

01 DSMore 2016 Aggregation Results - 2019 - Sectr=RES-D-E-E-P - Tech=ACC.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	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												Electric Impacts/Savings						Yearly Incremental (Per Participant * Incremental Participants)					
	KW	KW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	KW	KW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	KW	KW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.739	0.739	0.739	0.739	0.000	0.000	311	311	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	311	311	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

02 DSMore 2016 Aggregation Results - 2019 - Sect=RESDEEEP - 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	20	0	20	0	20	20	\$86,000.00	\$0.00	\$86,000.00	\$86,000.00	\$0.00
2	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	0	0	20	0	20	20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	20	0	360	0	360	360	\$86,000	\$0	\$86,000	\$86,000	\$0	\$86,000

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	1.574	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298,204	298,204		
2	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1.574	1.574	1.417	1.417	0.000	0.000	14,910.19	14,910.19	31	31	28	28	0	0	298,204	298,204	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	0.000	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	
20	0.000	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	
21	0.000	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	
22	0.000	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	
23	0.000	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
24	0.000	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
25	0.000	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
Totals	1.574	1.574	1.417	1.417	0.000	0.000	268,583	268,583	31	31	28	28	0	0	5,367,667	5,367,667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298,204	298,204	

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	\$1,492.16	\$0.00	\$1,492.16	\$29,843.12	\$0.00	\$29,843.12	\$23,102.78	\$0.00	\$23,102.78	\$0.00	\$0.00
2	\$1,551.94	\$0.00	\$1,551.94	\$31,036.94	\$0.00	\$31,036.94	\$24,296.51	\$0.00	\$24,296.51	\$0.00	\$0.00	\$0.00
3	\$1,567.36	\$0.00	\$1,567.36	\$31,347.21	\$0.00	\$31,347.21	\$24,606.88	\$0.00	\$24,606.88	\$0.00	\$0.00	\$0.00
4	\$1,583.03	\$0.00	\$1,583.03	\$31,660.68	\$0.00	\$31,660.68	\$24,920.35	\$0.00	\$24,920.35	\$0.00	\$0.00	\$0.00
5	\$1,598.86	\$0.00	\$1,598.86	\$31,977.29	\$0.00	\$31,977.29	\$25,236.96	\$0.00	\$25,236.96	\$0.00	\$0.00	\$0.00
6	\$1,614.85	\$0.00	\$1,614.85	\$32,297.06	\$0.00	\$32,297.06	\$25,556.73	\$0.00	\$25,556.73	\$0.00	\$0.00	\$0.00
7	\$1,631.00	\$0.00	\$1,631.00	\$32,620.03	\$0.00	\$32,620.03	\$25,879.70	\$0.00	\$25,879.70	\$0.00	\$0.00	\$0.00
8	\$1,647.31	\$0.00	\$1,647.31	\$32,946.23	\$0.00	\$32,946.23	\$26,205.90	\$0.00	\$26,205.90	\$0.00	\$0.00	\$0.00
9	\$1,663.78	\$0.00	\$1,663.78	\$33,276.70	\$0.00	\$33,276.70	\$26,536.36	\$0.00	\$26,536.36	\$0.00	\$0.00	\$0.00
10	\$1,680.42	\$0.00	\$1,680.42	\$33,608.45	\$0.00	\$33,608.45	\$26,8					

02 DSMore 2016 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 DSMore 2016 Aggregation Results - 2019 - Sect=RES-EEP - Tech=GSPH.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Bested	Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	8.071632333	6.03471426	9.380745957	9.710799108	8.891080772	25.26139638
TRC Test	2.608899181	1.953929151	3.028969027	3.136906559	2.868833451	8.222430146
RIM Test	0.642974221	0.495603012	0.747256209	0.773547775	0.708250212	1.976620608
RM (Net Fuel)	0.70355497411	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 Cost / kWh Savings	\$0.0052	\$0.0052	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0.0000	\$0.0000	
Allocated Costs / kWh Savings	\$2.2211	\$2.2211	17.66%
Allocated Costs / CCF Savings	\$0.0043	\$0.0043	82.34%
	\$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
\$369,420.12	\$141,600.00	\$227,820.12	2.61	TRC Test
\$242,148.99	\$376,607.62	(\$134,458.63)	0.64	RIM Test
\$242,148.99	\$305,146.96	(\$82,997.97)	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 Revenues	\$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	\$214,617.94	\$169,046.84	\$321,271.49	\$336,555.44	\$298,596.29	\$1,056,665.58
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$47,174.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$107,630.53	\$107,630.53	\$107,630.53	\$107,630.53	\$107,630.53	\$107,630.53
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	\$389,420.12	\$276,676.37	\$428,902.01	\$444,185.97	\$406,226.82	\$1,164,296.11
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 Revenues	\$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	2.61	1.95	3.03	3.14	2.87	8.22
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 Revenues	\$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
	0.79	0.61	0.92	0.95	0.87	2.44
Societal Test						
Avoided Electric Production	\$220,611.51	\$173,786.73	\$330,243.54	\$345,354.32	\$306,935.10	\$1,086,174.78
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 Revenues	\$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	\$227,820.12	\$135,076.37	\$287,902.01	\$302,585.97	\$264,626.82	\$1,022,696.11
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	-\$116,195.62	-\$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			Summer MW		Winter kW		Generator
	Bested	Minimum	Today	Alternate	Option	Maximum		
a	321,779	297,195	23,851	108,668	100,366			Meter

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$7,500.00	\$0.00	\$0.00	\$22,500	

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Participation and Total Participant Costs							Total Participant Costs			Total Participant Costs		
Year	Participation						Gross			Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	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	\$28,211.32	\$0.00	\$28,211.32	\$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	\$27,571.17	\$0.00	\$27,571.17	\$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 DSMore 2016 Aggregation Results - 2019 - Sect=RES-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	\$/kWh	\$/CCF	\$/CCF
1	\$7,500.00	\$0.00	\$22,500.00	\$0.00	\$30,000.00	\$226.38	\$226.38	\$0.09	\$0.09	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$7,500.00	\$0.00	\$22,500.00	\$0.00	\$30,000.00	\$226.38	\$226.38	\$0.09	\$0.09	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric				Cumulative Gas				
	Energy	Address/Capacity	T&D	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	\$19,689.22	\$0.00	\$7,436.07	\$0.00	\$27,116.29	\$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	\$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	\$19,689.22	\$0.00	\$7,436.07	\$0.00	\$27,116.29	\$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	\$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	\$26,066.01	\$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	\$0.00

04 DSMore 2016 Aggregation Results - 2019 - Sect-RES-D-E-E-P - Tech-CAL.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test	4.887102265	3.408792445	5.42894702	5.656114162	5.084198385	15.43524971
TRC Test	65535	65535	65535	65535	65535	65535
RM Test	0.544524518	0.389229811	0.604562995	0.630210615	0.5068485112	1.694063576
RM (Net Fuel) Test	0.6959204877	0.477859595	0.742761517	0.774278225	0.6959204866	2.082198416
Societal Test	65535	65535	65535	65535	65535	65535
Participant Test	65535	65535	65535	65535	65535	65535

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$34,8384	\$34,8384	100.00%
Total Costs / kWh Savings	\$0.0081	\$0.0081	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated Costs / kW Savings	\$8,7220	\$8,7220	25.04%
Allocated Costs / kWh Savings	\$0.0061	\$0.0061	74.96%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				Benefit/ Cost Ratio	Utility (PAC) Test	TRC Test	RM Test	RM (Net Fuel) Test	Societal Test	Participant Test
Total Benefits	Total Costs	Net Benefits	Cost Ratio							
\$32,987.94	\$6,750.00	\$26,237.94	4.89	inf.	inf.	inf.	0.67	inf.	inf.	inf.
\$57,330.73	\$0.00	\$57,330.73	inf.	inf.	inf.	inf.	0.67	inf.	inf.	inf.
\$32,987.94	\$60,581.18	(\$27,593.24)	0.54	inf.	inf.	inf.	0.67	inf.	inf.	inf.
\$32,987.94	\$49,305.12	(\$16,317.18)	0.67	inf.	inf.	inf.	0.67	inf.	inf.	inf.
\$48,629.16	\$0.00	\$48,629.16	inf.	inf.	inf.	inf.	0.67	inf.	inf.	inf.
\$90,302.49	\$0.00	\$90,302.49	inf.	inf.	inf.	inf.	0.67	inf.	inf.	inf.

