53	\$0.00	\$24,381.05	\$0.00	\$0.00	\$0.00	
5	\$13,454.44	\$3,718.80	\$7,608.89	\$0.00	\$24,782.13	\$0.00	\$0.00	\$0.00	
6	\$13,801.16	\$3,718.80	\$7,521.10	\$0.00	\$25,041.06	\$0.00	\$0.00	\$0.00	
7	\$14,145.28	\$3,718.80	\$7,436.07	\$0.00	\$25,300.15	\$0.00	\$0.00	\$0.00	
8	\$14,267.80	\$3,718.80	\$7,350.55	\$0.00	\$25,337.15	\$0.00	\$0.00	\$0.00	
9	\$14,622.35	\$3,718.80	\$7,266.72	\$0.00	\$25,607.87	\$0.00	\$0.00	\$0.00	
10	\$14,802.23	\$3,718.80	\$7,183.51	\$0.00	\$25,704.54	\$0.00	\$0.00	\$0.00	
11	\$15,246.30	\$3,718.80	\$7,100.92	\$0.00	\$26,060.01	\$0.00	\$0.00	\$0.00	
12	\$15,703.68	\$3,718.80	\$7,020.05	\$0.00	\$26,442.53	\$0.00	\$0.00	\$0.00	
13	\$16,174.79	\$3,718.80	\$7,034.31	\$0.00	\$26,927.90	\$0.00	\$0.00	\$0.00	
14	\$16,660.04	\$3,718.80	\$7,049.00	\$0.00	\$27,427.84	\$0.00	\$0.00	\$0.00	
15	\$17,159.84	\$3,718.80	\$7,064.13	\$0.00	\$27,942.77	\$0.00	\$0.00	\$0.00	
16	\$17,674.63	\$3,718.80	\$7,079.71	\$0.00	\$28,473.14	\$0.00	\$0.00	\$0.00	
17	\$18,204.87	\$3,718.80	\$7,095.76	\$0.00	\$29,019.43	\$0.00	\$0.00	\$0.00	
18	\$18,751.02	\$3,718.80	\$7,112.30	\$0.00	\$29,582.11	\$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	\$269,694.63	\$59,671.30	\$132,112.82	\$0.00	\$461,478.76	\$461,478.76	\$0.00	\$0.00	

04 Aggregation Results - 2019 - Sect=RES-EEP - Tech=CAL.xlsx

Cost / Benefit Tests For Normal Weather					
	Cost Based		Market-Based		
	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	2.98903663	2.09175901	3.329558398	3.4708096	3.119849009
TRC Test	11.4421559	7.903421728	12.61112587	13.14834447	11.81354125
RIM Test	0.508828283	0.363123526	0.564930946	0.589897239	0.529349253
RM (Net Fuel)	0.6115916448	0.43101773	0.60326495	0.712826743	0.640755268
Societal Test	11.4421559	7.903421728	12.61112587	13.14834447	11.81354125
Participant Test	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF			
100% Allocation	Nominal		% Allocation
	Levelized	Levelized	
Total Costs / kW Savings	\$56.7736	\$56.7736	100.00%
Total Cost / 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	\$14.2136	\$14.2136	25.04%
Allocated Costs / kWh Savings	\$0.0099	\$0.0099	74.96%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$32,987.94	\$11,000.00	\$21,987.94	3.00	Utility (PAC) Test
\$48,629.16	\$4,250.00	\$44,379.16	11.44	TRC Test
\$32,987.94	\$64,831.18	(\$31,843.24)	0.51	RIM Test
\$32,987.94	\$53,559.12	(\$20,571.18)	0.62	RM (Net Fuel) Test
\$48,629.16	\$4,250.00	\$44,379.16	11.44	Societal Test
\$90,302.49	\$0.00	\$90,302.49	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
Utility (PAC) Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	\$21,721.60	\$18,997.31	\$32,613.10	\$34,166.87	\$30,306.30	\$100,175.90
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$7,254.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04
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	\$32,987.94	\$23,009.35	\$36,625.14	\$38,178.91	\$34,318.34	\$104,187.94
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 Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	3.00	2.09	3.33	3.47	3.12	9.47
TRC Test						
Avoided Electric Production	\$31,918.83	\$27,915.62	\$47,923.36	\$50,206.54	\$44,533.63	\$147,203.58
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$11,036.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93
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	\$48,629.16	\$33,589.54	\$53,597.28	\$55,880.46	\$50,207.55	\$152,877.51
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 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
RIM Test						
Avoided Electric Production	\$21,721.60	\$18,997.31	\$32,613.10	\$34,166.87	\$30,306.30	\$100,175.90
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$7,254.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04	\$4,012.04
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	\$32,987.94	\$23,009.35	\$36,625.14	\$38,178.91	\$34,318.34	\$104,187.94
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 Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$53,831.18	\$52,365.07	\$53,831.18	\$53,831.18	\$53,831.18	\$54,751.79
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$53,831.18	\$52,365.07	\$53,831.18	\$53,831.18	\$53,831.18	\$54,751.79
Net Fuel Lost Revenue (Electric)	\$42,559.12	\$41,400.95	\$42,559.12	\$42,559.12	\$42,559.12	\$43,287.44
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$42,559.12	\$41,400.95	\$42,559.12	\$42,559.12	\$42,559.12	\$43,287.44
Test Results	0.51	0.36	0.56	0.59	0.53	1.58
Societal Test						
Avoided Electric Production	\$31,918.83	\$27,915.62	\$47,923.36	\$50,206.54	\$44,533.63	\$147,203.58
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$11,036.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93	\$5,673.93
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	\$48,629.16	\$33,589.54	\$53,597.28	\$55,880.46	\$50,207.55	\$152,877.51
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 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
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)	\$83,552.49	\$81,276.90	\$83,552.49	\$83,552.49	\$83,552.49	\$84,981.37
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$83,552.49	\$81,276.90	\$83,552.49	\$83,552.49	\$83,552.49	\$84,981.37
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

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

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

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

Net Benefits	Levelized Cost (kW)	Levelized Cost (kWh)	Levelized Cost (CCF)
\$44,379.16	\$21.9353	\$0.0051	\$0.0000
\$29,339.54	\$21.9353	\$0.0051	\$0.0000
\$49,347.28	\$21.9353	\$0.0051	\$0.0000
\$51,630.46	\$21.9353	\$0.0051	\$0.0000
\$45,957.55	\$21.9353	\$0.0051	\$0.0000
\$148,627.51	\$21.9353	\$0.0051	\$0.0000

Net Benefits	Levelized Cost (kW)	Levelized Cost (kWh)	Levelized Cost (CCF)
(\$31,843.24)	\$21.9353	\$0.0051	\$0.0000
(\$40,355.72)	\$21.9353	\$0.0051	\$0.0000
(\$26,206.04)	\$21.9353	\$0.0051	\$0.0000
(\$26,652.28)	\$21.9353	\$0.0051	\$0.0000
(\$30,512.85)	\$21.9353	\$0.0051	\$0.0000
\$38,436.15	\$21.9353	\$0.0051	\$0.0000

Net Benefits	Levelized Cost (kW)	Levelized Cost (kWh)	Levelized Cost (CCF)
\$44,379.16	\$21.9353	\$0.0051	\$0.0000
\$29,339.54	\$21.9353	\$0.0051	\$0.0000
\$49,347.28	\$21.9353	\$0.0051	\$0.0000
\$51,630.46	\$21.9353	\$0.0051	\$0.0000
\$45,957.55	\$21.9353	\$0.0051	\$0.0000
\$148,627.51	\$21.9353	\$0.0051	\$0.0000

Net Benefits	Levelized Cost (kW)	Levelized Cost (kWh)	Levelized Cost (CCF)
(\$31,843.24)	\$21.9353	\$0.0051	\$0.0000
(\$20,571.18)	\$21.9353	\$0.0051	\$0.0000
(\$29,331.60)	\$21.9353	\$0.0051	\$0.0000
(\$16,933.97)	\$21.9353	\$0.0051	\$0.0000
(\$15,380.21)	\$21.9353	\$0.0051	\$0.0000
(\$19,240.78)	\$21.9353	\$0.0051	\$0.0000
\$49,900.49	\$21.9353	\$0.0051	\$0.0000

Net Benefits	Levelized Cost (kW)	Levelized Cost (kWh)	Levelized Cost (CCF)
\$44			

04 Aggregation Results - 2019 - Sect=RES-EEP - Tech=CAL.xlsx

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	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)																										
Year	Per Participant										Electric Impacts / Savings															
	kW		Summer Coin kW		Winter Coin kW		kWh		kWh (net)		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	0	0	0	0	0	0	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	0	0
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	0.045	0.045	0.004	0.004	0.004	0.004	36.90	36.90	68	68	6	6	6	6	830,227	830,227	68	68	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	Net Fuel	Net Fuel
1	\$3.87	\$0.00	\$3.87	\$5,904.35	\$0.00	\$5,904.35	\$4,253.31	\$0.00	\$4,253.31
2	\$3.82	\$0.00	\$3.82	\$5,724.53	\$0.00	\$5,724.53	\$4,473.48	\$0.00	\$4,473.48
3	\$3.85	\$0.00	\$3.85	\$5,781.77	\$0.00	\$5,781.77	\$4,530.72	\$0.00	\$4,530.72
4	\$3.89	\$0.00	\$3.89	\$5,839.59	\$0.00	\$5,839.59	\$4,588.54	\$0.00	\$4,588.54
5	\$3.83	\$0.00	\$3.83	\$5,897.99	\$0.00	\$5,897.99	\$4,646.94	\$0.00	\$4,646.94
6	\$3.87	\$0.00	\$3.87	\$5,956.97	\$0.00	\$5,956.97	\$4,705.92	\$0.00	\$4,705.92
7	\$4.01	\$0.00	\$4.01	\$6,016.54	\$0.00	\$6,016.54	\$4,765.49	\$0.00	\$4,765.49
8	\$4.05	\$0.00	\$4.05	\$6,076.70	\$0.00	\$6,076.70	\$4,825.65	\$0.00	\$4,825.65
9	\$4.09	\$0.00	\$4.09	\$6,137.47	\$0.00	\$6,137.47	\$4,886.42	\$0.00	\$4,886.42
10	\$4.13	\$0.00	\$4.13	\$6,198.94	\$0.00	\$6,198.94	\$4,947.80	\$0.00	\$4,947.80
11	\$4.17	\$0.00	\$4.17	\$6,260.83	\$0.00	\$6,260.83	\$5,009.78	\$0.00	\$5,009.78
12	\$4.22	\$0.00	\$4.22	\$6,323.44	\$0.00	\$6,323.44	\$5,072.39	\$0.00	\$5,072.39
13	\$4.26	\$0.00	\$4.26	\$6,386.88	\$0.00	\$6,386.88	\$5,135.63	\$0.00	\$5,135.63
14	\$4.30	\$0.00	\$4.30	\$6,450.54	\$0.00	\$6,450.54	\$5,199.49	\$0.00	\$5,199.49
15	\$4.34	\$0.00	\$4.34	\$6,515.05	\$0.00	\$6,515.05	\$5,264.00	\$0.00	\$5,264.00
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	\$60.71	\$0.00	\$60.71	\$91,071.29	\$0.00	\$91,071.29	\$72,305.56	\$0.00	\$72,305.56

04 Aggregation Results - 2019 - Sect=RES-EEP - Tech=CAL.xlsx

Utility Program Costs (Losses Included)										
Year	Overall Costs				Total	Total Costs per kW, kWh, and CCF Saved				
	Administration	Implementation	Enrollment	Other		\$/kW	\$/kWh (net)	\$/kWh	\$/kWh (net)	\$/CCF
1	\$2,200.00	\$2,050.00	\$6,750.00	\$0.00	\$11,000.00	\$851.60	\$851.60	\$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
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	\$2,200.00	\$2,050.00	\$6,750.00	\$0.00	\$11,000.00	\$851.60	\$851.60	\$0.20	\$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
1	\$2,874.20	\$0.00	\$467.99	\$0.00	\$3,342.19	\$0.00	\$0.00
2	\$2,913.00	\$0.00	\$464.89	\$0.00	\$3,377.89	\$0.00	\$0.00
3	\$3,011.59	\$0.00	\$463.14	\$0.00	\$3,474.73	\$0.00	\$0.00
4	\$3,162.32	\$0.00	\$457.66	\$0.00	\$3,619.98	\$0.00	\$0.00
5	\$3,282.53	\$0.00	\$452.21	\$0.00	\$3,734.75	\$0.00	\$0.00
6	\$3,367.12	\$0.00	\$447.00	\$0.00	\$3,814.12	\$0.00	\$0.00
7	\$3,451.08	\$0.00	\$441.94	\$0.00	\$3,893.02	\$0.00	\$0.00
8	\$3,490.97	\$0.00	\$436.86	\$0.00	\$3,917.83	\$0.00	\$0.00
9	\$3,567.47	\$0.00	\$431.88	\$0.00	\$3,999.35	\$0.00	\$0.00
10	\$3,611.36	\$0.00	\$426.93	\$0.00	\$4,038.29	\$0.00	\$0.00
11	\$3,719.70	\$0.00	\$422.02	\$0.00	\$4,141.72	\$0.00	\$0.00
12	\$3,811.29	\$0.00	\$417.22	\$0.00	\$4,248.51	\$0.00	\$0.00
13	\$3,946.23	\$0.00	\$418.07	\$0.00	\$4,364.29	\$0.00	\$0.00
14	\$4,064.62	\$0.00	\$418.94	\$0.00	\$4,483.55	\$0.00	\$0.00
15	\$4,186.55	\$0.00	\$419.84	\$0.00	\$4,606.39	\$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	\$52,470.04	\$0.00	\$6,586.60	\$0.00	\$59,056.63	\$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	\$2,874.20	\$0.00	\$467.99	\$0.00	\$3,342.19	\$0.00	\$0.00	\$0.00
2	\$2,913.00	\$0.00	\$464.89	\$0.00	\$3,377.89	\$0.00	\$0.00	\$0.00
3	\$3,011.59	\$0.00	\$463.14	\$0.00	\$3,474.73	\$0.00	\$0.00	\$0.00
4	\$3,162.32	\$0.00	\$457.66	\$0.00	\$3,619.98	\$0.00	\$0.00	\$0.00
5	\$3,282.53	\$0.00	\$452.21	\$0.00	\$3,734.75	\$0.00	\$0.00	\$0.00
6	\$3,367.12	\$0.00	\$447.00	\$0.00	\$3,814.12	\$0.00	\$0.00	\$0.00
7	\$3,451.08	\$0.00	\$441.94	\$0.00	\$3,893.02	\$0.00	\$0.00	\$0.00
8	\$3,490.97	\$0.00	\$436.86	\$0.00	\$3,917.83	\$0.00	\$0.00	\$0.00
9	\$3,567.47	\$0.00	\$431.88	\$0.00	\$3,999.35	\$0.00	\$0.00	\$0.00
10	\$3,611.36	\$0.00	\$426.93	\$0.00	\$4,038.29	\$0.00	\$0.00	\$0.00
11	\$3,719.70	\$0.00	\$422.02	\$0.00	\$4,141.72	\$0.00	\$0.00	\$0.00
12	\$3,811.29	\$0.00	\$417.22	\$0.00	\$4,248.51	\$0.00	\$0.00	\$0.00
13	\$3,946.23	\$0.00	\$418.07	\$0.00	\$4,364.29	\$0.00	\$0.00	\$0.00
14	\$4,064.62	\$0.00	\$418.94	\$0.00	\$4,483.55	\$0.00	\$0.00	\$0.00
15	\$4,186.55	\$0.00	\$419.84	\$0.00	\$4,606.39	\$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				Total	Cumulative Gas	
	Energy	Capacity	T&D	Auxiliary		Gas Distribution	Gas Commodity
1	\$2,060.04	\$342.26	\$467.99	\$0.00	\$2,870.29	\$0.00	\$0.00
2	\$2,087.85	\$354.40	\$464.89	\$0.00	\$2,907.15	\$0.00	\$0.00
3	\$2,150.51	\$356.50	\$463.14	\$0.00	\$2,978.15	\$0.00	\$0.00
4	\$2,266.55	\$1,006.99	\$457.66	\$0.00	\$3,731.20	\$0.00	\$0.00
5	\$2,352.71	\$1,006.99	\$452.21	\$0.00	\$3,811.91	\$0.00	\$0.00
6	\$2,413.34	\$1,006.99	\$447.00	\$0.00	\$3,867.32	\$0.00	\$0.00
7	\$2,473.51	\$1,006.99	\$441.94	\$0.00	\$3,922.44	\$0.00	\$0.00
8	\$2,494.94	\$1,006.99	\$436.86	\$0.00	\$3,938.78	\$0.00	\$0.00
9	\$2,556.93	\$1,006.99	\$431.88	\$0.00	\$3,995.80	\$0.00	\$0.00
10	\$2,586.39	\$1,006.99	\$426.93	\$0.00	\$4,022.31	\$0.00	\$0.00
11	\$2,666.04	\$1,006.99	\$422.02	\$0.00	\$4,095.05	\$0.00	\$0.00
12	\$2,746.02	\$1,006.99	\$417.22	\$0.00	\$4,170.22	\$0.00	\$0.00
13	\$2,828.40	\$1,006.99	\$418.07	\$0.00	\$4,253.45	\$0.00	\$0.00
14	\$2,913.25	\$1,006.99	\$418.94	\$0.00	\$4,339.19	\$0.00	\$0.00
15	\$3,000.65	\$1,006.99	\$419.84	\$0.00	\$4,427.47	\$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	\$37,607.14	\$13,136.99	\$6,586.60	\$0.00	\$57,330.73	\$57,330.73	\$0.00

