

Appendix D
Program Aggregations

Cost / Benefit Tests For Normal Weather							
	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Utility (PAC/UCT) Test	4.88	0.87	0.92	0.93	0.92	1.24	
TRC Test	4.88	0.87	0.92	0.93	0.92	1.24	
RIM Test	3.87	0.69	0.73	0.74	0.73	0.97	
RIM (Net Fuel)	3.87	0.69	0.73	0.74	0.73	0.97	
Societal Test	4.88	0.87	0.92	0.93	0.92	1.24	
Participant Test	0.00	0.00	0.00	0.00	0.00	0.00	

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$15,900.84	\$3,257.71	\$12,643.13	4.88	Utility (PAC) Test
\$15,900.84	\$3,257.71	\$12,643.13	4.88	TRC Test
\$15,900.84	\$4,113.74	\$11,787.10	3.87	RIM Test
\$15,900.84	\$4,113.74	\$11,787.10	3.87	RIM (Net Fuel) Test
\$15,900.84	\$3,257.71	\$12,643.13	4.88	Societal Test
\$856.03	\$0.00	\$856.03	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test							
Utility (PAC/UCT) Test	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	\$308.20	\$273.25	\$453.99	\$480.23	\$437.07	\$1,476.52	
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric Capacity	\$13,036.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric TRD	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	
Avoided Electric 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	\$15,900.84	\$2,829.28	\$3,010.02	\$3,036.25	\$2,993.09	\$4,032.55	
Administration Costs	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	
Implementation / Participation Costs	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Test Results	4.88	0.87	0.92	0.93	0.92	1.24	

Participants	kWh	Summer kWh		Generator Meter
		138.22	0.00	
667	8,285.73	7,597	126.73	
Loss Factor:				9.06%
Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$2,802.86	\$454.85	\$0.00	\$0.00	\$3,257.71

TRC Test							
TRC Test	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	\$308.20	\$273.25	\$453.99	\$480.23	\$437.07	\$1,476.52	
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric Capacity	\$13,036.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric TRD	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	
Avoided Electric 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	\$15,900.84	\$2,829.28	\$3,010.02	\$3,036.25	\$2,993.09	\$4,032.55	
Administration Costs	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	
Implementation / Participation Costs	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Participant or Unit Costs (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Participant or Unit 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	4.88	0.87	0.92	0.93	0.92	1.24	

RIM Test							
RIM Test	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	\$308.20	\$273.25	\$453.99	\$480.23	\$437.07	\$1,476.52	
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric Capacity	\$13,036.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric TRD	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	
Avoided Electric 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	\$15,900.84	\$2,829.28	\$3,010.02	\$3,036.25	\$2,993.09	\$4,032.55	
Administration Costs	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	
Implementation / Participation Costs	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electric Lost Revenue	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Electric Lost Revenue (Net Fuel)	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Test Results	3.87	0.69	0.73	0.74	0.73	0.97	

Societal Test							
Societal Test	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Avoided Electric Production	\$308.20	\$273.25	\$453.99	\$480.23	\$437.07	\$1,476.52	
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric Capacity	\$13,036.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Avoided Electric TRD	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	\$2,556.03	
Avoided Electric 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	\$15,900.84	\$2,829.28	\$3,010.02	\$3,036.25	\$2,993.09	\$4,032.55	
Administration Costs	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	\$2,802.86	
Implementation / Participation Costs	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	\$454.85	
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	\$3,257.71	
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Participant or Unit 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	4.88	0.87	0.92	0.93	0.92	1.24	

Participant Test							
Participant Test	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Participant or Unit Costs (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Electric Bill Savings (Gross)	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	\$856.03	\$821.91	\$856.03	\$856.03	\$856.03	\$879.26	
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	

Present Values (PVs) of Impacts							
	Cost Based	Market-Based					
		Minimum	Today	Alternate	Option	Maximum	
kWh (Discounted)	138	138	138	138	138	138	
kWh (Discounted)	8,286	7,955	8,286	8,286	8,286	8,511	
CCF (Discounted)	-	-	-	-	-	-	
kWh (Undiscounted)	138	138	138	138	138	138	
kWh (Undiscounted)	8,286	7,955	8,286	8,286	8,286	8,511	
CCF (Undiscounted)	-	-	-	-	-	-	

2023 South Dakota Status Report- Direct Impact- Residential Air Conditioning Control

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	667	0	667	0	667	667	\$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	667	0	667	0	667	667	\$0	\$0	\$0	\$0	\$0	\$0

Impacts and Savings (Losses Included)																
Year	Per Participant						Electric Impacts/Savings						Cumulative			
	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	0.207	0.207	0.207	0.207	0.000	0.000	12.42	12.42	138	138	138	138	0	0	8,286
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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							12	12							8,286	8,286

2023 South Dakota Status Report- Direct Impact- Residential Air Conditioning Control

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel	Net Fuel	Net Fuel
							Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total
1	\$1.28	\$0.00	\$1.28	\$856.03	\$0.00	\$856.03	\$856.03	\$0.00	\$856.03
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	\$1.28	\$0.00	\$1.28	\$856.03	\$0.00	\$856.03	\$856.03	\$0.00	\$856.03

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$2,802.86	\$454.85	\$0.00	\$0.00	\$3,257.71	\$23.57	\$23.57	\$0.39	\$0.39	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,802.86	\$454.85	\$0.00	\$0.00	\$3,257.71	\$23.57	\$23.57	\$0.39	\$0.39	\$0.00	\$0.00

2023 South Dakota Status Report- Direct Impact- Residential Air Conditioning Control

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total	
1	\$453.99	\$0.00	\$2,556.03	\$0.00	\$3,010.02	\$0.00	\$0.00	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$453.99	\$0.00	\$2,556.03	\$0.00	\$3,010.02	\$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				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$437.07	\$0.00	\$2,556.03	\$0.00	\$2,993.09
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$437.07	\$0.00	\$2,556.03	\$0.00	\$2,993.09

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total	
1	\$308.20	\$13,036.61	\$2,556.03	\$0.00	\$15,900.84	\$0.00	\$0.00	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$308.20	\$13,036.61	\$2,556.03	\$0.00	\$15,900.84	\$0.00	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$308.20	\$13,036.61	\$2,556.03	\$0.00	\$15,900.84
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$308.20	\$13,036.61	\$2,556.03	\$0.00	\$15,900.84
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	5.62	4.33	7.06	7.45	6.82	18.75
TRC Test	1.67	1.29	2.10	2.22	2.03	5.57
RIM Test	0.56	0.45	0.71	0.75	0.68	1.85
RIM (Net Fuel) Test	0.56	0.45	0.71	0.75	0.68	1.85
Societal Test	2.30	1.78	2.90	3.07	2.81	7.72
Participant Test	3.85	3.75	3.85	3.85	3.85	3.91

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$544,830.94	\$96,864.42	\$447,966.52	5.62	Utility (PAC) Test
\$544,830.94	\$325,726.42	\$219,104.52	1.67	TRC Test
\$544,830.94	\$96,157.94	(\$421,327.01)	0.56	RIM Test
\$544,830.94	\$96,157.94	(\$421,327.01)	0.56	RIM (Net Fuel) Test
\$749,772.85	\$325,726.42	\$424,046.43	2.30	Societal Test
\$1,248,118.36	\$324,577.43	\$923,540.93	3.85	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$450,488.18	\$398,453.58	\$662,161.57	\$700,574.16	\$639,215.50	\$1,794,611.24
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$73,087.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22
Avoided Electric 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	\$544,830.94	\$419,708.81	\$683,416.79	\$721,829.39	\$660,470.72	\$1,815,866.46
Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.62	4.33	7.06	7.45	6.82	18.75
TRC Test						
Avoided Electric Production	\$450,488.18	\$398,453.58	\$662,161.57	\$700,574.16	\$639,215.50	\$1,794,611.24
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$73,087.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22
Avoided Electric 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	\$544,830.94	\$419,708.81	\$683,416.79	\$721,829.39	\$660,470.72	\$1,815,866.46
Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43
Participant or Unit 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	1.67	1.29	2.10	2.22	2.03	5.57
RIM Test						
Avoided Electric Production	\$450,488.18	\$398,453.58	\$662,161.57	\$700,574.16	\$639,215.50	\$1,794,611.24
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$73,087.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22	\$21,255.22
Avoided Electric 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	\$544,830.94	\$419,708.81	\$683,416.79	\$721,829.39	\$660,470.72	\$1,815,866.46
Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$869,293.52	\$845,109.91	\$869,293.52	\$869,293.52	\$869,293.52	\$884,160.34
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$869,293.52	\$845,109.91	\$869,293.52	\$869,293.52	\$869,293.52	\$884,160.34
Electric Lost Revenue (Net Fuel)	\$869,293.52	\$845,109.91	\$869,293.52	\$869,293.52	\$869,293.52	\$884,160.34
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$869,293.52	\$845,109.91	\$869,293.52	\$869,293.52	\$869,293.52	\$884,160.34
Test Results	0.56	0.45	0.71	0.75	0.68	1.85
Test Results	0.56	0.45	0.71	0.75	0.68	1.85
Societal Test						
Avoided Electric Production	\$623,709.90	\$551,666.96	\$916,775.94	\$969,958.95	\$885,006.65	\$2,484,675.16
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$96,859.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$29,203.66	\$29,203.66	\$29,203.66	\$29,203.66	\$29,203.66	\$29,203.66
Avoided Electric 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	\$749,772.85	\$580,870.62	\$945,979.59	\$999,162.60	\$914,210.31	\$2,513,878.82
Administration Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Implementation / Participation Costs	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99	\$1,148.99
Participant or Unit Costs (Net)	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43
Participant or Unit 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	2.30	1.78	2.90	3.07	2.81	7.72
Participant Test						
Incentives	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43	\$95,715.43
Participant or Unit Costs (Gross)	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43	\$324,577.43
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$1,152,402.93	\$1,120,343.26	\$1,152,402.93	\$1,152,402.93	\$1,152,402.93	\$1,172,111.53
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,152,402.93	\$1,120,343.26	\$1,152,402.93	\$1,152,402.93	\$1,152,402.93	\$1,172,111.53
Test Results	3.85	3.75	3.85	3.85	3.85	3.91

Participants	kWh	Summer kW	Winter kW	
50	856,660	72.04	20.44	Generator
	785,465	66.05	18.74	Meter
Loss Factor:				9.06%
Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$0.00	\$1,148.99	\$0.00	\$95,715.43	\$96,864.42

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	1,719	1,719	1,719	1,719	1,719	1,719
kWh (Discounted)	15,602,517	15,176,270	15,602,517	15,602,517	15,602,517	15,868,657
CCF (Discounted)	1,719	1,719	1,719	1,719	1,719	1,719
kWh (Undiscounted)	15,602,517	15,176,270	15,602,517	15,602,517	15,602,517	15,868,657
CCF (Undiscounted)	-	-	-	-	-	-

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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	50	0	50	0	50	50	\$324,577.43	\$0.00	\$324,577.43	\$324,577.43	\$0.00
2	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	3	0	3	3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	3	0	3	3	\$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	50	0	906	0	906	906	\$324,577	\$0	\$324,577	\$324,577	\$0	\$324,577

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)	kWh	kWh (net)	Summer Coin kWh	Summer Coin (net)	Winter Coin kWh	Winter Coin (net)	kWh	kWh (net)
1	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
2	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
3	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
4	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
5	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
6	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
7	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
8	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
9	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
10	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
11	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
12	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
13	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
14	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
15	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
16	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
17	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
18	1.601	1.601	1.441	1.441	0.409	0.409	17,133.19	17,133.19	80	80	72	72	20	20	856,660	856,660
19	2,543	2,543	2,289	2,289	6,812	6,812	30,440.94	30,440.94	8	8	7	7	20	20	91,323	91,323
20	2,543	2,543	2,289	2,289	6,812	6,812	30,440.94	30,440.94	8	8	7	7	20	20	91,323	91,323
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							369,279	369,279							15,602,517	15,602,517

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Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Net Free/Drop-Out Electric	Net Fuel Net Free/Drop-Out Gas	Net Fuel Net Free/Drop-Out Total
1	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
2	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
3	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
4	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
5	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
6	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
7	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
8	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
9	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
10	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
11	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
12	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
13	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
14	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
15	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
16	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
17	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
18	\$1,615.38	\$0.00	\$1,615.38	\$80,768.86	\$0.00	\$80,768.86	\$80,768.86	\$0.00	\$80,768.86
19	\$2,870.08	\$0.00	\$2,870.08	\$8,610.23	\$0.00	\$8,610.23	\$8,610.23	\$0.00	\$8,610.23
20	\$2,870.08	\$0.00	\$2,870.08	\$8,610.23	\$0.00	\$8,610.23	\$8,610.23	\$0.00	\$8,610.23
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$34,816.95	\$0.00	\$34,816.95	\$1,471,059.96	\$0.00	\$1,471,059.96	\$1,471,059.96	\$0.00	\$1,471,059.96

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$0.00	\$1,148.99	\$95,715.43	\$0.00	\$96,864.42	\$1,047.45	\$1,047.45	\$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	\$0.00	\$1,148.99	\$95,715.43	\$0.00	\$96,864.42	\$1,047.45	\$1,047.45	\$0.11	\$0.11	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact - Residential Heat Pumps

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$44,934.57	\$0.00	\$1,583.19	\$0.00	\$46,517.76	\$0.00	\$0.00	\$0.00
2	\$46,475.35	\$0.00	\$1,630.69	\$0.00	\$48,106.04	\$0.00	\$0.00	\$0.00
3	\$49,868.04	\$0.00	\$1,679.61	\$0.00	\$51,547.65	\$0.00	\$0.00	\$0.00
4	\$50,875.47	\$0.00	\$1,730.00	\$0.00	\$52,605.47	\$0.00	\$0.00	\$0.00
5	\$51,986.61	\$0.00	\$1,781.90	\$0.00	\$53,768.51	\$0.00	\$0.00	\$0.00
6	\$54,549.65	\$0.00	\$1,835.36	\$0.00	\$56,385.00	\$0.00	\$0.00	\$0.00
7	\$57,853.44	\$0.00	\$1,890.42	\$0.00	\$59,743.86	\$0.00	\$0.00	\$0.00
8	\$61,898.00	\$0.00	\$1,947.13	\$0.00	\$63,845.13	\$0.00	\$0.00	\$0.00
9	\$65,586.99	\$0.00	\$2,005.54	\$0.00	\$67,592.53	\$0.00	\$0.00	\$0.00
10	\$69,527.84	\$0.00	\$2,065.71	\$0.00	\$71,593.55	\$0.00	\$0.00	\$0.00
11	\$71,613.67	\$0.00	\$2,127.68	\$0.00	\$73,741.35	\$0.00	\$0.00	\$0.00
12	\$73,762.08	\$0.00	\$2,191.51	\$0.00	\$75,953.59	\$0.00	\$0.00	\$0.00
13	\$75,974.94	\$0.00	\$2,257.26	\$0.00	\$78,232.20	\$0.00	\$0.00	\$0.00
14	\$78,254.19	\$0.00	\$2,324.97	\$0.00	\$80,579.17	\$0.00	\$0.00	\$0.00
15	\$80,601.82	\$0.00	\$2,394.72	\$0.00	\$82,996.54	\$0.00	\$0.00	\$0.00
16	\$83,019.87	\$0.00	\$2,466.56	\$0.00	\$85,486.44	\$0.00	\$0.00	\$0.00
17	\$85,510.47	\$0.00	\$2,540.56	\$0.00	\$88,051.03	\$0.00	\$0.00	\$0.00
18	\$88,075.78	\$0.00	\$2,616.78	\$0.00	\$90,692.56	\$0.00	\$0.00	\$0.00
19	\$9,670.85	\$0.00	\$643.40	\$0.00	\$10,314.25	\$0.00	\$0.00	\$0.00
20	\$9,960.98	\$0.00	\$662.70	\$0.00	\$10,623.68	\$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	\$1,210,000.62	\$0.00	\$38,375.69	\$0.00	\$1,248,376.31	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$43,377.44	\$0.00	\$1,583.19	\$0.00	\$44,960.63
2	\$44,864.83	\$0.00	\$1,630.69	\$0.00	\$46,495.52
3	\$48,139.95	\$0.00	\$1,679.61	\$0.00	\$49,819.56
4	\$49,112.47	\$0.00	\$1,730.00	\$0.00	\$50,842.47
5	\$50,185.11	\$0.00	\$1,781.90	\$0.00	\$51,967.01
6	\$52,659.32	\$0.00	\$1,835.36	\$0.00	\$54,494.68
7	\$55,848.63	\$0.00	\$1,890.42	\$0.00	\$57,739.05
8	\$59,753.03	\$0.00	\$1,947.13	\$0.00	\$61,700.16
9	\$63,314.18	\$0.00	\$2,005.54	\$0.00	\$65,319.73
10	\$67,118.47	\$0.00	\$2,065.71	\$0.00	\$69,184.18
11	\$69,132.02	\$0.00	\$2,127.68	\$0.00	\$71,259.70
12	\$71,205.98	\$0.00	\$2,191.51	\$0.00	\$73,397.50
13	\$73,342.16	\$0.00	\$2,257.26	\$0.00	\$75,599.42
14	\$75,542.43	\$0.00	\$2,324.97	\$0.00	\$77,867.40
15	\$77,808.70	\$0.00	\$2,394.72	\$0.00	\$80,203.42
16	\$80,142.96	\$0.00	\$2,466.56	\$0.00	\$82,609.53
17	\$82,547.25	\$0.00	\$2,540.56	\$0.00	\$85,087.81
18	\$85,023.67	\$0.00	\$2,616.78	\$0.00	\$87,640.45
19	\$9,335.73	\$0.00	\$643.40	\$0.00	\$9,979.12
20	\$9,615.80	\$0.00	\$662.70	\$0.00	\$10,278.50
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,168,070.14	\$0.00	\$38,375.69	\$0.00	\$1,206,445.83