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
UTILITY (PAC) Test						
Avoided Electric Production	\$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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
Total	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	4.89	3.41	5.43	5.66	5.08	15.44
TRC Test						
Avoided Electric Production	\$37,607.14	\$32,890.51	\$56,463.86	\$59,153.93	\$52,470.04	\$173,436.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$13,136.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$6,586.60	\$6,586.60	\$6,586.60	\$6,586.60	\$6,586.60	\$6,586.60
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	\$57,330.73	\$39,477.10	\$63,050.46	\$65,740.53	\$59,056.63	\$180,023.57
Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Tax Credits (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
Total	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00	\$6,750.00
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	0.54	0.39	0.60	0.63	0.57	1.69
	0.67	0.48	0.74	0.77	0.70	2.08
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
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!

UTILITY (PAC/UTC) Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Net Benefits	\$26,237.94	\$16,259.35	\$29,875.14	\$31,428.91	\$27,568.34	\$87,437.94
Levelized Cost (kW)	\$34,8384	\$34,8384	\$34,8384	\$34,8384	\$34,8384	\$34,8384
Levelized Cost (kWh)	\$0.0081	\$0.0081	\$0.0081	\$0.0081	\$0.0081	\$0.0081
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$57,330.73	\$39,477.10	\$63,050.46	\$65,740.53	\$59,056.63	\$180,023.57
Levelized Cost (kW)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	-\$27,593.24	-\$36,105.72	-\$23,956.04	-\$22,402.28	-\$26,262.85	\$42,686.15
Net Benefits (Net Fuel)	-\$16,321.18	-\$25,141.60	-\$12,683.97	-\$11,130.21	-\$14,990.78	\$54,150.49
Net Benefits	\$48,629.16	\$33,589.54	\$53,597.28	\$55,880.46	\$50,207.55	\$152,877.51
Levelized Cost (kW)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Net Benefits	\$90,302.49	\$88,026.90	\$90,302.49	\$90,302.49	\$90,302.49	\$91,731.37

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

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$0.00	\$0.00	\$0.00	\$6,750.00	\$6,750.00

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

04 DSMore 2016 Aggregation Results - 2019 - Sects=RES-D-E-E-P - Tech=CAL.xlsx

Utility Program Costs (Losses Included)										
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved					
	Administration	Implementation	Enrollment	Other	Total	\$/kW	\$/kWh (net)	\$/kWh	\$/kWh (net)	\$/CCF (net)
1	\$0.00	\$0.00	\$6,750.00	\$0.00	\$6,750.00	\$222.58	\$222.58	\$0.12	\$0.12	\$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	\$0.00	\$0.00	\$6,750.00	\$0.00	\$6,750.00	\$222.58	\$222.58	\$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	Auxiliary	Total	Total
1	\$2,874.20	\$0.00	\$467.99	\$0.00	\$3,342.19	\$0.00
2	\$2,913.00	\$0.00	\$464.89	\$0.00	\$3,377.89	\$0.00
3	\$3,011.59	\$0.00	\$463.14	\$0.00	\$3,474.73	\$0.00
4	\$3,162.32	\$0.00	\$457.66	\$0.00	\$3,619.98	\$0.00
5	\$3,282.53	\$0.00	\$452.21	\$0.00	\$3,734.75	\$0.00
6	\$3,367.12	\$0.00	\$447.00	\$0.00	\$3,814.12	\$0.00
7	\$3,451.08	\$0.00	\$441.94	\$0.00	\$3,893.02	\$0.00
8	\$3,490.97	\$0.00	\$436.86	\$0.00	\$3,917.83	\$0.00
9	\$3,567.47	\$0.00	\$431.88	\$0.00	\$3,999.35	\$0.00
10	\$3,611.36	\$0.00	\$426.93	\$0.00	\$4,038.29	\$0.00
11	\$3,719.70	\$0.00	\$422.02	\$0.00	\$4,141.72	\$0.00
12	\$3,811.29	\$0.00	\$417.22	\$0.00	\$4,248.51	\$0.00
13	\$3,946.23	\$0.00	\$418.07	\$0.00	\$4,364.29	\$0.00
14	\$4,064.62	\$0.00	\$418.94	\$0.00	\$4,483.55	\$0.00
15	\$4,186.55	\$0.00	\$419.84	\$0.00	\$4,606.39	\$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	\$52,470.04	\$0.00	\$6,586.60	\$0.00	\$59,056.63	\$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	\$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	\$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	Total
1	\$2,060.04	\$342.26	\$467.99	\$0.00	\$2,870.29	\$0.00
2	\$2,087.85	\$354.40	\$464.89	\$0.00	\$2,907.15	\$0.00
3	\$2,150.51	\$356.50	\$463.14	\$0.00	\$2,978.15	\$0.00
4	\$2,266.55	\$1,006.99	\$457.66	\$0.00	\$3,731.20	\$0.00
5	\$2,352.71	\$1,006.99	\$452.21	\$0.00	\$3,811.91	\$0.00
6	\$2,413.34	\$1,006.99	\$447.00	\$0.00	\$3,867.32	\$0.00
7	\$2,473.51	\$1,006.99	\$441.94	\$0.00	\$3,922.44	\$0.00
8	\$2,494.94	\$1,006.99	\$436.86	\$0.00	\$3,938.78	\$0.00
9	\$2,556.93	\$1,006.99	\$431.88	\$0.00	\$3,995.80	\$0.00
10	\$2,586.39	\$1,006.99	\$426.93	\$0.00	\$4,022.31	\$0.00
11	\$2,666.04	\$1,006.99	\$422.02	\$0.00	\$4,095.05	\$0.00
12	\$2,746.02	\$1,006.99	\$417.22	\$0.00	\$4,170.22	\$0.00
13	\$2,828.40	\$1,006.99	\$418.07	\$0.00	\$4,253.45	\$0.00
14	\$2,913.25	\$1,006.99	\$418.94	\$0.00	\$4,339.19	\$0.00
15	\$3,000.65	\$1,006.99	\$419.84	\$0.00	\$4,427.47	\$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	\$37,607.14	\$13,136.99	\$6,586.60	\$0.00	\$57,330.73	\$0.00

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Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Based	Minimum	Today		Option	
			Minimum	Today	Alternate	Option
Utility (PAC) Test	7.336991434	5.102105402	7.98749704	8.279920381	7.553633063	21.9640814
TRC Test	3.076601839	2.13932159	3.405565095	3.534020901	3.214976433	9.53858822
RIM Test	0.653432627	0.464025175	0.711366671	0.737409091	0.672726736	1.921996033
RM (Net Fuel)	0.304910331	0.571246356	0.576105887	0.309354223	0.3228714216	2.368188061
Societal Test	3.129363673	2.175934821	3.468634673	3.599550517	3.274398044	9.72758985
Participant Test	5.62271158	5.499126993	5.62271158	5.62271158	5.62271158	5.72863094

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Normal	Levelized	% Allocation
	Total Costs / kW Savings	\$19,7745	\$19,7745
Total Costs / kWh Savings	\$0.0059	\$0.0059	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	\$5.0046	\$5.0046	25.31%
Allocated Costs / kWh Savings	\$0.0044	\$0.0044	74.69%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$519,092.14	\$70,750.00	\$448,342.14	7.34	Utility (PAC) Test
\$768,381.52	\$249,100.00	\$519,281.52	3.08	TRC Test
\$519,092.14	\$794,408.06	(\$275,315.91)	0.65	RIM Test
\$519,092.14	\$644,986.93	(\$125,894.79)	0.80	RM (Net Fuel) Test
\$779,524.49	\$249,100.00	\$530,424.49	3.13	Societal Test
\$1,237,558.82	\$220,100.00	\$1,017,458.82	5.62	Participant Test