05 Aggregation Results - 2019 - Sect=RES-EEP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Best	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	6.821228586	4.812986096	7.534972208	7.810724892	7.125593856	20.71945012
TRC Test	3.076867933	2.139433052	3.410447959	3.539167294	3.219469322	9.564407466
RIM Test	0.64995434	0.461503843	0.707581198	0.733485828	0.66914687	1.911945768
RM (Net Fuel)	0.709541925	0.35743005	0.570430178	0.322297144	0.322150248	2.352948305
Societal Test	3.076867933	2.139433052	3.410447959	3.539167294	3.219469322	9.564407466
Participant Test	5.62271158	5.499216993	6.62271158	6.62271158	5.62271158	5.72863094

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$20.9623	\$20.9623	100.00%
Total Cost / kWh Savings	\$0.0062	\$0.0062	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	\$5.3053	\$5.3053	25.31%
Allocated Costs / kWh Savings	\$0.0047	\$0.0047	74.69%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
	Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio
Utility (PAC) Test	\$519,092.14	\$76,000.00	\$444,092.14	6.82
TRC Test	\$779,524.49	\$253,350.00	\$526,174.49	3.08
RIM Test	\$519,092.14	\$798,658.00	(\$279,565.91)	0.65
RM (Net Fuel) Test	\$519,092.14	\$649,236.93	(\$130,144.79)	0.80
Societal Test	\$779,524.49	\$253,350.00	\$526,174.49	3.08
Participant Test	\$1,237,558.82	\$220,100.00	\$1,017,458.82	5.62

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Best	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
Avoided Electric Production	\$290,406.75	\$230,690.88	\$434,832.34	\$455,521.29	\$404,136.46	\$1,423,675.68
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$88,402.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08
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	\$519,092.14	\$360,973.96	\$665,115.42	\$685,804.37	\$534,419.54	\$1,553,958.76
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 Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	6.82	4.81	7.53	7.81	7.13	20.72
TRC Test						
Avoided Electric Production	\$457,773.33	\$363,405.11	\$685,416.64	\$718,027.78	\$637,032.29	\$2,244,522.37
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$143,130.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26
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	\$779,524.49	\$542,025.36	\$864,036.90	\$896,648.03	\$815,652.55	\$2,423,142.63
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 Arrears	\$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	3.08	2.14	3.41	3.54	3.22	9.56
RIM Test						
Avoided Electric Production	\$290,406.75	\$230,690.88	\$434,832.34	\$455,521.29	\$404,136.46	\$1,423,675.68
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$88,402.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08	\$130,283.08
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	\$519,092.14	\$360,973.96	\$665,115.42	\$685,804.37	\$534,419.54	\$1,553,958.76
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	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$723,658.06	\$707,168.91	\$723,658.06	\$723,658.06	\$723,658.06	\$737,762.99
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$723,658.06	\$707,168.91	\$723,658.06	\$723,658.06	\$723,658.06	\$737,762.99
Net Fuel Loss Revenue (Electric)	\$574,236.93	\$561,155.92	\$574,236.93	\$574,236.93	\$574,236.93	\$585,430.47
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$574,236.93	\$561,155.92	\$574,236.93	\$574,236.93	\$574,236.93	\$585,430.47
Test Results	0.65	0.46	0.71	0.73	0.67	1.91
0.80	0.57	0.87	0.90	0.82	2.35	
Societal Test						
Avoided Electric Production	\$457,773.33	\$363,405.11	\$685,416.64	\$718,027.78	\$637,032.29	\$2,244,522.37
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$143,130.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26	\$178,620.26
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	\$779,524.49	\$542,025.36	\$864,036.90	\$896,648.03	\$815,652.55	\$2,423,142.63
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 Arrears	\$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	3.08	2.14	3.41	3.54	3.22	9.56
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)	\$1,195,808.82	\$1,168,607.85	\$1,195,808.82	\$1,195,808.82	\$1,195,808.82	\$1,219,121.67
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,195,808.82	\$1,168,607.85	\$1,195,808.82	\$1,195,808.82	\$1,195,808.82	\$1,219,121.67
Test Results	5.62	5.50	5.62	5.62	5.62	5.73

Utility (PAC/UTC) Test	Cost Based		Market-Based			
	Best	Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$444,092.14	\$285,973.96	\$490,115.42	\$510,804.37	\$459,419.54	\$1,478,958.76
Levelized Cost (kW)	\$20.9623	\$20.9623	\$20.9623	\$20.9623	\$20.9623	\$20.9623
Levelized Cost (kWh)	\$0.0062	\$0.0062	\$0.0062	\$0.0062	\$0.0062	\$0.0062
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$526,174.49	\$288,675.36	\$610,686.90	\$643,298.03	\$562,302.55	\$2,169,792.63
Levelized Cost (kW)	\$70.8107	\$70.8107	\$70.8107	\$70.8107	\$70.8107	\$70.8107
Levelized Cost (kWh)	\$0.0211	\$0.0211	\$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	(\$279,565.91)	(\$421,194.95)	(\$233,542.64)	(\$212,853.69)	(\$264,238.52)	\$741,195.77
Net Benefits (Net Fuel)	(\$130,144.79)	(\$275,181.96)	(\$84,121.51)	(\$63,432.56)	(\$114,817.39)	\$893,528.29
Societal Test						
Net Benefits	\$526,174.49	\$288,675.36	\$610,686.90	\$643,298.03	\$562,302.55	\$2,169,792.63
Levelized Cost (kW)	\$70.8107	\$70.8107	\$70.8107	\$70.8107	\$70.8107	\$70.8107
Levelized Cost (kWh)	\$0.0211	\$0.0211	\$0.0211	\$0.0211	\$0.0211	\$0.0207
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$1,017,458.82	\$990,257.85	\$1,017,458.82	\$1,017,458.82	\$1,017,458.82	\$1,040,771.67

Participants	kWh			Summer MW		Winter kW		Generator Meter
	2190	695,829	642,668	547,441	505,616	115,126	106,331	
Administration Costs	\$20,575.00	\$20,575.00	\$20,575.00	\$20,575.				

05 Aggregation Results - 2019 - Sect=RES-EEP - Tech=ALL.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 Costs	Total	One-Time Investment	Annual	Total Costs
1	2190	0	2190	0	2190	2190	\$220,100.00	\$0.00	\$220,100.00	\$220,100.00	\$0.00	\$220,100.00
2	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	1529	0	1529	1529	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	29	0	29	29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	29	0	29	29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	29	0	29	29	\$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	2,190	0	23,683	0	23,683	23,683	\$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)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.281	0.281	0.290	0.290	0.053	0.053	317.73	317.73	615	547	547	615	547	547	115	115	695,829	695,829
2	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
3	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
4	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
5	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
6	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
7	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
8	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
9	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
10	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
11	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
12	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
13	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
14	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
15	0.082	0.082	0.038	0.038	0.075	0.075	441.68	441.68	126	126	126	126	59	59	115	115	675,331	675,331
16	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	58	58	52	52	109	109	619,983	619,983
17	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	58	58	52	52	109	109	619,983	619,983
18	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	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	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	70.637	70.637	70.637	70.637	115	115	12,010.412	12,010.412	695,829	695,829	695,829	695,829	695,829	695,829	695,829	695,829	695,829	695,829

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	\$31.76	\$0.00	\$31.76	\$69,555.79	\$0.00	\$69,555.79	\$53,827.87	\$0.00	\$53,827.87	
2	\$45.95	\$0.00	\$45.95	\$70,251.90	\$0.00	\$70,251.90	\$54,987.31	\$0.00	\$54,987.31	
3	\$46.41	\$0.00	\$46.41	\$70,954.42	\$0.00	\$70,954.42	\$55,689.83	\$0.00	\$55,689.83	
4	\$46.87	\$0.00	\$46.87	\$71,663.96	\$0.00	\$71,663.96	\$56,399.37	\$0.00	\$56,399.37	
5	\$47.34	\$0.00	\$47.34	\$72,380.60	\$0.00	\$72,380.60	\$57,116.01	\$0.00	\$57,116.01	
6	\$47.81	\$0.00	\$47.81	\$73,104.41	\$0.00	\$73,104.41	\$57,839.82	\$0.00	\$57,839.82	
7	\$48.29	\$0.00	\$48.29	\$73,835.45	\$0.00	\$73,835.45	\$58,570.86	\$0.00	\$58,570.86	
8	\$48.77	\$0.00	\$48.77	\$74,573.81	\$0.00	\$74,573.81	\$59,309.22	\$0.00	\$59,309.22	
9	\$49.26	\$0.00	\$49.26	\$75,319.55	\$0.00	\$75,319.55	\$60,054.96	\$0.00	\$60,054.96	
10	\$49.75	\$0.00	\$49.75	\$76,072.74	\$0.00	\$76,072.74	\$60,808.15	\$0.00	\$60,808.15	
11	\$50.25	\$0.00	\$50.25	\$76,833.47	\$0.00	\$76,833.47	\$61,568.88	\$0.00	\$61,568.88	
12	\$50.75	\$0.00	\$50.75	\$77,601.80	\$0.00	\$77,601.80	\$62,337.21	\$0.00	\$62,337.21	
13	\$51.26	\$0.00	\$51.26	\$78,377.82	\$0.00	\$78,377.82	\$63,113.23	\$0.00	\$63,113.23	
14	\$51.77	\$0.00	\$51.77	\$79,161.60	\$0.00	\$79,161.60	\$63,897.01	\$0.00	\$63,897.01	
15	\$52.29	\$0.00	\$52.29	\$79,953.22	\$0.00	\$79,953.22	\$64,688.63	\$0.00	\$64,688.63	
16	\$2,557.67	\$0.00	\$2,557.67	\$74,172.55	\$0.00	\$74,172.55	\$60,159.01	\$0.00	\$60,159.01	
17	\$2,583.25	\$0.00	\$2,583.25	\$74,914.28	\$0.00	\$74,914.28	\$60,900.73	\$0.00	\$60,900.73	
18	\$2,609.08	\$0.00	\$2,609.08	\$75,663.42	\$0.00	\$75,663.42	\$61,649.88	\$0.00	\$61,649.88	
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	\$8,468.55	\$0.00	\$8,468.55	\$1,344,390.78	\$0.00	\$1,344,390.78	\$1,072,917.98	\$0.00	\$1,072,917.98	

05 Aggregation Results - 2019 - Sect=RES-D-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	\$113.20	\$113.20	\$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	\$113.20	\$113.20	\$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	\$35,570.47	\$0.00	\$44,269.96	\$0.00	\$79,840.43	\$0.00	\$0.00	\$0.00	
2	\$34,919.45	\$0.00	\$10,326.44	\$0.00	\$45,245.89	\$0.00	\$0.00	\$0.00	
3	\$36,101.22	\$0.00	\$10,287.53	\$0.00	\$46,388.75	\$0.00	\$0.00	\$0.00	
4	\$37,909.19	\$0.00	\$10,165.80	\$0.00	\$48,074.99	\$0.00	\$0.00	\$0.00	
5	\$38,349.19	\$0.00	\$10,044.83	\$0.00	\$48,394.02	\$0.00	\$0.00	\$0.00	
6	\$40,363.23	\$0.00	\$9,928.93	\$0.00	\$50,292.15	\$0.00	\$0.00	\$0.00	
7	\$41,369.64	\$0.00	\$9,816.67	\$0.00	\$51,186.31	\$0.00	\$0.00	\$0.00	
8	\$41,727.98	\$0.00	\$9,703.78	\$0.00	\$51,431.76	\$0.00	\$0.00	\$0.00	
9	\$42,764.89	\$0.00	\$9,593.11	\$0.00	\$52,358.00	\$0.00	\$0.00	\$0.00	
10	\$43,290.97	\$0.00	\$9,483.26	\$0.00	\$52,774.23	\$0.00	\$0.00	\$0.00	
11	\$44,589.70	\$0.00	\$9,374.23	\$0.00	\$53,963.93	\$0.00	\$0.00	\$0.00	
12	\$45,927.39	\$0.00	\$9,267.47	\$0.00	\$55,194.86	\$0.00	\$0.00	\$0.00	
13	\$47,305.21	\$0.00	\$9,286.29	\$0.00	\$56,591.51	\$0.00	\$0.00	\$0.00	
14	\$48,724.37	\$0.00	\$9,305.69	\$0.00	\$58,030.06	\$0.00	\$0.00	\$0.00	
15	\$50,186.10	\$0.00	\$9,325.66	\$0.00	\$59,511.76	\$0.00	\$0.00	\$0.00	
16	\$47,371.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00	\$0.00	
17	\$46,800.92	\$0.00	\$8,945.70	\$0.00	\$55,746.62	\$0.00	\$0.00	\$0.00	
18	\$50,264.95	\$0.00	\$8,966.54	\$0.00	\$59,231.49	\$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	\$776,543.44	\$0.00	\$207,017.33	\$0.00	\$983,560.77	\$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	\$35,570.47	\$0.00	\$44,269.96	\$0.00	\$79,840.43	\$0.00	\$0.00	\$0.00	
2	\$34,919.45	\$0.00	\$10,326.44	\$0.00	\$45,245.89	\$0.00	\$0.00	\$0.00	
3	\$36,101.22	\$0.00	\$10,287.53	\$0.00	\$46,388.75	\$0.00	\$0.00	\$0.00	
4	\$37,909.19	\$0.00	\$10,165.80	\$0.00	\$48,074.99	\$0.00	\$0.00	\$0.00	
5	\$38,349.19	\$0.00	\$10,044.83	\$0.00	\$48,394.02	\$0.00	\$0.00	\$0.00	
6	\$40,363.23	\$0.00	\$9,928.93	\$0.00	\$50,292.15	\$0.00	\$0.00	\$0.00	
7	\$41,369.64	\$0.00	\$9,816.67	\$0.00	\$51,186.31	\$0.00	\$0.00	\$0.00	
8	\$41,727.98	\$0.00	\$9,703.78	\$0.00	\$51,431.76	\$0.00	\$0.00	\$0.00	
9	\$42,764.89	\$0.00	\$9,593.11	\$0.00	\$52,358.00	\$0.00	\$0.00	\$0.00	
10	\$43,290.97	\$0.00	\$9,483.26	\$0.00	\$52,774.23	\$0.00	\$0.00	\$0.00	
11	\$44,589.70	\$0.00	\$9,374.23	\$0.00	\$53,963.93	\$0.00	\$0.00	\$0.00	
12	\$45,927.39	\$0.00	\$9,267.47	\$0.00	\$55,194.86	\$0.00	\$0.00	\$0.00	
13	\$47,305.21	\$0.00	\$9,286.29	\$0.00	\$56,591.51	\$0.00	\$0.00	\$0.00	
14	\$48,724.37	\$0.00	\$9,305.69	\$0.00	\$58,030.06	\$0.00	\$0.00	\$0.00	
15	\$50,186.10	\$0.00	\$9,325.66	\$0.00	\$59,511.76	\$0.00	\$0.00	\$0.00	
16	\$47,371.53	\$0.00	\$8,925.47	\$0.00	\$56,305.00	\$0.00	\$0.00	\$0.00	
17	\$46,800.92	\$0.00	\$8,945.70	\$0.00	\$55,746.62	\$0.00	\$0.00	\$0.00	
18	\$50,264.95	\$0.00	\$8,966.54	\$0.00	\$59,231.49	\$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	\$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	\$25,553.08	\$29,011.63	\$44,269.96	\$0.00	\$98,834.67	\$0.00	\$0.00	\$0.00	
2	\$25,092.69	\$3,217.88	\$10,326.44	\$0.00	\$38,637.00	\$0.00	\$0.00	\$0.00	
3	\$25,941.89	\$3,296.93	\$10,287.53	\$0.00	\$39,466.36	\$0.00	\$0.00	\$0.00	
4	\$27,240.36	\$9,143.09	\$10,165.80	\$0.00	\$46,549.25	\$0.00	\$0.00	\$0.00	
5	\$28,275.84	\$9,143.09	\$10,044.83	\$0.00	\$47,463.76	\$0.00	\$0.00	\$0.00	
6	\$29,004.52	\$9,143.09	\$9,928.93	\$0.00	\$48,076.53	\$0.00	\$0.00	\$0.00	
7	\$29,727.71	\$9,143.09	\$9,816.67	\$0.00	\$48,687.48	\$0.00	\$0.00	\$0.00	
8	\$29,985.21	\$9,143.09	\$9,703.78	\$0.00	\$48,832.08	\$0.00	\$0.00	\$0.00	
9	\$30,730.32	\$9,143.09	\$9,593.11	\$0.00	\$49,466.53	\$0.00	\$0.00	\$0.00	
10	\$31,108.36	\$9,143.09	\$9,483.26	\$0.00	\$49,734.71	\$0.00	\$0.00	\$0.00	
11	\$32,041.61	\$9,143.09	\$9,374.23	\$0.00	\$50,555.93	\$0.00	\$0.00	\$0.00	
12	\$33,002.86	\$9,143.09	\$9,267.47	\$0.00	\$51,413.42	\$0.00	\$0.00	\$0.00	
13	\$33,992.94	\$9,143.09	\$9,286.29	\$0.00	\$52,422.33	\$0.00	\$0.00	\$0.00	
14	\$35,012.73	\$9,143.09	\$9,305.69	\$0.00	\$53,481.51	\$0.00	\$0.00	\$0.00	
15	\$36,063.11	\$9,143.09	\$9,325.66	\$0.00	\$54,531.86	\$0.00	\$0.00	\$0.00	
16	\$34,054.34	\$8,136.10	\$8,925.47	\$0.00	\$51,115.91	\$0.00	\$0.00	\$0.00	
17	\$35,075.97	\$8,136.10	\$8,945.70	\$0.00	\$52,157.77	\$0.00	\$0.00	\$0.00	
18	\$36,128.24	\$8,136.10	\$8,966.54	\$0.00	\$53,230.89	\$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	\$558,031.79	\$169,591.83	\$207,017.33	\$0.00	\$934,640.96	\$934,640.96	\$0.00	\$0.00	\$0.00