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$30,570.32	\$6,794.82	\$1,583.19	\$0.00	\$38,948.33	\$0.00	\$0.00	\$0.00
2	\$31,618.56	\$6,794.82	\$1,630.69	\$0.00	\$40,044.07	\$0.00	\$0.00	\$0.00
3	\$33,926.71	\$6,794.82	\$1,679.61	\$0.00	\$42,401.14	\$0.00	\$0.00	\$0.00
4	\$34,612.10	\$6,794.82	\$1,730.00	\$0.00	\$43,136.91	\$0.00	\$0.00	\$0.00
5	\$35,368.04	\$6,794.82	\$1,781.90	\$0.00	\$43,944.76	\$0.00	\$0.00	\$0.00
6	\$37,111.75	\$6,794.82	\$1,835.36	\$0.00	\$45,741.92	\$0.00	\$0.00	\$0.00
7	\$39,359.42	\$6,794.82	\$1,890.42	\$0.00	\$48,044.65	\$0.00	\$0.00	\$0.00
8	\$42,111.05	\$6,794.82	\$1,947.13	\$0.00	\$50,852.99	\$0.00	\$0.00	\$0.00
9	\$44,620.78	\$6,794.82	\$2,005.54	\$0.00	\$53,421.14	\$0.00	\$0.00	\$0.00
10	\$47,301.85	\$6,794.82	\$2,065.71	\$0.00	\$56,162.38	\$0.00	\$0.00	\$0.00
11	\$48,720.91	\$6,794.82	\$2,127.68	\$0.00	\$57,643.41	\$0.00	\$0.00	\$0.00
12	\$50,182.54	\$6,794.82	\$2,191.51	\$0.00	\$59,168.87	\$0.00	\$0.00	\$0.00
13	\$51,688.01	\$6,794.82	\$2,257.26	\$0.00	\$60,740.09	\$0.00	\$0.00	\$0.00
14	\$53,238.65	\$6,794.82	\$2,324.97	\$0.00	\$62,358.44	\$0.00	\$0.00	\$0.00
15	\$54,835.81	\$6,794.82	\$2,394.72	\$0.00	\$64,025.35	\$0.00	\$0.00	\$0.00
16	\$56,480.89	\$6,794.82	\$2,466.56	\$0.00	\$65,742.27	\$0.00	\$0.00	\$0.00
17	\$58,175.31	\$6,794.82	\$2,540.56	\$0.00	\$67,510.69	\$0.00	\$0.00	\$0.00
18	\$59,920.57	\$6,794.82	\$2,616.78	\$0.00	\$69,332.17	\$0.00	\$0.00	\$0.00
19	\$6,579.37	\$647.56	\$643.40	\$0.00	\$7,870.32	\$0.00	\$0.00	\$0.00
20	\$6,776.75	\$647.56	\$662.70	\$0.00	\$8,087.00	\$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	\$823,199.37	\$123,601.85	\$38,375.69	\$0.00	\$985,176.90	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$30,570.32	\$6,794.82	\$1,583.19	\$0.00	\$38,948.33
2	\$29,525.22	\$6,344.96	\$1,522.73	\$0.00	\$37,392.91
3	\$29,583.11	\$5,924.89	\$1,464.57	\$0.00	\$36,972.57
4	\$28,182.61	\$5,532.62	\$1,408.64	\$0.00	\$35,123.87
5	\$26,891.52	\$5,166.33	\$1,354.84	\$0.00	\$33,412.68
6	\$26,349.16	\$4,824.29	\$1,303.09	\$0.00	\$32,476.54
7	\$26,094.87	\$4,504.89	\$1,253.33	\$0.00	\$31,853.09
8	\$26,070.75	\$4,206.64	\$1,205.46	\$0.00	\$31,482.85
9	\$25,795.61	\$3,928.14	\$1,159.42	\$0.00	\$30,883.16
10	\$25,535.12	\$3,668.07	\$1,115.14	\$0.00	\$30,318.33
11	\$24,559.88	\$3,425.22	\$1,072.55	\$0.00	\$29,057.65
12	\$23,621.88	\$3,198.45	\$1,031.59	\$0.00	\$27,851.92
13	\$22,719.71	\$2,986.69	\$992.19	\$0.00	\$26,698.59
14	\$21,852.00	\$2,788.96	\$954.29	\$0.00	\$25,595.25
15	\$21,017.42	\$2,604.31	\$917.85	\$0.00	\$24,539.58
16	\$20,214.72	\$2,431.89	\$882.79	\$0.00	\$23,529.40
17	\$19,442.68	\$2,270.89	\$849.08	\$0.00	\$22,562.64
18	\$18,700.12	\$2,120.54	\$816.65	\$0.00	\$21,637.31
19	\$1,917.36	\$188.71	\$187.50	\$0.00	\$2,293.57
20	\$1,844.13	\$176.22	\$180.34	\$0.00	\$2,200.69
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$450,488.18	\$73,087.53	\$21,255.22	\$0.00	\$544,830.94
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	5.56	4.18	6.81	7.19	6.58	18.11
TRC Test	1.62	1.22	1.99	2.10	1.92	5.28
RIM Test	0.56	0.43	0.69	0.73	0.67	1.81
RIM (Net Fuel)	0.56	0.43	0.69	0.73	0.67	1.81
Societal Test	2.17	1.64	2.68	2.83	2.59	7.13
Participant Test	4.02	3.91	4.02	4.02	4.02	4.09

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$158,546.09	\$28,533.07	\$130,013.02	5.56	Utility (PAC) Test
\$158,546.09	\$97,797.07	\$60,749.02	1.62	TRC Test
\$158,546.09	\$281,272.34	(\$122,726.25)	0.56	RIM Test
\$212,269.37	\$97,797.07	\$114,472.30	2.17	Societal Test
\$344,327.76	\$85,640.49	\$258,687.27	4.02	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
Utility (PAC/UCT) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$128,236.35	\$113,424.13	\$188,491.47	\$199,426.03	\$181,959.62	\$510,855.55
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$24,508.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84
Avoided Electric 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	\$158,546.09	\$119,224.98	\$194,292.31	\$205,226.88	\$187,760.47	\$516,656.39
Administration Costs	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18
Implementation / Participation Costs	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49
Total	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.56	4.18	6.81	7.19	6.58	18.11

Participants	kWh	Summer kW	Winter kW	Generator	Meter
5,651	263,248	26.04	26.04		
	241,370	23.87	23.87		

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$10,773.18	\$1,383.40	\$0.00	\$16,376.49	\$28,533.07

TRC Test						
TRC Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$128,236.35	\$113,424.13	\$188,491.47	\$199,426.03	\$181,959.62	\$510,855.55
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$24,508.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84
Avoided Electric 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	\$158,546.09	\$119,224.98	\$194,292.31	\$205,226.88	\$187,760.47	\$516,656.39
Administration Costs	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18
Implementation / Participation Costs	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49
Total	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49
Participant or Unit 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	1.62	1.22	1.99	2.10	1.92	5.28

RIM Test						
RIM Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$128,236.35	\$113,424.13	\$188,491.47	\$199,426.03	\$181,959.62	\$510,855.55
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$24,508.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84	\$5,800.84
Avoided Electric 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	\$158,546.09	\$119,224.98	\$194,292.31	\$205,226.88	\$187,760.47	\$516,656.39
Administration Costs	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18
Implementation / Participation Costs	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49
Total	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07	\$28,533.07
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49
Participant or Unit Tax Credits (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.56	0.43	0.69	0.73	0.67	1.81
Electric Lost Revenue	\$252,739.27	\$245,708.11	\$252,739.27	\$252,739.27	\$252,739.27	\$257,061.67
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$252,739.27	\$245,708.11	\$252,739.27	\$252,739.27	\$252,739.27	\$257,061.67
Electric Lost Revenue (Net Fuel)	\$252,739.27	\$245,708.11	\$252,739.27	\$252,739.27	\$252,739.27	\$257,061.67
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$252,739.27	\$245,708.11	\$252,739.27	\$252,739.27	\$252,739.27	\$257,061.67

Societal Test						
Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$173,135.09	\$153,136.75	\$254,487.04	\$269,250.07	\$245,668.23	\$689,718.83
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$31,490.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$7,643.86	\$7,643.86	\$7,643.86	\$7,643.86	\$7,643.86	\$7,643.86
Avoided Electric 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	\$212,269.37	\$160,780.62	\$262,130.90	\$276,893.93	\$253,312.10	\$697,362.69
Administration Costs	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18	\$10,773.18
Implementation / Participation Costs	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40	\$1,383.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$12,156.58	\$12,156.58	\$12,156.58	\$12,156.58	\$12,156.58	\$12,156.58
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49
Participant or Unit 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	2.17	1.64	2.68	2.83	2.59	7.13

Participant Test						
Participant Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Incentives	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49	\$16,376.49
Participant or Unit Costs (Gross)	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49	\$85,640.49
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$327,951.27	\$318,827.72	\$327,951.27	\$327,951.27	\$327,951.27	\$333,559.95
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$327,951.27	\$318,827.72	\$327,951.27	\$327,951.27	\$327,951.27	\$333,559.95
Test Results	4.02	3.91	4.02	4.02	4.02	4.09

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	828	828	828	828	828	828
kWh (Discounted)	4,355,451	4,236,465	4,355,451	4,355,451	4,355,451	4,429,745
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	828	828	828	828	828	828
kWh (Undiscounted)	4,355,451	4,236,465	4,355,451	4,355,451	4,355,451	4,429,745
CCF (Undiscounted)	-	-	-	-	-	-

2023 South Dakota Status Report - Direct Impact -Residential Lighting

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	5651	0	5651	0	5651	5651	\$85,640.49	\$0.00	\$85,640.49	\$85,640.49	\$0.00
2	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	5651	0	5651	5651	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	639	0	639	639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	639	0	639	639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	639	0	639	639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	639	0	639	639	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	639	0	639	639	\$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	5,651	0	87,960	0	87,960	87,960	\$85,640	\$0	\$85,640	\$85,640	\$0	\$85,640

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	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	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
2	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
3	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
4	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
5	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
6	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
7	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
8	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
9	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
10	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
11	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
12	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
13	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
14	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
15	0.048	0.048	0.005	0.005	0.005	0.005	46.58	46.58	274	274	26	26	26	26	263,248	263,248
16	0.077	0.077	0.007	0.007	0.007	0.007	127.30	127.30	49	49	5	5	5	5	81,346	81,346
17	0.077	0.077	0.007	0.007	0.007	0.007	127.30	127.30	49	49	5	5	5	5	81,346	81,346
18	0.077	0.077	0.007	0.007	0.007	0.007	127.30	127.30	49	49	5	5	5	5	81,346	81,346
19	0.077	0.077	0.007	0.007	0.007	0.007	127.30	127.30	49	49	5	5	5	5	81,346	81,346
20	0.077	0.077	0.007	0.007	0.007	0.007	127.30	127.30	49	49	5	5	5	5	81,346	81,346
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							1,335	1,335							4,355,451	4,355,451

2023 South Dakota Status Report - Direct Impact -Residential Lighting

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Net Free/Drop-Out Electric	Net Fuel Net Free/Drop-Out Gas	Net Fuel Net Free/Drop-Out Total
1	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
2	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
3	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
4	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
5	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
6	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
7	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
8	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
9	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
10	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
11	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
12	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
13	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
14	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
15	\$4.39	\$0.00	\$4.39	\$24,819.95	\$0.00	\$24,819.95	\$24,819.95	\$0.00	\$24,819.95
16	\$12.00	\$0.00	\$12.00	\$7,669.59	\$0.00	\$7,669.59	\$7,669.59	\$0.00	\$7,669.59
17	\$12.00	\$0.00	\$12.00	\$7,669.59	\$0.00	\$7,669.59	\$7,669.59	\$0.00	\$7,669.59
18	\$12.00	\$0.00	\$12.00	\$7,669.59	\$0.00	\$7,669.59	\$7,669.59	\$0.00	\$7,669.59
19	\$12.00	\$0.00	\$12.00	\$7,669.59	\$0.00	\$7,669.59	\$7,669.59	\$0.00	\$7,669.59
20	\$12.00	\$0.00	\$12.00	\$7,669.59	\$0.00	\$7,669.59	\$7,669.59	\$0.00	\$7,669.59
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	\$125.89	\$0.00	\$125.89	\$410,647.23	\$0.00	\$410,647.23	\$410,647.23	\$0.00	\$410,647.23

Utility Program Costs										
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)				
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kWh (net)	\$/kWh (net)	\$/kWh (net)	\$/CCF (net)
1	\$10,773.18	\$1,383.40	\$16,376.49	\$0.00	\$28,533.07	\$547.96	\$547.96	\$0.11	\$0.11	\$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	\$10,773.18	\$1,383.40	\$16,376.49	\$0.00	\$28,533.07	\$547.96	\$547.96	\$0.11	\$0.11	\$0.00

2023 South Dakota Status Report - Direct Impact -Residential Lighting

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$13,808.22	\$0.00	\$481.48	\$0.00	\$14,289.70	\$0.00	\$0.00	\$0.00
2	\$14,281.69	\$0.00	\$495.92	\$0.00	\$14,777.62	\$0.00	\$0.00	\$0.00
3	\$15,324.25	\$0.00	\$510.80	\$0.00	\$15,835.05	\$0.00	\$0.00	\$0.00
4	\$15,633.83	\$0.00	\$526.13	\$0.00	\$16,159.96	\$0.00	\$0.00	\$0.00
5	\$15,975.28	\$0.00	\$541.91	\$0.00	\$16,517.19	\$0.00	\$0.00	\$0.00
6	\$16,762.89	\$0.00	\$558.17	\$0.00	\$17,321.06	\$0.00	\$0.00	\$0.00
7	\$17,778.14	\$0.00	\$574.91	\$0.00	\$18,353.05	\$0.00	\$0.00	\$0.00
8	\$19,021.01	\$0.00	\$592.16	\$0.00	\$19,613.17	\$0.00	\$0.00	\$0.00
9	\$20,154.62	\$0.00	\$609.92	\$0.00	\$20,764.55	\$0.00	\$0.00	\$0.00
10	\$21,365.63	\$0.00	\$628.22	\$0.00	\$21,993.85	\$0.00	\$0.00	\$0.00
11	\$22,006.60	\$0.00	\$647.07	\$0.00	\$22,653.67	\$0.00	\$0.00	\$0.00
12	\$22,666.80	\$0.00	\$666.48	\$0.00	\$23,333.28	\$0.00	\$0.00	\$0.00
13	\$23,346.80	\$0.00	\$686.48	\$0.00	\$24,033.28	\$0.00	\$0.00	\$0.00
14	\$24,047.21	\$0.00	\$707.07	\$0.00	\$24,754.28	\$0.00	\$0.00	\$0.00
15	\$24,768.62	\$0.00	\$728.28	\$0.00	\$25,496.90	\$0.00	\$0.00	\$0.00
16	\$7,883.34	\$0.00	\$134.89	\$0.00	\$8,018.22	\$0.00	\$0.00	\$0.00
17	\$8,119.84	\$0.00	\$138.93	\$0.00	\$8,258.77	\$0.00	\$0.00	\$0.00
18	\$8,363.43	\$0.00	\$143.10	\$0.00	\$8,506.53	\$0.00	\$0.00	\$0.00
19	\$8,614.33	\$0.00	\$147.40	\$0.00	\$8,761.73	\$0.00	\$0.00	\$0.00
20	\$8,872.77	\$0.00	\$151.82	\$0.00	\$9,024.58	\$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	\$328,795.30	\$0.00	\$9,671.14	\$0.00	\$338,466.44	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$13,329.72	\$0.00	\$481.48	\$0.00	\$13,811.20
2	\$13,786.79	\$0.00	\$495.92	\$0.00	\$14,282.71
3	\$14,793.22	\$0.00	\$510.80	\$0.00	\$15,304.02
4	\$15,092.07	\$0.00	\$526.13	\$0.00	\$15,618.20
5	\$15,421.69	\$0.00	\$541.91	\$0.00	\$15,963.60
6	\$16,182.00	\$0.00	\$558.17	\$0.00	\$16,740.17
7	\$17,162.06	\$0.00	\$574.91	\$0.00	\$17,736.98
8	\$18,361.87	\$0.00	\$592.16	\$0.00	\$18,954.03
9	\$19,456.20	\$0.00	\$609.92	\$0.00	\$20,066.12
10	\$20,625.24	\$0.00	\$628.22	\$0.00	\$21,253.46
11	\$21,244.00	\$0.00	\$647.07	\$0.00	\$21,891.07
12	\$21,881.32	\$0.00	\$666.48	\$0.00	\$22,547.80
13	\$22,537.76	\$0.00	\$686.48	\$0.00	\$23,224.23
14	\$23,213.89	\$0.00	\$707.07	\$0.00	\$23,920.96
15	\$23,910.31	\$0.00	\$728.28	\$0.00	\$24,638.59
16	\$7,610.15	\$0.00	\$134.89	\$0.00	\$7,745.04
17	\$7,838.46	\$0.00	\$138.93	\$0.00	\$7,977.39
18	\$8,073.61	\$0.00	\$143.10	\$0.00	\$8,216.71
19	\$8,315.82	\$0.00	\$147.40	\$0.00	\$8,463.22
20	\$8,565.29	\$0.00	\$151.82	\$0.00	\$8,717.11
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$317,401.47	\$0.00	\$9,671.14	\$0.00	\$327,072.61

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$9,394.14	\$2,455.71	\$481.48	\$0.00	\$12,331.33	\$0.00	\$0.00	\$0.00
2	\$9,716.26	\$2,455.71	\$495.92	\$0.00	\$12,667.89	\$0.00	\$0.00	\$0.00
3	\$10,425.54	\$2,455.71	\$510.80	\$0.00	\$13,392.06	\$0.00	\$0.00	\$0.00
4	\$10,636.16	\$2,455.71	\$526.13	\$0.00	\$13,618.00	\$0.00	\$0.00	\$0.00
5	\$10,868.46	\$2,455.71	\$541.91	\$0.00	\$13,866.08	\$0.00	\$0.00	\$0.00
6	\$11,404.29	\$2,455.71	\$558.17	\$0.00	\$14,418.17	\$0.00	\$0.00	\$0.00
7	\$12,094.99	\$2,455.71	\$574.91	\$0.00	\$15,125.62	\$0.00	\$0.00	\$0.00
8	\$12,940.56	\$2,455.71	\$592.16	\$0.00	\$15,988.43	\$0.00	\$0.00	\$0.00
9	\$13,711.79	\$2,455.71	\$609.92	\$0.00	\$16,777.42	\$0.00	\$0.00	\$0.00
10	\$14,535.67	\$2,455.71	\$628.22	\$0.00	\$17,619.61	\$0.00	\$0.00	\$0.00
11	\$14,971.74	\$2,455.71	\$647.07	\$0.00	\$18,074.52	\$0.00	\$0.00	\$0.00
12	\$15,420.90	\$2,455.71	\$666.48	\$0.00	\$18,543.09	\$0.00	\$0.00	\$0.00
13	\$15,883.52	\$2,455.71	\$686.48	\$0.00	\$19,025.71	\$0.00	\$0.00	\$0.00
14	\$16,360.03	\$2,455.71	\$707.07	\$0.00	\$19,522.81	\$0.00	\$0.00	\$0.00
15	\$16,850.83	\$2,455.71	\$728.28	\$0.00	\$20,034.82	\$0.00	\$0.00	\$0.00
16	\$5,363.27	\$441.58	\$134.89	\$0.00	\$5,939.74	\$0.00	\$0.00	\$0.00
17	\$5,524.17	\$441.58	\$138.93	\$0.00	\$6,104.68	\$0.00	\$0.00	\$0.00
18	\$5,689.89	\$441.58	\$143.10	\$0.00	\$6,274.58	\$0.00	\$0.00	\$0.00
19	\$5,860.59	\$441.58	\$147.40	\$0.00	\$6,449.57	\$0.00	\$0.00	\$0.00
20	\$6,036.41	\$441.58	\$151.82	\$0.00	\$6,629.81	\$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	\$223,689.21	\$39,043.57	\$9,671.14	\$0.00	\$272,403.92	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$9,394.14	\$2,455.71	\$481.48	\$0.00	\$12,331.33
2	\$9,072.99	\$2,293.13	\$463.09	\$0.00	\$11,829.20
3	\$9,090.77	\$2,141.31	\$445.40	\$0.00	\$11,677.49
4	\$8,660.40	\$1,999.54	\$428.39	\$0.00	\$11,088.34
5	\$8,263.66	\$1,867.16	\$412.03	\$0.00	\$10,542.85
6	\$8,096.99	\$1,743.54	\$396.30	\$0.00	\$10,236.83
7	\$8,018.85	\$1,628.11	\$381.16	\$0.00	\$10,028.12
8	\$8,011.44	\$1,520.32	\$366.60	\$0.00	\$9,898.36
9	\$7,926.89	\$1,419.66	\$352.60	\$0.00	\$9,699.16
10	\$7,846.84	\$1,325.67	\$339.14	\$0.00	\$9,511.65
11	\$7,547.15	\$1,237.91	\$326.18	\$0.00	\$9,111.24
12	\$7,258.91	\$1,155.95	\$313.73	\$0.00	\$8,728.59
13	\$6,981.68	\$1,079.42	\$301.74	\$0.00	\$8,362.84
14	\$6,715.03	\$1,007.96	\$290.22	\$0.00	\$8,013.21
15	\$6,458.57	\$941.22	\$279.14	\$0.00	\$7,678.93
16	\$1,919.53	\$158.04	\$48.28	\$0.00	\$2,125.85
17	\$1,846.22	\$147.58	\$46.43	\$0.00	\$2,040.24
18	\$1,775.71	\$137.81	\$44.66	\$0.00	\$1,958.18
19	\$1,707.89	\$128.69	\$42.95	\$0.00	\$1,879.53
20	\$1,642.66	\$120.17	\$41.31	\$0.00	\$1,804.14
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$128,236.35	\$24,508.90	\$5,800.84	\$0.00	\$158,546.09
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	1.97	1.60	2.64	2.79	2.55	7.07
TRC Test	1.47	1.19	1.96	2.08	1.90	5.26
RIM Test	0.40	0.34	0.54	0.57	0.52	1.43
RIM (Net Fuel)	0.40	0.34	0.54	0.57	0.52	1.43
Societal Test	1.75	1.42	2.34	2.47	2.26	6.26
Participant Test	5.91	5.77	5.91	5.91	5.91	6.01