Present Values (PVs) of Costs and Benefits Per Test	Cost Based		Market-Based			
	Based	Minimum	Today		Option	
			Minimum	Today	Alternate	Option
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	\$565,115.42	\$585,804.37	\$534,419.54	\$1,553,958.76
Administration Costs	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00
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	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00
Total	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	7.34	5.10	7.99	8.29	7.55	21.96
TRC Test						
Avoided Electric Production	\$449,143.18	\$357,101.93	\$672,523.19	\$704,521.53	\$625,047.55	\$2,200,259.25
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$141,635.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$175,803.08	\$175,803.08	\$175,803.08	\$175,803.08	\$175,803.08	\$175,803.08
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	\$766,381.52	\$532,905.01	\$848,326.27	\$880,324.61	\$800,850.63	\$2,376,062.33
Administration Costs	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00
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
Total	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00
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	3.53	3.21	9.54
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	\$565,115.42	\$585,804.37	\$534,419.54	\$1,553,958.76
Administration Costs	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00
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	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00	\$41,750.00
Total	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00	\$70,750.00
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	0.74	0.67	1.92
0.80	0.57	0.88	0.91	0.83	2.37	
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	\$143,130.00	\$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	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00	\$18,375.00
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
Total	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00	\$29,000.00
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	3.13	2.18	3.47	3.60	3.27	9.73
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			
	Based	Minimum	Today		Option	
			Minimum	Today	Alternate	Option
Net Benefits	\$448,342.14	\$290,223.96	\$494,365.42	\$515,054.37	\$463,695.54	\$1,483,208.76
Levelized Cost (kW)	\$19,7745	\$19,7745	\$19,7745	\$19,7745	\$19,7745	\$19,7745
Levelized Cost (kWh)	\$0.0059	\$0.0060	\$0.0059	\$0.0059	\$0.0059	\$0.0058
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$517,281.52	\$283,805.01	\$599,226.27	\$631,224.61	\$551,750.63	\$2,126,962.33
Levelized Cost (kW)	\$69,6229	\$69,6229	\$69,6229	\$69,6229	\$69,6229	\$69,6229
Levelized Cost (kWh)	\$0.0207	\$0.0212	\$0.0207	\$0.0207	\$0.0207	\$0.0203
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits (Net Fuel)	-\$275,315.91	-\$416,944.95	-\$229,292.64	-\$208,603.69	-\$259,988.52	\$745,445.77
Net Benefits (Net Fuel)	-\$125,894.79	-\$270,931.96	-\$79,871.51	-\$59,182.56	-\$110,567.39	\$897,778.29
Societal Test						
Net Benefits	\$530,424.49	\$292,925.36	\$614,936.90	\$647,548.03	\$566,552.55	\$2,174,042.63
Levelized Cost (kW)	\$69,6229	\$69,6229	\$69,6229	\$69,6229	\$69,6229	\$69,6229
Levelized Cost (kWh)	\$0.0207	\$0.0212	\$0.0207	\$0.0207	\$0.0207	\$0.0203
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

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net Free/Drop-out)	One-Time Investment	Annual Costs	Total	One-Time Investment	Annual Costs	Total
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)	kW	kW (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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	52	52	109	109	619,983	619,983
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0
Totals	0.281	0.281	0.290	0.290	0.053	0.053	317.73	317.73	615	547	547	547	115	115	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 Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out 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 DSMore 2016 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 (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$18,375.00	\$10,625.00	\$41,750.00	\$0.00	\$70,750.00	\$106.78	\$106.78	\$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	
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	\$18,375.00	\$10,625.00	\$41,750.00	\$0.00	\$70,750.00	\$106.78	\$106.78	\$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	\$36,570.47	\$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	

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	\$36,570.47	\$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	

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	

06 DSMore 2016 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=ASHP.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Base	Minimum	Today		Option	
			Alternate	Option	Maximum	
Utility (PAC) Test	8.84543597	6.807135296	10.61695319	11.08133305	9.926943111	28.6381695
TRC Test	2.521945032	1.933714912	2.877012359	3.107680075	2.782963548	8.045047916
RIM Test	0.597091538	0.471367317	0.708662373	0.739658867	0.662605452	1.878284801
RM (Net Fuel)	0.765354313	0.603765023	0.806266254	0.848097706	0.744333038	2.408837229
Societal Test	2.587634015	1.98328339	3.053642025	3.187625149	2.85455995	8.25132967
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				
Benefit	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$161,017.82	\$18,000.00	\$143,017.82	8.35	Utility (PAC) Test
\$231,199.31	\$91,675.00	\$139,524.31	2.52	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						
Avoided Electric Production	\$116,421.90	\$108,447.45	\$175,224.17	\$183,583.00	\$162,803.99	\$499,606.06
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$28,714.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99
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 Arrears	\$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						
Avoided Electric Production	\$166,751.07	\$155,329.27	\$250,973.56	\$262,945.92	\$233,184.14	\$715,585.72
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$42,504.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$21,944.05	\$21,944.05	\$21,944.05	\$21,944.05	\$21,944.05	\$21,944.05
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	\$231,199.31	\$177,273.31	\$272,917.61	\$284,889.97	\$255,128.18	\$737,529.77
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 Arrears	\$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	2.52	1.93	2.98	3.11	2.78	8.05
RIM Test						
Avoided Electric Production	\$116,421.90	\$108,447.45	\$175,224.17	\$183,583.00	\$162,803.99	\$499,606.06
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$28,714.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99	\$15,880.99
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 Arrears	\$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
Societal Test						
Avoided Electric Production	\$171,076.28	\$159,388.22	\$257,483.35	\$269,766.25	\$239,232.50	\$734,146.68
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$43,685.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29	\$22,459.29
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 Arrears	\$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						
Incentives	\$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	\$139,524.31	\$85,598.31	\$181,242.61	\$193,214.97	\$163,453.18	\$645,854.77
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	\$684,930.96
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)						

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	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							
	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 Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out 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 DSMore 2016 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	\$/kWh (net)	\$/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	\$0.00	\$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	\$5,500.00	\$0.00	\$12,500.00	\$0.00	\$18,000.00	\$704.10	\$704.10	\$0.06	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Address/Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00	\$0.00	\$0.00	
2	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00	\$0.00	\$0.00	
3	\$16,179.09	\$0.00	\$1,833.27	\$0.00	\$18,012.36	\$0.00	\$0.00	\$0.00	
4	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00	\$0.00	\$0.00	
5	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00	\$0.00	\$0.00	
6	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00	\$0.00	\$0.00	
7	\$18,539.03	\$0.00	\$1,749.36	\$0.00	\$20,288.39	\$0.00	\$0.00	\$0.00	
8	\$18,890.62	\$0.00	\$1,729.24	\$0.00	\$20,619.86	\$0.00	\$0.00	\$0.00	
9	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00	\$0.00	\$0.00	
10	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00	\$0.00	\$0.00	
11	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.56	\$0.00	\$0.00	\$0.00	
12	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00	\$0.00	\$0.00	
13	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00	\$0.00	\$0.00	
14	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00	\$0.00	\$0.00	
15	\$22,489.97	\$0.00	\$1,601.86	\$0.00	\$24,091.82	\$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	\$281,866.52	\$0.00	\$26,071.95	\$0.00	\$307,938.47	\$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	\$15,440.08	\$0.00	\$1,852.45	\$0.00	\$17,292.54	\$0.00	\$0.00	\$0.00	
2	\$15,648.50	\$0.00	\$1,840.20	\$0.00	\$17,488.70	\$0.00	\$0.00	\$0.00	
3	\$16,179.09	\$0.00	\$1,833.27	\$0.00	\$18,012.36	\$0.00	\$0.00	\$0.00	
4	\$16,987.85	\$0.00	\$1,811.57	\$0.00	\$18,799.42	\$0.00	\$0.00	\$0.00	
5	\$17,633.61	\$0.00	\$1,790.02	\$0.00	\$19,423.62	\$0.00	\$0.00	\$0.00	
6	\$18,088.03	\$0.00	\$1,769.36	\$0.00	\$19,857.39	\$0.00	\$0.00	\$0.00	
7	\$18,539.03	\$0.00	\$1,749.36	\$0.00	\$20,288.39	\$0.00	\$0.00	\$0.00	
8	\$18,890.62	\$0.00	\$1,729.24	\$0.00	\$20,619.86	\$0.00	\$0.00	\$0.00	
9	\$19,164.29	\$0.00	\$1,709.52	\$0.00	\$20,873.81	\$0.00	\$0.00	\$0.00	
10	\$19,400.04	\$0.00	\$1,689.94	\$0.00	\$21,089.99	\$0.00	\$0.00	\$0.00	
11	\$19,982.04	\$0.00	\$1,670.51	\$0.00	\$21,652.56	\$0.00	\$0.00	\$0.00	
12	\$20,581.50	\$0.00	\$1,651.49	\$0.00	\$22,232.99	\$0.00	\$0.00	\$0.00	
13	\$21,198.95	\$0.00	\$1,634.84	\$0.00	\$22,833.79	\$0.00	\$0.00	\$0.00	
14	\$21,834.92	\$0.00	\$1,618.30	\$0.00	\$23,453.22	\$0.00	\$0.00	\$0.00	
15	\$22,489.97	\$0.00	\$1,601.86	\$0.00	\$24,091.82	\$0.00	\$0.00	\$0.00	
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$0.00	