06 Aggregation Results - 2019 - Sect=COMMEEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Base	Minimum	Today		Option	
			Alternate	Option	Maximum	
Utility (PAC) Test	8.845434597	6.807135296	10.61695319	11.08133305	9.926943111	28.6381695
TRC Test	2.587634015	1.98328339	3.053642025	3.187625149	2.85459995	8.253132957
RIM Test	0.597091538	0.471367317	0.70862373	0.739658867	0.662605452	1.878284801
RM (Net Fuel)	0.765354313	0.603765033	0.80626254	0.848997706	0.744333338	2.408837229
Societal Test	2.587634015	1.98328339	3.053642025	3.187625149	2.85459995	8.253132957
Participant Test	3.281622809	3.207978981	3.281622809	3.281622809	3.281622809	3.241138427

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
	Total Costs / kW Savings	\$46,9401	\$46,9401
Total Costs / kWh Savings	\$0.0041	\$0.0041	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	\$9.2870	\$9.2870	18.78%
Allocated Costs / kWh Savings	\$0.0033	\$0.0033	80.22%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$161,017.82	\$18,000.00	\$143,017.82	8.35	Utility (PAC) Test
\$237,221.35	\$91,675.00	\$145,546.35	2.59	TRC Test
\$161,017.82	\$269,670.25	(\$108,652.42)	0.60	RIM Test
\$161,017.82	\$210,383.37	(\$49,365.55)	0.77	RM (Net Fuel) Test
\$237,221.35	\$91,675.00	\$145,546.35	2.59	Societal Test
\$262,793.85	\$86,175.00	\$176,618.85	3.28	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Base	Minimum	Today		Option	
			Alternate	Option	Maximum	
Utility (PAC) Test	\$116,421.90	\$108,447.45	\$175,224.17	\$183,583.00	\$162,803.99	\$499,606.06
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$28,714.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99
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	\$161,017.82	\$124,328.44	\$191,105.16	\$199,463.99	\$178,684.98	\$515,487.05
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 Amrns	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	8.95	6.91	10.62	11.08	9.93	28.64
TRC Test	\$171,076.28	\$159,358.22	\$257,483.35	\$269,766.25	\$239,232.50	\$734,146.68
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$43,685.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29
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	\$237,221.35	\$181,817.50	\$279,942.63	\$292,225.54	\$261,691.78	\$756,605.96
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 Amrns	\$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	8.95	6.91	10.62	11.08	9.93	28.64
RIM Test	\$116,421.90	\$108,447.45	\$175,224.17	\$183,583.00	\$162,803.99	\$499,606.06
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$28,714.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99
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	\$161,017.82	\$124,328.44	\$191,105.16	\$199,463.99	\$178,684.98	\$515,487.05
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 Amrns	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$251,670.25	\$245,761.26	\$251,670.25	\$251,670.25	\$251,670.25	\$256,445.63
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$251,670.25	\$245,761.26	\$251,670.25	\$251,670.25	\$251,670.25	\$256,445.63
Net Fuel Loss Revenue (Electric)	\$192,383.37	\$187,920.81	\$192,383.37	\$192,383.37	\$192,383.37	\$195,989.41
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$192,383.37	\$187,920.81	\$192,383.37	\$192,383.37	\$192,383.37	\$195,989.41
Test Results	0.60	0.47	0.71	0.74	0.66	1.88
0.77	0.60	0.91	0.95	0.85	2.41	
Societal Test	\$171,076.28	\$159,358.22	\$257,483.35	\$269,766.25	\$239,232.50	\$734,146.68
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$43,685.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29
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	\$237,221.35	\$181,817.50	\$279,942.63	\$292,225.54	\$261,691.78	\$756,605.96
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 Amrns	\$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	2.59	1.98	3.05	3.19	2.85	8.25
Participant Test	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00	\$12,500.00
Participant Costs (gross)	\$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
Participant Bill Savings (Electric) (gross)	\$270,293.85	\$263,947.59	\$270,293.85	\$270,293.85	\$270,293.85	\$275,422.60
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$270,293.85	\$263,947.59	\$270,293.85	\$270,293.85	\$270,293.85	\$275,422.60
Test Results	3.28	3.21	3.28	3.28	3.28	3.34

Utility (PAC/UTC) Test	Cost Based		Market-Based				
	Base	Minimum	Today		Option		
			Alternate	Option	Maximum		
Net Benefits	\$143,017.82	\$106,328.44	\$173,105.16	\$181,463.99	\$160,684.98	\$497,487.05	
Levelized Cost (kW)	\$46.9401	\$46.9401	\$46.9401	\$46.9401	\$46.9401	\$46.9401	
Levelized Cost (kWh)	\$0.0041	\$0.0042	\$0.0041	\$0.0041	\$0.0041	\$0.0040	
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
TRC Test	Net Benefits	\$145,546.35	\$90,142.50	\$188,267.63	\$200,550.54	\$170,016.78	\$664,930.96
Levelized Cost (kW)	\$239.0685	\$239.0685	\$239.0685	\$239.0685	\$239.0685	\$239.0685	
Levelized Cost (kWh)	\$0.0210	\$0.0215	\$0.0210	\$0.0210	\$0.0210	\$0.0206	
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
RIM Test	Net Benefits	(\$108,652.42)	(\$139,432.82)	(\$76,565.09)	(\$70,206.25)	(\$90,985.27)	\$241,041.42
Net Benefits (Net Fuel)	(\$49,365.55)	(\$81,592.37)	(\$19,278.22)	(\$10,919.38)	(\$31,698.40)	\$301,497.64	
Societal Test	Net Benefits	\$145,546.35	\$90,142.50	\$188,267.63	\$200,550.54	\$170,016.78	\$664,930.96
Levelized Cost (kW)	\$239.0685	\$239.0685	\$239.0685	\$239.0685	\$239.0685	\$239.0685	
Levelized Cost (kWh)	\$0.0210	\$0.0215	\$0.0210	\$0.0210	\$0.0210	\$0.0206	
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
Participant Test	Net Benefits	\$196,618.85	\$190,272.59	\$196,618.85	\$196,618.85	\$196,618.85	\$201,747.60

Present Values (PVs) of Impacts	Cost Based		Market-Based			
	Base	Minimum	Today		Option	
			Alternate	Option	Maximum	
kWh (Discounted)	383.4675	383.4675	383.4675	383.4675	383.4675	383.4675
kWh (Discounted)	436685.7000	4260151.5010	4366685.7000	4366685.7000	4366685.7000	4452812.1659
CCF (Discounted)	0.0000</					

06 Aggregation Results - 2019 - Sect=COMMEEP - Tech=ASHP.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	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/Savings				Yearly Incremental (Per Participant * Incremental Participants)			
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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	2.272	2.272	1.023	1.023	0.000	0.000	174,667	174,667	57	57	26	26	0	0	4,366,686	4,366,686

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	\$1,029.35	\$0.00	\$1,029.35	\$25,733.82	\$0.00	\$25,733.82	\$19,153.77	\$0.00	\$19,153.77
2	\$1,070.53	\$0.00	\$1,070.53	\$26,763.18	\$0.00	\$26,763.18	\$20,183.13	\$0.00	\$20,183.13
3	\$1,081.23	\$0.00	\$1,081.23	\$27,030.81	\$0.00	\$27,030.81	\$20,450.76	\$0.00	\$20,450.76
4	\$1,092.04	\$0.00	\$1,092.04	\$27,301.12	\$0.00	\$27,301.12	\$20,721.07	\$0.00	\$20,721.07
5	\$1,102.97	\$0.00	\$1,102.97	\$27,574.13	\$0.00	\$27,574.13	\$20,994.08	\$0.00	\$20,994.08
6	\$1,113.99	\$0.00	\$1,113.99	\$27,949.87	\$0.00	\$27,949.87	\$21,269.82	\$0.00	\$21,269.82
7	\$1,125.13	\$0.00	\$1,125.13	\$28,128.37	\$0.00	\$28,128.37	\$21,548.32	\$0.00	\$21,548.32
8	\$1,136.39	\$0.00	\$1,136.39	\$28,409.65	\$0.00	\$28,409.65	\$21,829.60	\$0.00	\$21,829.60
9	\$1,147.75	\$0.00	\$1,147.75	\$28,693.75	\$0.00	\$28,693.75	\$22,113.70	\$0.00	\$22,113.70
10	\$1,159.23	\$0.00	\$1,159.23	\$28,980.68	\$0.00	\$28,980.68	\$22,400.64	\$0.00	\$22,400.64
11	\$1,170.82	\$0.00	\$1,170.82	\$29,270.49	\$0.00	\$29,270.49	\$22,690.44	\$0.00	\$22,690.44
12	\$1,182.53	\$0.00	\$1,182.53	\$29,563.20	\$0.00	\$29,563.20	\$22,983.15	\$0.00	\$22,983.15
13	\$1,194.35	\$0.00	\$1,194.35	\$29,858.83	\$0.00	\$29,858.83	\$23,278.78	\$0.00	\$23,278.78
14	\$1,206.30	\$0.00	\$1,206.30	\$30,157.42	\$0.00	\$30,157.42	\$23,577.37	\$0.00	\$23,577.37
15	\$1,218.36	\$0.00	\$1,218.36	\$30,458.99	\$0.00	\$30,458.99	\$23,878.94	\$0.00	\$23,878.94
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	\$17,030.97	\$0.00	\$17,030.97	\$425,774.29	\$0.00	\$425,774.29	\$327,073.56	\$0.00	\$327,073.56

06 Aggregation Results - 2019 - 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	Total
1	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00
2	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00
3	\$16,179.09	\$0.00	\$1,833.27	\$0.00	\$18,012.36	\$0.00
4	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00
5	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00
6	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00
7	\$18,539.03	\$0.00	\$1,749.36	\$0.00	\$20,288.39	\$0.00
8	\$18,890.62	\$0.00	\$1,729.24	\$0.00	\$20,619.86	\$0.00
9	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00
10	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00
11	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.56	\$0.00
12	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00
13	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00
14	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00
15	\$22,489.97	\$0.00	\$1,601.86	\$0.00	\$24,091.82	\$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	\$281,866.52	\$0.00	\$26,071.95	\$0.00	\$307,938.47	\$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	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00
2	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00
3	\$16,179.09	\$0.00	\$1,833.27	\$0.00	\$18,012.36	\$0.00
4	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00
5	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00
6	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00
7	\$18,539.03	\$0.00	\$1,749.36	\$0.00	\$20,288.39	\$0.00
8	\$18,890.62	\$0.00	\$1,729.24	\$0.00	\$20,619.86	\$0.00
9	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00
10	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00
11	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.56	\$0.00
12	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00
13	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00
14	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00
15	\$22,489.97	\$0.00	\$1,601.86	\$0.00	\$24,091.82	\$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	\$11,041.28	\$1,354.79	\$1,852.45	\$0.00	\$14,248.52	\$0.00
2	\$11,190.32	\$1,402.85	\$1,840.20	\$0.00	\$14,433.37	\$0.00
3	\$11,560.03	\$1,411.16	\$1,833.27	\$0.00	\$14,813.46	\$0.00
4	\$12,148.09	\$3,085.98	\$1,811.57	\$0.00	\$17,945.65	\$0.00
5	\$12,609.87	\$3,085.98	\$1,790.02	\$0.00	\$18,385.87	\$0.00
6	\$12,934.83	\$3,085.98	\$1,769.36	\$0.00	\$18,690.18	\$0.00
7	\$13,257.35	\$3,085.98	\$1,749.36	\$0.00	\$18,992.69	\$0.00
8	\$13,372.18	\$3,085.98	\$1,729.24	\$0.00	\$19,087.41	\$0.00
9	\$13,704.47	\$3,085.98	\$1,709.52	\$0.00	\$19,399.98	\$0.00
10	\$13,873.06	\$3,085.98	\$1,689.94	\$0.00	\$19,548.99	\$0.00
11	\$14,289.25	\$3,085.98	\$1,670.51	\$0.00	\$19,945.75	\$0.00
12	\$14,717.93	\$3,085.98	\$1,651.49	\$0.00	\$20,355.40	\$0.00
13	\$15,159.47	\$3,085.98	\$1,634.84	\$0.00	\$20,800.30	\$0.00
14	\$15,614.25	\$3,085.98	\$1,618.30	\$0.00	\$21,258.54	\$0.00
15	\$16,082.68	\$3,085.98	\$1,601.86	\$0.00	\$21,730.52	\$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	\$201,564.07	\$52,000.60	\$26,071.95	\$0.00	\$279,636.62	\$279,636.62