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$3,844.24	\$1,947.02	\$1,897.22	1.97	Utility (PAC) Test
\$3,844.24	\$2,615.03	\$1,229.21	1.47	TRC Test
\$3,844.24	\$9,511.44	(\$5,667.20)	0.40	RIM Test
\$3,844.24	\$9,511.44	(\$5,667.20)	0.40	RIM (Net Fuel) Test
\$4,567.87	\$2,615.03	\$1,952.84	1.75	Societal Test
\$9,865.64	\$1,668.00	\$8,197.64	5.91	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$3,433.42	\$3,036.83	\$5,046.70	\$5,339.46	\$4,871.81	\$13,677.72
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$323.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02
Avoided Electric 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	\$3,844.24	\$3,123.85	\$5,133.72	\$5,426.48	\$4,958.83	\$13,764.74
Administration Costs	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50
Implementation / Participation Costs	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99
Total	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	1.97	1.60	2.64	2.79	2.55	7.07
TRC Test						
Avoided Electric Production	\$3,433.42	\$3,036.83	\$5,046.70	\$5,339.46	\$4,871.81	\$13,677.72
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$323.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02
Avoided Electric 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	\$3,844.24	\$3,123.85	\$5,133.72	\$5,426.48	\$4,958.83	\$13,764.74
Administration Costs	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50
Implementation / Participation Costs	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$947.03	\$947.03	\$947.03	\$947.03	\$947.03	\$947.03
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00
Participant or Unit 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	1.47	1.19	1.96	2.08	1.90	5.26
RIM Test						
Avoided Electric Production	\$3,433.42	\$3,036.83	\$5,046.70	\$5,339.46	\$4,871.81	\$13,677.72
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$323.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02	\$87.02
Avoided Electric 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	\$3,844.24	\$3,123.85	\$5,133.72	\$5,426.48	\$4,958.83	\$13,764.74
Administration Costs	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50
Implementation / Participation Costs	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99
Total	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02	\$1,947.02
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$7,564.42	\$7,353.98	\$7,564.42	\$7,564.42	\$7,564.42	\$7,693.79
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,564.42	\$7,353.98	\$7,564.42	\$7,564.42	\$7,564.42	\$7,693.79
Electric Lost Revenue (Net Fuel)	\$7,564.42	\$7,353.98	\$7,564.42	\$7,564.42	\$7,564.42	\$7,693.79
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$7,564.42	\$7,353.98	\$7,564.42	\$7,564.42	\$7,564.42	\$7,693.79
Test Results	0.40	0.34	0.54	0.57	0.52	1.43
Societal Test						
Avoided Electric Production	\$4,085.42	\$3,613.52	\$6,005.06	\$6,353.41	\$5,796.96	\$16,275.09
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$379.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$102.95	\$102.95	\$102.95	\$102.95	\$102.95	\$102.95
Avoided Electric 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	\$4,567.87	\$3,716.47	\$6,108.01	\$6,456.36	\$5,899.91	\$16,378.04
Administration Costs	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50	\$683.50
Implementation / Participation Costs	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53	\$263.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$947.03	\$947.03	\$947.03	\$947.03	\$947.03	\$947.03
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00
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	1.75	1.42	2.34	2.47	2.26	6.26
Participant Test						
Incentives	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99	\$999.99
Participant or Unit Costs (Gross)	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00	\$1,668.00
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$8,865.65	\$8,619.01	\$8,865.65	\$8,865.65	\$8,865.65	\$9,017.27
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$8,865.65	\$8,619.01	\$8,865.65	\$8,865.65	\$8,865.65	\$9,017.27
Test Results	5.91	5.77	5.91	5.91	5.91	6.01

Participants	kWh	Summer kW	Winter kW	Generator
9	10,711	0.46	0.40	
	9,821	0.42	0.37	Meter
Loss Factor:				9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$683.50	\$263.53	\$0.00	\$1,000.0	\$1,947.02

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	9	9	9	9	9	9
kWh (Discounted)	107,112	104,186	107,112	107,112	107,112	108,939
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	9	9	9	9	9	9
kWh (Undiscounted)	107,112	104,186	107,112	107,112	107,112	108,939
CCF (Undiscounted)	-	-	-	-	-	-

2023 South Dakota Status Report - Direct Impact - Residential Thermostats

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	9	0	9	0	9	9	\$1,668.00	\$0.00	\$1,668.00	\$1,668.00	\$0.00
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	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	9	0	90	0	90	90	\$1,668	\$0	\$1,668	\$1,668	\$0	\$1,668

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	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	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
2	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
3	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
4	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
5	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
6	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
7	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
8	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
9	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
10	0.075	0.075	0.051	0.051	0.045	0.045	1,190.13	1,190.13	0.67	0.67	0.46	0.46	0.40	0.40	10,711	10,711
11	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
12	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
13	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
14	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
15	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
16	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
17	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
18	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
19	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
20	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
21	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
22	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
23	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
24	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
25	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0
Totals							11,901	11,901							107,112	107,112

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel	Net Fuel	Net Fuel
							Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total
1	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
2	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
3	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
4	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
5	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
6	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
7	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
8	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
9	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
10	\$112.21	\$0.00	\$112.21	\$1,009.89	\$0.00	\$1,009.89	\$1,009.89	\$0.00	\$1,009.89
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	\$1,122.10	\$0.00	\$1,122.10	\$10,098.87	\$0.00	\$10,098.87	\$10,098.87	\$0.00	\$10,098.87

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$683.50	\$263.53	\$999.99	\$0.00	\$1,947.02	\$2,256.79	\$2,256.79	\$0.18	\$0.18	\$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	\$683.50	\$263.53	\$999.99	\$0.00	\$1,947.02	\$2,256.79	\$2,256.79	\$0.18	\$0.18	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact - Residential Thermostats

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$561.84	\$0.00	\$10.30	\$0.00	\$572.14	\$0.00	\$0.00	\$0.00
2	\$581.10	\$0.00	\$10.61	\$0.00	\$591.71	\$0.00	\$0.00	\$0.00
3	\$623.52	\$0.00	\$10.93	\$0.00	\$634.45	\$0.00	\$0.00	\$0.00
4	\$636.12	\$0.00	\$11.26	\$0.00	\$647.38	\$0.00	\$0.00	\$0.00
5	\$650.01	\$0.00	\$11.60	\$0.00	\$661.61	\$0.00	\$0.00	\$0.00
6	\$682.06	\$0.00	\$11.95	\$0.00	\$694.00	\$0.00	\$0.00	\$0.00
7	\$723.37	\$0.00	\$12.30	\$0.00	\$735.67	\$0.00	\$0.00	\$0.00
8	\$773.94	\$0.00	\$12.67	\$0.00	\$786.61	\$0.00	\$0.00	\$0.00
9	\$820.06	\$0.00	\$13.05	\$0.00	\$833.11	\$0.00	\$0.00	\$0.00
10	\$869.34	\$0.00	\$13.44	\$0.00	\$882.78	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$6,921.34	\$0.00	\$118.12	\$0.00	\$7,039.47	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$542.37	\$0.00	\$10.30	\$0.00	\$552.67
2	\$560.96	\$0.00	\$10.61	\$0.00	\$571.58
3	\$601.91	\$0.00	\$10.93	\$0.00	\$612.85
4	\$614.07	\$0.00	\$11.26	\$0.00	\$625.33
5	\$627.49	\$0.00	\$11.60	\$0.00	\$639.08
6	\$658.42	\$0.00	\$11.95	\$0.00	\$670.37
7	\$698.30	\$0.00	\$12.30	\$0.00	\$710.60
8	\$747.12	\$0.00	\$12.67	\$0.00	\$759.79
9	\$791.64	\$0.00	\$13.05	\$0.00	\$804.70
10	\$839.21	\$0.00	\$13.44	\$0.00	\$852.65
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$6,681.50	\$0.00	\$118.12	\$0.00	\$6,799.62

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$382.23	\$43.23	\$10.30	\$0.00	\$435.77	\$0.00	\$0.00	\$0.00
2	\$395.34	\$43.23	\$10.61	\$0.00	\$449.18	\$0.00	\$0.00	\$0.00
3	\$424.20	\$43.23	\$10.93	\$0.00	\$478.36	\$0.00	\$0.00	\$0.00
4	\$432.77	\$43.23	\$11.26	\$0.00	\$487.26	\$0.00	\$0.00	\$0.00
5	\$442.22	\$43.23	\$11.60	\$0.00	\$497.05	\$0.00	\$0.00	\$0.00
6	\$464.02	\$43.23	\$11.95	\$0.00	\$519.20	\$0.00	\$0.00	\$0.00
7	\$492.13	\$43.23	\$12.30	\$0.00	\$547.66	\$0.00	\$0.00	\$0.00
8	\$526.53	\$43.23	\$12.67	\$0.00	\$582.43	\$0.00	\$0.00	\$0.00
9	\$557.91	\$43.23	\$13.05	\$0.00	\$614.19	\$0.00	\$0.00	\$0.00
10	\$591.44	\$43.23	\$13.44	\$0.00	\$648.11	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$4,708.80	\$432.30	\$118.12	\$0.00	\$5,259.22	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$382.23	\$43.23	\$10.30	\$0.00	\$435.77
2	\$369.17	\$40.37	\$9.91	\$0.00	\$419.44
3	\$369.89	\$37.70	\$9.53	\$0.00	\$417.12
4	\$352.38	\$35.20	\$9.17	\$0.00	\$396.75
5	\$336.24	\$32.87	\$8.82	\$0.00	\$377.92
6	\$329.45	\$30.69	\$8.48	\$0.00	\$368.63
7	\$326.28	\$28.66	\$8.16	\$0.00	\$363.09
8	\$325.97	\$26.76	\$7.85	\$0.00	\$360.58
9	\$322.53	\$24.99	\$7.55	\$0.00	\$355.07
10	\$319.28	\$23.34	\$7.26	\$0.00	\$349.87
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$3,433.42	\$323.81	\$87.02	\$0.00	\$3,844.24
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	5.54	4.17	6.78	7.16	6.56	18.00
TRC Test	1.68	1.27	2.06	2.18	1.99	5.47
RIM Test	0.57	0.44	0.70	0.74	0.68	1.84
RIM (Net Fuel)	0.57	0.44	0.70	0.74	0.68	1.84
Societal Test	2.29	1.74	2.83	2.99	2.74	7.53
Participant Test	3.89	3.79	3.89	3.89	3.89	3.95

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$723,122.11	\$130,602.22	\$592,519.89	5.54	Utility (PAC) Test
\$723,122.11	\$429,396.23	\$293,725.88	1.68	TRC Test
\$723,122.11	\$1,261,055.47	(\$537,933.36)	0.57	RIM Test
\$723,122.11	\$1,261,055.47	(\$537,933.36)	0.57	RIM (Net Fuel) Test
\$982,510.94	\$429,396.23	\$553,114.71	2.29	Societal Test
\$1,603,167.79	\$411,885.92	\$1,191,281.87	3.89	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$582,466.15	\$515,187.81	\$856,153.73	\$905,819.88	\$826,484.00	\$2,320,621.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$110,956.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11
Avoided Electric 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	\$723,122.11	\$544,886.92	\$885,852.84	\$935,519.00	\$856,183.12	\$2,350,320.14
Administration Costs	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54
Implementation / Participation Costs	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91
Total	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	5.54	4.17	6.78	7.16	6.56	18.00

Participants	kWh	Summer kW	Winter kW	
6,377	1,138,905	236.75	46.88	Generator
	1,044,253	217.08	42.98	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$14,259.54	\$3,250.77	\$0.00	\$113,091.91	\$130,602.22

TRC Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$582,466.15	\$515,187.81	\$856,153.73	\$905,819.88	\$826,484.00	\$2,320,621.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$110,956.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11
Avoided Electric 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	\$723,122.11	\$544,886.92	\$885,852.84	\$935,519.00	\$856,183.12	\$2,350,320.14
Administration Costs	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54
Implementation / Participation Costs	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92
Participant or Unit 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	1.68	1.27	2.06	2.18	1.99	5.47

RIM Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$582,466.15	\$515,187.81	\$856,153.73	\$905,819.88	\$826,484.00	\$2,320,621.02
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$110,956.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11	\$29,699.11
Avoided Electric 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	\$723,122.11	\$544,886.92	\$885,852.84	\$935,519.00	\$856,183.12	\$2,350,320.14
Administration Costs	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54
Implementation / Participation Costs	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91
Total	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22	\$130,602.22
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$1,130,453.25	\$1,098,993.91	\$1,130,453.25	\$1,130,453.25	\$1,130,453.25	\$1,149,795.05
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,130,453.25	\$1,098,993.91	\$1,130,453.25	\$1,130,453.25	\$1,130,453.25	\$1,149,795.05
Electric Lost Revenue (Net Fuel)	\$1,130,453.25	\$1,098,993.91	\$1,130,453.25	\$1,130,453.25	\$1,130,453.25	\$1,149,795.05
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,130,453.25	\$1,098,993.91	\$1,130,453.25	\$1,130,453.25	\$1,130,453.25	\$1,149,795.05
Test Results	0.57	0.44	0.70	0.74	0.68	1.84

Societal Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$801,238.62	\$708,690.49	\$1,177,722.02	\$1,246,042.65	\$1,136,908.91	\$3,192,145.60
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$141,765.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$39,506.50	\$39,506.50	\$39,506.50	\$39,506.50	\$39,506.50	\$39,506.50
Avoided Electric 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	\$982,510.94	\$748,196.99	\$1,217,228.52	\$1,285,549.15	\$1,176,415.41	\$3,231,652.10
Administration Costs	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54	\$14,259.54
Implementation / Participation Costs	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77	\$3,250.77
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31	\$17,510.31
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92
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	2.29	1.74	2.83	2.99	2.74	7.53

Participant Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Incentives	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91	\$113,091.91
Participant or Unit Costs (Gross)	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92	\$411,885.92
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$1,490,075.88	\$1,448,611.90	\$1,490,075.88	\$1,490,075.88	\$1,490,075.88	\$1,515,368.01
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,490,075.88	\$1,448,611.90	\$1,490,075.88	\$1,490,075.88	\$1,490,075.88	\$1,515,368.01
Test Results	3.89	3.79	3.89	3.89	3.89	3.95

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	2,694	2,694	2,694	2,694	2,694	2,694
kWh (Discounted)	20,073,366	19,524,876	20,073,366	20,073,366	20,073,366	20,415,851
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	2,694	2,694	2,694	2,694	2,694	2,694
kWh (Undiscounted)	20,073,366	19,524,876	20,073,366	20,073,366	20,073,366	20,415,851
CCF (Undiscounted)	-	-	-	-	-	-

2023 South Dakota Status Report - Direct Impact - Residential Programs

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	6377	0	6377	0	6377	6377	\$411,885.92	\$0.00	\$411,885.92	\$411,885.92	\$0.00
2	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	5710	0	5710	5710	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	5701	0	5701	5701	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	5701	0	5701	5701	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	5701	0	5701	5701	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	5701	0	5701	5701	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	5701	0	5701	5701	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	689	0	689	689	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	689	0	689	689	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	689	0	689	689	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	642	0	642	642	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	642	0	642	642	\$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	6,377	0	89,623	0	89,623	89,623	\$411,886	\$0	\$411,886	\$411,886	\$0	\$411,886

Impacts and Savings (Losses Included)																	
Year	Electric Impacts/Savings																
	Per Participant								Cumulative								
	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	0.077	0.077	0.037	0.037	0.007	0.007	178.60	178.60	493	493	237	237	47	47	1,138,905	1,138,905	
2	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
3	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
4	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
5	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
6	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
7	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
8	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
9	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
10	0.062	0.062	0.017	0.017	0.008	0.008	198.01	198.01	355	355	99	99	47	47	1,130,619	1,130,619	
11	0.062	0.062	0.017	0.017	0.008	0.008	196.44	196.44	354	354	98	98	46	46	1,119,908	1,119,908	
12	0.062	0.062	0.017	0.017	0.008	0.008	196.44	196.44	354	354	98	98	46	46	1,119,908	1,119,908	
13	0.062	0.062	0.017	0.017	0.008	0.008	196.44	196.44	354	354	98	98	46	46	1,119,908	1,119,908	
14	0.062	0.062	0.017	0.017	0.008	0.008	196.44	196.44	354	354	98	98	46	46	1,119,908	1,119,908	
15	0.062	0.062	0.017	0.017	0.008	0.008	196.44	196.44	354	354	98	98	46	46	1,119,908	1,119,908	
16	0.188	0.188	0.111	0.111	0.036	0.036	1,361.40	1,361.40	129	129	77	77	25	25	938,006	938,006	
17	0.188	0.188	0.111	0.111	0.036	0.036	1,361.40	1,361.40	129	129	77	77	25	25	938,006	938,006	
18	0.188	0.188	0.111	0.111	0.036	0.036	1,361.40	1,361.40	129	129	77	77	25	25	938,006	938,006	
19	0.089	0.089	0.018	0.018	0.039	0.039	268.95	268.95	57	57	12	12	25	25	172,669	172,669	
20	0.089	0.089	0.018	0.018	0.039	0.039	268.95	268.95	57	57	12	12	25	25	172,669	172,669	
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							7,565	7,565							20,073,366	20,073,366	

2023 South Dakota Status Report - Direct Impact - Residential Programs

Lost Revenue Dollars										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel		Net Fuel	
							Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas
1	\$16.85	\$0.00	\$16.85	\$107,454.73	\$0.00	\$107,454.73	\$107,454.73	\$0.00	\$107,454.73	\$0.00
2	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
3	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
4	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
5	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
6	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
7	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
8	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
9	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
10	\$18.67	\$0.00	\$18.67	\$106,598.70	\$0.00	\$106,598.70	\$106,598.70	\$0.00	\$106,598.70	\$0.00
11	\$18.52	\$0.00	\$18.52	\$105,588.81	\$0.00	\$105,588.81	\$105,588.81	\$0.00	\$105,588.81	\$0.00
12	\$18.52	\$0.00	\$18.52	\$105,588.81	\$0.00	\$105,588.81	\$105,588.81	\$0.00	\$105,588.81	\$0.00
13	\$18.52	\$0.00	\$18.52	\$105,588.81	\$0.00	\$105,588.81	\$105,588.81	\$0.00	\$105,588.81	\$0.00
14	\$18.52	\$0.00	\$18.52	\$105,588.81	\$0.00	\$105,588.81	\$105,588.81	\$0.00	\$105,588.81	\$0.00
15	\$18.52	\$0.00	\$18.52	\$105,588.81	\$0.00	\$105,588.81	\$105,588.81	\$0.00	\$105,588.81	\$0.00
16	\$128.36	\$0.00	\$128.36	\$88,438.45	\$0.00	\$88,438.45	\$88,438.45	\$0.00	\$88,438.45	\$0.00
17	\$128.36	\$0.00	\$128.36	\$88,438.45	\$0.00	\$88,438.45	\$88,438.45	\$0.00	\$88,438.45	\$0.00
18	\$128.36	\$0.00	\$128.36	\$88,438.45	\$0.00	\$88,438.45	\$88,438.45	\$0.00	\$88,438.45	\$0.00
19	\$25.36	\$0.00	\$25.36	\$16,279.82	\$0.00	\$16,279.82	\$16,279.82	\$0.00	\$16,279.82	\$0.00
20	\$25.36	\$0.00	\$25.36	\$16,279.82	\$0.00	\$16,279.82	\$16,279.82	\$0.00	\$16,279.82	\$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	\$713.26	\$0.00	\$713.26	\$1,892,662.10	\$0.00	\$1,892,662.10	\$1,892,662.10	\$0.00	\$1,892,662.10	\$0.00