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Auxiliary	Total	Gas Distribution	Gas Commodity	Total	
1	\$11,041.28	\$1,354.79	\$1,852.45	\$0.00	\$14,248.52	\$0.00	\$0.00	\$0.00	
2	\$11,190.32	\$1,402.85	\$1,840.20	\$0.00	\$14,433.37	\$0.00	\$0.00	\$0.00	
3	\$11,560.03	\$1,411.16	\$1,833.27	\$0.00	\$14,813.46	\$0.00	\$0.00	\$0.00	
4	\$12,148.09	\$3,085.98	\$1,811.57	\$0.00	\$17,945.65	\$0.00	\$0.00	\$0.00	
5	\$12,609.87	\$3,085.98	\$1,790.02	\$0.00	\$18,385.87	\$0.00	\$0.00	\$0.00	
6	\$12,934.83	\$3,085.98	\$1,769.36	\$0.00	\$18,690.18	\$0.00	\$0.00	\$0.00	
7	\$13,257.35	\$3,085.98	\$1,749.36	\$0.00	\$18,992.69	\$0.00	\$0.00	\$0.00	
8	\$13,372.18	\$3,085.98	\$1,729.24	\$0.00	\$19,087.41	\$0.00	\$0.00	\$0.00	
9	\$13,704.47	\$3,085.98	\$1,709.52	\$0.00	\$19,399.98	\$0.00	\$0.00	\$0.00	
10	\$13,873.06	\$3,085.98	\$1,689.94	\$0.00	\$19,548.99	\$0.00	\$0.00	\$0.00	
11	\$14,289.25	\$3,085.98	\$1,670.51	\$0.00	\$19,945.75	\$0.00	\$0.00	\$0.00	
12	\$14,717.93	\$3,085.98	\$1,651.49	\$0.00	\$20,355.40	\$0.00	\$0.00	\$0.00	
13	\$15,159.47	\$3,085.98	\$1,634.84	\$0.00	\$20,800.30	\$0.00	\$0.00	\$0.00	
14	\$15,614.25	\$3,085.98	\$1,618.30	\$0.00	\$21,258.54	\$0.00	\$0.00	\$0.00	
15	\$16,082.68	\$3,085.98	\$1,601.86	\$0.00	\$21,730.52	\$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	\$201,564.07	\$52,000.60	\$26,071.95	\$0.00	\$279,636.62	\$279,636.62	\$0.00	\$0.00	

07 DSMre 2016 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=GRT.xlsx

Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Utility (PAC) Test	3.262325194	1.843383581	2.636883738	2.728693652	2.498303229	6.438055069
TRC Test	1.111861872	0.616665616	0.885604299	0.916721164	0.83897454	2.173924159
RIM Test	0.836414559	0.481228424	0.675871587	0.699403801	0.640607705	1.625183954
RM (Net Fuel)	1.008458851	0.57955339	0.814933457	0.84326076	0.772376051	1.96103501
Societal Test	1.157130632	0.640505959	0.920437025	0.952908994	0.871926448	2.260721465
Participant Test	0.986419181	0.965290952	0.986419181	0.986419181	0.986419181	1.003459666

Cost of Conserved kWh, kW, and CCF	100% Allocation		
	Nominal	Levelized	% Allocation
Total Costs / kW Savings	\$38,2645	\$38,2645	100.00%
Total Cost / kWh Savings	\$0.0204	\$0.0204	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0.0000	\$0.0000	
Allocated Costs / kW Savings	\$19.0141	\$19.0141	49.69%
Allocated Costs / CCF Savings	\$0.0103	\$0.0103	50.31%
	\$0.0000	\$0.0000	0.00%

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$130,529.41	\$40,000.00	\$90,529.41	3.26	Utility (PAC) Test
\$185,347.37	\$166,700.00	\$18,647.37	1.11	TRC Test
\$130,529.41	\$166,058.27	(\$35,528.86)	0.84	RIM Test
\$130,529.41	\$129,434.53	\$1,094.88	1.01	RM (Net Fuel) Test
\$192,893.68	\$166,700.00	\$26,193.68	1.16	Societal Test
\$149,146.58	\$151,200.00	(\$2,053.42)	0.99	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	\$51,511.47	\$45,596.38	\$77,336.39	\$81,008.78	\$71,833.17	\$229,383.24
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$50,878.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96
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	\$130,529.41	\$73,735.34	\$105,475.35	\$109,147.75	\$99,972.13	\$267,522.20
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Total	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	3.26	1.84	2.64	2.73	2.50	6.44
TRC Test						
Avoided Electric Production	\$72,758.85	\$64,403.91	\$109,235.99	\$114,423.17	\$101,462.81	\$323,998.91
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$74,194.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$38,394.25	\$38,394.25	\$38,394.25	\$38,394.25	\$38,394.25	\$38,394.25
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	\$185,347.37	\$102,798.16	\$147,630.24	\$152,817.42	\$139,857.06	\$362,383.16
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	1.11	0.62	0.89	0.92	0.84	2.17
RIM Test						
Avoided Electric Production	\$51,511.47	\$45,596.38	\$77,336.39	\$81,008.78	\$71,833.17	\$229,383.24
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$50,878.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96	\$28,138.96
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	\$130,529.41	\$73,735.34	\$105,475.35	\$109,147.75	\$99,972.13	\$267,522.20
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Total	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Loss Revenue (Electric)	\$116,058.27	\$113,223.17	\$116,058.27	\$116,058.27	\$116,058.27	\$118,457.26
Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$116,058.27	\$113,223.17	\$116,058.27	\$116,058.27	\$116,058.27	\$118,457.26
Net Fuel Loss Revenue (Electric)	\$89,434.53	\$87,227.76	\$89,434.53	\$89,434.53	\$89,434.53	\$91,319.53
Net Fuel Loss Revenue (Gas)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$89,434.53	\$87,227.76	\$89,434.53	\$89,434.53	\$89,434.53	\$91,319.53
Test Results	0.84	0.48	0.68	0.70	0.64	1.63
1.01	0.58	0.81	0.84	0.77	0.84	1.96
Societal Test						
Avoided Electric Production	\$75,693.58	\$67,001.65	\$113,642.04	\$119,038.45	\$105,555.33	\$337,067.46
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$77,405.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$39,794.81	\$39,794.81	\$39,794.81	\$39,794.81	\$39,794.81	\$39,794.81
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	\$192,893.68	\$106,796.46	\$153,436.85	\$158,833.26	\$145,350.14	\$376,862.27
Administration Costs	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Implementation / Participation Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Costs (net)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	1.16	0.64	0.92	0.95	0.87	2.26
Participant Test						
Incentives	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00	\$24,500.00
Participant Costs (gross)	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00	\$151,200.00
Participant Tax Credits (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant Bill Savings (Electric) (gross)	\$124,646.58	\$121,601.68	\$124,646.58	\$124,646.58	\$124,646.58	\$127,223.10
Participant Bill Savings (Gas) (gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$124,646.58	\$121,601.68	\$124,646.58	\$124,646.58	\$124,646.58	\$127,223.10
Test Results	0.99	0.97	0.99	0.99	0.99	1.00

Utility (PAC/TRC) Test	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
Net Benefits	\$90,529.41	\$33,735.34	\$65,475.35	\$69,147.75	\$59,972.13	\$217,522.20
Levelized Cost (kW)	\$38,2645	\$38,2645	\$38,2645	\$38,2645	\$38,2645	\$38,2645
Levelized Cost (kWh)	\$0.0204	\$0.0209	\$0.0204	\$0.0204	\$0.0204	\$0.0200
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
TRC Test						
Net Benefits	\$18,647.37	-\$63,901.84	-\$19,069.76	-\$13,862.58	-\$26,842.94	\$195,693.16
Levelized Cost (kW)	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674
Levelized Cost (kWh)	\$0.0850	\$0.0871	\$0.0850	\$0.0850	\$0.0850	\$0.0834
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
RIM Test						
Net Benefits	-\$25,528.86	-\$79,487.82	-\$50,582.92	-\$46,910.52	-\$56,086.14	\$99,064.94
Net Benefits (Net Fuel)	\$1,094.88	-\$53,492.42	-\$23,959.18	-\$20,286.78	-\$29,462.40	\$126,202.67
Societal Test						
Net Benefits	\$26,193.68	-\$59,903.54	-\$13,263.15	-\$7,996.74	-\$21,349.86	\$210,162.27
Levelized Cost (kW)	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674	\$159,4674
Levelized Cost (kWh)	\$0.0850	\$0.0871	\$0.0850	\$0.0850	\$0.0850	\$0.0834
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
Participant Test						
Net Benefits	-\$2,053.42	-\$5,098.32	-\$2,053.42	-\$2,053.42	-\$2,053.42	\$523.10