07 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=GRT.xlsx

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	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	\$151,200.00	\$0	\$151,200.00	\$151,200.00	\$0	\$151,200.00

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)	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
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	
Totals	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	
							280,133	280,133							1,960,932	1,960,932	
																130,729	130,729

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	\$1,695.32	\$0.00	\$1,695.32	\$11,867.21	\$0.00	\$11,867.21	\$8,912.33	\$0.00	\$8,912.33
2	\$1,763.13	\$0.00	\$1,763.13	\$12,341.90	\$0.00	\$12,341.90	\$9,367.02	\$0.00	\$9,367.02
3	\$1,780.76	\$0.00	\$1,780.76	\$12,465.31	\$0.00	\$12,465.31	\$9,510.44	\$0.00	\$9,510.44
4	\$1,798.57	\$0.00	\$1,798.57	\$12,589.97	\$0.00	\$12,589.97	\$9,635.09	\$0.00	\$9,635.09
5	\$1,816.55	\$0.00	\$1,816.55	\$12,715.87	\$0.00	\$12,715.87	\$9,760.99	\$0.00	\$9,760.99
6	\$1,834.72	\$0.00	\$1,834.72	\$12,843.03	\$0.00	\$12,843.03	\$9,885.15	\$0.00	\$9,885.15
7	\$1,853.07	\$0.00	\$1,853.07	\$12,971.46	\$0.00	\$12,971.46	\$10,016.58	\$0.00	\$10,016.58
8	\$1,871.60	\$0.00	\$1,871.60	\$13,101.17	\$0.00	\$13,101.17	\$10,146.29	\$0.00	\$10,146.29
9	\$1,890.31	\$0.00	\$1,890.31	\$13,232.18	\$0.00	\$13,232.18	\$10,277.90	\$0.00	\$10,277.90
10	\$1,909.21	\$0.00	\$1,909.21	\$13,364.50	\$0.00	\$13,364.50	\$10,409.63	\$0.00	\$10,409.63
11	\$1,928.31	\$0.00	\$1,928.31	\$13,498.15	\$0.00	\$13,498.15	\$10,543.27	\$0.00	\$10,543.27
12	\$1,947.59	\$0.00	\$1,947.59	\$13,633.13	\$0.00	\$13,633.13	\$10,678.25	\$0.00	\$10,678.25
13	\$1,967.07	\$0.00	\$1,967.07	\$13,769.46	\$0.00	\$13,769.46	\$10,814.58	\$0.00	\$10,814.58
14	\$1,986.74	\$0.00	\$1,986.74	\$13,907.16	\$0.00	\$13,907.16	\$10,952.28	\$0.00	\$10,952.28
15	\$2,006.60	\$0.00	\$2,006.60	\$14,046.23	\$0.00	\$14,046.23	\$11,091.35	\$0.00	\$11,091.35
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	\$28,049.53	\$0.00	\$28,049.53	\$196,348.71	\$0.00	\$196,348.71	\$152,023.54	\$0.00	\$152,023.54

07 Aggregation Results - 2019 - Sects=COMM-EEP - Tech=GRT.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/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	Auxiliary	Total	Gas Distribution	Gas Commodity
1	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00
2	\$6,904.51	\$0.00	\$3,260.59	\$0.00	\$10,165.10	\$0.00	\$0.00
3	\$7,136.18	\$0.00	\$3,246.30	\$0.00	\$10,386.48	\$0.00	\$0.00
4	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00
5	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00
6	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00
7	\$8,179.88	\$0.00	\$3,099.63	\$0.00	\$11,279.51	\$0.00	\$0.00
8	\$8,260.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00
9	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00
10	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00
11	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00
12	\$9,091.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00
13	\$9,353.50	\$0.00	\$2,892.16	\$0.00	\$12,285.66	\$0.00	\$0.00
14	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00
15	\$9,923.13	\$0.00	\$2,944.59	\$0.00	\$12,867.72	\$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	\$124,366.52	\$0.00	\$46,195.97	\$0.00	\$170,562.48	\$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	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00
2	\$6,904.51	\$0.00	\$3,260.59	\$0.00	\$10,165.10	\$0.00	\$0.00
3	\$7,136.18	\$0.00	\$3,246.30	\$0.00	\$10,386.48	\$0.00	\$0.00
4	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00
5	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00
6	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00
7	\$8,179.88	\$0.00	\$3,099.63	\$0.00	\$11,279.51	\$0.00	\$0.00
8	\$8,260.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00
9	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00
10	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00
11	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00
12	\$9,091.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00
13	\$9,353.50	\$0.00	\$2,892.16	\$0.00	\$12,285.66	\$0.00	\$0.00
14	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00
15	\$9,923.13	\$0.00	\$2,944.59	\$0.00	\$12,867.72	\$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	\$4,885.27	\$2,400.51	\$3,282.30	\$0.00	\$10,568.07	\$0.00	\$0.00
2	\$4,951.21	\$2,485.86	\$3,260.59	\$0.00	\$10,897.46	\$0.00	\$0.00
3	\$5,115.78	\$2,500.39	\$3,246.30	\$0.00	\$10,867.46	\$0.00	\$0.00
4	\$5,374.99	\$7,062.62	\$3,209.86	\$0.00	\$15,647.47	\$0.00	\$0.00
5	\$5,579.30	\$7,062.62	\$3,171.67	\$0.00	\$15,813.59	\$0.00	\$0.00
6	\$5,723.08	\$7,062.62	\$3,135.07	\$0.00	\$15,920.78	\$0.00	\$0.00
7	\$5,865.78	\$7,062.62	\$3,099.63	\$0.00	\$16,028.03	\$0.00	\$0.00
8	\$5,916.59	\$7,062.62	\$3,063.98	\$0.00	\$16,043.19	\$0.00	\$0.00
9	\$6,063.61	\$7,062.62	\$3,029.04	\$0.00	\$16,155.27	\$0.00	\$0.00
10	\$6,136.21	\$7,062.62	\$2,994.35	\$0.00	\$16,195.18	\$0.00	\$0.00
11	\$6,322.35	\$7,062.62	\$2,959.93	\$0.00	\$16,344.90	\$0.00	\$0.00
12	\$6,512.02	\$7,062.62	\$2,926.22	\$0.00	\$16,500.86	\$0.00	\$0.00
13	\$6,707.38	\$7,062.62	\$2,932.16	\$0.00	\$16,702.17	\$0.00	\$0.00
14	\$6,908.61	\$7,062.62	\$2,938.28	\$0.00	\$16,909.51	\$0.00	\$0.00
15	\$7,115.86	\$7,062.62	\$2,944.59	\$0.00	\$17,123.08	\$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	\$89,183.06	\$92,138.01	\$46,195.97	\$0.00	\$227,517.04	\$227,517.04	\$0.00

08 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=DRP.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test	7.495221092	5.105297632	7.843608497	8.157978848	7.346045182	21.10874788
TRC Test	4.793478211	3.227909606	4.972737715	5.173051796	4.65694654	13.42517033
RM Test	0.789027941	0.547803423	0.825702962	0.858978982	0.773324073	2.187848401
RM (Net Fuel)	1.080315047	0.753999937	1.138091314	1.194548264	1.068654527	3.023200896
Societal Test	4.793478211	3.227909606	4.972737715	5.173051796	4.65694654	13.42517033
Participant Test	4.752082222	4.664489661	4.752082222	4.752082222	4.752082222	4.834004845

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Total Costs / kW 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 Allocated Costs	\$0.0000	\$0.0000	
Allocated Costs / kW Savings	\$5.8090	\$5.8090	29.456%
Allocated Costs / kWh Savings	\$0.0037	\$0.0037	70.55%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$592,122.47	\$79,000.00	\$513,122.47	7.50	Utility (PAC) Test
\$873,299.25	\$182,184.88	\$691,114.37	4.79	TRC Test
\$592,122.47	\$750,445.50	(\$158,323.03)	0.79	RM Test
\$592,122.47	\$544,072.96	\$48,049.50	1.09	RM (Net Fuel) Test
\$873,299.25	\$182,184.88	\$691,114.37	4.79	Societal Test
\$782,417.47	\$164,469.88	\$617,947.59	4.76	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test						
Avoided Electric Production	\$359,214.77	\$320,378.10	\$536,704.65	\$561,539.91	\$497,397.15	\$1,584,650.68
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$149,967.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42
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	\$592,122.47	\$403,318.51	\$619,645.07	\$644,480.33	\$580,337.57	\$1,667,591.08
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	7.50	5.11	7.84	8.16	7.35	21.11
TRC Test						
Avoided Electric Production	\$527,848.55	\$470,779.95	\$788,661.25	\$825,155.44	\$730,900.79	\$2,328,566.67
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$228,154.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38
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	\$873,299.25	\$588,076.32	\$905,957.62	\$942,451.82	\$848,197.17	\$2,445,863.05
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
Test Results	4.79	3.23	4.97	5.17	4.66	13.43
RIM Test						
Avoided Electric Production	\$359,214.77	\$320,378.10	\$536,704.65	\$561,539.91	\$497,397.15	\$1,584,650.68
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$149,967.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42	\$82,940.42
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	\$592,122.47	\$403,318.51	\$619,645.07	\$644,480.33	\$580,337.57	\$1,667,591.08
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)	\$671,445.50	\$657,246.79	\$671,445.50	\$671,445.50	\$671,445.50	\$683,205.96
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$671,445.50	\$657,246.79	\$671,445.50	\$671,445.50	\$671,445.50	\$683,205.96
Net Fuel Loss Revenue (Electric)	\$465,072.66	\$456,120.49	\$465,072.66	\$465,072.66	\$465,072.66	\$472,484.73
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$465,072.66	\$456,120.49	\$465,072.66	\$465,072.66	\$465,072.66	\$472,484.73
Test Results	0.79	0.55	0.83	0.86	0.77	2.19
1.09	0.75	1.14	1.18	1.07	3.02	
Societal Test						
Avoided Electric Production	\$527,848.55	\$470,779.95	\$788,661.25	\$825,155.44	\$730,900.79	\$2,328,566.67
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$228,154.33	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38	\$117,296.38
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	\$873,299.25	\$588,076.32	\$905,957.62	\$942,451.82	\$848,197.17	\$2,445,863.05
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
Test Results	4.79	3.23	4.97	5.17	4.66	13.43
Participant Test						
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)	\$721,132.47	\$705,883.05	\$721,132.47	\$721,132.47	\$721,132.47	\$733,763.20
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$721,132.47	\$705,883.05	\$721,132.47	\$721,132.47	\$721,132.47	\$733,763.20
Test Results	4.76	4.66	4.76	4.76	4.76	4.83

Utility (PAC/TC) Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Net Benefits	\$513,122.47	\$324,318.51	\$540,645.07	\$565,480.33	\$501,337.57	\$1,588,591.08
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	\$691,114.37	\$405,891.44	\$723,772.74	\$760,266.94	\$666,012.29	\$2,263,678.17
Levelized Cost (kW)	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947
Levelized Cost (kWh)	\$0.0120	\$0.0123	\$0.0120	\$0.0120	\$0.0120	\$0.0117
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$158,323.03	-\$332,028.28	-\$130,800.43	-\$105,965.17	-\$170,107.93	\$905,385.13
Net Benefits (Net Fuel)	\$48,049.80	\$131,801.98	\$75,572.41	\$100,407.67	\$36,264.91	\$1,116,106.35
Societal Test						
Net Benefits	\$691,114.37	\$405,891.44	\$723,772.74	\$760,266.94	\$666,012.29	\$2,263,678.17
Levelized Cost (kW)	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947	\$45.4947
Levelized Cost (kWh)	\$0.0120	\$0.0123	\$0.0120	\$0.0120	\$0.0120	\$0.0117
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$617,947.59	\$602,698.17	\$617,947.59	\$617,947.59	\$617,947.59	\$630,578.32

Participants	kWh			Generator Meter
	Summer kWh	Winter kWh	Summer kWh	
44	1,013,339	133,514	133,514	
	935,920	123,313	123,313	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$17,715.00	\$0.0			

08 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=DRP.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	44	0	44	0	44	44	\$164,468.88	\$0.00	\$164,468.88	\$164,468.88	\$0.00	\$164,468.88
2	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	44	0	44	44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	44	0	44	44	\$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	44	0	660	0	660	660	\$164,470	\$0	\$164,470	\$164,470	\$0	\$164,470

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	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
2	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
3	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
4	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
5	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
6	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
7	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
8	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
9	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
10	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
11	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
12	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
13	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
14	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
15	3.890	3.890	3.034	3.034	3.034	3.034	23,030.43	23,030.43	171	171	134	134	134	134	1,013.339	1,013.339
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
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
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
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	345.456	345.456	345.456	345.456	345.456	345.456	345.456	345.456	171	171	134	134	134	134	1,013.339	1,013.339

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	\$1,560.38	\$0.00	\$1,560.38	\$68,656.74	\$0.00	\$68,656.74	\$45,752.12	\$0.00	\$45,752.12
2	\$1,622.80	\$0.00	\$1,622.80	\$71,403.01	\$0.00	\$71,403.01	\$48,498.39	\$0.00	\$48,498.39
3	\$1,639.02	\$0.00	\$1,639.02	\$72,117.04	\$0.00	\$72,117.04	\$49,212.42	\$0.00	\$49,212.42
4	\$1,655.41	\$0.00	\$1,655.41	\$72,838.21	\$0.00	\$72,838.21	\$49,933.59	\$0.00	\$49,933.59
5	\$1,671.97	\$0.00	\$1,671.97	\$73,566.60	\$0.00	\$73,566.60	\$50,661.98	\$0.00	\$50,661.98
6	\$1,688.69	\$0.00	\$1,688.69	\$74,302.26	\$0.00	\$74,302.26	\$51,397.64	\$0.00	\$51,397.64
7	\$1,705.57	\$0.00	\$1,705.57	\$75,045.28	\$0.00	\$75,045.28	\$52,140.66	\$0.00	\$52,140.66
8	\$1,722.63	\$0.00	\$1,722.63	\$75,795.74	\$0.00	\$75,795.74	\$52,891.12	\$0.00	\$52,891.12
9	\$1,739.86	\$0.00	\$1,739.86	\$76,553.69	\$0.00	\$76,553.69	\$53,649.07	\$0.00	\$53,649.07
10	\$1,757.26	\$0.00	\$1,757.26	\$77,319.23	\$0.00	\$77,319.23	\$54,414.61	\$0.00	\$54,414.61
11	\$1,774.83	\$0.00	\$1,774.83	\$78,092.42	\$0.00	\$78,092.42	\$55,187.80	\$0.00	\$55,187.80
12	\$1,792.58	\$0.00	\$1,792.58	\$78,873.35	\$0.00	\$78,873.35	\$55,968.73	\$0.00	\$55,968.73
13	\$1,810.50	\$0.00	\$1,810.50	\$79,662.08	\$0.00	\$79,662.08	\$56,757.46	\$0.00	\$56,757.46
14	\$1,828.61	\$0.00	\$1,828.61	\$80,458.70	\$0.00	\$80,458.70	\$57,554.08	\$0.00	\$57,554.08
15	\$1,846.89	\$0.00	\$1,846.89	\$81,262.29	\$0.00	\$81,262.29	\$58,358.67	\$0.00	\$58,358.67
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	\$25,816.99	\$0.00	\$25,816.99	\$1,135,947.66	\$0.00	\$1,135,947.66	\$792,378.36	\$0.00	\$792,378.36