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$14,259.54	\$3,250.77	\$113,091.91	\$0.00	\$130,602.22	\$460.47	\$460.47	\$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	\$14,259.54	\$3,250.77	\$113,091.91	\$0.00	\$130,602.22	\$460.47	\$460.47	\$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	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$59,758.61	\$0.00	\$4,631.01	\$0.00	\$64,389.62	\$0.00	\$0.00	\$0.00
2	\$61,338.15	\$0.00	\$2,137.23	\$0.00	\$63,475.37	\$0.00	\$0.00	\$0.00
3	\$65,815.81	\$0.00	\$2,201.34	\$0.00	\$68,017.15	\$0.00	\$0.00	\$0.00
4	\$67,145.42	\$0.00	\$2,267.38	\$0.00	\$69,412.81	\$0.00	\$0.00	\$0.00
5	\$68,611.91	\$0.00	\$2,335.41	\$0.00	\$70,947.31	\$0.00	\$0.00	\$0.00
6	\$71,994.60	\$0.00	\$2,405.47	\$0.00	\$74,400.06	\$0.00	\$0.00	\$0.00
7	\$76,354.94	\$0.00	\$2,477.63	\$0.00	\$78,832.58	\$0.00	\$0.00	\$0.00
8	\$81,692.95	\$0.00	\$2,551.96	\$0.00	\$84,244.91	\$0.00	\$0.00	\$0.00
9	\$86,561.67	\$0.00	\$2,628.52	\$0.00	\$89,190.19	\$0.00	\$0.00	\$0.00
10	\$91,762.80	\$0.00	\$2,707.38	\$0.00	\$94,470.18	\$0.00	\$0.00	\$0.00
11	\$93,620.27	\$0.00	\$2,774.75	\$0.00	\$96,395.02	\$0.00	\$0.00	\$0.00
12	\$96,428.88	\$0.00	\$2,857.99	\$0.00	\$99,286.87	\$0.00	\$0.00	\$0.00
13	\$99,321.75	\$0.00	\$2,943.73	\$0.00	\$102,265.48	\$0.00	\$0.00	\$0.00
14	\$102,301.40	\$0.00	\$3,032.04	\$0.00	\$105,333.44	\$0.00	\$0.00	\$0.00
15	\$105,370.44	\$0.00	\$3,123.00	\$0.00	\$108,493.45	\$0.00	\$0.00	\$0.00
16	\$90,903.21	\$0.00	\$2,601.45	\$0.00	\$93,504.66	\$0.00	\$0.00	\$0.00
17	\$93,630.31	\$0.00	\$2,679.50	\$0.00	\$96,309.80	\$0.00	\$0.00	\$0.00
18	\$96,439.22	\$0.00	\$2,759.88	\$0.00	\$99,199.10	\$0.00	\$0.00	\$0.00
19	\$18,285.19	\$0.00	\$790.79	\$0.00	\$19,075.98	\$0.00	\$0.00	\$0.00
20	\$18,833.74	\$0.00	\$814.52	\$0.00	\$19,648.26	\$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	\$1,546,171.26	\$0.00	\$50,720.98	\$0.00	\$1,596,892.24	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$57,686.59	\$0.00	\$4,631.01	\$0.00	\$62,317.59
2	\$59,212.58	\$0.00	\$2,137.23	\$0.00	\$61,349.80
3	\$63,535.08	\$0.00	\$2,201.34	\$0.00	\$65,736.42
4	\$64,818.61	\$0.00	\$2,267.38	\$0.00	\$67,086.00
5	\$66,234.28	\$0.00	\$2,335.41	\$0.00	\$68,569.69
6	\$69,499.75	\$0.00	\$2,405.47	\$0.00	\$71,905.22
7	\$73,708.99	\$0.00	\$2,477.63	\$0.00	\$76,186.63
8	\$78,862.02	\$0.00	\$2,551.96	\$0.00	\$81,413.98
9	\$83,562.03	\$0.00	\$2,628.52	\$0.00	\$86,190.55
10	\$88,582.92	\$0.00	\$2,707.38	\$0.00	\$91,290.30
11	\$90,376.02	\$0.00	\$2,774.75	\$0.00	\$93,150.77
12	\$93,087.30	\$0.00	\$2,857.99	\$0.00	\$95,945.30
13	\$95,879.92	\$0.00	\$2,943.73	\$0.00	\$98,823.65
14	\$98,756.32	\$0.00	\$3,032.04	\$0.00	\$101,788.36
15	\$101,719.01	\$0.00	\$3,123.00	\$0.00	\$104,842.01
16	\$87,753.12	\$0.00	\$2,601.45	\$0.00	\$90,354.57
17	\$90,385.71	\$0.00	\$2,679.50	\$0.00	\$93,065.21
18	\$93,097.28	\$0.00	\$2,759.88	\$0.00	\$95,857.16
19	\$17,651.55	\$0.00	\$790.79	\$0.00	\$18,442.34
20	\$18,181.09	\$0.00	\$814.52	\$0.00	\$18,995.61
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,492,590.17	\$0.00	\$50,720.98	\$0.00	\$1,543,311.15

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$40,654.90	\$22,330.37	\$4,631.01	\$0.00	\$67,616.27	\$0.00	\$0.00	\$0.00
2	\$41,730.16	\$9,293.76	\$2,137.23	\$0.00	\$53,161.15	\$0.00	\$0.00	\$0.00
3	\$44,776.45	\$9,293.76	\$2,201.34	\$0.00	\$56,271.55	\$0.00	\$0.00	\$0.00
4	\$45,681.03	\$9,293.76	\$2,267.38	\$0.00	\$57,242.17	\$0.00	\$0.00	\$0.00
5	\$46,678.72	\$9,293.76	\$2,335.41	\$0.00	\$58,307.88	\$0.00	\$0.00	\$0.00
6	\$48,980.06	\$9,293.76	\$2,405.47	\$0.00	\$60,679.29	\$0.00	\$0.00	\$0.00
7	\$51,946.54	\$9,293.76	\$2,477.63	\$0.00	\$63,717.93	\$0.00	\$0.00	\$0.00
8	\$55,578.14	\$9,293.76	\$2,551.96	\$0.00	\$67,423.86	\$0.00	\$0.00	\$0.00
9	\$58,890.48	\$9,293.76	\$2,628.52	\$0.00	\$70,812.76	\$0.00	\$0.00	\$0.00
10	\$62,428.96	\$9,293.76	\$2,707.38	\$0.00	\$74,430.10	\$0.00	\$0.00	\$0.00
11	\$63,692.65	\$9,250.53	\$2,774.75	\$0.00	\$75,717.93	\$0.00	\$0.00	\$0.00
12	\$65,603.43	\$9,250.53	\$2,857.99	\$0.00	\$77,711.95	\$0.00	\$0.00	\$0.00
13	\$67,571.53	\$9,250.53	\$2,943.73	\$0.00	\$79,765.79	\$0.00	\$0.00	\$0.00
14	\$69,598.68	\$9,250.53	\$3,032.04	\$0.00	\$81,881.25	\$0.00	\$0.00	\$0.00
15	\$71,686.64	\$9,250.53	\$3,123.00	\$0.00	\$84,060.17	\$0.00	\$0.00	\$0.00
16	\$61,844.15	\$7,236.40	\$2,601.45	\$0.00	\$71,682.01	\$0.00	\$0.00	\$0.00
17	\$63,699.48	\$7,236.40	\$2,679.50	\$0.00	\$73,615.38	\$0.00	\$0.00	\$0.00
18	\$65,610.46	\$7,236.40	\$2,759.88	\$0.00	\$75,606.75	\$0.00	\$0.00	\$0.00
19	\$12,439.96	\$1,089.14	\$790.79	\$0.00	\$14,319.89	\$0.00	\$0.00	\$0.00
20	\$12,813.15	\$1,089.14	\$814.52	\$0.00	\$14,716.81	\$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	\$1,051,905.58	\$176,114.33	\$50,720.98	\$0.00	\$1,278,740.89	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$40,654.90	\$22,330.37	\$4,631.01	\$0.00	\$67,616.27
2	\$38,967.38	\$8,678.46	\$1,995.73	\$0.00	\$49,641.56
3	\$39,043.78	\$8,103.89	\$1,919.51	\$0.00	\$49,067.18
4	\$37,195.39	\$7,567.36	\$1,846.20	\$0.00	\$46,608.95
5	\$35,491.41	\$7,066.36	\$1,775.69	\$0.00	\$44,333.46
6	\$34,775.61	\$6,598.52	\$1,707.87	\$0.00	\$43,082.00
7	\$34,440.00	\$6,161.66	\$1,642.64	\$0.00	\$42,244.30
8	\$34,408.17	\$5,753.72	\$1,579.91	\$0.00	\$41,741.80
9	\$34,045.03	\$5,372.79	\$1,519.57	\$0.00	\$40,937.39
10	\$33,701.24	\$5,017.08	\$1,461.53	\$0.00	\$40,179.85
11	\$32,107.03	\$4,663.13	\$1,398.73	\$0.00	\$38,168.89
12	\$30,880.79	\$4,354.40	\$1,345.31	\$0.00	\$36,580.51
13	\$29,701.39	\$4,066.11	\$1,293.93	\$0.00	\$35,061.43
14	\$28,567.03	\$3,796.91	\$1,244.51	\$0.00	\$33,608.45
15	\$27,475.99	\$3,545.53	\$1,196.98	\$0.00	\$32,218.51
16	\$22,134.25	\$2,589.94	\$931.07	\$0.00	\$25,655.26
17	\$21,288.90	\$2,418.47	\$895.51	\$0.00	\$24,602.87
18	\$20,475.83	\$2,258.53	\$861.31	\$0.00	\$23,595.49
19	\$3,625.25	\$317.40	\$230.45	\$0.00	\$4,173.10
20	\$3,486.80	\$296.38	\$221.65	\$0.00	\$4,004.83
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$582,466.15	\$110,956.84	\$29,699.11	\$0.00	\$723,122.11
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact - Commercial Drive Power

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	8	0	8	0	8	8	\$30,836.00	\$0.00	\$30,836.00	\$30,836.00	\$0.00
2	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	8	0	8	8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	8	0	8	8	\$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	8	0	120	0	120	120	\$30,836	\$0	\$30,836	\$30,836	\$0	\$30,836

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	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	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
2	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
3	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
4	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
5	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
6	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
7	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
8	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
9	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
10	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
11	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
12	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
13	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
14	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
15	3.978	3.978	3.103	3.103	3.098	3.098	20,687.52	20,687.52	32	32	25	25	25	25	165,500	165,500
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							310,313	310,313							2,482,503	2,482,503

2023 South Dakota Status Report - Direct Impact - Commercial Drive Power

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Net Free/Drop-Out Electric	Net Fuel Net Free/Drop-Out Gas	Net Fuel Net Free/Drop-Out Total
1	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
2	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
3	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
4	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
5	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
6	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
7	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
8	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
9	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
10	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
11	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
12	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
13	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
14	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
15	\$1,329.88	\$0.00	\$1,329.88	\$10,639.05	\$0.00	\$10,639.05	\$10,639.05	\$0.00	\$10,639.05
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$19,948.21	\$0.00	\$19,948.21	\$159,585.69	\$0.00	\$159,585.69	\$159,585.69	\$0.00	\$159,585.69

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$363.21	\$5,486.79	\$9,325.00	\$0.00	\$15,175.00	\$305.88	\$305.88	\$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	\$363.21	\$5,486.79	\$9,325.00	\$0.00	\$15,175.00	\$305.88	\$305.88	\$0.09	\$0.09	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact - Commercial Drive Power

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$7,973.92	\$0.00	\$459.06	\$0.00	\$8,432.98	\$0.00	\$0.00	\$0.00
2	\$8,247.34	\$0.00	\$472.83	\$0.00	\$8,720.17	\$0.00	\$0.00	\$0.00
3	\$8,849.39	\$0.00	\$487.02	\$0.00	\$9,336.41	\$0.00	\$0.00	\$0.00
4	\$9,028.17	\$0.00	\$501.63	\$0.00	\$9,529.80	\$0.00	\$0.00	\$0.00
5	\$9,225.35	\$0.00	\$516.68	\$0.00	\$9,742.03	\$0.00	\$0.00	\$0.00
6	\$9,680.18	\$0.00	\$532.18	\$0.00	\$10,212.35	\$0.00	\$0.00	\$0.00
7	\$10,266.45	\$0.00	\$548.14	\$0.00	\$10,814.60	\$0.00	\$0.00	\$0.00
8	\$10,984.19	\$0.00	\$564.59	\$0.00	\$11,548.77	\$0.00	\$0.00	\$0.00
9	\$11,638.82	\$0.00	\$581.52	\$0.00	\$12,220.34	\$0.00	\$0.00	\$0.00
10	\$12,338.15	\$0.00	\$598.97	\$0.00	\$12,937.12	\$0.00	\$0.00	\$0.00
11	\$12,708.29	\$0.00	\$616.94	\$0.00	\$13,325.23	\$0.00	\$0.00	\$0.00
12	\$13,089.54	\$0.00	\$635.45	\$0.00	\$13,724.99	\$0.00	\$0.00	\$0.00
13	\$13,482.23	\$0.00	\$654.51	\$0.00	\$14,136.74	\$0.00	\$0.00	\$0.00
14	\$13,886.69	\$0.00	\$674.15	\$0.00	\$14,560.84	\$0.00	\$0.00	\$0.00
15	\$14,303.30	\$0.00	\$694.37	\$0.00	\$14,997.67	\$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	\$165,702.01	\$0.00	\$8,538.04	\$0.00	\$174,240.05	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$7,676.55	\$0.00	\$459.06	\$0.00	\$8,135.61
2	\$7,939.77	\$0.00	\$472.83	\$0.00	\$8,412.60
3	\$8,519.37	\$0.00	\$487.02	\$0.00	\$9,006.39
4	\$8,691.48	\$0.00	\$501.63	\$0.00	\$9,193.11
5	\$8,881.31	\$0.00	\$516.68	\$0.00	\$9,397.98
6	\$9,319.17	\$0.00	\$532.18	\$0.00	\$9,851.35
7	\$9,883.58	\$0.00	\$548.14	\$0.00	\$10,431.73
8	\$10,574.55	\$0.00	\$564.59	\$0.00	\$11,139.14
9	\$11,204.77	\$0.00	\$581.52	\$0.00	\$11,786.30
10	\$11,878.02	\$0.00	\$598.97	\$0.00	\$12,476.99
11	\$12,234.36	\$0.00	\$616.94	\$0.00	\$12,851.30
12	\$12,601.39	\$0.00	\$635.45	\$0.00	\$13,236.84
13	\$12,979.43	\$0.00	\$654.51	\$0.00	\$13,633.94
14	\$13,368.81	\$0.00	\$674.15	\$0.00	\$14,042.96
15	\$13,769.88	\$0.00	\$694.37	\$0.00	\$14,464.25
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$159,522.44	\$0.00	\$8,538.04	\$0.00	\$168,060.48

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$5,467.12	\$2,341.37	\$459.06	\$0.00	\$8,267.55	\$0.00	\$0.00	\$0.00
2	\$5,654.58	\$2,341.37	\$472.83	\$0.00	\$8,468.78	\$0.00	\$0.00	\$0.00
3	\$6,067.37	\$2,341.37	\$487.02	\$0.00	\$8,895.75	\$0.00	\$0.00	\$0.00
4	\$6,189.94	\$2,341.37	\$501.63	\$0.00	\$9,032.93	\$0.00	\$0.00	\$0.00
5	\$6,325.13	\$2,341.37	\$516.68	\$0.00	\$9,183.17	\$0.00	\$0.00	\$0.00
6	\$6,636.97	\$2,341.37	\$532.18	\$0.00	\$9,510.51	\$0.00	\$0.00	\$0.00
7	\$7,038.94	\$2,341.37	\$548.14	\$0.00	\$9,928.45	\$0.00	\$0.00	\$0.00
8	\$7,531.03	\$2,341.37	\$564.59	\$0.00	\$10,436.99	\$0.00	\$0.00	\$0.00
9	\$7,979.87	\$2,341.37	\$581.52	\$0.00	\$10,902.76	\$0.00	\$0.00	\$0.00
10	\$8,459.34	\$2,341.37	\$598.97	\$0.00	\$11,399.68	\$0.00	\$0.00	\$0.00
11	\$8,713.12	\$2,341.37	\$616.94	\$0.00	\$11,671.43	\$0.00	\$0.00	\$0.00
12	\$8,974.52	\$2,341.37	\$635.45	\$0.00	\$11,951.33	\$0.00	\$0.00	\$0.00
13	\$9,243.75	\$2,341.37	\$654.51	\$0.00	\$12,239.63	\$0.00	\$0.00	\$0.00
14	\$9,521.07	\$2,341.37	\$674.15	\$0.00	\$12,536.58	\$0.00	\$0.00	\$0.00
15	\$9,806.70	\$2,341.37	\$694.37	\$0.00	\$12,842.44	\$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	\$113,609.46	\$35,120.49	\$8,538.04	\$0.00	\$157,267.98	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$5,467.12	\$2,341.37	\$459.06	\$0.00	\$8,267.55
2	\$5,280.22	\$2,186.35	\$441.53	\$0.00	\$7,908.10
3	\$5,290.57	\$2,041.60	\$424.67	\$0.00	\$7,756.84
4	\$5,040.11	\$1,906.44	\$408.45	\$0.00	\$7,354.99
5	\$4,809.21	\$1,780.22	\$392.85	\$0.00	\$6,982.28
6	\$4,712.22	\$1,662.36	\$377.84	\$0.00	\$6,752.42
7	\$4,666.74	\$1,552.30	\$363.41	\$0.00	\$6,582.45
8	\$4,662.43	\$1,449.53	\$349.53	\$0.00	\$6,461.49
9	\$4,613.22	\$1,353.56	\$336.18	\$0.00	\$6,302.97
10	\$4,566.64	\$1,263.95	\$323.34	\$0.00	\$6,153.93
11	\$4,392.23	\$1,180.27	\$311.00	\$0.00	\$5,883.49
12	\$4,224.48	\$1,102.13	\$299.12	\$0.00	\$5,625.72
13	\$4,063.14	\$1,029.16	\$287.69	\$0.00	\$5,379.99
14	\$3,907.96	\$961.02	\$276.71	\$0.00	\$5,145.68
15	\$3,758.70	\$897.40	\$266.14	\$0.00	\$4,922.24
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$69,454.97	\$22,707.65	\$5,317.52	\$0.00	\$97,480.13
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	12.83	9.32	14.71	15.50	14.18	37.57
TRC Test	1.80	1.31	2.07	2.18	1.99	5.28
RIM Test	1.09	0.81	1.25	1.32	1.21	3.14
RIM (Net Fuel)	1.09	0.81	1.25	1.32	1.21	3.14
Societal Test	2.34	1.71	2.70	2.84	2.60	6.89
Participant Test	1.65	1.61	1.65	1.65	1.65	1.68

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$1,244,438.98	\$1,121,818.32	\$1,815,042.86	\$1,917,158.69	\$1,747,354.04	\$4,755,911.85
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$328,929.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,650,395.08	\$1,198,844.75	\$1,892,069.29	\$1,994,185.12	\$1,824,380.48	\$4,832,938.28
Administration Costs	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01
Implementation / Participation Costs	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00
Total	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	12.83	9.32	14.71	15.50	14.18	37.57

TRC Test						
Avoided Electric Production	\$1,244,438.98	\$1,121,818.32	\$1,815,042.86	\$1,917,158.69	\$1,747,354.04	\$4,755,911.85
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$328,929.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,650,395.08	\$1,198,844.75	\$1,892,069.29	\$1,994,185.12	\$1,824,380.48	\$4,832,938.28
Administration Costs	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01
Implementation / Participation Costs	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87
Participant or Unit 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	1.80	1.31	2.07	2.18	1.99	5.28

RIM Test						
Avoided Electric Production	\$1,244,438.98	\$1,121,818.32	\$1,815,042.86	\$1,917,158.69	\$1,747,354.04	\$4,755,911.85
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$328,929.66	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44	\$77,026.44
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,650,395.08	\$1,198,844.75	\$1,892,069.29	\$1,994,185.12	\$1,824,380.48	\$4,832,938.28
Administration Costs	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01
Implementation / Participation Costs	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00
Total	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41	\$128,652.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Electric Lost Revenue (Net Fuel)	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Test Results	1.09	0.81	1.25	1.32	1.21	3.14

Societal Test						
Avoided Electric Production	\$1,626,444.15	\$1,466,182.65	\$2,372,296.18	\$2,505,668.48	\$2,283,738.94	\$6,215,833.09
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$416,507.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$99,609.91	\$99,609.91	\$99,609.91	\$99,609.91	\$99,609.91	\$99,609.91
Avoided Electric 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	\$2,142,561.65	\$1,565,792.56	\$2,471,816.09	\$2,605,278.39	\$2,383,348.85	\$6,315,443.00
Administration Costs	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01	\$56.01
Implementation / Participation Costs	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40	\$1,142.40
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41	\$1,198.41
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87
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	2.34	1.71	2.70	2.84	2.60	6.89