Participants	kWh			Summer MW		Winter MW		Generator
	7	190,729	120,741	45,297	24,393	22,530	Meiler	

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

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

Impacts and Savings (Losses Included)																										
Year	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	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0
3	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
4	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
5	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
6	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
7	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
8	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
9	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
10	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
11	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
12	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
13	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
14	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	0	0	0	0	0	0	0	0
15	3.885	3.885	6.471	6.471	3.485	3.485	18,675.54	18,675.54	27	27	45	45	24	24	130,729	130,729	0	0	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
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
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
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
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
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
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
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
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
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
Totals	280.133	280.133					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 DSMore 2016 Aggregation Results - 2019 - Sect=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 Invest	\$/kWh	\$/kWh Invest	\$/CCF	\$/CCF Invest
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	Total	
1	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00	\$0.00	\$0.00
2	\$6,904.51	\$0.00	\$3,260.59	\$0.00	\$10,165.10	\$0.00	\$0.00	\$0.00	\$0.00
3	\$7,136.18	\$0.00	\$3,246.30	\$0.00	\$10,386.48	\$0.00	\$0.00	\$0.00	\$0.00
4	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00	\$0.00	\$0.00
5	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00	\$0.00	\$0.00
6	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00	\$0.00	\$0.00
7	\$8,179.88	\$0.00	\$3,099.63	\$0.00	\$11,279.51	\$0.00	\$0.00	\$0.00	\$0.00
8	\$8,260.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00	\$0.00	\$0.00
9	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00	\$0.00	\$0.00
10	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00	\$0.00	\$0.00
11	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00	\$0.00	\$0.00
12	\$9,091.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00	\$0.00	\$0.00
13	\$9,353.50	\$0.00	\$2,932.16	\$0.00	\$12,285.66	\$0.00	\$0.00	\$0.00	\$0.00
14	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00	\$0.00	\$0.00
15	\$9,923.13	\$0.00	\$2,944.59	\$0.00	\$12,867.72	\$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	\$124,366.52	\$0.00	\$46,195.97	\$0.00	\$170,562.48	\$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	\$6,812.55	\$0.00	\$3,282.30	\$0.00	\$10,094.84	\$0.00	\$0.00	\$0.00	\$0.00
2	\$6,904.51	\$0.00	\$3,260.59	\$0.00	\$10,165.10	\$0.00	\$0.00	\$0.00	\$0.00
3	\$7,136.18	\$0.00	\$3,246.30	\$0.00	\$10,386.48	\$0.00	\$0.00	\$0.00	\$0.00
4	\$7,495.46	\$0.00	\$3,209.86	\$0.00	\$10,705.33	\$0.00	\$0.00	\$0.00	\$0.00
5	\$7,780.39	\$0.00	\$3,171.67	\$0.00	\$10,952.05	\$0.00	\$0.00	\$0.00	\$0.00
6	\$7,980.89	\$0.00	\$3,135.07	\$0.00	\$11,115.96	\$0.00	\$0.00	\$0.00	\$0.00
7	\$8,179.88	\$0.00	\$3,099.63	\$0.00	\$11,279.51	\$0.00	\$0.00	\$0.00	\$0.00
8	\$8,260.74	\$0.00	\$3,063.98	\$0.00	\$11,314.72	\$0.00	\$0.00	\$0.00	\$0.00
9	\$8,455.76	\$0.00	\$3,029.04	\$0.00	\$11,484.80	\$0.00	\$0.00	\$0.00	\$0.00
10	\$8,559.78	\$0.00	\$2,994.35	\$0.00	\$11,554.13	\$0.00	\$0.00	\$0.00	\$0.00
11	\$8,816.57	\$0.00	\$2,959.93	\$0.00	\$11,776.50	\$0.00	\$0.00	\$0.00	\$0.00
12	\$9,091.07	\$0.00	\$2,926.22	\$0.00	\$12,007.29	\$0.00	\$0.00	\$0.00	\$0.00
13	\$9,353.50	\$0.00	\$2,932.16	\$0.00	\$12,285.66	\$0.00	\$0.00	\$0.00	\$0.00
14	\$9,634.11	\$0.00	\$2,938.28	\$0.00	\$12,572.39	\$0.00	\$0.00	\$0.00	\$0.00
15	\$9,923.13	\$0.00	\$2,944.59	\$0.00	\$12,867.72	\$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	\$4,885.27	\$2,400.51	\$3,282.30	\$0.00	\$10,568.07	\$0.00	\$0.00	\$0.00	\$0.00
2	\$4,951.21	\$2,485.86	\$3,260.59	\$0.00	\$10,697.46	\$0.00	\$0.00	\$0.00	\$0.00
3	\$5,115.78	\$2,500.39	\$3,246.30	\$0.00	\$10,867.46	\$0.00	\$0.00	\$0.00	\$0.00
4	\$5,374.99	\$7,062.62	\$3,209.86	\$0.00	\$15,647.47	\$0.00	\$0.00	\$0.00	\$0.00
5	\$5,579.30	\$7,062.62	\$3,171.67	\$0.00	\$15,813.59	\$0.00	\$0.00	\$0.00	\$0.00
6	\$5,723.08	\$7,062.62	\$3,135.07	\$0.00	\$15,920.78	\$0.00	\$0.00	\$0.00	\$0.00
7	\$5,865.78	\$7,062.62	\$3,099.63	\$0.00	\$16,028.03	\$0.00	\$0.00	\$0.00	\$0.00
8	\$5,916.59	\$7,062.62	\$3,063.98	\$0.00	\$16,043.19	\$0.00	\$0.00	\$0.00	\$0.00
9	\$6,063.61	\$7,062.62	\$3,029.04	\$0.00	\$16,155.27	\$0.00	\$0.00	\$0.00	\$0.00
10	\$6,136.21	\$7,062.62	\$2,994.35	\$0.00	\$16,195.18	\$0.00	\$0.00	\$0.00	\$0.00
11	\$6,322.35	\$7,062.62	\$2,959.93	\$0.00	\$16,344.90	\$0.00	\$0.00	\$0.00	\$0.00
12	\$6,512.02	\$7,062.62	\$2,926.22	\$0.00	\$16,500.86	\$0.00	\$0.00	\$0.00	\$0.00
13	\$6,707.38	\$7,062.62	\$2,932.16	\$0.00	\$16,702.17	\$0.00	\$0.00	\$0.00	\$0.00
14	\$6,908.61	\$7,062.62	\$2,938.28	\$0.00	\$16,909.51	\$0.00	\$0.00	\$0.00	\$0.00
15	\$7,115.86	\$7,062.62	\$2,944.59	\$0.00	\$17,123.08	\$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	\$89,183.06	\$92,138.01	\$46,195.97	\$0.00	\$227,517.04	\$227,517.04	\$0.00	\$0.00	\$0.00

08 DSMre 2016 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	4.585053735	3.087152895	4.752681747	4.943887905	4.45004477	12.82094566
RM Test	0.789027941	0.547803423	0.825702962	0.858978982	0.773324073	2.187848401
RM (Net Fuel)	1.080315047	0.753999937	1.138001314	1.184548264	1.068654527	3.023260956
Societal Test	4.793478211	3.227909606	4.97237715	5.173051796	4.655694654	13.42517033
Participant Test	4.757208222	4.664489661	4.757208222	4.757208222	4.757208222	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
\$835,327.46	\$182,184.88	\$653,142.58	4.59	TRC Test
\$592,122.47	\$750,445.50	(\$158,323.03)	0.79	RM Test
\$592,122.47	\$544,072.66	\$48,049.80	1.09	RM (Net Fuel) Test
\$873,299.25	\$182,184.98	\$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 Amrears	\$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	\$503,857.70	\$449,382.88	\$752,816.40	\$787,651.93	\$697,681.18	\$2,222,732.75
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$218,420.07	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$113,049.70	\$113,049.70	\$113,049.70	\$113,049.70	\$113,049.70	\$113,049.70
Avoided Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$835,327.46	\$562,432.58	\$865,866.10	\$900,701.82	\$810,730.87	\$2,335,782.45
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 Amrears	\$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	4.59	3.09	4.75	4.94	4.45	12.82
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 Amrears	\$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 Amrears	\$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	\$653,142.58	\$380,247.70	\$683,681.22	\$718,516.74	\$628,545.99	\$2,153,597.57
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