08 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=DRP.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Training	Other	Total	\$/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				Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Total		
1	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$0.00	\$0.00
2	\$47,809.15	\$0.00	\$9,610.68	\$0.00	\$57,419.83	\$0.00	\$0.00	\$0.00
3	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$0.00	\$0.00
4	\$51,901.11	\$0.00	\$9,461.17	\$0.00	\$61,362.28	\$0.00	\$0.00	\$0.00
5	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$0.00	\$0.00
6	\$55,262.37	\$0.00	\$9,240.72	\$0.00	\$64,503.08	\$0.00	\$0.00	\$0.00
7	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$0.00	\$0.00
8	\$57,130.89	\$0.00	\$9,031.17	\$0.00	\$66,162.06	\$0.00	\$0.00	\$0.00
9	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$0.00	\$0.00
10	\$59,270.82	\$0.00	\$8,825.94	\$0.00	\$68,096.76	\$0.00	\$0.00	\$0.00
11	\$61,048.94	\$0.00	\$8,724.47	\$0.00	\$69,773.41	\$0.00	\$0.00	\$0.00
12	\$62,880.41	\$0.00	\$8,625.11	\$0.00	\$71,505.52	\$0.00	\$0.00	\$0.00
13	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$0.00	\$0.00
14	\$66,709.83	\$0.00	\$8,660.68	\$0.00	\$75,370.50	\$0.00	\$0.00	\$0.00
15	\$68,711.12	\$0.00	\$8,679.26	\$0.00	\$77,390.39	\$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	\$861,155.84	\$0.00	\$136,163.96	\$0.00	\$997,319.80	\$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	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$0.00	\$0.00
2	\$47,809.15	\$0.00	\$9,610.68	\$0.00	\$57,419.83	\$0.00	\$0.00	\$0.00
3	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$0.00	\$0.00
4	\$51,901.11	\$0.00	\$9,461.17	\$0.00	\$61,362.28	\$0.00	\$0.00	\$0.00
5	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$0.00	\$0.00
6	\$55,262.37	\$0.00	\$9,240.72	\$0.00	\$64,503.08	\$0.00	\$0.00	\$0.00
7	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$0.00	\$0.00
8	\$57,130.89	\$0.00	\$9,031.17	\$0.00	\$66,162.06	\$0.00	\$0.00	\$0.00
9	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$0.00	\$0.00
10	\$59,270.82	\$0.00	\$8,825.94	\$0.00	\$68,096.76	\$0.00	\$0.00	\$0.00
11	\$61,048.94	\$0.00	\$8,724.47	\$0.00	\$69,773.41	\$0.00	\$0.00	\$0.00
12	\$62,880.41	\$0.00	\$8,625.11	\$0.00	\$71,505.52	\$0.00	\$0.00	\$0.00
13	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$0.00	\$0.00
14	\$66,709.83	\$0.00	\$8,660.68	\$0.00	\$75,370.50	\$0.00	\$0.00	\$0.00
15	\$68,711.12	\$0.00	\$8,679.26	\$0.00	\$77,390.39	\$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	Auxiliary	Total	Total		
1	\$34,067.38	\$7,075.56	\$9,674.67	\$0.00	\$50,817.61	\$0.00	\$0.00	\$0.00
2	\$34,527.24	\$7,326.57	\$9,610.68	\$0.00	\$51,464.49	\$0.00	\$0.00	\$0.00
3	\$35,695.74	\$7,369.96	\$9,574.46	\$0.00	\$52,640.16	\$0.00	\$0.00	\$0.00
4	\$37,482.41	\$20,817.28	\$9,461.17	\$0.00	\$67,760.87	\$0.00	\$0.00	\$0.00
5	\$38,907.23	\$20,817.28	\$9,348.58	\$0.00	\$69,073.10	\$0.00	\$0.00	\$0.00
6	\$39,909.87	\$20,817.28	\$9,240.72	\$0.00	\$69,967.88	\$0.00	\$0.00	\$0.00
7	\$40,904.98	\$20,817.28	\$9,136.25	\$0.00	\$70,855.51	\$0.00	\$0.00	\$0.00
8	\$41,259.30	\$20,817.28	\$9,031.17	\$0.00	\$71,107.76	\$0.00	\$0.00	\$0.00
9	\$42,284.57	\$20,817.28	\$8,928.18	\$0.00	\$72,030.03	\$0.00	\$0.00	\$0.00
10	\$42,804.74	\$20,817.28	\$8,825.94	\$0.00	\$72,447.96	\$0.00	\$0.00	\$0.00
11	\$44,086.86	\$20,817.28	\$8,724.47	\$0.00	\$73,630.63	\$0.00	\$0.00	\$0.00
12	\$45,411.54	\$20,817.28	\$8,625.11	\$0.00	\$74,853.94	\$0.00	\$0.00	\$0.00
13	\$46,773.89	\$20,817.28	\$8,642.63	\$0.00	\$76,233.80	\$0.00	\$0.00	\$0.00
14	\$48,177.11	\$20,817.28	\$8,660.68	\$0.00	\$77,655.07	\$0.00	\$0.00	\$0.00
15	\$49,622.42	\$20,817.28	\$8,679.26	\$0.00	\$79,118.97	\$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	\$621,917.31	\$271,579.49	\$136,163.96	\$0.00	\$1,029,660.77	\$1,029,660.77	\$0.00	\$0.00

09 Aggregation Results - 2019 - Sect=COMMEEP - Tech=GSPH.xlsx

Cost / Benefit Tests For Normal Weather	Cost		Market-Based			
	Based	Minimum	Today		Alternate	
			Minimum	Today	Alternate	Option
Utility (PAC) Test	7.315031961	5.431677285	7.860486855	8.141506078	7.43389288	19.49542004
TRC Test	2.115390505	1.554419111	2.258957331	2.340474131	2.13680143	5.633966725
RIM Test	0.747594431	0.568662234	0.803339784	0.832059878	0.760301675	1.959060209
RM (Net Fuel)	0.364116476	0.271505207	1.014589252	1.050861696	0.362023957	2.476549068
Societal Test	2.115390505	1.554419111	2.258957331	2.340474131	2.13680143	5.633966725
Participant Test	2.098494228	2.054684914	2.098494228	2.098494228	2.098494228	2.134506379

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Allocated Costs / kWh Savings	\$4.0342	\$4.0342	26.63%
Allocated Costs / CCF Savings	\$0.0049	\$0.0049	73.37%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS					
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio		
\$533,997.33	\$73,000.00	\$460,997.33	7.32	Utility (PAC) Test	
\$782,273.09	\$369,800.00	\$412,473.09	2.12	TRC Test	
\$533,997.33	\$714,287.47	(\$180,290.13)	0.75	RIM Test	
\$533,997.33	\$565,564.38	(\$31,567.05)	0.94	RM (Net Fuel) Test	
\$782,273.09	\$369,800.00	\$412,473.09	2.12	Societal Test	
\$748,742.74	\$356,800.00	\$391,942.74	2.10	Participant Test	

Present Values (PVs) of Costs and Benefits Per Test	Cost		Market-Based			
	Based	Minimum	Today		Alternate	
			Minimum	Today	Alternate	Option
Utility (PAC) Test	\$287,748.62	\$254,706.30	\$432,009.40	\$452,523.80	\$401,267.82	\$1,281,359.52
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$104,442.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14
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	\$533,997.33	\$396,512.44	\$573,815.54	\$594,329.94	\$543,073.96	\$1,423,165.66
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	7.32	5.43	7.86	8.14	7.44	19.50
TRC Test	\$422,832.53	\$374,278.45	\$634,816.69	\$664,961.60	\$589,643.44	\$1,882,895.16
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$158,894.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73
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	\$782,273.09	\$574,824.19	\$835,362.42	\$865,507.33	\$790,189.17	\$2,083,440.89
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	2.12	1.55	2.26	2.34	2.14	5.63
RIM Test	\$287,748.62	\$254,706.30	\$432,009.40	\$452,523.80	\$401,267.82	\$1,281,359.52
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$104,442.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14	\$141,806.14
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	\$533,997.33	\$396,512.44	\$573,815.54	\$594,329.94	\$543,073.96	\$1,423,165.66
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)	\$641,287.47	\$626,733.31	\$641,287.47	\$641,287.47	\$641,287.47	\$653,251.28
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$641,287.47	\$626,733.31	\$641,287.47	\$641,287.47	\$641,287.47	\$653,251.28
Net Fuel Loss Revenue (Electric)	\$492,564.38	\$481,520.16	\$492,564.38	\$492,564.38	\$492,564.38	\$501,656.99
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$492,564.38	\$481,520.16	\$492,564.38	\$492,564.38	\$492,564.38	\$501,656.99
Test Results	0.75	0.57	0.80	0.83	0.76	1.96
0.94	0.72	1.01	1.05	0.96	2.48	
Societal Test	\$422,832.53	\$374,278.45	\$634,816.69	\$664,961.60	\$589,643.44	\$1,882,895.16
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$158,894.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73	\$200,545.73
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	\$782,273.09	\$574,824.19	\$835,362.42	\$865,507.33	\$790,189.17	\$2,083,440.89
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	2.12	1.55	2.26	2.34	2.14	5.63
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)	\$688,742.74	\$673,111.58	\$688,742.74	\$688,742.74	\$688,742.74	\$701,591.88
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$688,742.74	\$673,111.58	\$688,742.74	\$688,742.74	\$688,742.74	\$701,591.88
Test Results	2.10	2.05	2.10	2.10	2.10	2.13

Utility (PAC/UTC) Test	Cost		Market-Based			
	Based	Minimum	Today		Alternate	
			Minimum	Today	Alternate	Option
Net Benefits	\$460,997.33	\$323,512.44	\$500,815.54	\$521,329.94	\$470,073.96	\$1,350,165.66
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	\$412,473.09	\$205,024.19	\$465,562.42	\$495,707.33	\$420,389.17	\$1,713,640.89
Net Benefits	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403
Levelized Cost (kWh)	\$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	-\$180,290.13	-\$303,220.87	-\$140,471.93	-\$119,957.52	-\$171,213.51	\$696,914.38
Net Benefits (Net Fuel)	-\$31,667.05	-\$158,007.72	\$8,251.16	\$28,765.56	-\$22,490.42	\$848,508.67
Societal Test	\$412,473.09	\$205,024.19	\$465,562.42	\$495,707.33	\$420,389.17	\$1,713,640.89
Net Benefits	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403	\$76,7403
Levelized Cost (kWh)	\$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	\$391,942.74	\$376,311.58	\$391,942.74	\$391,942.74	\$391,942.74	\$404,791.88
Net Benefits	\$391,942.74	\$376,311.58	\$391,942.74	\$391,942.74	\$391,942.74	\$404,791.88

Participants	kWh			Generator
	Summer MW	Winter MW	Summer MW	
16	790,265	82,984	228,273	Meiler
	674,473	85,880	210,833	

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$13,000.00	\$0.00	\$0.00	\$60,000.00	\$73,000.00

Present Values (PVs) of Impacts	Cost		Market-Based			
	Based	Minimum	Today		Alternate	
			Minimum	Today	Alternate	Option
kWh (Discounted)	4818.8528	4818.8528	4818.8528	4818.8528	4818.8528	4818.8528
k						

09 Aggregation Results - 2019 - Sect=COMMEEP - Tech=GSHP.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	16	0	16	0	16	16	\$356,800.00	\$0.00	\$356,800.00	\$356,800.00	\$0.00
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)																												
	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	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	103	103	93	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	93	228	228	730,265	730,265	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			
11	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	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			
12	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	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			
13	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	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	0		
14	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	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	0		
15	6.457	6.457	5.811	5.811	14.267	14.267	45,641.57	45,641.57	103	103	93	93	228	228	730,265	730,265	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	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0	0	0	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	93	228	228	10,953,976	10,953,976	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	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 Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total
	1	\$4,098.31	\$0.00	\$4,098.31	\$65,573.02	\$0.00	\$65,573.02	\$49,066.75	\$0.00
2	\$4,262.25	\$0.00	\$4,262.25	\$68,195.94	\$0.00	\$68,195.94	\$51,689.67	\$0.00	\$51,689.67
3	\$4,304.87	\$0.00	\$4,304.87	\$68,877.90	\$0.00	\$68,877.90	\$52,371.63	\$0.00	\$52,371.63
4	\$4,347.92	\$0.00	\$4,347.92	\$69,566.68	\$0.00	\$69,566.68	\$53,060.41	\$0.00	\$53,060.41
5	\$4,391.40	\$0.00	\$4,391.40	\$70,262.35	\$0.00	\$70,262.35			

09 Aggregation Results - 2019 - Sect=COMMEEP - Tech=GSPH.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	\$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	\$38,055.63	\$0.00	\$16,541.11	\$0.00	\$54,596.74	\$0.00	\$0.00	\$0.00	\$0.00
2	\$38,569.33	\$0.00	\$16,431.71	\$0.00	\$55,001.04	\$0.00	\$0.00	\$0.00	\$0.00
3	\$39,874.62	\$0.00	\$16,369.80	\$0.00	\$56,244.42	\$0.00	\$0.00	\$0.00	\$0.00
4	\$41,870.46	\$0.00	\$16,176.09	\$0.00	\$58,046.55	\$0.00	\$0.00	\$0.00	\$0.00
5	\$43,462.07	\$0.00	\$15,983.60	\$0.00	\$59,445.67	\$0.00	\$0.00	\$0.00	\$0.00
6	\$44,582.10	\$0.00	\$15,799.18	\$0.00	\$60,381.28	\$0.00	\$0.00	\$0.00	\$0.00
7	\$45,693.70	\$0.00	\$15,620.56	\$0.00	\$61,314.26	\$0.00	\$0.00	\$0.00	\$0.00
8	\$46,993.50	\$0.00	\$15,449.91	\$0.00	\$61,533.42	\$0.00	\$0.00	\$0.00	\$0.00
9	\$47,234.79	\$0.00	\$15,264.82	\$0.00	\$62,499.61	\$0.00	\$0.00	\$0.00	\$0.00
10	\$47,815.86	\$0.00	\$15,090.02	\$0.00	\$62,905.88	\$0.00	\$0.00	\$0.00	\$0.00
11	\$48,250.33	\$0.00	\$14,916.53	\$0.00	\$64,166.86	\$0.00	\$0.00	\$0.00	\$0.00
12	\$50,721.84	\$0.00	\$14,746.65	\$0.00	\$65,474.49	\$0.00	\$0.00	\$0.00	\$0.00
13	\$52,249.68	\$0.00	\$14,776.61	\$0.00	\$67,026.29	\$0.00	\$0.00	\$0.00	\$0.00
14	\$53,817.17	\$0.00	\$14,807.46	\$0.00	\$68,624.63	\$0.00	\$0.00	\$0.00	\$0.00
15	\$55,431.69	\$0.00	\$14,839.24	\$0.00	\$70,270.93	\$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	\$694,724.77	\$0.00	\$232,804.30	\$0.00	\$927,529.07	\$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	\$38,055.63	\$0.00	\$16,541.11	\$0.00	\$54,596.74	\$0.00	\$0.00	\$0.00	\$0.00
2	\$38,569.33	\$0.00	\$16,431.71	\$0.00	\$55,001.04	\$0.00	\$0.00	\$0.00	\$0.00
3	\$39,874.62	\$0.00	\$16,369.80	\$0.00	\$56,244.42	\$0.00	\$0.00	\$0.00	\$0.00
4	\$41,870.46	\$0.00	\$16,176.09	\$0.00	\$58,046.55	\$0.00	\$0.00	\$0.00	\$0.00
5	\$43,462.07	\$0.00	\$15,983.60	\$0.00	\$59,445.67	\$0.00	\$0.00	\$0.00	\$0.00
6	\$44,582.10	\$0.00	\$15,799.18	\$0.00	\$60,381.28	\$0.00	\$0.00	\$0.00	\$0.00
7	\$45,693.70	\$0.00	\$15,620.56	\$0.00	\$61,314.26	\$0.00	\$0.00	\$0.00	\$0.00
8	\$46,993.50	\$0.00	\$15,449.91	\$0.00	\$61,533.42	\$0.00	\$0.00	\$0.00	\$0.00
9	\$47,234.79	\$0.00	\$15,264.82	\$0.00	\$62,499.61	\$0.00	\$0.00	\$0.00	\$0.00
10	\$47,815.86	\$0.00	\$15,090.02	\$0.00	\$62,905.88	\$0.00	\$0.00	\$0.00	\$0.00
11	\$48,250.33	\$0.00	\$14,916.53	\$0.00	\$64,166.86	\$0.00	\$0.00	\$0.00	\$0.00
12	\$50,721.84	\$0.00	\$14,746.65	\$0.00	\$65,474.49	\$0.00	\$0.00	\$0.00	\$0.00
13	\$52,249.68	\$0.00	\$14,776.61	\$0.00	\$67,026.29	\$0.00	\$0.00	\$0.00	\$0.00
14	\$53,817.17	\$0.00	\$14,807.46	\$0.00	\$68,624.63	\$0.00	\$0.00	\$0.00	\$0.00
15	\$55,431.69	\$0.00	\$14,839.24	\$0.00	\$70,270.93	\$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	\$27,289.64	\$4,927.67	\$16,541.11	\$0.00	\$48,758.43	\$0.00	\$0.00	\$0.00	\$0.00
2	\$27,858.01	\$5,102.48	\$16,431.71	\$0.00	\$49,192.21	\$0.00	\$0.00	\$0.00	\$0.00
3	\$28,594.04	\$5,132.70	\$16,369.80	\$0.00	\$50,096.54	\$0.00	\$0.00	\$0.00	\$0.00
4	\$30,025.25	\$14,497.90	\$16,176.09	\$0.00	\$60,699.24	\$0.00	\$0.00	\$0.00	\$0.00
5	\$31,166.59	\$14,497.90	\$15,983.60	\$0.00	\$61,648.10	\$0.00	\$0.00	\$0.00	\$0.00
6	\$31,969.76	\$14,497.90	\$15,799.18	\$0.00	\$62,266.84	\$0.00	\$0.00	\$0.00	\$0.00
7	\$32,766.89	\$14,497.90	\$15,620.56	\$0.00	\$62,885.35	\$0.00	\$0.00	\$0.00	\$0.00
8	\$33,050.72	\$14,497.90	\$15,449.91	\$0.00	\$62,989.53	\$0.00	\$0.00	\$0.00	\$0.00
9	\$33,872.01	\$14,497.90	\$15,264.82	\$0.00	\$63,634.73	\$0.00	\$0.00	\$0.00	\$0.00
10	\$34,289.69	\$14,497.90	\$15,090.02	\$0.00	\$63,876.61	\$0.00	\$0.00	\$0.00	\$0.00
11	\$35,317.35	\$14,497.90	\$14,916.53	\$0.00	\$64,731.78	\$0.00	\$0.00	\$0.00	\$0.00
12	\$36,376.87	\$14,497.90	\$14,746.65	\$0.00	\$65,621.42	\$0.00	\$0.00	\$0.00	\$0.00
13	\$37,468.18	\$14,497.90	\$14,776.61	\$0.00	\$66,742.68	\$0.00	\$0.00	\$0.00	\$0.00
14	\$38,592.22	\$14,497.90	\$14,807.46	\$0.00	\$67,897.58	\$0.00	\$0.00	\$0.00	\$0.00
15	\$39,749.99	\$14,497.90	\$14,839.24	\$0.00	\$69,087.13	\$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	\$498,186.21	\$189,137.67	\$232,804.30	\$0.00	\$920,128.18	\$920,128.18	\$0.00	\$0.00	\$0.00