Participant Test						
Incentives	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00	\$127,454.00
Participant or Unit Costs (Gross)	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87	\$914,828.87
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,381,599.94	\$1,346,474.67	\$1,381,599.94	\$1,381,599.94	\$1,381,599.94	\$1,410,708.42
Test Results	1.65	1.61	1.65	1.65	1.65	1.68

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	7,697	7,697	7,697	7,697	7,697	7,697
kWh (Discounted)	44,479,511	43,348,727	44,479,511	44,479,511	44,479,511	45,416,719
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	7,697	7,697	7,697	7,697	7,697	7,697
kWh (Undiscounted)	44,479,511	43,348,727	44,479,511	44,479,511	44,479,511	45,416,719
CCF (Undiscounted)	-	-	-	-	-	-

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$1,650,395.08	\$128,652.41	\$1,521,742.67	12.83	Utility (PAC) Test
\$1,650,395.08	\$916,027.28	\$734,367.80	1.80	TRC Test
\$1,650,395.08	\$1,510,252.35	\$140,142.73	1.09	RIM Test
\$1,650,395.08	\$1,510,252.35	\$140,142.73	1.09	RIM (Net Fuel) Test
\$2,142,561.65	\$916,027.28	\$1,226,534.37	2.34	Societal Test
\$1,509,053.94	\$914,828.87	\$594,225.07	1.65	Participant Test

Participants	kWh	Summer kW	Winter kW	Generator
2	2,965,301	359.58	153.57	Meter
	2,718,863	329.70	140.81	

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$56.01	\$1,142.40	\$0.00	\$127,454.00	\$128,652.41

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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	2	0	2	0	2	2	\$914,828.87	\$0.00	\$914,828.87	\$914,828.87	\$0.00
2	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	2	0	2	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	2	0	2	2	\$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	2	0	30	0	30	30	\$914,829	\$0	\$914,829	\$914,829	\$0	\$914,829

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
2	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
3	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
4	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
5	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
6	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
7	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
8	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
9	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
10	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
11	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
12	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
13	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
14	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
15	0.000	0.000	179.790	179.790	76.786	76.786	1,482,650.37	1,482,650.37	0	0	360	360	154	154	2,965,301	2,965,301
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							22,239,756	22,239,756			0	0	0	0	44,479,511	44,479,511

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Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Freq/Drop-Out Electric	Net Freq/Drop-Out Gas	Net Freq/Drop-Out Total	Net Fuel		
							Net Freq/Drop-Out Electric	Net Freq/Drop-Out Gas	Net Freq/Drop-Out Total
1	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
2	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
3	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
4	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
5	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
6	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
7	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
8	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
9	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
10	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
11	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
12	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
13	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
14	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
15	\$71,227.79	\$0.00	\$71,227.79	\$142,455.58	\$0.00	\$142,455.58	\$142,455.58	\$0.00	\$142,455.58
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,068,416.87	\$0.00	\$1,068,416.87	\$2,136,833.74	\$0.00	\$2,136,833.74	\$2,136,833.74	\$0.00	\$2,136,833.74

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$56.01	\$1,142.40	\$127,454.00	\$0.00	\$128,652.41	\$250.71	\$250.71	\$0.04	\$0.04	\$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	\$56.01	\$1,142.40	\$127,454.00	\$0.00	\$128,652.41	\$250.71	\$250.71	\$0.04	\$0.04	\$0.00	\$0.00

2023 South Dakota Status Report- Direct Impact - Commercial Custom Grants

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$142,870.36	\$0.00	\$6,649.69	\$0.00	\$149,520.05	\$0.00	\$0.00	\$0.00
2	\$147,769.31	\$0.00	\$6,849.18	\$0.00	\$154,618.49	\$0.00	\$0.00	\$0.00
3	\$158,556.42	\$0.00	\$7,054.66	\$0.00	\$165,611.08	\$0.00	\$0.00	\$0.00
4	\$161,759.58	\$0.00	\$7,266.30	\$0.00	\$169,025.88	\$0.00	\$0.00	\$0.00
5	\$165,292.48	\$0.00	\$7,484.28	\$0.00	\$172,776.76	\$0.00	\$0.00	\$0.00
6	\$173,441.70	\$0.00	\$7,708.81	\$0.00	\$181,150.51	\$0.00	\$0.00	\$0.00
7	\$183,946.18	\$0.00	\$7,940.08	\$0.00	\$191,886.25	\$0.00	\$0.00	\$0.00
8	\$196,805.92	\$0.00	\$8,178.28	\$0.00	\$204,984.20	\$0.00	\$0.00	\$0.00
9	\$208,535.14	\$0.00	\$8,423.63	\$0.00	\$216,958.77	\$0.00	\$0.00	\$0.00
10	\$221,065.15	\$0.00	\$8,676.34	\$0.00	\$229,741.49	\$0.00	\$0.00	\$0.00
11	\$227,697.10	\$0.00	\$8,936.63	\$0.00	\$236,633.73	\$0.00	\$0.00	\$0.00
12	\$234,528.02	\$0.00	\$9,204.73	\$0.00	\$243,732.74	\$0.00	\$0.00	\$0.00
13	\$241,563.86	\$0.00	\$9,480.87	\$0.00	\$251,044.72	\$0.00	\$0.00	\$0.00
14	\$248,810.77	\$0.00	\$9,765.29	\$0.00	\$258,576.07	\$0.00	\$0.00	\$0.00
15	\$256,275.10	\$0.00	\$10,058.25	\$0.00	\$266,333.35	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,968,917.08	\$0.00	\$123,677.01	\$0.00	\$3,092,594.08	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$137,542.26	\$0.00	\$6,649.69	\$0.00	\$144,191.95
2	\$142,258.51	\$0.00	\$6,849.18	\$0.00	\$149,107.69
3	\$152,643.34	\$0.00	\$7,054.66	\$0.00	\$159,698.00
4	\$155,727.04	\$0.00	\$7,266.30	\$0.00	\$162,993.34
5	\$159,128.19	\$0.00	\$7,484.28	\$0.00	\$166,612.47
6	\$166,973.49	\$0.00	\$7,708.81	\$0.00	\$174,682.31
7	\$177,086.23	\$0.00	\$7,940.08	\$0.00	\$185,026.31
8	\$189,466.39	\$0.00	\$8,178.28	\$0.00	\$197,644.67
9	\$200,758.19	\$0.00	\$8,423.63	\$0.00	\$209,181.82
10	\$212,820.91	\$0.00	\$8,676.34	\$0.00	\$221,497.25
11	\$219,205.54	\$0.00	\$8,936.63	\$0.00	\$228,142.17
12	\$225,781.71	\$0.00	\$9,204.73	\$0.00	\$234,986.43
13	\$232,555.16	\$0.00	\$9,480.87	\$0.00	\$242,036.03
14	\$239,531.81	\$0.00	\$9,765.29	\$0.00	\$249,297.11
15	\$246,717.77	\$0.00	\$10,058.25	\$0.00	\$256,776.02
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,858,196.56	\$0.00	\$123,677.01	\$0.00	\$2,981,873.57

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$97,955.51	\$33,915.66	\$6,649.69	\$0.00	\$138,520.85	\$0.00	\$0.00	\$0.00
2	\$101,314.35	\$33,915.66	\$6,849.18	\$0.00	\$142,079.19	\$0.00	\$0.00	\$0.00
3	\$108,710.27	\$33,915.66	\$7,054.66	\$0.00	\$149,680.58	\$0.00	\$0.00	\$0.00
4	\$110,906.43	\$33,915.66	\$7,266.30	\$0.00	\$152,088.38	\$0.00	\$0.00	\$0.00
5	\$113,328.68	\$33,915.66	\$7,484.28	\$0.00	\$154,728.62	\$0.00	\$0.00	\$0.00
6	\$118,915.98	\$33,915.66	\$7,708.81	\$0.00	\$160,540.45	\$0.00	\$0.00	\$0.00
7	\$126,118.12	\$33,915.66	\$7,940.08	\$0.00	\$167,973.85	\$0.00	\$0.00	\$0.00
8	\$134,935.08	\$33,915.66	\$8,178.28	\$0.00	\$177,029.02	\$0.00	\$0.00	\$0.00
9	\$142,976.93	\$33,915.66	\$8,423.63	\$0.00	\$185,316.21	\$0.00	\$0.00	\$0.00
10	\$151,567.82	\$33,915.66	\$8,676.34	\$0.00	\$194,159.81	\$0.00	\$0.00	\$0.00
11	\$156,114.85	\$33,915.66	\$8,936.63	\$0.00	\$198,967.14	\$0.00	\$0.00	\$0.00
12	\$160,798.30	\$33,915.66	\$9,204.73	\$0.00	\$203,918.68	\$0.00	\$0.00	\$0.00
13	\$165,622.25	\$33,915.66	\$9,480.87	\$0.00	\$209,018.77	\$0.00	\$0.00	\$0.00
14	\$170,590.92	\$33,915.66	\$9,765.29	\$0.00	\$214,271.86	\$0.00	\$0.00	\$0.00
15	\$175,708.64	\$33,915.66	\$10,058.25	\$0.00	\$219,682.55	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,035,564.13	\$508,734.83	\$123,677.01	\$0.00	\$2,667,975.96	\$0.00	\$0.00	\$0.00

Year	Discount		7.09%		
	Energy	Capacity	T&D	Ancillary	Total
1	\$97,955.51	\$33,915.66	\$6,649.69	\$0.00	\$138,520.85
2	\$94,606.73	\$31,670.24	\$6,395.72	\$0.00	\$132,672.69
3	\$94,792.23	\$29,573.48	\$6,151.46	\$0.00	\$130,517.16
4	\$90,304.62	\$27,615.53	\$5,916.52	\$0.00	\$123,836.68
5	\$86,167.63	\$25,787.22	\$5,690.55	\$0.00	\$117,645.40
6	\$84,429.78	\$24,079.95	\$5,473.22	\$0.00	\$113,982.95
7	\$83,614.96	\$22,485.71	\$5,264.19	\$0.00	\$111,364.86
8	\$83,537.69	\$20,997.03	\$5,063.14	\$0.00	\$109,597.85
9	\$82,656.05	\$19,606.90	\$4,869.76	\$0.00	\$107,132.70
10	\$81,821.37	\$18,308.80	\$4,683.78	\$0.00	\$104,813.95
11	\$78,696.43	\$17,096.65	\$4,504.89	\$0.00	\$100,297.97
12	\$75,690.84	\$15,964.75	\$4,332.84	\$0.00	\$95,988.43
13	\$72,800.05	\$14,907.79	\$4,167.36	\$0.00	\$91,875.19
14	\$70,019.65	\$13,920.80	\$4,008.20	\$0.00	\$87,948.66
15	\$67,345.45	\$12,999.16	\$3,855.12	\$0.00	\$84,199.73
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,244,438.98	\$328,929.66	\$77,026.44	\$0.00	\$1,650,395.08
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	2.50	1.71	2.73	2.88	2.64	7.14
TRC Test	4.41	3.03	4.83	5.10	4.67	12.63
RIM Test	0.59	0.41	0.64	0.68	0.62	1.66
RIM (Net Fuel)	23.51	23.24	23.74	23.89	23.65	27.55
Societal Test	5.01	3.46	5.52	5.82	5.33	14.43
Participant Test	0.00	0.00	0.00	0.00	0.00	0.00

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$19,319.35	\$7,738.67	\$11,580.68	2.50	Utility (PAC) Test
\$19,319.35	\$4,376.51	\$14,942.84	4.41	TRC Test
\$19,319.35	\$3,287.31	(\$13,567.96)	0.59	RIM Test
\$19,319.35	(\$154,860.76)	\$174,180.11	(0.12)	RIM (Net Fuel) Test
\$21,945.74	\$4,376.51	\$17,569.23	5.01	Societal Test
\$28,510.80	\$0.00	\$28,510.80	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$13,749.41	\$12,287.42	\$20,168.74	\$21,329.60	\$19,457.28	\$54,287.56
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$4,592.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64
Avoided Electric 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	\$19,319.35	\$13,265.06	\$21,146.38	\$22,307.24	\$20,434.92	\$55,265.20
Administration Costs	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85
Implementation / Participation Costs	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16
Total	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	2.50	1.71	2.73	2.88	2.64	7.14

Participants	kWh	Summer kWh	Winter kWh	
419	86,778	12,68	12,68	Generator
	79,566	11,63	11,63	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$3,456.85	\$919.66	\$0.00	\$3,362.16	\$7,738.67

TRC Test						
Avoided Electric Production	\$13,749.41	\$12,287.42	\$20,168.74	\$21,329.60	\$19,457.28	\$54,287.56
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$4,592.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64
Avoided Electric 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	\$19,319.35	\$13,265.06	\$21,146.38	\$22,307.24	\$20,434.92	\$55,265.20
Administration Costs	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85
Implementation / Participation Costs	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit 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	4.41	3.03	4.83	5.10	4.67	12.63

RIM Test						
Avoided Electric Production	\$13,749.41	\$12,287.42	\$20,168.74	\$21,329.60	\$19,457.28	\$54,287.56
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$4,592.30	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64	\$977.64
Avoided Electric 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	\$19,319.35	\$13,265.06	\$21,146.38	\$22,307.24	\$20,434.92	\$55,265.20
Administration Costs	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85
Implementation / Participation Costs	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16
Total	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67	\$7,738.67
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$25,148.64	\$24,602.78	\$25,148.64	\$25,148.64	\$25,148.64	\$25,592.98
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$25,148.64	\$24,602.78	\$25,148.64	\$25,148.64	\$25,148.64	\$25,592.98
Electric Lost Revenue (Net Fuel)	-\$162,599.43	-\$166,581.92	-\$162,599.43	-\$162,599.43	-\$162,599.43	-\$157,912.10
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	-\$162,599.43	-\$166,581.92	-\$162,599.43	-\$162,599.43	-\$162,599.43	-\$157,912.10
Test Results	0.59	0.41	0.64	0.68	0.62	1.66

Societal Test						
Avoided Electric Production	\$15,710.84	\$14,040.29	\$23,045.93	\$24,372.39	\$22,232.97	\$62,031.99
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$5,126.81	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$1,108.09	\$1,108.09	\$1,108.09	\$1,108.09	\$1,108.09	\$1,108.09
Avoided Electric 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	\$21,945.74	\$15,148.38	\$24,154.02	\$25,480.48	\$23,341.05	\$63,140.08
Administration Costs	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85	\$3,456.85
Implementation / Participation Costs	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66	\$919.66
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51	\$4,376.51
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit 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	5.01	3.46	5.52	5.82	5.33	14.43

Participant Test						
Incentives	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16	\$3,362.16
Participant or Unit Costs (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$25,148.64	\$24,602.78	\$25,148.64	\$25,148.64	\$25,148.64	\$25,592.98
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$25,148.64	\$24,602.78	\$25,148.64	\$25,148.64	\$25,148.64	\$25,592.98
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	120	120	120	120	120	120
kWh (Discounted)	418,337	408,464	418,337	418,337	418,337	426,413
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	120	120	120	120	120	120
kWh (Undiscounted)	418,337	408,464	418,337	418,337	418,337	426,413
CCF (Undiscounted)	-	-	-	-	-	-

2023 South Dakota Status Report - Direct Impact -Commercial Direct Install

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	419	0	419	0	419	419	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2	0	0	419	0	419	419	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	419	0	419	419	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	162	0	162	162	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	162	0	162	162	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	160	0	160	160	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	160	0	160	160	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	160	0	160	160	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	140	0	140	140	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	140	0	140	140	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	140	0	140	140	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	90	0	90	90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	90	0	90	90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	27	0	27	27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	27	0	27	27	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	27	0	27	27	\$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	419	0	2,742	0	2,742	2,742	\$0	\$0	\$0	\$0	\$0	\$0

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	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	0.044	0.044	0.030	0.030	0.030	0.030	207.11	207.11	19	19	13	13	13	13	86,778	86,778
2	0.044	0.044	0.030	0.030	0.030	0.030	207.11	207.11	19	19	13	13	13	13	86,778	86,778
3	0.044	0.044	0.030	0.030	0.030	0.030	207.11	207.11	19	19	13	13	13	13	86,778	86,778
4	0.020	0.020	0.014	0.014	0.014	0.014	116.74	116.74	3	3	2	2	2	2	18,912	18,912
5	0.020	0.020	0.014	0.014	0.014	0.014	116.74	116.74	3	3	2	2	2	2	18,912	18,912
6	0.018	0.018	0.013	0.013	0.013	0.013	96.21	96.21	3	3	2	2	2	2	15,393	15,393
7	0.018	0.018	0.013	0.013	0.013	0.013	96.21	96.21	3	3	2	2	2	2	15,393	15,393
8	0.018	0.018	0.013	0.013	0.013	0.013	96.21	96.21	3	3	2	2	2	2	15,393	15,393
9	0.019	0.019	0.014	0.014	0.014	0.014	90.48	90.48	3	3	2	2	2	2	12,667	12,667
10	0.019	0.019	0.014	0.014	0.014	0.014	90.48	90.48	3	3	2	2	2	2	12,667	12,667
11	0.019	0.019	0.014	0.014	0.014	0.014	90.48	90.48	3	3	2	2	2	2	12,667	12,667
12	0.019	0.019	0.015	0.015	0.015	0.015	102.99	102.99	2	2	1	1	1	1	9,269	9,269
13	0.019	0.019	0.015	0.015	0.015	0.015	102.99	102.99	2	2	1	1	1	1	9,269	9,269
14	0.049	0.049	0.033	0.033	0.033	0.033	215.56	215.56	1	1	1	1	1	1	5,820	5,820
15	0.049	0.049	0.033	0.033	0.033	0.033	215.56	215.56	1	1	1	1	1	1	5,820	5,820
16	0.049	0.049	0.033	0.033	0.033	0.033	215.56	215.56	1	1	1	1	1	1	5,820	5,820
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							2,268	2,268							418,337	418,337

2023 South Dakota Status Report - Direct Impact -Commercial Direct Install

Lost Revenue Dollars										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel	Net Fuel	Net Fuel	Net Fuel
							Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Free/Drop-Out Total
1	\$15.38	\$0.00	\$15.38	\$6,445.43	\$0.00	\$6,445.43	-\$18,357.07	\$0.00	-\$18,357.07	
2	\$15.38	\$0.00	\$15.38	\$6,445.43	\$0.00	\$6,445.43	-\$18,357.07	\$0.00	-\$18,357.07	
3	\$15.38	\$0.00	\$15.38	\$6,445.43	\$0.00	\$6,445.43	-\$18,357.07	\$0.00	-\$18,357.07	
4	\$8.52	\$0.00	\$8.52	\$1,380.43	\$0.00	\$1,380.43	-\$19,996.77	\$0.00	-\$19,996.77	
5	\$8.52	\$0.00	\$8.52	\$1,380.43	\$0.00	\$1,380.43	-\$19,996.77	\$0.00	-\$19,996.77	
6	\$7.06	\$0.00	\$7.06	\$1,129.61	\$0.00	\$1,129.61	-\$20,247.59	\$0.00	-\$20,247.59	
7	\$7.06	\$0.00	\$7.06	\$1,129.61	\$0.00	\$1,129.61	-\$20,247.59	\$0.00	-\$20,247.59	
8	\$7.06	\$0.00	\$7.06	\$1,129.61	\$0.00	\$1,129.61	-\$20,247.59	\$0.00	-\$20,247.59	
9	\$6.70	\$0.00	\$6.70	\$937.42	\$0.00	\$937.42	-\$10,439.78	\$0.00	-\$10,439.78	
10	\$6.70	\$0.00	\$6.70	\$937.42	\$0.00	\$937.42	-\$10,439.78	\$0.00	-\$10,439.78	
11	\$6.70	\$0.00	\$6.70	\$937.42	\$0.00	\$937.42	-\$10,439.78	\$0.00	-\$10,439.78	
12	\$7.56	\$0.00	\$7.56	\$680.74	\$0.00	\$680.74	-\$10,696.46	\$0.00	-\$10,696.46	
13	\$7.56	\$0.00	\$7.56	\$680.74	\$0.00	\$680.74	-\$10,696.46	\$0.00	-\$10,696.46	
14	\$16.09	\$0.00	\$16.09	\$434.35	\$0.00	\$434.35	-\$10,942.85	\$0.00	-\$10,942.85	
15	\$16.09	\$0.00	\$16.09	\$434.35	\$0.00	\$434.35	-\$10,942.85	\$0.00	-\$10,942.85	
16	\$16.09	\$0.00	\$16.09	\$434.35	\$0.00	\$434.35	-\$10,942.85	\$0.00	-\$10,942.85	
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	\$167.85	\$0.00	\$167.85	\$30,962.78	\$0.00	\$30,962.78	-\$241,348.32	\$0.00	-\$241,348.32	