Present Values (PVs) of Impacts	Cost Based		Market-Based			
	Minimum	Today	Alternate	Option	Maximum	
kWh (Discounted)	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120	4005.4120
kWh (Discounted)	15200081.5625	14813656.1317	15200081.5625	1520008		

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net Free/ Drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	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						Yearly Incremental (Per Participant * Incremental Participants)			
	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)	kWh	kWh (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	1,013.339	1,013.339	0	0	0	0	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	1,013.339	1,013.339	0	0	0	0	0	0
3	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
4	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
5	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
6	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
7	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
8	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
9	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
10	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
11	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
12	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
13	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
14	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	0	0	0	0	0	0
15	3,890	3,890	3,034	3,034	3,034	3,034	23,030.43	23,030.43	171	171	134	134	1,013.339	1,013.339	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
17	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0	0	0	0	0	0	0	0	0	0
Totals	345,456	345,456	345,456	345,456	345,456	345,456	345,456	345,456	345,456	345,456	345,456	345,456	15,200.082	15,200.082	0	0	0	0	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 DSMre 2016 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	Gas Distribution	Gas Commodity	Total	Total
1	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$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	\$0.00
3	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$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	\$0.00
5	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$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	\$0.00
7	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$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	\$0.00
9	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$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	\$0.00
11	\$61,048.94	\$0.00	\$8,724.47	\$0.00	\$69,773.41	\$0.00	\$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	\$0.00
13	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$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	\$0.00
15	\$68,711.12	\$0.00	\$8,679.26	\$0.00	\$77,390.39	\$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	\$861,155.84	\$0.00	\$136,163.96	\$0.00	\$997,319.80	\$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	Total
1	\$47,172.39	\$0.00	\$9,674.67	\$0.00	\$56,847.05	\$0.00	\$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	\$0.00
3	\$49,427.14	\$0.00	\$9,574.46	\$0.00	\$59,001.61	\$0.00	\$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	\$0.00
5	\$53,874.02	\$0.00	\$9,348.58	\$0.00	\$63,222.60	\$0.00	\$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	\$0.00
7	\$56,640.27	\$0.00	\$9,136.25	\$0.00	\$65,776.52	\$0.00	\$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	\$0.00
9	\$58,550.55	\$0.00	\$8,928.18	\$0.00	\$67,478.73	\$0.00	\$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	\$0.00
11	\$61,048.94	\$0.00	\$8,724.47	\$0.00	\$69,773.41	\$0.00	\$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	\$0.00
13	\$64,766.82	\$0.00	\$8,642.63	\$0.00	\$73,409.45	\$0.00	\$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	\$0.00
15	\$68,711.12	\$0.00	\$8,679.26	\$0.00	\$77,390.39	\$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	Total
1	\$34,067.38	\$7,075.56	\$9,674.67	\$0.00	\$50,817.61	\$0.00	\$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	\$0.00
3	\$35,695.74	\$7,369.96	\$9,574.46	\$0.00	\$52,640.16	\$0.00	\$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	\$0.00
5	\$38,907.23	\$20,817.28	\$9,348.58	\$0.00	\$69,073.10	\$0.00	\$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	\$0.00
7	\$40,904.98	\$20,817.28	\$9,136.25	\$0.00	\$70,855.51	\$0.00	\$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	\$0.00
9	\$42,284.57	\$20,817.28	\$8,928.18	\$0.00	\$72,030.03	\$0.00	\$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	\$0.00
11	\$44,086.86	\$20,817.28	\$8,724.47	\$0.00	\$73,630.63	\$0.00	\$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	\$0.00
13	\$46,773.89	\$20,817.28	\$8,642.63	\$0.00	\$76,233.80	\$0.00	\$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	\$0.00
15	\$49,622.42	\$20,817.28	\$8,679.26	\$0.00	\$79,118.97	\$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	\$621,917.31	\$271,579.49	\$136,163.96	\$0.00	\$1,029,660.77	\$1,029,660.77	\$0.00	\$0.00	\$0.00

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	16	0	16	0	16	\$356,800.00	\$0.00	\$356,800.00	\$356,800.00	\$0.00	\$356,800.00	
2	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
3	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
4	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
9	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
11	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
14	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15	0	0	16	0	16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	16	0	240	0	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)	
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	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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Totals	6,457	6,457	5,811	5,811	14,267	14,267	694,623	694,623	103	103	93	93	228	228	10,953,976	10,953,976							

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	\$49,066.75
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	\$53,756.08	\$0.00	\$53,756.08
6	\$4,435.31	\$0.00	\$4,435.31	\$70,964.97	\$0.00	\$70,964.97	\$54,458.70	\$0.00	\$54,458.70
7	\$4,479.66	\$0.00	\$4,479.66	\$71,674.62	\$0.00	\$71,674.62	\$55,168.35	\$0.00	\$55,168.35
8	\$4,524.46	\$0.00	\$4,524.46	\$72,391.36	\$0.00	\$72,391.36	\$55,885.09	\$0.00	\$55,885.09
9	\$4,569.70	\$0.00	\$4,569.70	\$73,115.28	\$0.00	\$73,115.28	\$56,609.01	\$0.00	\$56,609.01
10	\$4,615.40	\$0.00	\$4,615.40	\$73,846.43	\$0.00	\$73,846.43	\$57,340.16	\$0.00	\$57,340.16
11	\$4,661.56	\$0.00	\$4,661.56	\$74,584.90	\$0.00	\$74,584.90	\$58,078.63	\$0.00	\$58,078.63
12	\$4,708.17	\$0.00	\$4,708.17	\$75,330.74	\$0.00	\$75,330.74	\$58,824.47	\$0.00	\$58,824.47
13	\$4,755.25	\$0.00	\$4,755.25	\$76,084.05	\$0.00	\$76,084.05	\$59,577.78	\$0.00	\$59,577.78
14	\$4,802.81	\$0.00	\$4,802.81	\$76,844.89	\$0.00	\$76,844.89	\$60,339.62	\$0.00	\$60,339.62
15	\$4,850.83	\$0.00	\$4,850.83	\$77,613.34	\$0.00	\$77,613.34	\$61,107.07	\$0.00	\$61,107.07
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$67,807.90	\$0.00	\$67,807.90	\$1,084,926.47	\$0.00	\$1,084,926.47	\$837,332.42	\$0.00	\$837,332.42

09 DSMore 2016 Aggregation Results - 2019 - Sect=COMM-EEP - Tech=GSHP.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Pass-Through	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

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Cost / Benefit Tests For Normal Weather	Cost Based		Market-Based			
	Based	Minimum	Today		Alternate	
			Option	Maximum	Option	Maximum
Utility (PAC) Test	5.1548826	3.201072057	4.71932302	4.83657674	4.443474	12.07432405
TRC Test	2.507233042	1.537741557	2.277202118	2.362095502	2.142838831	5.859354727
RIM Test	0.867822418	0.548038097	0.794363323	0.823702475	0.747927373	2.004387436
RIM (Net Fuel)	1.148981084	0.724335036	1.052808958	1.091678763	0.991332255	2.862771195
Societal Test	2.593229087	1.58628272	2.348590323	2.436105998	2.210076818	6.041388621
Participant Test	2.297652354	2.257005062	2.297652354	2.297652354	2.297652354	3.31919558

100% Allocation	Cost of Conserved kWh, kW, and CCF		
	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
\$915,486.06	\$365,138.00	\$550,348.06	2.51	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	RIM (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 Based		Market-Based			
	Based	Minimum	Today		Alternate	
			Option	Maximum	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	4.89	4.44	12.07
TRC Test						
Avoided Electric Production	\$448,349.20	\$399,875.71	\$669,880.86	\$700,878.66	\$620,819.72	\$1,977,860.90
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$305,524.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$161,612.17	\$161,612.17	\$161,612.17	\$161,612.17	\$161,612.17	\$161,612.17
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	\$915,486.06	\$561,487.88	\$831,493.03	\$862,490.83	\$782,431.89	\$2,138,473.07
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	2.51	1.54	2.28	2.36	2.14	5.86
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
Societal Test	1.15	0.72	1.05	1.09	0.99	2.66
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/TRC) Test	Cost Based		Market-Based			
	Based	Minimum	Today		Alternate	
			Option	Maximum	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	\$550,348.06	\$196,349.88	\$466,355.03	\$497,352.83	\$417,293.89	\$1,774,335.07
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	(\$4,934.00)	\$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	\$422,160.12	\$435,811.35	\$435,811.35	\$435,811.35	\$447,118.35