10 Aggregation Results - 2019 - Sects-COMM-EEP - Tech=LTG.xlsx

Cost / Benefit Tests For Normal Weather	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Utility (PAC) Test	5.15488826	3.201072057	4.719325302	4.483657674	4.443474	12.07432405
TRC Test	2.592329087	1.586289272	2.348590323	2.436105898	2.210076818	6.041388621
RIM Test	0.867622418	0.548038997	0.794363323	0.823702475	0.747927373	2.004387436
RM (Net Fuel)	1.148981084	0.724333036	1.052880958	1.091678763	0.991332235	2.862771195
Societal Test	2.592329087	1.586289272	2.348590323	2.436105898	2.210076818	6.041388621
Participant Test	2.297652354	2.257005062	2.297652354	2.297652354	2.297652354	2.331319558

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
	Total Costs / kW Savings	\$22,5923	\$22,5923
Total Costs / kWh Savings	\$0.0095	\$0.0095	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	\$9.0378	\$9.0375	40.00%
Allocated Costs / kWh Savings	\$0.0057	\$0.0057	60.00%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$654,632.71	\$127,000.00	\$527,632.71	5.15	Utility (PAC) Test
\$946,557.86	\$365,138.00	\$581,419.86	2.59	TRC Test
\$654,632.71	\$754,513.36	(\$99,880.65)	0.87	RIM Test
\$654,632.71	\$569,255.20	\$85,377.51	1.15	RM (Net Fuel) Test
\$946,557.86	\$365,138.00	\$581,419.86	2.59	Societal Test
\$771,657.35	\$335,846.00	\$435,811.35	2.30	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Utility (PAC) Test						
Avoided Electric Production	\$320,184.28	\$285,567.41	\$478,389.00	\$500,525.78	\$443,352.45	\$1,412,470.41
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$213,479.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75
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	\$654,632.71	\$406,536.15	\$599,357.74	\$621,494.52	\$564,321.20	\$1,533,439.15
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	5.15	3.20	4.72	4.48	4.44	12.07
TRC Test						
Avoided Electric Production	\$462,197.83	\$412,227.09	\$690,572.17	\$722,527.43	\$639,995.62	\$2,038,953.15
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$317,372.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40
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	\$946,557.86	\$579,214.49	\$857,559.57	\$889,514.84	\$806,983.03	\$2,205,940.56
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	2.59	1.59	2.35	2.44	2.21	6.04
RIM Test						
Avoided Electric Production	\$320,184.28	\$285,567.41	\$478,389.00	\$500,525.78	\$443,352.45	\$1,412,470.41
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$213,479.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75	\$120,968.75
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	\$654,632.71	\$406,536.15	\$599,357.74	\$621,494.52	\$564,321.20	\$1,533,439.15
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
Loss Revenue (Electric)	\$627,513.36	\$614,802.72	\$627,513.36	\$627,513.36	\$627,513.36	\$638,041.29
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$627,513.36	\$614,802.72	\$627,513.36	\$627,513.36	\$627,513.36	\$638,041.29
Net Fuel Loss Revenue (Electric)	\$442,255.20	\$434,254.30	\$442,255.20	\$442,255.20	\$442,255.20	\$448,879.63
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$442,255.20	\$434,254.30	\$442,255.20	\$442,255.20	\$442,255.20	\$448,879.63
Test Results	0.87	0.55	0.79	0.82	0.75	2.00
1.15	0.72	1.05	1.09	0.99	2.66	
Societal Test						
Avoided Electric Production	\$462,197.83	\$412,227.09	\$690,572.17	\$722,527.43	\$639,995.62	\$2,038,953.15
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$317,372.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40	\$166,987.40
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	\$946,557.86	\$579,214.49	\$857,559.57	\$889,514.84	\$806,983.03	\$2,205,940.56
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	2.59	1.59	2.35	2.44	2.21	6.04
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)	\$673,949.35	\$660,298.12	\$673,949.35	\$673,949.35	\$673,949.35	\$685,256.35
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$673,949.35	\$660,298.12	\$673,949.35	\$673,949.35	\$673,949.35	\$685,256.35
Test Results	2.30	2.26	2.30	2.30	2.30	2.33

Utility (PAC/UTC) Test	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Net Benefits	\$527,632.71	\$279,536.15	\$472,357.74	\$494,494.52	\$437,321.20	\$1,406,439.15
Levelized Cost (kW)	\$22,5923	\$22,5923	\$22,5923	\$22,5923	\$22,5923	\$22,5923
Levelized Cost (kWh)	\$0.0095	\$0.0098	\$0.0095	\$0.0095	\$0.0095	\$0.0093
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$581,419.86	\$214,076.49	\$492,421.57	\$524,376.84	\$441,845.03	\$1,840,802.96
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	\$0.0268
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	(\$99,880.65)	(\$335,266.57)	(\$155,155.62)	(\$133,018.84)	(\$190,192.17)	\$768,397.86
Net Benefits (Net Fuel)	\$85,377.51	(\$154,718.15)	\$30,102.54	\$52,239.33	(\$4,934.04)	\$957,559.52
Societal Test						
Net Benefits	\$581,419.86	\$214,076.49	\$492,421.57	\$524,376.84	\$441,845.03	\$1,840,802.96
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	\$0.0268
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$435,811.35	\$222,160.12	\$435,811.35	\$435,811.35	\$435,811.35	\$447,118.35

Participants	kWh	Summer MW		Generator
		210,031	Winter kW	
38	587,826	210,031	210,031	Meiler
	884,648	193,985	193,985	

10 Aggregation Results - 2019 - 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					
	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)
1	5,527	5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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
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
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
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
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
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
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
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
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
Totals	435,429	435,429	435,429	435,429	435,429	435,429	435,429	435,429	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 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	\$1,793.51	\$0.00	\$1,793.51	\$68,153.20	\$0.00	\$68,153.20	\$46,503.33	\$0.00	\$46,503.33
2	\$1,865.25	\$0.00	\$1,865.25	\$70,879.33	\$0.00	\$70,879.33	\$49,229.46	\$0.00	\$49,229.46
3	\$1,883.90	\$0.00	\$1,883.90	\$71,588.12	\$0.00	\$71,588.12	\$49,938.25	\$0.00	\$49,938.25
4	\$1,902.74	\$0.00	\$1,902.74	\$72,304.00	\$0.00	\$72,304.00	\$50,654.13	\$0.00	\$50,654.13
5	\$1,921.76	\$0.00	\$1,921.76	\$73,027.04	\$0.00	\$73,027.04	\$51,377.17	\$0.00	\$51,377.17
6	\$2,022.62	\$0.00	\$2,022.62	\$68,769.00	\$0.00	\$68,769.00	\$49,411.55	\$0.00	\$49,411.55
7	\$2,042.84	\$0.00	\$2,042.84	\$69,456.69	\$0.00	\$69,456.69	\$49,089.24	\$0.00	\$49,089.24
8	\$2,063.27	\$0.00	\$2,063.27	\$70,151.26	\$0.00	\$70,151.26	\$49,793.80	\$0.00	\$49,793.80
9	\$2,083.91	\$0.00	\$2,083.91	\$70,852.77	\$0.00	\$70,852.77	\$50,496.32	\$0.00	\$50,496.32
10	\$2,104.74	\$0.00	\$2,104.74	\$71,561.30	\$0.00	\$71,561.30	\$51,203.84	\$0.00	\$51,203.84
11	\$2,125.79	\$0.00	\$2,125.79	\$72,276.91	\$0.00	\$72,276.91	\$51,919.46	\$0.00	\$51,919.46
12	\$2,147.05	\$0.00	\$2,147.05	\$72,999.68	\$0.00	\$72,999.68	\$52,642.23	\$0.00	\$52,642.23
13	\$3,331.62	\$0.00	\$3,331.62	\$59,969.08	\$0.00	\$59,969.08	\$43,156.21	\$0.00	\$43,156.21
14	\$3,364.93	\$0.00	\$3,364.93	\$60,568.77	\$0.00	\$60,568.77	\$43,755.90	\$0.00	\$43,755.90
15	\$3,398.58	\$0.00	\$3,398.58	\$61,174.46	\$0.00	\$61,174.46	\$44,361.58	\$0.00	\$44,361.58
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	\$34,052.50	\$0.00	\$34,052.50	\$1,033,731.62	\$0.00	\$1,033,731.62	\$732,541.47	\$0.00	\$732,541.47

10 Aggregation Results - 2019 - Sects=COMM-EEP - Tech=LTD.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Revenue	Other	Total	\$/kW	\$/kWh	\$/kWh	\$/kWh	\$/CCF	\$/CCF
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	Ancillary	Gas Distribution	Gas Commodity
1	\$44,588.21	\$0.00	\$15,219.29	\$0.00	\$59,807.50	\$0.00
2	\$45,190.08	\$0.00	\$15,118.63	\$0.00	\$60,308.72	\$0.00
3	\$46,719.44	\$0.00	\$15,081.66	\$0.00	\$61,781.11	\$0.00
4	\$49,057.68	\$0.00	\$14,883.44	\$0.00	\$63,941.32	\$0.00
5	\$50,922.71	\$0.00	\$14,706.33	\$0.00	\$65,629.04	\$0.00
6	\$49,116.78	\$0.00	\$13,114.60	\$0.00	\$62,231.38	\$0.00
7	\$50,341.46	\$0.00	\$12,966.33	\$0.00	\$63,307.78	\$0.00
8	\$50,777.61	\$0.00	\$12,811.21	\$0.00	\$63,594.72	\$0.00
9	\$52,039.30	\$0.00	\$12,671.04	\$0.00	\$64,710.33	\$0.00
10	\$52,679.47	\$0.00	\$12,525.94	\$0.00	\$65,205.40	\$0.00
11	\$54,259.85	\$0.00	\$12,381.93	\$0.00	\$66,641.78	\$0.00
12	\$55,891.65	\$0.00	\$12,240.91	\$0.00	\$68,125.56	\$0.00
13	\$47,541.34	\$0.00	\$9,367.61	\$0.00	\$56,908.94	\$0.00
14	\$48,967.58	\$0.00	\$9,387.17	\$0.00	\$58,354.74	\$0.00
15	\$50,436.61	\$0.00	\$9,407.31	\$0.00	\$59,843.92	\$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	\$748,525.87	\$0.00	\$191,869.38	\$0.00	\$940,395.25	\$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
1	\$44,588.21	\$0.00	\$15,219.29	\$0.00	\$59,807.50	\$0.00
2	\$45,190.08	\$0.00	\$15,118.63	\$0.00	\$60,308.72	\$0.00
3	\$46,719.44	\$0.00	\$15,081.66	\$0.00	\$61,781.11	\$0.00
4	\$49,057.68	\$0.00	\$14,883.44	\$0.00	\$63,941.32	\$0.00
5	\$50,922.71	\$0.00	\$14,706.33	\$0.00	\$65,629.04	\$0.00
6	\$49,116.78	\$0.00	\$13,114.60	\$0.00	\$62,231.38	\$0.00
7	\$50,341.46	\$0.00	\$12,966.33	\$0.00	\$63,307.78	\$0.00
8	\$50,777.61	\$0.00	\$12,811.21	\$0.00	\$63,594.72	\$0.00
9	\$52,039.30	\$0.00	\$12,671.04	\$0.00	\$64,710.33	\$0.00
10	\$52,679.47	\$0.00	\$12,525.94	\$0.00	\$65,205.40	\$0.00
11	\$54,259.85	\$0.00	\$12,381.93	\$0.00	\$66,641.78	\$0.00
12	\$55,891.65	\$0.00	\$12,240.91	\$0.00	\$68,125.56	\$0.00
13	\$47,541.34	\$0.00	\$9,367.61	\$0.00	\$56,908.94	\$0.00
14	\$48,967.58	\$0.00	\$9,387.17	\$0.00	\$58,354.74	\$0.00
15	\$50,436.61	\$0.00	\$9,407.31	\$0.00	\$59,843.92	\$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	Ancillary	Gas Distribution	Gas Commodity
1	\$32,201.12	\$11,130.62	\$15,219.29	\$0.00	\$58,551.02	\$0.00
2	\$32,636.78	\$11,525.48	\$15,118.63	\$0.00	\$59,279.89	\$0.00
3	\$33,740.27	\$11,593.74	\$15,081.66	\$0.00	\$60,395.67	\$0.00
4	\$36,429.07	\$32,747.83	\$14,883.44	\$0.00	\$83,060.33	\$0.00
5	\$36,775.83	\$32,747.83	\$14,706.33	\$0.00	\$84,229.98	\$0.00
6	\$35,471.60	\$29,544.27	\$13,114.60	\$0.00	\$78,130.47	\$0.00
7	\$36,355.05	\$29,544.27	\$12,966.33	\$0.00	\$78,865.65	\$0.00
8	\$36,670.96	\$29,544.27	\$12,811.21	\$0.00	\$79,032.44	\$0.00
9	\$37,582.21	\$29,544.27	\$12,671.04	\$0.00	\$79,797.52	\$0.00
10	\$38,044.53	\$29,544.27	\$12,525.94	\$0.00	\$80,114.74	\$0.00
11	\$39,195.87	\$29,544.27	\$12,381.93	\$0.00	\$81,112.07	\$0.00
12	\$40,361.45	\$29,544.27	\$12,240.91	\$0.00	\$82,146.63	\$0.00
13	\$34,333.83	\$22,563.52	\$9,367.61	\$0.00	\$66,264.96	\$0.00
14	\$35,363.85	\$22,563.52	\$9,387.17	\$0.00	\$67,314.53	\$0.00
15	\$36,424.76	\$22,563.52	\$9,407.31	\$0.00	\$68,395.59	\$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	\$540,577.18	\$374,245.95	\$191,869.38	\$0.00	\$1,106,692.51	\$0.00