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$3,456.85	\$919.66	\$3,362.16	\$0.00	\$7,738.67	\$305.10	\$305.10	\$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	\$3,456.85	\$919.66	\$3,362.16	\$0.00	\$7,738.67	\$305.10	\$305.10	\$0.09	\$0.09	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact -Commercial Direct Install

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$4,538.00	\$0.00	\$234.53	\$0.00	\$4,772.53	\$0.00	\$0.00	\$0.00
2	\$4,693.61	\$0.00	\$241.57	\$0.00	\$4,935.18	\$0.00	\$0.00	\$0.00
3	\$5,036.24	\$0.00	\$248.81	\$0.00	\$5,285.06	\$0.00	\$0.00	\$0.00
4	\$1,119.73	\$0.00	\$45.44	\$0.00	\$1,165.17	\$0.00	\$0.00	\$0.00
5	\$1,144.18	\$0.00	\$46.81	\$0.00	\$1,190.99	\$0.00	\$0.00	\$0.00
6	\$977.23	\$0.00	\$45.88	\$0.00	\$1,023.11	\$0.00	\$0.00	\$0.00
7	\$1,036.42	\$0.00	\$47.25	\$0.00	\$1,083.67	\$0.00	\$0.00	\$0.00
8	\$1,108.87	\$0.00	\$48.67	\$0.00	\$1,157.54	\$0.00	\$0.00	\$0.00
9	\$966.84	\$0.00	\$44.51	\$0.00	\$1,011.35	\$0.00	\$0.00	\$0.00
10	\$1,024.93	\$0.00	\$45.84	\$0.00	\$1,070.78	\$0.00	\$0.00	\$0.00
11	\$1,055.68	\$0.00	\$47.22	\$0.00	\$1,102.90	\$0.00	\$0.00	\$0.00
12	\$795.71	\$0.00	\$33.45	\$0.00	\$829.16	\$0.00	\$0.00	\$0.00
13	\$819.58	\$0.00	\$34.45	\$0.00	\$854.04	\$0.00	\$0.00	\$0.00
14	\$530.04	\$0.00	\$24.29	\$0.00	\$554.33	\$0.00	\$0.00	\$0.00
15	\$545.94	\$0.00	\$25.02	\$0.00	\$570.96	\$0.00	\$0.00	\$0.00
16	\$562.32	\$0.00	\$25.77	\$0.00	\$588.09	\$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	\$25,955.35	\$0.00	\$1,239.52	\$0.00	\$27,194.87	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$4,377.92	\$0.00	\$234.53	\$0.00	\$4,612.45
2	\$4,528.04	\$0.00	\$241.57	\$0.00	\$4,769.61
3	\$4,858.58	\$0.00	\$248.81	\$0.00	\$5,107.40
4	\$1,080.23	\$0.00	\$45.44	\$0.00	\$1,125.67
5	\$1,103.82	\$0.00	\$46.81	\$0.00	\$1,150.63
6	\$942.76	\$0.00	\$45.88	\$0.00	\$988.63
7	\$999.86	\$0.00	\$47.25	\$0.00	\$1,047.11
8	\$1,069.76	\$0.00	\$48.67	\$0.00	\$1,118.43
9	\$932.73	\$0.00	\$44.51	\$0.00	\$977.24
10	\$988.78	\$0.00	\$45.84	\$0.00	\$1,034.62
11	\$1,018.44	\$0.00	\$47.22	\$0.00	\$1,065.66
12	\$767.64	\$0.00	\$33.45	\$0.00	\$801.09
13	\$790.67	\$0.00	\$34.45	\$0.00	\$825.12
14	\$511.35	\$0.00	\$24.29	\$0.00	\$535.64
15	\$526.69	\$0.00	\$25.02	\$0.00	\$551.70
16	\$542.49	\$0.00	\$25.77	\$0.00	\$568.26
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$25,039.75	\$0.00	\$1,239.52	\$0.00	\$26,279.27

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$3,093.64	\$1,196.19	\$234.53	\$0.00	\$4,524.36	\$0.00	\$0.00	\$0.00
2	\$3,199.72	\$1,196.19	\$241.57	\$0.00	\$4,637.47	\$0.00	\$0.00	\$0.00
3	\$3,433.30	\$1,196.19	\$248.81	\$0.00	\$4,878.30	\$0.00	\$0.00	\$0.00
4	\$763.34	\$212.11	\$45.44	\$0.00	\$1,020.90	\$0.00	\$0.00	\$0.00
5	\$780.01	\$212.11	\$46.81	\$0.00	\$1,038.93	\$0.00	\$0.00	\$0.00
6	\$666.20	\$201.84	\$45.88	\$0.00	\$913.91	\$0.00	\$0.00	\$0.00
7	\$706.54	\$201.84	\$47.25	\$0.00	\$955.63	\$0.00	\$0.00	\$0.00
8	\$755.94	\$201.84	\$48.67	\$0.00	\$1,006.45	\$0.00	\$0.00	\$0.00
9	\$659.11	\$179.21	\$44.51	\$0.00	\$882.83	\$0.00	\$0.00	\$0.00
10	\$698.72	\$179.21	\$45.84	\$0.00	\$923.77	\$0.00	\$0.00	\$0.00
11	\$719.68	\$179.21	\$47.22	\$0.00	\$946.10	\$0.00	\$0.00	\$0.00
12	\$542.45	\$123.25	\$33.45	\$0.00	\$699.15	\$0.00	\$0.00	\$0.00
13	\$558.73	\$123.25	\$34.45	\$0.00	\$716.42	\$0.00	\$0.00	\$0.00
14	\$361.34	\$84.36	\$24.29	\$0.00	\$469.99	\$0.00	\$0.00	\$0.00
15	\$372.18	\$84.36	\$25.02	\$0.00	\$481.56	\$0.00	\$0.00	\$0.00
16	\$383.35	\$84.36	\$25.77	\$0.00	\$493.48	\$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	\$17,694.25	\$5,655.49	\$1,239.52	\$0.00	\$24,589.25	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$3,093.64	\$1,196.19	\$234.53	\$0.00	\$4,524.36
2	\$2,987.88	\$1,116.99	\$225.57	\$0.00	\$4,330.44
3	\$2,993.74	\$1,043.04	\$216.96	\$0.00	\$4,253.74
4	\$621.54	\$172.71	\$37.00	\$0.00	\$831.26
5	\$593.07	\$161.28	\$35.59	\$0.00	\$789.94
6	\$473.00	\$143.30	\$32.57	\$0.00	\$648.87
7	\$468.43	\$133.82	\$31.33	\$0.00	\$633.58
8	\$468.00	\$124.96	\$30.13	\$0.00	\$623.09
9	\$381.04	\$103.60	\$25.73	\$0.00	\$510.37
10	\$377.19	\$96.74	\$24.75	\$0.00	\$498.68
11	\$362.78	\$90.34	\$23.80	\$0.00	\$476.92
12	\$255.34	\$58.01	\$15.75	\$0.00	\$329.10
13	\$245.59	\$54.17	\$15.14	\$0.00	\$314.91
14	\$148.31	\$34.63	\$9.97	\$0.00	\$192.91
15	\$142.65	\$32.33	\$9.59	\$0.00	\$184.57
16	\$137.20	\$30.19	\$9.22	\$0.00	\$176.62
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$13,749.41	\$4,592.30	\$977.64	\$0.00	\$19,319.35
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	3.89	3.02	4.71	4.96	4.56	12.02
TRC Test	0.78	0.61	0.95	1.00	0.92	2.42
RIM Test	0.74	0.59	0.90	0.94	0.87	2.26
RIM (Net Fuel) Test	0.74	0.59	0.90	0.94	0.87	2.26
Societal Test	1.08	0.85	1.32	1.39	1.28	3.37
Participant Test	1.06	1.04	1.06	1.06	1.06	1.07

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$367,421.40	\$328,353.09	\$538,963.41	\$569,984.62	\$519,951.02	\$1,450,710.47
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$68,917.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18
Avoided Electric 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	\$484,342.93	\$376,357.27	\$586,967.59	\$617,988.80	\$567,955.20	\$1,498,714.65
Administration Costs	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98
Implementation / Participation Costs	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00
Reduced Arrears	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08
Test Results	3.89	3.02	4.71	4.96	4.56	12.02
TRC Test						
Avoided Electric Production	\$367,421.40	\$328,353.09	\$538,963.41	\$569,984.62	\$519,951.02	\$1,450,710.47
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$68,917.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18
Avoided Electric 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	\$484,342.93	\$376,357.27	\$586,967.59	\$617,988.80	\$567,955.20	\$1,498,714.65
Administration Costs	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98
Implementation / Participation Costs	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00
Participant or Unit Tax Credits (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.78	0.61	0.95	1.00	0.92	2.42
RIM Test						
Avoided Electric Production	\$367,421.40	\$328,353.09	\$538,963.41	\$569,984.62	\$519,951.02	\$1,450,710.47
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$68,917.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18	\$48,004.18
Avoided Electric 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	\$484,342.93	\$376,357.27	\$586,967.59	\$617,988.80	\$567,955.20	\$1,498,714.65
Administration Costs	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98
Implementation / Participation Costs	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00
Reduced Arrears	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08	\$124,663.08
Electric Lost Revenue	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Electric Lost Revenue (Net Fuel)	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Test Results	0.74	0.59	0.90	0.94	0.87	2.26
Test Results	0.74	0.59	0.90	0.94	0.87	2.26
Societal Test						
Avoided Electric Production	\$512,542.01	\$458,042.88	\$751,838.06	\$795,111.73	\$725,316.34	\$2,023,698.32
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$91,926.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$67,155.54	\$67,155.54	\$67,155.54	\$67,155.54	\$67,155.54	\$67,155.54
Avoided Electric 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	\$671,623.99	\$525,198.42	\$818,993.61	\$862,267.27	\$792,471.88	\$2,090,853.86
Administration Costs	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98	\$1,919.98
Implementation / Participation Costs	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10	\$19,168.10
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Reduced Arrears	\$21,088.08	\$21,088.08	\$21,088.08	\$21,088.08	\$21,088.08	\$21,088.08
Participant or Unit Costs (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Tax Credits (Gross)	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00
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	1.08	0.85	1.32	1.39	1.28	3.37
Participant Test						
Incentives	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00	\$103,575.00
Participant or Unit Costs (Gross)	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00	\$598,780.00
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$529,789.56	\$517,732.58	\$529,789.56	\$529,789.56	\$529,789.56	\$539,604.35
Test Results	1.06	1.04	1.06	1.06	1.06	1.07

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$484,342.93	\$124,663.08	\$359,679.85	3.89	Utility (PAC) Test
\$484,342.93	\$619,868.08	(\$135,525.15)	0.78	TRC Test
\$484,342.93	\$654,452.64	(\$170,109.71)	0.74	RIM Test
\$484,342.93	\$654,452.64	(\$170,109.71)	0.74	RIM (Net Fuel) Test
\$671,623.99	\$619,868.08	\$51,755.91	1.08	Societal Test
\$633,364.56	\$598,780.00	\$34,584.56	1.06	Participant Test

Participants	kWh	Summer kW	Winter kW	
37	696,550	67.61	167.08	Generator
	638,662	61.99	153.19	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$1,919.98	\$19,168.10	\$0.00	\$103,575.00	\$124,663.08

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	4,595	4,595	4,595	4,595	4,595	4,595
kWh (Discounted)	12,826,978	12,524,255	12,826,978	12,826,978	12,826,978	13,074,612
CCF (Discounted)	4,595	4,595	4,595	4,595	4,595	4,595
kWh (Undiscounted)	12,826,978	12,524,255	12,826,978	12,826,978	12,826,978	13,074,612
CCF (Undiscounted)	-	-	-	-	-	-

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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	37	0	37	0	37	37	\$598,780.00	\$0.00	\$598,780.00	\$598,780.00	\$0.00
2	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	37	0	37	37	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	25	0	25	25	\$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	37	0	680	0	680	680	\$598,780	\$0	\$598,780	\$598,780	\$0	\$598,780

Impacts and Savings (Losses Included)																	
Year	Electric Impacts/Savings																
	Per Participant								Cumulative								
	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	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
2	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
3	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
4	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
5	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
6	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
7	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
8	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
9	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
10	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
11	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
12	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
13	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
14	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
15	2.030	2.030	1.827	1.827	4.516	4.516	18,825.67	18,825.67	75	75	68	68	167	167	696,550	696,550	
16	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
17	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
18	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
19	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
20	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
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							377,534	377,534							12,826,978	12,826,978	

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Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out	Net Fuel	Net Fuel	Net Fuel
				Electric	Gas	Total	Net Free/Drop-Out	Net Free/Drop-Out	Net Free/Drop-Out
1	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
2	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
3	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
4	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
5	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
6	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
7	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
8	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
9	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
10	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
11	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
12	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
13	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
14	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
15	\$1,328.40	\$0.00	\$1,328.40	\$49,150.74	\$0.00	\$49,150.74	\$49,150.74	\$0.00	\$49,150.74
16	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
17	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
18	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
19	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
20	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
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	\$26,700.44	\$0.00	\$26,700.44	\$906,622.72	\$0.00	\$906,622.72	\$906,622.72	\$0.00	\$906,622.72

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$1,919.98	\$19,168.10	\$103,575.00	\$0.00	\$124,663.08	\$531.20	\$531.20	\$0.18	\$0.18	\$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	\$1,919.98	\$19,168.10	\$103,575.00	\$0.00	\$124,663.08	\$531.20	\$531.20	\$0.18	\$0.18	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact - Commercial Heat Pumps

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$36,425.58	\$0.00	\$3,455.21	\$0.00	\$39,880.79	\$0.00	\$0.00	\$0.00
2	\$37,674.60	\$0.00	\$3,558.87	\$0.00	\$41,233.46	\$0.00	\$0.00	\$0.00
3	\$40,424.83	\$0.00	\$3,665.63	\$0.00	\$44,090.46	\$0.00	\$0.00	\$0.00
4	\$41,241.49	\$0.00	\$3,775.60	\$0.00	\$45,017.10	\$0.00	\$0.00	\$0.00
5	\$42,142.22	\$0.00	\$3,888.87	\$0.00	\$46,031.09	\$0.00	\$0.00	\$0.00
6	\$44,219.91	\$0.00	\$4,005.54	\$0.00	\$48,225.45	\$0.00	\$0.00	\$0.00
7	\$46,898.09	\$0.00	\$4,125.70	\$0.00	\$51,023.79	\$0.00	\$0.00	\$0.00
8	\$50,176.75	\$0.00	\$4,249.47	\$0.00	\$54,426.22	\$0.00	\$0.00	\$0.00
9	\$53,167.18	\$0.00	\$4,376.96	\$0.00	\$57,544.14	\$0.00	\$0.00	\$0.00
10	\$56,361.77	\$0.00	\$4,508.27	\$0.00	\$60,870.04	\$0.00	\$0.00	\$0.00
11	\$58,052.63	\$0.00	\$4,643.51	\$0.00	\$62,696.14	\$0.00	\$0.00	\$0.00
12	\$59,794.20	\$0.00	\$4,782.82	\$0.00	\$64,577.02	\$0.00	\$0.00	\$0.00
13	\$61,588.03	\$0.00	\$4,926.30	\$0.00	\$66,514.34	\$0.00	\$0.00	\$0.00
14	\$63,435.67	\$0.00	\$5,074.09	\$0.00	\$68,509.77	\$0.00	\$0.00	\$0.00
15	\$65,338.74	\$0.00	\$5,226.32	\$0.00	\$70,565.06	\$0.00	\$0.00	\$0.00
16	\$45,965.39	\$0.00	\$4,813.70	\$0.00	\$50,779.09	\$0.00	\$0.00	\$0.00
17	\$47,344.35	\$0.00	\$4,958.11	\$0.00	\$52,302.46	\$0.00	\$0.00	\$0.00
18	\$48,764.68	\$0.00	\$5,106.86	\$0.00	\$53,871.54	\$0.00	\$0.00	\$0.00
19	\$50,227.62	\$0.00	\$5,260.06	\$0.00	\$55,487.68	\$0.00	\$0.00	\$0.00
20	\$51,734.45	\$0.00	\$5,417.86	\$0.00	\$57,152.32	\$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	\$1,000,978.20	\$0.00	\$89,819.76	\$0.00	\$1,090,797.97	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$35,140.64	\$0.00	\$3,455.21	\$0.00	\$38,595.85
2	\$36,345.59	\$0.00	\$3,558.87	\$0.00	\$39,904.46
3	\$38,998.81	\$0.00	\$3,665.63	\$0.00	\$42,664.44
4	\$39,786.66	\$0.00	\$3,775.60	\$0.00	\$43,562.27
5	\$40,655.62	\$0.00	\$3,888.87	\$0.00	\$44,544.49
6	\$42,660.02	\$0.00	\$4,005.54	\$0.00	\$46,665.55
7	\$45,243.72	\$0.00	\$4,125.70	\$0.00	\$49,369.42
8	\$48,406.72	\$0.00	\$4,249.47	\$0.00	\$52,656.20
9	\$51,291.66	\$0.00	\$4,376.96	\$0.00	\$55,668.62
10	\$54,373.56	\$0.00	\$4,508.27	\$0.00	\$58,881.83
11	\$56,004.77	\$0.00	\$4,643.51	\$0.00	\$60,648.28
12	\$57,684.91	\$0.00	\$4,782.82	\$0.00	\$62,467.73
13	\$59,415.46	\$0.00	\$4,926.30	\$0.00	\$64,341.77
14	\$61,197.92	\$0.00	\$5,074.09	\$0.00	\$66,272.02
15	\$63,033.86	\$0.00	\$5,226.32	\$0.00	\$68,260.18
16	\$44,343.92	\$0.00	\$4,813.70	\$0.00	\$49,157.62
17	\$45,674.24	\$0.00	\$4,958.11	\$0.00	\$50,632.35
18	\$47,044.47	\$0.00	\$5,106.86	\$0.00	\$52,151.32
19	\$48,455.80	\$0.00	\$5,260.06	\$0.00	\$53,715.86
20	\$49,909.48	\$0.00	\$5,417.86	\$0.00	\$55,327.34
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$965,667.85	\$0.00	\$89,819.76	\$0.00	\$1,055,487.61