Participants	kWh	Summer kWh	Winter kWh	Generator
38	587,826	210,031	210,031	Meter
	884,648	193,985	193,985	

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	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						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	210	5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	210	210	210	210	210	210	957,826	957,826	210	210	0	0	957,826	957,826
2		5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	210	210	210	210	210	210	957,826	957,826	0	0	0	0	0	0
3		5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	210	210	210	210	210	210	957,826	957,826	0	0	0	0	0	0
4		5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	210	210	210	210	210	210	957,826	957,826	0	0	0	0	0	0
5		5,527	5,527	5,527	5,527	5,527	25,205.96	25,205.96	210	210	210	210	210	210	957,826	957,826	0	0	0	0	0	0
6		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
7		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
8		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
9		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
10		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
11		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
12		5,573	5,573	5,573	5,573	5,573	26,489.65	26,489.65	189	189	189	189	189	189	900,648	900,648	0	0	0	0	0	0
13		8,040	8,040	8,040	8,040	8,040	41,323.87	41,323.87	145	145	145	145	145	145	743,830	743,830	0	0	0	0	0	0
14		8,040	8,040	8,040	8,040	8,040	41,323.87	41,323.87	145	145	145	145	145	145	743,830	743,830	0	0	0	0	0	0
15		8,040	8,040	8,040	8,040	8,040	41,323.87	41,323.87	145	145	145	145	145	145	743,830	743,830	0	0	0	0	0	0
16		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
17		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
18		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
19		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
20		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
21		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
22		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
23		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
24		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
25		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
Totals		435,429	435,429	435,429	435,429	435,429	13,325,157	13,325,157	13,325,157	13,325,157	13,325,157	13,325,157	13,325,157	13,325,157	957,826	957,826	0	0	0	0	0	0

Lost Revenue Dollars (Losses Included)										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free-Drop-Out Electric	Net Free-Drop-Out Gas	Net Free-Drop-Out Total	Net Fuel Electric	Net Fuel Gas	Net Fuel Total	Net Free-Drop-Out
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$0.00
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	\$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	\$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	\$0.00

10 DSMore 2016 Aggregation Results - 2019 - Sects=COMM-EET - Tech=LTG.xlsx

Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Benefits	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	Auxiliary	Total	Total
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	\$15,081.86	\$0.00	\$61,781.11	\$0.00
4	\$49,057.89	\$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	\$12,986.33	\$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	\$55,891.85	\$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	Auxiliary	Total	Total
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	\$32,201.12	\$11,130.62	\$15,219.29	\$0.00	\$58,551.02	\$0.00
2	\$32,635.78	\$11,525.48	\$15,118.63	\$0.00	\$59,279.89	\$0.00
3	\$33,740.27	\$11,593.74	\$15,081.86	\$0.00	\$60,395.67	\$0.00
4	\$35,429.07	\$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	\$12,986.33	\$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 DSMore 2016 Aggregation Results - 2019 - Sects=COMMA-E-E-P - Tech=ALL.xlsx

Cost / Benefit Tests For Normal Weather	Cost		Market-Based				
	Based	Alernate				Option	Maximum
		Minimum	Today	Alternate	Option		
Utility (PAC) Test	6.149257386	4.167450096	6.19990662	6.435954119	5.83498466	16.01544566	
TRC Test	2.499420941	1.67631964	2.50190466	2.597844201	2.35373891	6.48982022	
RIM Test	0.783485613	0.541255053	0.789050371	0.820014051	0.743443679	2.009083643	
RIM (Net Fuel)	1.026546455	0.707892944	1.035016775	1.074407115	0.974082306	2.636216132	
Societal Test	2.579541213	1.727547967	2.579553017	2.678467429	2.426656588	6.893040384	
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			Total			Total		
	Cost	kWh	CCF	Cost	kWh	CCF	Cost	kWh	CCF
Total Costs / kW Savings	\$21,2290	\$21,2290	100.00%	\$21,2290	\$21,2290	100.00%	\$21,2290	\$21,2290	100.00%
Total Costs / kWh Savings	\$0.0074	\$0.0074	100.00%	\$0.0074	\$0.0074	100.00%	\$0.0074	\$0.0074	100.00%
Total Costs / CCF Savings	\$0.0000	\$0.0000	100.00%	\$0.0000	\$0.0000	100.00%	\$0.0000	\$0.0000	100.00%
Allocated By Cost-Based Avoided Costs	\$0.0000	\$0.0000		\$0.0000	\$0.0000		\$0.0000	\$0.0000	
Allocated Costs / kW Savings	\$8.9078	\$8.9078	32.54%	\$8.9078	\$8.9078	32.54%	\$8.9078	\$8.9078	32.54%
Allocated Costs / kWh Savings	\$0.0050	\$0.0050	67.46%	\$0.0050	\$0.0050	67.46%	\$0.0050	\$0.0050	67.46%
Allocated Costs / CCF Savings	\$0.0000	\$0.0000	0.00%	\$0.0000	\$0.0000	0.00%	\$0.0000	\$0.0000	0.00%

Present Values (PVs) of Costs and Benefits Per Test	Cost		Market-Based				
	Based	Alernate				Option	Maximum
		Minimum	Today	Alternate	Option		
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 Aarnents	\$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	\$1,608,235.01	\$1,437,680.97	\$2,408,243.52	\$2,520,931.14	\$2,233,985.89	\$7,094,955.40	
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric Capacity	\$796,999.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided T&D Electric	\$532,829.21	\$532,829.21	\$532,829.21	\$532,829.21	\$532,829.21	\$532,829.21	
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	\$2,938,064.02	\$1,970,510.18	\$2,941,072.73	\$3,053,760.35	\$2,766,815.10	\$7,627,784.61	
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 Aarnents	\$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	2.50	1.68	2.50	2.60	2.35	6.49	
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 Aarnents	\$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	
1.03	0.71	1.04	1.07	1.07	0.97	2.64	
Societal Test							
Avoided Electric Production	\$1,659,648.77	\$1,483,645.36	\$2,485,175.49	\$2,601,449.17	\$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 Aarnents	\$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	6.69	
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/TRC) Test	Cost		Market-Based				
	Based	Alernate				Option	Maximum
		Minimum	Today	Alternate	Option		
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	\$0.0075	\$0.0074	\$0.0074	\$0.0074	\$0.0072	
Levelized Cost (CCF)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
TRC Test							
Net Benefits	\$1,762,566.14	\$795,012.30	\$1,765,574.85	\$1,878,262.47	\$1,591,317.22	\$6,452,286.73	
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	#####	\$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	\$1,640,			

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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free/ drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
	1	130	0	130	0	130	130	\$1,094,480.88	\$0.00	\$1,094,480.88	\$1,094,480.88	\$0.00
2	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	130	0	130	130	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	126	0	126	126	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	110	0	110	110	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	0	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	130	0	0	0	0	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	130	0	1,862	0	1,862	1,862	\$1,094,491	\$0	\$1,094,491	\$1,094,491	\$0	\$1,094,491

Impacts and Savings (Losses Included)																
Year	Per Participant								Cumulative				Yearly Incremental (Per Participant * Incremental Participants)			
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
	1	4.373	4.373	3.903	3.903	4.586	4.586	24,025.16	24,025.16	569	569	507	507	596	596	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 Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total
	1	\$1,846.03	\$0.00	\$1,846.03	\$239,983.99	\$0.00	\$239,983.99	\$169,388.31	\$0.00
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	\$2,405.66	\$0.00	\$2,405.66	\$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

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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	\$42,082.51	\$0.00	\$223,030.77	\$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	\$126,009.16	\$75,908.06	\$43,058.93	\$0.00	\$244,976.15	\$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	\$42,082.51	\$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

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Cost / Benefit Tests For Normal Weather	Cost Based	Market-Based				
		Minimum		Today		Maximum
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test	5,826,625,931	3,969,431,909	5,968,953,741	6,193,863,755	5,622,953	15,629,373,361
TRC Test	2,534,517,599	1,712,793,393	2,592,641,28	2,691,632,911	2,440,935,21	6,844,459,117
RIM Test	0,745,427,634	0,511,776,168	0,763,585,128	0,702,410,095	0,719,937,193	1,968,100,895
RM (Net Fuel)	0,369,527,046	0,055,449,964	0,392,899,976	1,020,036,63	0,325,896,627	2,536,448,313
Societal Test	2,607,946,939	1,760,240,37	2,665,783,6	2,767,427,79	2,509,625,66	7,041,509,903
Participant Test	3,021,713,343	2,960,002,444	3,021,713,343	3,021,713,343	3,021,713,343	3,073,292,123