11 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Utility (PAC) Test	6.149257386	4.167450096	6.19996662	6.435954119	5.83498466	16.01544566
TRC Test	2.579541213	1.727547967	2.579553017	2.678467429	2.42655588	6.89340384
RIM Test	0.783485613	0.541255053	0.789050371	0.820014051	0.743443679	2.009083643
RM (Net Fuel)	1.026546455	0.707892944	1.035016775	1.074407115	0.974085236	2.836216132
Societal Test	2.579541213	1.727547967	2.579553017	2.678467429	2.42655588	6.89340384
Participant Test	2.498657626	2.443930007	2.498657626	2.498657626	2.498657626	2.53930862

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
	Total Costs / kW Savings	\$21,2290	\$21,2290
Total Costs / kWh Savings	\$0.0074	\$0.0074	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	\$8.9078	\$8.9078	32.54%
Allocated Costs / kWh Savings	\$0.0050	\$0.0050	67.46%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$2,072,299.74	\$337,000.00	\$1,735,299.74	6.15	Utility (PAC) Test
\$3,032,245.23	\$1,175,497.88	\$1,856,747.35	2.58	TRC Test
\$2,072,299.74	\$2,644,974.85	(\$572,675.11)	0.78	RIM Test
\$2,072,299.74	\$2,018,710.14	\$653,589.60	1.03	RM (Net Fuel) Test
\$3,032,245.23	\$1,175,497.88	\$1,856,747.35	2.58	Societal Test
\$2,734,757.98	\$1,094,490.88	\$1,640,267.10	2.50	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Utility (PAC) Test						
Avoided Electric Production	\$1,135,081.04	\$1,014,695.63	\$1,699,663.60	\$1,779,181.28	\$1,576,654.57	\$5,007,469.90
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$547,483.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26
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	\$2,072,299.74	\$1,404,430.88	\$2,089,398.86	\$2,168,916.54	\$1,966,389.83	\$5,397,205.15
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	6.15	4.17	6.20	6.44	5.83	16.02
TRC Test						
Avoided Electric Production	\$1,659,648.77	\$1,483,645.36	\$2,485,175.49	\$2,801,449.17	\$2,305,327.67	\$7,321,629.11
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$825,512.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62
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	\$3,032,245.23	\$2,030,728.97	\$3,032,259.10	\$3,148,532.78	\$2,852,411.29	\$7,868,712.73
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	2.58	1.73	2.58	2.68	2.43	6.09
RIM Test						
Avoided Electric Production	\$1,135,081.04	\$1,014,695.63	\$1,699,663.60	\$1,779,181.28	\$1,576,654.57	\$5,007,469.90
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$547,483.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26	\$389,735.26
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	\$2,072,299.74	\$1,404,430.88	\$2,089,398.86	\$2,168,916.54	\$1,966,389.83	\$5,397,205.15
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)	\$2,307,974.85	\$2,257,767.25	\$2,307,974.85	\$2,307,974.85	\$2,307,974.85	\$2,349,401.42
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,307,974.85	\$2,257,767.25	\$2,307,974.85	\$2,307,974.85	\$2,307,974.85	\$2,349,401.42
Net Fuel Lost Revenue (Electric)	\$1,681,710.14	\$1,647,043.52	\$1,681,710.14	\$1,681,710.14	\$1,681,710.14	\$1,710,330.30
Net Fuel Lost Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,681,710.14	\$1,647,043.52	\$1,681,710.14	\$1,681,710.14	\$1,681,710.14	\$1,710,330.30
Test Results	0.78	0.54	0.79	0.82	0.74	2.01
Societal Test						
Avoided Electric Production	\$1,659,648.77	\$1,483,645.36	\$2,485,175.49	\$2,801,449.17	\$2,305,327.67	\$7,321,629.11
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$825,512.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62	\$547,083.62
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	\$3,032,245.23	\$2,030,728.97	\$3,032,259.10	\$3,148,532.78	\$2,852,411.29	\$7,868,712.73
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
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	2.58	1.73	2.58	2.68	2.43	6.09
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)	\$2,478,764.98	\$2,424,842.02	\$2,478,764.98	\$2,478,764.98	\$2,478,764.98	\$2,523,257.13
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,478,764.98	\$2,424,842.02	\$2,478,764.98	\$2,478,764.98	\$2,478,764.98	\$2,523,257.13
Test Results	2.50	2.45	2.50	2.50	2.50	2.54

Utility (PAC/UTC) Test	Cost		Market-Based			
	Based	Minimum		Maximum		
		Today	Alternate	Option	Maximum	
Net Benefits	\$1,735,299.74	\$1,067,430.88	\$1,752,398.86	\$1,831,916.54	\$1,629,389.83	\$5,060,205.15
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	\$1,856,747.35	\$855,231.09	\$1,856,761.22	\$1,973,034.90	\$1,676,913.41	\$6,693,214.85
Levelized Cost (kW)	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496
Levelized Cost (kWh)	\$0.0257	\$0.0263	\$0.0257	\$0.0257	\$0.0257	\$0.0251
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$572,675.11	#####	-\$555,575.98	-\$476,058.31	-\$678,585.02	\$2,710,803.73
Net Benefits (Net Fuel)	\$53,589.60	-\$579,612.63	\$70,688.72	\$150,206.40	-\$52,320.31	\$3,349,874.86
Societal Test						
Net Benefits	\$1,856,747.35	\$855,231.09	\$1,856,761.22	\$1,973,034.90	\$1,676,913.41	\$6,693,214.85
Levelized Cost (kW)	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496	\$74,0496
Levelized Cost (kWh)	\$0.0257	\$0.0263	\$0.0257	\$0.0257	\$0.0257	\$0.0251
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	\$1,640,267.10	\$1,586,344.14	\$1,640,267.10</			

11 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=ALL.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	130	0	130	0	130	130	\$1,094,480.88	\$0.00	\$1,094,480.88	\$1,094,480.88	\$0.00	\$1,094,480.88
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	0	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	24,025.16	24,025.16	569	569	507	507	596	596	3,123,271	3,123,271
2	4.373	4.373	3.903	3.903	4.586	4.586	24,025.16	24,025.16	569	569	507	507	596	596	3,123,271	3,123,271
3	4.373	4.373	3.903	3.903	4.586	4.586	24,025.16	24,025.16	569	569	507	507	596	596	3,123,271	3,123,271
4	4.373	4.373	3.903	3.903	4.586	4.586	24,025.16	24,025.16	569	569	507	507	596	596	3,123,271	3,123,271
5	4.373	4.373	3.903	3.903	4.586	4.586	24,025.16	24,025.16	569	569	507	507	596	596	3,123,271	3,123,271
6	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
7	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
8	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
9	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
10	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
11	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
12	4.349	4.349	3.864	3.864	4.569	4.569	24,334.07	24,334.07	548	548	487	487	576	576	3,066,093	3,066,093
13	4.575	4.575	4.019	4.019	4.826	4.826	26,447.95	26,447.95	503	503	442	442	531	531	2,909,275	2,909,275
14	4.575	4.575	4.019	4.019	4.826	4.826	26,447.95	26,447.95	503	503	442	442	531	531	2,909,275	2,909,275
15	4.575	4.575	4.019	4.019	4.826	4.826	26,447.95	26,447.95	503	503	442	442	531	531	2,909,275	2,909,275
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
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
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
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	4,373	4,373	3,903	3,903	4,586	4,586	369,808	369,808	569	569	507	507	596	596	3,123,271	3,123,271

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	\$1,846.03	\$0.00	\$1,846.03	\$239,983.99	\$0.00	\$239,983.99	\$169,388.31	\$0.00	\$169,388.31
2	\$1,919.87	\$0.00	\$1,919.87	\$240,583.35	\$0.00	\$240,583.35	\$170,987.67	\$0.00	\$170,987.67
3	\$1,939.07	\$0.00	\$1,939.07	\$252,079.18	\$0.00	\$252,079.18	\$181,483.50	\$0.00	\$181,483.50
4	\$1,958.46	\$0.00	\$1,958.46	\$254,599.98	\$0.00	\$254,599.98	\$184,004.29	\$0.00	\$184,004.29
5	\$1,978.05	\$0.00	\$1,978.05	\$257,145.97	\$0.00	\$257,145.97	\$186,550.29	\$0.00	\$186,550.29
6	\$2,021.66	\$0.00	\$2,021.66	\$254,729.13	\$0.00	\$254,729.13	\$185,425.85	\$0.00	\$185,425.85
7	\$2,041.88	\$0.00	\$2,041.88	\$257,276.42	\$0.00	\$257,276.42	\$187,973.15	\$0.00	\$187,973.15
8	\$2,062.30	\$0.00	\$2,062.30	\$259,849.18	\$0.00	\$259,849.18	\$190,545.91	\$0.00	\$190,545.91
9	\$2,082.92	\$0.00	\$2,082.92	\$262,447.68	\$0.00	\$262,447.68	\$193,144.40	\$0.00	\$193,144.40
10	\$2,103.75	\$0.00	\$2,103.75	\$265,072.15	\$0.00	\$265,072.15	\$195,788.88	\$0.00	\$195,788.88
11	\$2,124.78	\$0.00	\$2,124.78	\$267,722.87	\$0.00	\$267,722.87	\$198,419.60	\$0.00	\$198,419.60
12	\$2,146.03	\$0.00	\$2,146.03	\$270,400.10	\$0.00	\$270,400.10	\$201,096.83	\$0.00	\$201,096.83
13	\$2,357.67	\$0.00	\$2,357.67	\$259,343.50	\$0.00	\$259,343.50	\$193,594.81	\$0.00	\$193,594.81
14	\$2,381.24	\$0.00	\$2,381.24	\$261,936.94	\$0.00	\$261,936.94	\$196,178.25	\$0.00	\$196,178.25
15	\$2,405.86	\$0.00	\$2,405.86	\$264,556.30	\$0.00	\$264,556.30	\$198,797.62	\$0.00	\$198,797.62
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$31,368.76	\$0.00	\$31,368.76	\$3,878,726.75	\$0.00	\$3,878,726.75	\$2,841,349.36	\$0.00	\$2,841,349.36

11 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=ALL.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Revenue	Other	Total	\$/kW	\$/kWh (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	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$152,068.86	\$0.00	\$46,569.82	\$0.00	\$198,638.68	\$0.00	\$0.00	\$0.00	\$0.00
2	\$154,121.57	\$0.00	\$46,261.81	\$0.00	\$200,383.38	\$0.00	\$0.00	\$0.00	\$0.00
3	\$159,337.47	\$0.00	\$46,087.49	\$0.00	\$205,424.96	\$0.00	\$0.00	\$0.00	\$0.00
4	\$167,312.76	\$0.00	\$45,542.14	\$0.00	\$212,854.90	\$0.00	\$0.00	\$0.00	\$0.00
5	\$173,672.80	\$0.00	\$45,000.20	\$0.00	\$218,673.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$175,030.16	\$0.00	\$43,058.93	\$0.00	\$218,089.09	\$0.00	\$0.00	\$0.00	\$0.00
7	\$179,394.34	\$0.00	\$42,572.12	\$0.00	\$221,966.46	\$0.00	\$0.00	\$0.00	\$0.00
8	\$180,948.26	\$0.00	\$42,087.51	\$0.00	\$223,035.77	\$0.00	\$0.00	\$0.00	\$0.00
9	\$185,444.69	\$0.00	\$41,602.60	\$0.00	\$227,047.29	\$0.00	\$0.00	\$0.00	\$0.00
10	\$187,725.97	\$0.00	\$41,126.20	\$0.00	\$228,852.16	\$0.00	\$0.00	\$0.00	\$0.00
11	\$193,357.74	\$0.00	\$40,653.36	\$0.00	\$234,011.11	\$0.00	\$0.00	\$0.00	\$0.00
12	\$199,158.48	\$0.00	\$40,190.37	\$0.00	\$239,348.85	\$0.00	\$0.00	\$0.00	\$0.00
13	\$195,110.29	\$0.00	\$37,373.85	\$0.00	\$232,484.14	\$0.00	\$0.00	\$0.00	\$0.00
14	\$200,963.60	\$0.00	\$37,451.89	\$0.00	\$238,415.49	\$0.00	\$0.00	\$0.00	\$0.00
15	\$206,992.51	\$0.00	\$37,532.27	\$0.00	\$244,524.78	\$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	\$2,710,639.51	\$0.00	\$633,105.56	\$0.00	\$3,343,745.07	\$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	
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	Ancillary	Total	Gas Distribution	Gas Commodity	Total	
1	\$109,484.68	\$26,889.15	\$46,569.82	\$0.00	\$182,943.65	\$0.00	\$0.00	\$0.00	\$0.00
2	\$110,962.57	\$27,843.04	\$46,261.81	\$0.00	\$185,067.42	\$0.00	\$0.00	\$0.00	\$0.00
3	\$114,717.85	\$29,007.94	\$46,087.49	\$0.00	\$189,813.29	\$0.00	\$0.00	\$0.00	\$0.00
4	\$120,459.80	\$79,111.62	\$45,542.14	\$0.00	\$245,113.57	\$0.00	\$0.00	\$0.00	\$0.00
5	\$125,038.83	\$79,111.62	\$45,000.20	\$0.00	\$249,150.64	\$0.00	\$0.00	\$0.00	\$0.00
6	\$129,009.16	\$75,908.06	\$43,058.93	\$0.00	\$248,976.15	\$0.00	\$0.00	\$0.00	\$0.00
7	\$129,151.06	\$75,908.06	\$42,572.12	\$0.00	\$247,631.24	\$0.00	\$0.00	\$0.00	\$0.00
8	\$130,269.76	\$75,908.06	\$42,087.51	\$0.00	\$248,260.34	\$0.00	\$0.00	\$0.00	\$0.00
9	\$133,506.87	\$75,908.06	\$41,602.60	\$0.00	\$251,017.53	\$0.00	\$0.00	\$0.00	\$0.00
10	\$135,149.23	\$75,908.06	\$41,126.20	\$0.00	\$252,183.49	\$0.00	\$0.00	\$0.00	\$0.00
11	\$139,203.70	\$75,908.06	\$40,653.36	\$0.00	\$255,765.13	\$0.00	\$0.00	\$0.00	\$0.00
12	\$143,379.81	\$75,908.06	\$40,190.37	\$0.00	\$259,478.25	\$0.00	\$0.00	\$0.00	\$0.00
13	\$140,442.75	\$68,927.31	\$37,373.85	\$0.00	\$246,743.90	\$0.00	\$0.00	\$0.00	\$0.00
14	\$144,656.04	\$68,927.31	\$37,451.89	\$0.00	\$251,035.23	\$0.00	\$0.00	\$0.00	\$0.00
15	\$148,995.72	\$68,927.31	\$37,532.27	\$0.00	\$255,455.29	\$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	\$1,951,427.84	\$979,101.72	\$633,105.56	\$0.00	\$3,563,635.12	\$3,563,635.12	\$0.00	\$0.00	\$0.00

15 Aggregation Results - 2019 - Sect=ALL - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	5.771474127	3.831859336	5.912058522	6.138235869	5.569731336	15.4814341
TRC Test	2.600385599	1.75513051	2.658049347	2.759618425	2.502349592	7.021093732
RIM Test	0.744517438	0.517117123	0.782652756	0.791442528	0.719492711	1.965739499
RM (Net Fuel)	0.363019442	0.064385524	0.381355349	1.018401038	0.324531721	2.332520864
Societal Test	2.600385599	1.75513051	2.658049347	2.759618425	2.502349592	7.021093732
Participant Test	3.021713343	2.960002944	3.021713343	3.021713343	3.021713343	3.073292123