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$24,832.00	\$6,376.57	\$3,455.21	\$0.00	\$34,663.78	\$0.00	\$0.00	\$0.00
2	\$25,683.47	\$6,376.57	\$3,558.87	\$0.00	\$35,618.91	\$0.00	\$0.00	\$0.00
3	\$27,558.36	\$6,376.57	\$3,665.63	\$0.00	\$37,600.56	\$0.00	\$0.00	\$0.00
4	\$28,115.09	\$6,376.57	\$3,775.60	\$0.00	\$38,267.27	\$0.00	\$0.00	\$0.00
5	\$28,729.14	\$6,376.57	\$3,888.87	\$0.00	\$38,994.58	\$0.00	\$0.00	\$0.00
6	\$30,145.54	\$6,376.57	\$4,005.54	\$0.00	\$40,527.64	\$0.00	\$0.00	\$0.00
7	\$31,971.30	\$6,376.57	\$4,125.70	\$0.00	\$42,473.57	\$0.00	\$0.00	\$0.00
8	\$34,206.42	\$6,376.57	\$4,249.47	\$0.00	\$44,832.47	\$0.00	\$0.00	\$0.00
9	\$36,245.06	\$6,376.57	\$4,376.96	\$0.00	\$46,998.58	\$0.00	\$0.00	\$0.00
10	\$38,422.87	\$6,376.57	\$4,508.27	\$0.00	\$49,307.71	\$0.00	\$0.00	\$0.00
11	\$39,575.56	\$6,376.57	\$4,643.51	\$0.00	\$50,595.64	\$0.00	\$0.00	\$0.00
12	\$40,762.82	\$6,376.57	\$4,782.82	\$0.00	\$51,922.21	\$0.00	\$0.00	\$0.00
13	\$41,985.71	\$6,376.57	\$4,926.30	\$0.00	\$53,288.58	\$0.00	\$0.00	\$0.00
14	\$43,245.28	\$6,376.57	\$5,074.09	\$0.00	\$54,695.94	\$0.00	\$0.00	\$0.00
15	\$44,542.64	\$6,376.57	\$5,226.32	\$0.00	\$56,145.52	\$0.00	\$0.00	\$0.00
16	\$31,335.46	\$4,512.51	\$4,813.70	\$0.00	\$40,661.67	\$0.00	\$0.00	\$0.00
17	\$32,275.53	\$4,512.51	\$4,958.11	\$0.00	\$41,746.15	\$0.00	\$0.00	\$0.00
18	\$33,243.79	\$4,512.51	\$5,106.86	\$0.00	\$42,863.15	\$0.00	\$0.00	\$0.00
19	\$34,241.11	\$4,512.51	\$5,260.06	\$0.00	\$44,013.67	\$0.00	\$0.00	\$0.00
20	\$35,268.34	\$4,512.51	\$5,417.86	\$0.00	\$45,198.71	\$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	\$682,385.48	\$118,211.08	\$89,819.76	\$0.00	\$890,416.33	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$24,832.00	\$6,376.57	\$3,455.21	\$0.00	\$34,663.78
2	\$23,983.07	\$5,954.40	\$3,323.25	\$0.00	\$33,260.73
3	\$24,030.10	\$5,560.19	\$3,196.33	\$0.00	\$32,786.61
4	\$22,892.48	\$5,192.07	\$3,074.25	\$0.00	\$31,158.80
5	\$21,843.74	\$4,848.32	\$2,956.84	\$0.00	\$29,648.90
6	\$21,403.19	\$4,527.33	\$2,843.91	\$0.00	\$28,774.43
7	\$21,196.63	\$4,227.60	\$2,735.30	\$0.00	\$28,159.52
8	\$21,177.04	\$3,947.71	\$2,630.83	\$0.00	\$27,755.57
9	\$20,953.54	\$3,686.34	\$2,530.35	\$0.00	\$27,170.24
10	\$20,741.95	\$3,442.29	\$2,433.71	\$0.00	\$26,617.95
11	\$19,949.77	\$3,214.39	\$2,340.76	\$0.00	\$25,504.92
12	\$19,187.84	\$3,001.57	\$2,251.37	\$0.00	\$24,440.78
13	\$18,455.02	\$2,802.85	\$2,165.38	\$0.00	\$23,423.25
14	\$17,750.18	\$2,617.29	\$2,082.68	\$0.00	\$22,450.15
15	\$17,072.26	\$2,444.01	\$2,003.14	\$0.00	\$21,519.41
16	\$11,215.08	\$1,615.04	\$1,722.84	\$0.00	\$14,552.96
17	\$10,786.75	\$1,508.12	\$1,657.04	\$0.00	\$13,951.91
18	\$10,374.78	\$1,408.27	\$1,593.76	\$0.00	\$13,376.81
19	\$9,978.55	\$1,315.03	\$1,532.89	\$0.00	\$12,826.47
20	\$9,597.44	\$1,227.97	\$1,474.34	\$0.00	\$12,299.76
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$367,421.40	\$68,917.36	\$48,004.18	\$0.00	\$484,342.93
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

2023 South Dakota Status Report - Direct Impact- Commercial Lighting

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	9.58	6.50	10.23	10.77	9.87	25.98
TRC Test	8.05	5.46	8.59	9.05	8.29	21.83
RIM Test	0.83	0.57	0.88	0.93	0.85	2.21
RIM (Net Fuel)	0.89	0.62	0.95	1.00	0.92	2.37
Societal Test	10.38	7.10	11.17	11.76	10.77	28.37
Participant Test	11.63	11.39	11.63	11.63	11.63	11.83

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$624,661.54	\$560,021.22	\$910,912.68	\$962,120.68	\$876,823.95	\$2,394,434.49
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$225,239.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95
Avoided Electric 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	\$902,574.13	\$612,694.17	\$963,585.63	\$1,014,793.64	\$929,496.90	\$2,447,107.44
Administration Costs	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70
Implementation / Participation Costs	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47
Total	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	9.58	6.50	10.23	10.77	9.87	25.98

TRC Test						
Avoided Electric Production	\$624,661.54	\$560,021.22	\$910,912.68	\$962,120.68	\$876,823.95	\$2,394,434.49
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$225,239.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95
Avoided Electric 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	\$902,574.13	\$612,694.17	\$963,585.63	\$1,014,793.64	\$929,496.90	\$2,447,107.44
Administration Costs	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70
Implementation / Participation Costs	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47
Total	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43
Participant or Unit 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	8.05	5.46	8.59	9.05	8.29	21.83

RIM Test						
Avoided Electric Production	\$624,661.54	\$560,021.22	\$910,912.68	\$962,120.68	\$876,823.95	\$2,394,434.49
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$225,239.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95	\$52,672.95
Avoided Electric 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	\$902,574.13	\$612,694.17	\$963,585.63	\$1,014,793.64	\$929,496.90	\$2,447,107.44
Administration Costs	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70
Implementation / Participation Costs	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47
Total	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97	\$94,188.97
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$995,880.32	\$974,473.14	\$995,880.32	\$995,880.32	\$995,880.32	\$1,014,256.53
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$995,880.32	\$974,473.14	\$995,880.32	\$995,880.32	\$995,880.32	\$1,014,256.53
Electric Lost Revenue (Net Fuel)	\$918,560.80	\$895,708.08	\$918,560.80	\$918,560.80	\$918,560.80	\$938,719.05
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$918,560.80	\$895,708.08	\$918,560.80	\$918,560.80	\$918,560.80	\$938,719.05
Test Results	0.83	0.57	0.88	0.93	0.85	2.21

Societal Test						
Avoided Electric Production	\$812,212.34	\$728,230.97	\$1,184,412.32	\$1,250,996.30	\$1,140,091.06	\$3,113,194.20
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$283,730.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TR&D	\$67,763.34	\$67,763.34	\$67,763.34	\$67,763.34	\$67,763.34	\$67,763.34
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$1,163,706.28	\$795,994.31	\$1,252,175.65	\$1,318,759.63	\$1,207,854.40	\$3,180,957.54
Administration Costs	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70	\$2,036.70
Implementation / Participation Costs	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80	\$18,059.80
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50	\$20,096.50
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43
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	10.38	7.10	11.17	11.76	10.77	28.37

Participant Test						
Incentives	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47	\$74,092.47
Participant or Unit Costs (Gross)	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43	\$92,022.43
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$995,880.32	\$974,473.14	\$995,880.32	\$995,880.32	\$995,880.32	\$1,014,256.53
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$995,880.32	\$974,473.14	\$995,880.32	\$995,880.32	\$995,880.32	\$1,014,256.53
Test Results	11.63	11.39	11.63	11.63	11.63	11.83

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	7,330	7,330	7,330	7,330	7,330	7,330
kWh (Discounted)	22,251,302	21,554,746	22,251,302	22,251,302	22,251,302	22,848,772
CCF (Discounted)	-	-	-	-	-	-
kW (Undiscounted)	7,330	7,330	7,330	7,330	7,330	7,330
kWh (Undiscounted)	22,251,302	21,554,746	22,251,302	22,251,302	22,251,302	22,848,772
CCF (Undiscounted)	-	-	-	-	-	-

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/ Cost Ratio	
\$902,574.13	\$94,188.97	\$808,385.16	9.58	Utility (PAC) Test
\$902,574.13	\$112,118.93	\$790,455.20	8.05	TRC Test
\$902,574.13	\$1,090,069.29	(\$187,495.16)	0.83	RIM Test
\$902,574.13	\$1,012,749.77	(\$110,175.64)	0.89	RIM (Net Fuel) Test
\$1,163,706.28	\$112,118.93	\$1,051,587.35	10.38	Societal Test
\$1,069,972.79	\$92,022.43	\$977,950.36	11.63	Participant Test

Participants	kWh	Summer kW	Winter kW	Generator Meter
56	1,593,921	263.78	264.85	
	1,461,455	352.25	242.84	

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$2,036.70	\$18,059.80	\$0.00	\$74,092.47	\$94,188.97

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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	56	0	56	0	56	56	\$92,022.43	\$0.00	\$92,022.43	\$92,022.43	\$0.00
2	0	0	56	0	56	56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	56	0	56	56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	51	0	51	51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	51	0	51	51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	51	0	51	51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	51	0	51	51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	51	0	51	51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	50	0	50	50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	46	0	46	46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	1	0	1	1	\$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	56	0	770	0	770	770	\$92,022	\$0	\$92,022	\$92,022	\$0	\$92,022

Impacts and Savings (Losses Included)																
Year	Electric Impacts/Savings															
	Per Participant								Cumulative							
	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)	kW	kW (net)	Summer Coin kW	Summer Coin (net)	Winter Coin kW	Winter Coin (net)	kWh	kWh (net)
1	6.860	6.860	4.710	4.710	4.729	4.729	28,462.88	28,462.88	384	384	264	264	265	265	1,593,921	1,593,921
2	6.860	6.860	4.710	4.710	4.729	4.729	28,462.88	28,462.88	384	384	264	264	265	265	1,593,921	1,593,921
3	6.860	6.860	4.710	4.710	4.729	4.729	28,462.88	28,462.88	384	384	264	264	265	265	1,593,921	1,593,921
4	6.859	6.859	4.687	4.687	4.708	4.708	28,731.21	28,731.21	350	350	239	239	240	240	1,465,292	1,465,292
5	6.859	6.859	4.687	4.687	4.708	4.708	28,731.21	28,731.21	350	350	239	239	240	240	1,465,292	1,465,292
6	6.859	6.859	4.687	4.687	4.708	4.708	28,731.21	28,731.21	350	350	239	239	240	240	1,465,292	1,465,292
7	6.859	6.859	4.687	4.687	4.708	4.708	28,731.21	28,731.21	350	350	239	239	240	240	1,465,292	1,465,292
8	6.859	6.859	4.687	4.687	4.708	4.708	28,731.21	28,731.21	350	350	239	239	240	240	1,465,292	1,465,292
9	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
10	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
11	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
12	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
13	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
14	6.967	6.967	4.781	4.781	4.781	4.781	29,160.39	29,160.39	348	348	239	239	239	239	1,458,019	1,458,019
15	7.256	7.256	5.197	5.197	5.197	5.197	30,143.00	30,143.00	334	334	239	239	239	239	1,386,578	1,386,578
16	1.095	1.095	0.789	0.789	0.789	0.789	8,385.51	8,385.51	1	1	1	1	1	1	8,386	8,386
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							442,536	442,536							22,251,302	22,251,302

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Lost Revenue Dollars										
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)			
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel		Net Fuel	
							Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas
1	\$1,955.56	\$0.00	\$1,955.56	\$109,511.15	\$0.00	\$109,511.15	\$101,822.53	\$0.00	\$101,822.53	\$0.00
2	\$1,955.56	\$0.00	\$1,955.56	\$109,511.15	\$0.00	\$109,511.15	\$101,822.53	\$0.00	\$101,822.53	\$0.00
3	\$1,955.56	\$0.00	\$1,955.56	\$109,511.15	\$0.00	\$109,511.15	\$101,822.53	\$0.00	\$101,822.53	\$0.00
4	\$1,968.01	\$0.00	\$1,968.01	\$100,368.75	\$0.00	\$100,368.75	\$92,680.14	\$0.00	\$92,680.14	\$0.00
5	\$1,968.01	\$0.00	\$1,968.01	\$100,368.75	\$0.00	\$100,368.75	\$92,680.14	\$0.00	\$92,680.14	\$0.00
6	\$1,968.01	\$0.00	\$1,968.01	\$100,368.75	\$0.00	\$100,368.75	\$92,680.14	\$0.00	\$92,680.14	\$0.00
7	\$1,968.01	\$0.00	\$1,968.01	\$100,368.75	\$0.00	\$100,368.75	\$92,680.14	\$0.00	\$92,680.14	\$0.00
8	\$1,968.01	\$0.00	\$1,968.01	\$100,368.75	\$0.00	\$100,368.75	\$92,680.14	\$0.00	\$92,680.14	\$0.00
9	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
10	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
11	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
12	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
13	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
14	\$1,997.87	\$0.00	\$1,997.87	\$99,893.56	\$0.00	\$99,893.56	\$92,204.94	\$0.00	\$92,204.94	\$0.00
15	\$2,070.12	\$0.00	\$2,070.12	\$95,225.48	\$0.00	\$95,225.48	\$87,536.87	\$0.00	\$87,536.87	\$0.00
16	\$492.14	\$0.00	\$492.14	\$492.14	\$0.00	\$492.14	-\$7,196.48	\$0.00	-\$7,196.48	\$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	\$30,256.23	\$0.00	\$30,256.23	\$1,525,456.19	\$0.00	\$1,525,456.19	\$1,402,438.35	\$0.00	\$1,402,438.35	\$0.00

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$2,036.70	\$18,059.80	\$74,092.47	\$0.00	\$94,188.97	\$178.17	\$178.17	\$0.06	\$0.06	\$0.00	\$0.00
2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,036.70	\$18,059.80	\$74,092.47	\$0.00	\$94,188.97	\$178.17	\$178.17	\$0.06	\$0.06	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Today Scenario									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total	
1	\$76,781.54	\$0.00	\$4,897.86	\$0.00	\$81,679.40	\$0.00	\$0.00	\$0.00	
2	\$79,414.34	\$0.00	\$5,044.80	\$0.00	\$84,459.14	\$0.00	\$0.00	\$0.00	
3	\$85,211.56	\$0.00	\$5,196.14	\$0.00	\$90,407.71	\$0.00	\$0.00	\$0.00	
4	\$79,916.18	\$0.00	\$4,852.06	\$0.00	\$84,768.24	\$0.00	\$0.00	\$0.00	
5	\$81,661.58	\$0.00	\$4,997.62	\$0.00	\$86,659.20	\$0.00	\$0.00	\$0.00	
6	\$85,687.65	\$0.00	\$5,147.55	\$0.00	\$90,835.20	\$0.00	\$0.00	\$0.00	
7	\$90,877.31	\$0.00	\$5,301.98	\$0.00	\$96,179.29	\$0.00	\$0.00	\$0.00	
8	\$97,230.58	\$0.00	\$5,461.04	\$0.00	\$102,691.61	\$0.00	\$0.00	\$0.00	
9	\$102,515.67	\$0.00	\$5,599.85	\$0.00	\$108,115.52	\$0.00	\$0.00	\$0.00	
10	\$108,675.41	\$0.00	\$5,767.84	\$0.00	\$114,443.25	\$0.00	\$0.00	\$0.00	
11	\$111,935.67	\$0.00	\$5,940.88	\$0.00	\$117,876.55	\$0.00	\$0.00	\$0.00	
12	\$115,293.74	\$0.00	\$6,119.11	\$0.00	\$121,412.85	\$0.00	\$0.00	\$0.00	
13	\$118,752.55	\$0.00	\$6,302.68	\$0.00	\$125,055.23	\$0.00	\$0.00	\$0.00	
14	\$122,315.13	\$0.00	\$6,491.76	\$0.00	\$128,806.89	\$0.00	\$0.00	\$0.00	
15	\$119,831.91	\$0.00	\$6,686.51	\$0.00	\$126,518.42	\$0.00	\$0.00	\$0.00	
16	\$746.46	\$0.00	\$22.73	\$0.00	\$769.18	\$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	\$1,476,847.28	\$0.00	\$83,830.40	\$0.00	\$1,560,677.67	\$0.00	\$0.00	\$0.00	

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value						
Year	Cumulative Electric					Production
	Energy	Adders/Capacity	T&D	Ancillary	Total	
1	\$73,908.03	\$0.00	\$4,897.86	\$0.00	\$78,805.89	\$0.00
2	\$76,442.30	\$0.00	\$5,044.80	\$0.00	\$81,487.10	\$0.00
3	\$82,022.56	\$0.00	\$5,196.14	\$0.00	\$87,218.70	\$0.00
4	\$76,924.44	\$0.00	\$4,852.06	\$0.00	\$81,776.49	\$0.00
5	\$78,604.50	\$0.00	\$4,997.62	\$0.00	\$83,602.12	\$0.00
6	\$82,479.84	\$0.00	\$5,147.55	\$0.00	\$87,627.39	\$0.00
7	\$87,475.22	\$0.00	\$5,301.98	\$0.00	\$92,777.20	\$0.00
8	\$93,590.65	\$0.00	\$5,461.04	\$0.00	\$99,051.68	\$0.00
9	\$98,679.04	\$0.00	\$5,599.85	\$0.00	\$104,278.89	\$0.00
10	\$104,608.25	\$0.00	\$5,767.84	\$0.00	\$110,376.10	\$0.00
11	\$107,746.50	\$0.00	\$5,940.88	\$0.00	\$113,687.38	\$0.00
12	\$110,978.90	\$0.00	\$6,119.11	\$0.00	\$117,098.00	\$0.00
13	\$114,308.26	\$0.00	\$6,302.68	\$0.00	\$120,610.94	\$0.00
14	\$117,737.51	\$0.00	\$6,491.76	\$0.00	\$124,229.27	\$0.00
15	\$115,361.20	\$0.00	\$6,686.51	\$0.00	\$122,047.71	\$0.00
16	\$718.62	\$0.00	\$22.73	\$0.00	\$741.34	\$0.00
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$1,421,585.81	\$0.00	\$83,830.40	\$0.00	\$1,505,416.21	\$0.00

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)									
Year	Cumulative Electric					Cumulative Gas			
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total	
1	\$52,653.35	\$24,880.02	\$4,897.86	\$0.00	\$82,431.24	\$0.00	\$0.00	\$0.00	
2	\$54,458.81	\$24,880.02	\$5,044.80	\$0.00	\$84,383.63	\$0.00	\$0.00	\$0.00	
3	\$58,434.29	\$24,880.02	\$5,196.14	\$0.00	\$88,510.45	\$0.00	\$0.00	\$0.00	
4	\$54,803.86	\$22,546.40	\$4,852.06	\$0.00	\$82,202.33	\$0.00	\$0.00	\$0.00	
5	\$56,000.80	\$22,546.40	\$4,997.62	\$0.00	\$83,544.83	\$0.00	\$0.00	\$0.00	
6	\$58,761.74	\$22,546.40	\$5,147.55	\$0.00	\$86,455.70	\$0.00	\$0.00	\$0.00	
7	\$62,320.64	\$22,546.40	\$5,301.98	\$0.00	\$90,169.02	\$0.00	\$0.00	\$0.00	
8	\$66,677.50	\$22,546.40	\$5,461.04	\$0.00	\$94,684.94	\$0.00	\$0.00	\$0.00	
9	\$70,300.70	\$22,546.40	\$5,599.85	\$0.00	\$98,446.95	\$0.00	\$0.00	\$0.00	
10	\$74,524.78	\$22,546.40	\$5,767.84	\$0.00	\$102,839.02	\$0.00	\$0.00	\$0.00	
11	\$76,760.52	\$22,546.40	\$5,940.88	\$0.00	\$105,247.80	\$0.00	\$0.00	\$0.00	
12	\$79,063.33	\$22,546.40	\$6,119.11	\$0.00	\$107,728.84	\$0.00	\$0.00	\$0.00	
13	\$81,435.23	\$22,546.40	\$6,302.68	\$0.00	\$110,284.32	\$0.00	\$0.00	\$0.00	
14	\$83,878.29	\$22,546.40	\$6,491.76	\$0.00	\$112,916.45	\$0.00	\$0.00	\$0.00	
15	\$82,161.54	\$22,546.40	\$6,686.51	\$0.00	\$111,394.46	\$0.00	\$0.00	\$0.00	
16	\$511.79	\$74.40	\$22.73	\$0.00	\$608.91	\$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	\$1,012,747.19	\$345,271.31	\$83,830.40	\$0.00	\$1,441,848.89	\$0.00	\$0.00	\$0.00	