Cost of Conserved kWh, kW, and CCF	100% Allocation	Nominal			% Allocation		
		Total Costs / kWh Savings	Total Cost / kWh Savings	Total Costs / CCF Savings	100.00%	100.00%	100.00%
		\$22,863,6	\$0,0077	\$0,0000	\$22,863,6	\$0,0077	\$0,0000
Allocated By Cost-Based Avoided Costs		\$7,1292	\$7,1292	\$1,189			
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	\$444,750.00	\$2,146,641.88	5.83	Utility (PAC) Test	
\$3,704,445.54	\$1,461,597.88	\$2,242,847.66	2.53	TRC Test	
\$2,591,391.88	\$3,476,382.80	(\$884,991.02)	0.75	RIM Test	
\$2,591,391.88	\$2,700,697.07	(\$109,305.19)	0.96	RM (Net Fuel) Test	
\$3,811,769.72	\$1,461,597.88	\$2,350,171.84	2.61	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	Cost Based	Market-Based				
		Minimum		Today		Maximum
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC) Test						
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	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00
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	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Total	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.83	3.97	5.97	6.19	5.62	15.63
TRC Test						
Avoided Electric Production	\$2,057,378.19	\$1,794,782.90	\$3,080,766.70	\$3,225,452.66	\$2,859,033.43	\$9,295,214.64
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$938,655.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided T&D Electric	\$708,632.29	\$708,632.29	\$708,632.29	\$708,632.29	\$708,632.29	\$708,632.29
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	\$3,704,445.54	\$2,503,415.19	\$3,789,399.00	\$3,934,084.96	\$3,567,665.73	10,003,846.94
Administration Costs	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00
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
Total	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00
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	2.53	1.71	2.59	2.69	2.44	6.84
RIM Test						
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	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00
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
Total	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00	\$444,750.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Net 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
Net 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 Lost 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 Lost 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	0.75	0.52	0.76	0.79	0.72	1.97
Societal Test	0.96	0.67	0.98	1.02	0.93	2.54
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	\$988,643.75	\$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	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00	\$136,382.00
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
Total	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00	\$147,007.00
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	2.61	1.76	2.67	2.77	2.51	7.04
Participant Test						
Incentives	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00	\$297,743.00
Participant Costs (gross)	\$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
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		Maximum
		Minimum	Today	Alternate	Option	Maximum
Net Benefits	\$2,146,641.88	\$1,320,654.84	\$2,209,764.28	\$2,309,970.91	\$2,056,059.37	\$6,506,413.91
Levelized Cost (kW)	\$22,863,6	\$22,863,6	\$22,863,6	\$22,863,6	\$22,863,6	\$22,863,6
Levelized Cost (kWh)	\$0,0077	\$0,0079	\$0,0077	\$0,0077	\$0,0075	\$0,0075
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
Net Benefits	\$2,242,847.66	\$1,041,817.31	\$2,327,801.12	\$2,472,487.08	\$2,106,067.85	\$8,542,249.06
Levelized Cost (kW)	\$75,1374	\$75,1374	\$75,1374	\$75,1374	\$75,1374	\$75,1374
Levelized Cost (kWh)	\$0,0253	\$0,0259	\$0,0253	\$0,0253	\$0,0253	\$0,0253
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
Net Benefits	(\$884,991.02)	#####	(\$821,868.63)	(\$721,662.00)	(\$975,573.53)	\$3,419,249.50
Net Benefits (Net Fuel)	(\$109,305.19)	#####	(\$46,182.79)	\$54,023.83	(\$199,867.70)	\$4,210,653.15
Net Benefits	\$2,350,171.84	\$1,111,156.46	\$2,434,898.12	\$2,583,582.94	\$2,206,465.96	\$8,830,257.48
Levelized Cost (kW)	\$75,1374	\$75,1374	\$75,1374	\$75,1374	\$75,1374	\$75,1374
Levelized Cost (kWh)	\$0,0253	\$0,0259	\$0,0253	\$0,0253	\$0,0253	\$0,0248
Levelized Cost (CCF)	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000	\$0,0000
Net Benefits	\$2,657,725.92	\$2,576,602.00	\$2,657,725.92	\$2,657,725.92	\$2,657,725.92	\$2,725,530.92

Participants	kWh	Summer kWh
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Participation and Total Participant Costs												
Year	Participation						Total Participant Costs Gross			Total Participant Costs Net Free Riders / Drop-Out		
	New Participants	New Free Riders	Cumulative Participants	Cumulative Free Riders	Cumulative Participants (net free riders)	Cumulative Participants (net free drop-out)	One-Time Investment	Annual Investment	Total Costs	One-Time Investment	Annual Investment	Total Costs
1	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)
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0	0	0	0	0	0	0	0	0	0
Totals	0.435	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

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	\$113.80	\$0.00	\$113.80	\$309,539.78	\$0.00	\$309,539.78	\$223,216.18	\$0.00	\$223,216.18
2	\$192.79	\$0.00	\$192.79	\$319,835.25	\$0.00	\$319,835.25	\$233,974.98	\$0.00	\$233,974.98
3	\$194.72	\$0.00	\$194.72	\$323,033.60	\$0.00	\$323,033.60	\$237,173.33	\$0.00	\$237,173.33
4	\$196.66	\$0.00	\$196.66	\$326,263.94	\$0.00	\$326,263.94	\$240,403.67	\$0.00	\$240,403.67
5	\$198.63	\$0.00	\$198.63	\$329,526.58	\$0.00	\$329,526.58	\$243,666.30	\$0.00	\$243,666.30
6	\$198.09	\$0.00	\$198.09	\$327,833.54	\$0.00	\$327,833.54	\$243,265.67	\$0.00	\$243,265.67
7	\$200.07	\$0.00	\$200.07	\$331,111.87	\$0.00	\$331,111.87	\$246,544.01	\$0.00	\$246,544.01
8	\$202.07	\$0.00	\$202.07	\$334,422.99	\$0.00	\$334,422.99	\$249,855.13	\$0.00	\$249,855.13
9	\$204.09	\$0.00	\$204.09	\$337,767.22	\$0.00	\$337,767.22	\$253,199.36	\$0.00	\$253,199.36
10	\$206.13	\$0.00	\$206.13	\$341,098.53	\$0.00	\$341,098.53	\$256,577.03	\$0.00	\$256,577.03
11	\$208.19	\$0.00	\$208.19	\$344,556.34	\$0.00	\$344,556.34	\$259,888.48	\$0.00	\$259,888.48
12	\$210.27	\$0.00	\$210.27	\$348,001.91	\$0.00	\$348,001.91	\$263,434.04	\$0.00	\$263,434.04
13	\$206.05	\$0.00	\$206.05	\$337,721.32	\$0.00	\$337,721.32	\$256,698.04	\$0.00	\$256,698.04
14	\$208.11	\$0.00	\$208.11	\$341,098.53	\$0.00	\$341,098.53	\$260,075.26	\$0.00	\$260,075.26
15	\$210.19	\$0.00	\$210.19	\$344,509.52	\$0.00	\$344,509.52	\$263,496.24	\$0.00	\$263,496.24
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	\$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

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Utility Program Costs (Losses Included)											
Year	Overall Costs				Total Costs per kW, kWh, and CCF Saved						
	Administration	Implementation	Other	Total	\$/kW	\$/kWh (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)	
1	\$136,382.00	\$10,625.00	\$297,743.00	\$0.00	\$444,750.00	\$251.82	\$251.82	\$0.12	\$0.12	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$136,382.00	\$10,625.00	\$297,743.00	\$0.00	\$444,750.00	\$251.82	\$251.82	\$0.12	\$0.12	\$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	Gas Distribution	Gas Commodity	Total
1	\$187,639.33	\$0.00	\$90,839.78	\$0.00	\$278,479.11	\$0.00	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$3,487,182.95	\$0.00	\$840,122.89	\$0.00	\$4,327,305.84	\$0.00	\$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	Total
1	\$187,639.33	\$0.00	\$90,839.78	\$0.00	\$278,479.11	\$0.00	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1.00	\$44,251.46	\$15,488.01	\$13,054.73	\$2,328.08	\$75,122.28	\$0.00	\$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	Total
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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00