Cost of Conserved kWh, kW, and CCF				
100% Allocation		Nominal	Levelized	% Allocation
		\$23.0821	\$23.0821	100.00%
	Total Costs / kW Savings	\$0.0078	\$0.0078	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	\$7.1973	\$7.1973	31.18%
	Allocated Costs / kWh Savings	\$0.0053	\$0.0053	68.82%
	Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$2,591,391.88	\$449,000.00	\$2,142,391.88	5.77	Utility (PAC) Test
\$3,811,769.72	\$1,465,847.88	\$2,345,921.84	2.60	TRC Test
\$2,591,391.88	\$3,480,632.80	(\$889,241.02)	0.74	RIM Test
\$2,591,391.88	\$2,704,947.07	(\$113,555.19)	0.96	RM (Net Fuel) Test
\$3,811,769.72	\$1,465,847.88	\$2,345,921.84	2.60	Societal Test
\$3,972,316.80	\$1,314,590.88	\$2,657,725.92	3.02	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
Utility (PAC) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$1,425,487.79	\$1,245,386.51	\$2,134,495.94	\$2,234,702.57	\$1,980,791.04	\$6,431,145.58
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$645,885.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33
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	\$2,591,391.88	\$1,765,404.84	\$2,654,514.28	\$2,754,720.91	\$2,500,809.37	\$6,951,163.91
Administration Costs	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00
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	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Total	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.77	3.93	5.91	6.14	5.57	15.48
TRC Test	\$2,117,422.09	\$1,847,050.46	\$3,170,592.12	\$3,319,476.94	\$2,942,359.97	\$9,566,151.49
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$968,643.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88
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	\$3,811,769.72	\$2,572,754.34	\$3,896,296.00	\$4,045,180.82	\$3,668,063.84	\$10,291,855.36
Administration Costs	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00
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	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88
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	2.60	1.76	2.66	2.76	2.50	7.02
RIM Test	\$1,425,487.79	\$1,245,386.51	\$2,134,495.94	\$2,234,702.57	\$1,980,791.04	\$6,431,145.58
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Address	\$645,885.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33	\$520,018.33
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	\$2,591,391.88	\$1,765,404.84	\$2,654,514.28	\$2,754,720.91	\$2,500,809.37	\$6,951,163.91
Administration Costs	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00
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	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Total	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00	\$449,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$3,031,632.90	\$2,964,936.16	\$3,031,632.90	\$3,031,632.90	\$3,031,632.90	\$3,087,164.41
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,031,632.90	\$2,964,936.16	\$3,031,632.90	\$3,031,632.90	\$3,031,632.90	\$3,087,164.41
Net Fuel Loss Revenue (Electric)	\$2,255,947.07	\$2,208,199.44	\$2,255,947.07	\$2,255,947.07	\$2,255,947.07	\$2,295,760.77
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,255,947.07	\$2,208,199.44	\$2,255,947.07	\$2,255,947.07	\$2,255,947.07	\$2,295,760.77
Test Results	0.74	0.52	0.76	0.79	0.72	1.97
Societal Test	2.60	1.76	2.66	2.76	2.50	7.02
Avoided Electric Production	\$2,117,422.09	\$1,847,050.46	\$3,170,592.12	\$3,319,476.94	\$2,942,359.97	\$9,566,151.49
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$968,643.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88	\$725,703.88
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	\$3,811,769.72	\$2,572,754.34	\$3,896,296.00	\$4,045,180.82	\$3,668,063.84	\$10,291,855.36
Administration Costs	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00	\$138,582.00
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	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00	\$151,257.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88	\$1,314,590.88
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	2.60	1.76	2.66	2.76	2.50	7.02
Participant Test	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Administration Costs	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
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	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Participant Bill Savings (Electric) (gross)	\$3,674,573.80	\$3,593,449.88	\$3,674,573.80	\$3,674,573.80	\$3,674,573.80	\$3,742,378.80
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,674,573.80	\$3,593,449.88	\$3,674,573.80	\$3,674,573.80	\$3,674,573.80	\$3,742,378.80
Test Results	3.02	2.96	3.02	3.02	3.02	3.07

Utility (PAC/UTC) Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$2,142,391.88	\$1,316,404.84	\$2,205,514.28	\$2,305,720.91	\$2,051,809.37	\$6,502,163.91
Levelized Cost (kW)	\$23.0821	\$23.0821	\$23.0821	\$23.0821	\$23.0821	\$23.0821
Levelized Cost (kWh)	\$0.0078	\$0.0080	\$0.0078	\$0.0078	\$0.0078	\$0.0078
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$2,345,921.84	\$1,106,906.46	\$2,430,448.12	\$2,579,332.94	\$2,202,215.96	\$8,826,007.48
Levelized Cost (kW)	\$75.3559	\$75.3559	\$75.3559	\$75.3559	\$75.3559	\$75.3559
Levelized Cost (kWh)	\$0.0254	\$0.0260	\$0.0254	\$0.0254	\$0.0254	\$0.0254
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits (Net Fuel)	-\$889,241.02	#####	-\$826,118.63	-\$725,912.00	-\$979,823.53	\$3,414,999.50
Net Benefits (Net Fuel)	-\$113,555.19	-\$891,794.60	-\$50,432.79	\$49,773.83	-\$204,137.70	\$4,208,403.15

Participants	kW			Summer kW			Winter kW			Generator Meter
	2720	3,819,101	3,527,321	1,054,831	974,242	656,992	711,338	711,338</		

15 Aggregation Results - 2019 - Sect=ALL - Tech=ALL.xlsx

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	2720	0	2720	0	2720	2720	\$1,314,590.88	\$0.00	\$1,314,590.88	\$1,314,590.88	\$0.00	\$1,314,590.88
2	0	0	1659	0	1659	1659	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	1659	0	1659	1659	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	1659	0	1659	1659	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	1659	0	1659	1659	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	1655	0	1655	1655	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	1639	0	1639	1639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	1639	0	1639	1639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	1639	0	1639	1639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	29	0	29	29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	29	0	29	29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	29	0	29	29	\$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	2,720	0	25,945	0	25,945	25,945	\$1,314,591	\$0	\$1,314,591	\$1,314,591	\$0	\$1,314,591

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)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	
1	0.435	0.435	0.389	0.389	0.292	0.292	1,404.08	1,404.08	1,183	1,055	711	711	3,819.101	3,819.101	1,183	1,055	711	711	3,819.101	3,819.101	
2	0.419	0.419	0.341	0.341	0.429	0.429	2,289.69	2,289.69	694	694	566	566	711	711	3,798.602	3,798.602	0	0	0	0	
3	0.419	0.419	0.341	0.341	0.429	0.429	2,289.69	2,289.69	694	694	566	566	711	711	3,798.602	3,798.602	0	0	0	0	
4	0.419	0.419	0.341	0.341	0.429	0.429	2,289.69	2,289.69	694	694	566	566	711	711	3,798.602	3,798.602	0	0	0	0	
5	0.419	0.419	0.341	0.341	0.429	0.429	2,289.69	2,289.69	694	694	566	566	711	711	3,798.602	3,798.602	0	0	0	0	
6	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
7	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
8	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
9	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
10	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
11	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
12	0.407	0.407	0.330	0.330	0.417	0.417	2,260.68	2,260.68	674	674	545	545	691	691	3,741.424	3,741.424	0	0	0	0	
13	0.384	0.384	0.305	0.305	0.394	0.394	2,187.07	2,187.07	629	629	501	501	646	646	3,584.606	3,584.606	0	0	0	0	
14	0.384	0.384	0.305	0.305	0.394	0.394	2,187.07	2,187.07	629	629	501	501	646	646	3,584.606	3,584.606	0	0	0	0	
15	0.384	0.384	0.305	0.305	0.394	0.394	2,187.07	2,187.07	629	629	501	501	646	646	3,584.606	3,584.606	0	0	0	0	
16	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	52	52	109	109	619.983	619.983	0	0	0	0	
17	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	52	52	109	109	619.983	619.983	0	0	0	0	
18	1.999	1.999	1.799	1.799	3.747	3.747	21,378.71	21,378.71	58	58	52	52	109	109	619.983	619.983	0	0	0	0	
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0	0	0	
Totals	0.435	0.435	0.389	0.389	0.292	0.292	97,095	97,095	1,183	1,055	711	711	57,817.244	57,817.244	1,183	1,055	711	711	3,819.101	3,819.101	

Lost Revenue Dollars (Losses Included)											
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			Net Fuel	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	\$113.80	\$0.00	\$113.80	\$309,539.78	\$0.00	\$309,539.78	\$223,216.18	\$0.00	\$223,216.18	\$0.00	\$0.00
2	\$192.79	\$0.00	\$192.79	\$319,835.25	\$0.00	\$319,835.25	\$233,974.98	\$0.00	\$233,974.98	\$0.00	\$0.00
3	\$194.72	\$0.00	\$194.72	\$323,033.60	\$0.00	\$323,033.60	\$237,173.33	\$0.00	\$237,173.33	\$0.00	\$0.00
4	\$196.66	\$0.00	\$196.66	\$326,263.94	\$0.00	\$326,263.94	\$240,403.67	\$0.00	\$240,403.67	\$0.00	\$0.00
5	\$198.63	\$0.00	\$198.63	\$329,526.58	\$0.00	\$329,526.58	\$243,666.30	\$0.00	\$243,666.30	\$0.00	\$0.00
6	\$198.09	\$0.00	\$198.09	\$327,833.54	\$0.00	\$327,833.54	\$243,265.67	\$0.00	\$243,265.67	\$0.00	\$0.00
7	\$200.07	\$0.00	\$200.07	\$331,111.87	\$0.00	\$331,111.87	\$246,544.01	\$0.00	\$246,544.01	\$0.00	\$0.00
8	\$202.07	\$0.00	\$202.07	\$334,422.99	\$0.00	\$334,422.99	\$249,855.13	\$0.00	\$249,855.13	\$0.00	\$0.00
9	\$204.09	\$0.00	\$204.09	\$337,767.22	\$0.00	\$337,767.22	\$253,199.36	\$0.00	\$253,199.36	\$0.00	\$0.00
10	\$206.13	\$0.00	\$206.13	\$341,098.53	\$0.00	\$341,098.53	\$256,577.03	\$0.00	\$256,577.03	\$0.00	\$0.00
11	\$208.19	\$0.00	\$208.19	\$344,556.34	\$0.00	\$344,556.34	\$259,888.48	\$0.00	\$259,888.48	\$0.00	\$0.00
12	\$210.27	\$0.00	\$210.27	\$348,001.91	\$0.00	\$348,001.91	\$263,434.04	\$0.00	\$263,434.04	\$0.00	\$0.00
13	\$206.05	\$0.00	\$206.05	\$337,721.32	\$0.00	\$337,721.32	\$256,698.04	\$0.00	\$256,698.04	\$0.00	\$0.00
14	\$208.11	\$0.00	\$208.11	\$341,098.53	\$0.00	\$341,098.53	\$260,075.26	\$0.00	\$260,075.26	\$0.00	\$0.00
15	\$210.19	\$0.00	\$210.19	\$344,509.52	\$0.00	\$344,509.52	\$263,496.24	\$0.00	\$263,496.24	\$0.00	\$0.00
16	\$2,557.67	\$0.00	\$2,557.67	\$74,172.55	\$0.00	\$74,172.55	\$60,159.01	\$0.00	\$60,159.01	\$0.00	\$0.00
17	\$2,583.25	\$0.00	\$2,583.25	\$74,914.28	\$0.00	\$74,914.28	\$60,900.73	\$0.00	\$60,900.73	\$0.00	\$0.00
18	\$2,609.08	\$0.00	\$2,609.08	\$75,663.42	\$0.00	\$75,663.42	\$61,649.88	\$0.00	\$61,649.88	\$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	\$10,699.87	\$0.00	\$10,699.87	\$5,221,117.53	\$0.00	\$5,221,117.53	\$3,914,267.33	\$0.00	\$3,914,267.33	\$0.00	\$0.00

15 Aggregation Results - 2019 - Sect=ALL - Tech=ALL.xlsx

Utility Program Costs (Losses Included)										
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Programs	Other	\$/kW	\$/kWh	\$/kWh	\$/kWh	\$/CCF	\$/CCF
1	\$138,582.00	\$12,675.00	\$297,743.00	\$0.00	\$449,000.00	\$254.22	\$254.22	\$0.12	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$138,582.00	\$12,675.00	\$297,743.00	\$0.00	\$449,000.00	\$254.22	\$254.22	\$0.12	\$0.12	\$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	Gas Distribution	Gas Commodity
1	\$187,639.33	\$0.00	\$90,839.78	\$0.00	\$278,479.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$189,041.02	\$0.00	\$56,588.25	\$0.00	\$245,629.27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$195,438.70	\$0.00	\$56,375.02	\$0.00	\$251,813.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$201,220.85	\$0.00	\$55,707.84	\$0.00	\$256,928.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$213,021.99	\$0.00	\$55,045.02	\$0.00	\$268,067.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$215,393.39	\$0.00	\$52,987.85	\$0.00	\$268,381.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$221,763.98	\$0.00	\$52,388.79	\$0.00	\$274,152.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$222,678.24	\$0.00	\$51,788.29	\$0.00	\$274,466.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$228,209.58	\$0.00	\$51,195.71	\$0.00	\$279,405.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$231,016.94	\$0.00	\$50,609.46	\$0.00	\$281,626.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$237,947.45	\$0.00	\$50,027.59	\$0.00	\$287,975.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$245,085.87	\$0.00	\$49,457.84	\$0.00	\$294,543.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$242,415.51	\$0.00	\$46,660.14	\$0.00	\$289,075.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$249,687.97	\$0.00	\$46,757.57	\$0.00	\$296,445.55	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$257,178.61	\$0.00	\$46,857.93	\$0.00	\$304,036.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$47,376.53	\$0.00	\$8,925.47	\$0.00	\$56,302.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$46,800.92	\$0.00	\$8,945.70	\$0.00	\$55,746.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$50,264.95	\$0.00	\$8,966.54	\$0.00	\$59,231.49	\$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	\$3,487,182.95	\$0.00	\$840,122.89	\$0.00	\$4,327,305.84	\$0.00	\$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	Gas Distribution	Gas Commodity
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$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	Gas Distribution	Gas Commodity
1	\$135,037.76	\$55,900.78	\$90,839.78	\$0.00	\$281,778.32	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	\$136,056.26	\$31,060.92	\$56,588.25	\$0.00	\$223,704.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$140,659.75	\$31,244.88	\$56,375.02	\$0.00	\$228,279.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$147,700.16	\$88,254.71	\$55,707.94	\$0.00	\$291,662.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$153,314.67	\$88,254.71	\$55,045.02	\$0.00	\$296,614.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$155,013.68	\$85,051.15	\$52,987.85	\$0.00	\$293,052.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$155,878.77	\$85,051.15	\$52,388.79	\$0.00	\$296,318.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$160,254.98	\$85,051.15	\$51,788.29	\$0.00	\$297,092.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$164,237.20	\$85,051.15	\$51,195.71	\$0.00	\$300,484.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$166,257.59	\$85,051.15	\$50,609.46	\$0.00	\$301,918.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$171,245.31	\$85,051.15	\$50,027.59	\$0.00	\$306,324.06	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$176,382.67	\$85,051.15	\$49,457.84	\$0.00	\$310,891.67	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$174,435.70	\$78,070.40	\$46,660.14	\$0.00	\$299,166.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$179,668.77	\$78,070.40	\$46,757.57	\$0.00	\$304,496.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$185,058.83	\$78,070.40	\$46,857.93	\$0.00	\$309,987.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$34,054.34	\$8,136.10	\$8,925.47	\$0.00	\$51,115.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$35,075.97	\$8,136.10	\$8,945.70	\$0.00	\$52,157.77	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$36,128.24	\$8,136.10	\$8,966.54	\$0.00	\$53,230.89	\$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	\$2,509,459.64	\$1,148,693.55	\$840,122.89	\$0.00	\$4,498,276.08	\$4,498,276.08	\$0.00	\$0.00	\$0.00	\$0.00