Discount		7.09%				
Energy	Capacity	T&D	Ancillary	Total		
1	\$52,653.35	\$24,880.02	\$4,897.86	\$0.00	\$82,431.24	
2	\$50,853.31	\$23,232.82	\$4,710.80	\$0.00	\$78,796.93	
3	\$50,953.02	\$21,694.66	\$4,530.89	\$0.00	\$77,178.57	
4	\$44,623.58	\$18,358.22	\$3,950.75	\$0.00	\$66,932.55	
5	\$42,579.31	\$17,142.79	\$3,799.86	\$0.00	\$63,521.96	
6	\$41,720.56	\$16,007.84	\$3,654.74	\$0.00	\$61,383.13	
7	\$41,317.92	\$14,948.02	\$3,515.15	\$0.00	\$59,781.09	
8	\$41,279.73	\$13,958.37	\$3,380.90	\$0.00	\$58,619.01	
9	\$40,641.37	\$13,034.25	\$3,237.31	\$0.00	\$56,912.93	
10	\$40,230.96	\$12,171.30	\$3,113.67	\$0.00	\$55,515.94	
11	\$38,694.45	\$11,365.49	\$2,994.76	\$0.00	\$53,054.70	
12	\$37,216.63	\$10,613.02	\$2,880.38	\$0.00	\$50,710.03	
13	\$35,795.24	\$9,910.38	\$2,770.37	\$0.00	\$48,475.99	
14	\$34,428.15	\$9,254.25	\$2,664.57	\$0.00	\$46,346.96	
15	\$31,490.80	\$8,641.57	\$2,562.80	\$0.00	\$42,695.17	
16	\$183.17	\$26.63	\$8.13	\$0.00	\$217.93	
17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals	\$624,661.54	\$225,239.63	\$52,672.95	\$0.00	\$902,574.13	
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	8.52	6.13	9.64	10.15	9.30	24.58
TRC Test	1.87	1.34	2.11	2.23	2.04	5.39
RIM Test	0.93	0.68	1.05	1.10	1.01	2.63
RIM (Net Fuel)	1.00	0.74	1.14	1.20	1.10	2.84
Societal Test	2.44	1.77	2.79	2.94	2.69	7.11
Participant Test	2.05	2.01	2.05	2.05	2.05	2.09

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$3,154,111.62	\$370,418.13	\$2,783,693.49	8.52	Utility (PAC) Test
\$3,154,111.62	\$1,689,076.80	\$1,465,034.82	1.87	TRC Test
\$3,154,111.62	\$3,406,018.96	(\$251,907.34)	0.93	RIM Test
\$3,154,111.62	\$3,140,951.38	\$13,160.24	1.00	RIM (Net Fuel) Test
\$4,126,243.37	\$1,689,076.80	\$2,437,166.57	2.44	Societal Test
\$3,353,409.46	\$1,636,467.30	\$1,716,942.16	2.05	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$2,319,726.30	\$2,085,091.28	\$3,386,389.36	\$3,577,594.57	\$3,261,110.09	\$8,920,782.61
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$650,386.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72
Avoided Electric 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	\$3,154,111.62	\$2,269,090.00	\$3,570,388.08	\$3,761,593.30	\$3,445,108.81	\$9,104,781.33
Administration Costs	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75
Implementation / Participation Costs	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63
Total	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	8.52	6.13	9.64	10.15	9.30	24.58

Participants	kWh	Summer kW	Winter kW	
522	5,508,050	728.48	622.97	Generator
	5,050,292	667.93	571.20	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$7,832.75	\$44,776.75	\$0.00	\$317,808.63	\$370,418.13

TRC Test						
Avoided Electric Production	\$2,319,726.30	\$2,085,091.28	\$3,386,389.36	\$3,577,594.57	\$3,261,110.09	\$8,920,782.61
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$650,386.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72
Avoided Electric 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	\$3,154,111.62	\$2,269,090.00	\$3,570,388.08	\$3,761,593.30	\$3,445,108.81	\$9,104,781.33
Administration Costs	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75
Implementation / Participation Costs	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63
Total	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30
Participant or Unit 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	1.87	1.34	2.11	2.23	2.04	5.39

RIM Test						
Avoided Electric Production	\$2,319,726.30	\$2,085,091.28	\$3,386,389.36	\$3,577,594.57	\$3,261,110.09	\$8,920,782.61
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$650,386.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72	\$183,998.72
Avoided Electric 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	\$3,154,111.62	\$2,269,090.00	\$3,570,388.08	\$3,761,593.30	\$3,445,108.81	\$9,104,781.33
Administration Costs	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75
Implementation / Participation Costs	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63
Total	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13	\$370,418.13
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$3,035,600.83	\$2,964,554.33	\$3,035,600.83	\$3,035,600.83	\$3,035,600.83	\$3,094,928.48
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,035,600.83	\$2,964,554.33	\$3,035,600.83	\$3,035,600.83	\$3,035,600.83	\$3,094,928.48
Electric Lost Revenue (Net Fuel)	\$2,770,533.25	\$2,694,604.57	\$2,770,533.25	\$2,770,533.25	\$2,770,533.25	\$2,835,885.93
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$2,770,533.25	\$2,694,604.57	\$2,770,533.25	\$2,770,533.25	\$2,770,533.25	\$2,835,885.93
Test Results	0.93	0.68	1.05	1.10	1.01	2.63
Test Results	1.00	0.74	1.14	1.20	1.10	2.84

Societal Test						
Avoided Electric Production	\$3,057,684.89	\$2,748,327.78	\$4,463,900.71	\$4,715,995.95	\$4,298,839.97	#####
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$826,045.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$242,513.44	\$242,513.44	\$242,513.44	\$242,513.44	\$242,513.44	\$242,513.44
Avoided Electric 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	\$4,126,243.37	\$2,990,841.22	\$4,706,414.15	\$4,958,509.39	\$4,541,353.41	#####
Administration Costs	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75	\$7,832.75
Implementation / Participation Costs	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75	\$44,776.75
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50	\$52,609.50
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30
Participant or Unit 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	2.44	1.77	2.79	2.94	2.69	7.11

Participant Test						
Incentives	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63	\$317,808.63
Participant or Unit Costs (Gross)	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30	\$1,636,467.30
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$3,035,600.83	\$2,964,554.33	\$3,035,600.83	\$3,035,600.83	\$3,035,600.83	\$3,094,928.48
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,035,600.83	\$2,964,554.33	\$3,035,600.83	\$3,035,600.83	\$3,035,600.83	\$3,094,928.48
Test Results	2.05	2.01	2.05	2.05	2.05	2.09

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kW (Discounted)	20,486	20,486	20,486	20,486	20,486	20,486
kWh (Discounted)	82,458,630	80,255,582	82,458,630	82,458,630	82,458,630	84,301,326
CCF (Discounted)	20,486	20,486	20,486	20,486	20,486	20,486
kWh (Undiscounted)	82,458,630	80,255,582	82,458,630	82,458,630	82,458,630	84,301,326
CCF (Undiscounted)	-	-	-	-	-	-

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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	522	0	522	0	522	522	\$1,636,467.30	\$0.00	\$1,636,467.30	\$1,636,467.30	\$0.00
2	0	0	522	0	522	522	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	522	0	522	522	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	260	0	260	260	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	260	0	260	260	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	258	0	258	258	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	258	0	258	258	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	258	0	258	258	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	237	0	237	237	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	237	0	237	237	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	237	0	237	237	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	187	0	187	187	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	187	0	187	187	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	124	0	124	124	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	120	0	120	120	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	53	0	53	53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	25	0	25	25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	25	0	25	25	\$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	522	0	4,342	0	4,342	4,342	\$1,636,467	\$0	\$1,636,467	\$1,636,467	\$0	\$1,636,467

Impacts and Savings (Losses Included)																	
Year	Electric Impacts/Savings																
	Per Participant								Cumulative								
	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	0.976	0.976	1.396	1.396	1.193	1.193	10,551.82	10,551.82	510	510	728	728	623	623	5,508,050	5,508,050	
2	0.976	0.976	1.396	1.396	1.193	1.193	10,551.82	10,551.82	510	510	728	728	623	623	5,508,050	5,508,050	
3	0.976	0.976	1.396	1.396	1.193	1.193	10,551.82	10,551.82	510	510	728	728	623	623	5,508,050	5,508,050	
4	1.769	1.769	2.667	2.667	2.261	2.261	20,429.06	20,429.06	460	460	693	693	588	588	5,311,554	5,311,554	
5	1.769	1.769	2.667	2.667	2.261	2.261	20,429.06	20,429.06	460	460	693	693	588	588	5,311,554	5,311,554	
6	1.781	1.781	2.687	2.687	2.278	2.278	20,573.78	20,573.78	460	460	693	693	588	588	5,308,036	5,308,036	
7	1.781	1.781	2.687	2.687	2.278	2.278	20,573.78	20,573.78	460	460	693	693	588	588	5,308,036	5,308,036	
8	1.781	1.781	2.687	2.687	2.278	2.278	20,573.78	20,573.78	460	460	693	693	588	588	5,308,036	5,308,036	
9	1.932	1.932	2.924	2.924	2.474	2.474	22,354.59	22,354.59	458	458	693	693	586	586	5,298,037	5,298,037	
10	1.932	1.932	2.924	2.924	2.474	2.474	22,354.59	22,354.59	458	458	693	693	586	586	5,298,037	5,298,037	
11	1.932	1.932	2.924	2.924	2.474	2.474	22,354.59	22,354.59	458	458	693	693	586	586	5,298,037	5,298,037	
12	2.444	2.444	3.702	3.702	3.133	3.133	28,313.58	28,313.58	457	457	692	692	586	586	5,294,639	5,294,639	
13	2.444	2.444	3.702	3.702	3.133	3.133	28,313.58	28,313.58	457	457	692	692	586	586	5,294,639	5,294,639	
14	3.682	3.682	5.580	5.580	4.721	4.721	42,670.89	42,670.89	457	457	692	692	585	585	5,291,190	5,291,190	
15	3.684	3.684	5.766	5.766	4.878	4.878	43,497.91	43,497.91	442	442	692	692	585	585	5,219,749	5,219,749	
16	1.048	1.048	0.934	0.934	3.184	3.184	9,244.37	9,244.37	56	56	592	592	169	169	489,952	489,952	
17	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
18	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
19	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
20	2.126	2.126	1.914	1.914	6.683	6.683	19,029.84	19,029.84	53	53	48	48	167	167	475,746	475,746	
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							429,458	429,458							82,458,630	82,458,630	

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Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Net Free/Drop-Out Electric	Net Fuel Net Free/Drop-Out Gas	Net Fuel Net Free/Drop-Out Total
1	\$609.58	\$0.00	\$609.58	\$318,201.95	\$0.00	\$318,201.95	\$285,710.84	\$0.00	\$285,710.84
2	\$609.58	\$0.00	\$609.58	\$318,201.95	\$0.00	\$318,201.95	\$285,710.84	\$0.00	\$285,710.84
3	\$609.58	\$0.00	\$609.58	\$318,201.95	\$0.00	\$318,201.95	\$285,710.84	\$0.00	\$285,710.84
4	\$1,169.21	\$0.00	\$1,169.21	\$303,994.55	\$0.00	\$303,994.55	\$274,928.74	\$0.00	\$274,928.74
5	\$1,169.21	\$0.00	\$1,169.21	\$303,994.55	\$0.00	\$303,994.55	\$274,928.74	\$0.00	\$274,928.74
6	\$1,177.30	\$0.00	\$1,177.30	\$303,743.73	\$0.00	\$303,743.73	\$274,677.92	\$0.00	\$274,677.92
7	\$1,177.30	\$0.00	\$1,177.30	\$303,743.73	\$0.00	\$303,743.73	\$274,677.92	\$0.00	\$274,677.92
8	\$1,177.30	\$0.00	\$1,177.30	\$303,743.73	\$0.00	\$303,743.73	\$274,677.92	\$0.00	\$274,677.92
9	\$1,278.80	\$0.00	\$1,278.80	\$303,076.36	\$0.00	\$303,076.36	\$284,010.54	\$0.00	\$284,010.54
10	\$1,278.80	\$0.00	\$1,278.80	\$303,076.36	\$0.00	\$303,076.36	\$284,010.54	\$0.00	\$284,010.54
11	\$1,278.80	\$0.00	\$1,278.80	\$303,076.36	\$0.00	\$303,076.36	\$284,010.54	\$0.00	\$284,010.54
12	\$1,619.36	\$0.00	\$1,619.36	\$302,819.67	\$0.00	\$302,819.67	\$283,753.85	\$0.00	\$283,753.85
13	\$1,619.36	\$0.00	\$1,619.36	\$302,819.67	\$0.00	\$302,819.67	\$283,753.85	\$0.00	\$283,753.85
14	\$2,440.11	\$0.00	\$2,440.11	\$302,573.28	\$0.00	\$302,573.28	\$283,507.47	\$0.00	\$283,507.47
15	\$2,482.54	\$0.00	\$2,482.54	\$297,905.20	\$0.00	\$297,905.20	\$278,839.39	\$0.00	\$278,839.39
16	\$656.58	\$0.00	\$656.58	\$34,798.80	\$0.00	\$34,798.80	\$15,732.99	\$0.00	\$15,732.99
17	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
18	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
19	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
20	\$1,354.89	\$0.00	\$1,354.89	\$33,872.31	\$0.00	\$33,872.31	\$33,872.31	\$0.00	\$33,872.31
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	\$25,772.99	\$0.00	\$25,772.99	\$4,759,461.11	\$0.00	\$4,759,461.11	\$4,364,132.18	\$0.00	\$4,364,132.18

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$7,832.75	\$44,776.75	\$317,808.63	\$0.00	\$370,418.13	\$274.09	\$274.09	\$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	\$7,832.75	\$44,776.75	\$317,808.63	\$0.00	\$370,418.13	\$274.09	\$274.09	\$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	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$268,589.41	\$0.00	\$15,696.36	\$0.00	\$284,285.76	\$0.00	\$0.00	\$0.00
2	\$277,799.20	\$0.00	\$16,167.25	\$0.00	\$293,966.44	\$0.00	\$0.00	\$0.00
3	\$298,078.45	\$0.00	\$16,652.26	\$0.00	\$314,730.71	\$0.00	\$0.00	\$0.00
4	\$293,065.15	\$0.00	\$16,441.03	\$0.00	\$309,506.18	\$0.00	\$0.00	\$0.00
5	\$299,465.82	\$0.00	\$16,934.26	\$0.00	\$316,400.08	\$0.00	\$0.00	\$0.00
6	\$314,006.66	\$0.00	\$17,439.95	\$0.00	\$331,446.61	\$0.00	\$0.00	\$0.00
7	\$333,024.44	\$0.00	\$17,963.15	\$0.00	\$350,987.60	\$0.00	\$0.00	\$0.00
8	\$356,306.31	\$0.00	\$18,502.05	\$0.00	\$374,808.35	\$0.00	\$0.00	\$0.00
9	\$376,823.65	\$0.00	\$19,026.47	\$0.00	\$395,850.11	\$0.00	\$0.00	\$0.00
10	\$399,465.41	\$0.00	\$19,597.26	\$0.00	\$419,062.67	\$0.00	\$0.00	\$0.00
11	\$411,449.37	\$0.00	\$20,185.18	\$0.00	\$431,634.55	\$0.00	\$0.00	\$0.00
12	\$423,501.21	\$0.00	\$20,775.55	\$0.00	\$444,276.76	\$0.00	\$0.00	\$0.00
13	\$436,206.25	\$0.00	\$21,398.81	\$0.00	\$457,605.07	\$0.00	\$0.00	\$0.00
14	\$448,978.31	\$0.00	\$22,029.58	\$0.00	\$471,007.89	\$0.00	\$0.00	\$0.00
15	\$456,294.99	\$0.00	\$22,690.47	\$0.00	\$478,985.46	\$0.00	\$0.00	\$0.00
16	\$47,274.17	\$0.00	\$4,862.20	\$0.00	\$52,136.37	\$0.00	\$0.00	\$0.00
17	\$47,344.35	\$0.00	\$4,958.11	\$0.00	\$52,302.46	\$0.00	\$0.00	\$0.00
18	\$48,764.68	\$0.00	\$5,106.86	\$0.00	\$53,871.54	\$0.00	\$0.00	\$0.00
19	\$50,227.62	\$0.00	\$5,260.06	\$0.00	\$55,487.68	\$0.00	\$0.00	\$0.00
20	\$51,734.45	\$0.00	\$5,417.86	\$0.00	\$57,152.32	\$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	\$5,638,399.91	\$0.00	\$307,104.72	\$0.00	\$5,945,504.63	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$258,645.40	\$0.00	\$15,696.36	\$0.00	\$274,341.75
2	\$267,514.21	\$0.00	\$16,167.25	\$0.00	\$283,681.46
3	\$287,042.67	\$0.00	\$16,652.26	\$0.00	\$303,694.93
4	\$282,209.85	\$0.00	\$16,441.03	\$0.00	\$298,650.88
5	\$288,373.44	\$0.00	\$16,934.26	\$0.00	\$305,307.70
6	\$302,375.28	\$0.00	\$17,439.95	\$0.00	\$319,815.23
7	\$320,688.61	\$0.00	\$17,963.15	\$0.00	\$338,651.76
8	\$343,108.07	\$0.00	\$18,502.05	\$0.00	\$361,610.12
9	\$362,866.40	\$0.00	\$19,026.47	\$0.00	\$381,892.86
10	\$384,669.53	\$0.00	\$19,597.26	\$0.00	\$404,266.79
11	\$396,209.61	\$0.00	\$20,185.18	\$0.00	\$416,394.79
12	\$407,814.55	\$0.00	\$20,775.55	\$0.00	\$428,590.10
13	\$420,048.99	\$0.00	\$21,398.81	\$0.00	\$441,447.80
14	\$432,347.41	\$0.00	\$22,029.58	\$0.00	\$454,376.99
15	\$439,409.40	\$0.00	\$22,690.47	\$0.00	\$462,099.87
16	\$45,605.03	\$0.00	\$4,862.20	\$0.00	\$50,467.22
17	\$45,674.24	\$0.00	\$4,958.11	\$0.00	\$50,632.35
18	\$47,044.47	\$0.00	\$5,106.86	\$0.00	\$52,151.32
19	\$48,455.80	\$0.00	\$5,260.06	\$0.00	\$53,715.86
20	\$49,909.48	\$0.00	\$5,417.86	\$0.00	\$55,327.34
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$5,430,012.42	\$0.00	\$307,104.72	\$0.00	\$5,737,117.14

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$184,001.62	\$68,709.80	\$15,696.36	\$0.00	\$268,407.77	\$0.00	\$0.00	\$0.00
2	\$190,310.94	\$68,709.80	\$16,167.25	\$0.00	\$275,187.99	\$0.00	\$0.00	\$0.00
3	\$204,203.58	\$68,709.80	\$16,652.26	\$0.00	\$289,565.64	\$0.00	\$0.00	\$0.00
4	\$200,778.67	\$65,392.11	\$16,441.03	\$0.00	\$282,611.81	\$0.00	\$0.00	\$0.00
5	\$205,163.76	\$65,392.11	\$16,934.26	\$0.00	\$287,490.13	\$0.00	\$0.00	\$0.00
6	\$215,126.43	\$65,381.83	\$17,439.95	\$0.00	\$297,948.22	\$0.00	\$0.00	\$0.00
7	\$228,155.55	\$65,381.83	\$17,963.15	\$0.00	\$311,500.53	\$0.00	\$0.00	\$0.00
8	\$244,105.98	\$65,381.83	\$18,502.05	\$0.00	\$327,989.86	\$0.00	\$0.00	\$0.00
9	\$258,161.67	\$65,359.20	\$19,026.47	\$0.00	\$342,547.33	\$0.00	\$0.00	\$0.00
10	\$273,673.53	\$65,359.20	\$19,597.26	\$0.00	\$358,629.99	\$0.00	\$0.00	\$0.00
11	\$281,883.73	\$65,359.20	\$20,185.18	\$0.00	\$367,428.11	\$0.00	\$0.00	\$0.00
12	\$290,141.43	\$65,303.24	\$20,775.55	\$0.00	\$376,220.21	\$0.00	\$0.00	\$0.00
13	\$298,845.67	\$65,303.24	\$21,398.81	\$0.00	\$385,547.72	\$0.00	\$0.00	\$0.00
14	\$307,596.89	\$65,264.36	\$22,029.58	\$0.00	\$394,890.83	\$0.00	\$0.00	\$0.00
15	\$312,591.70	\$65,264.36	\$22,690.47	\$0.00	\$400,546.53	\$0.00	\$0.00	\$0.00
16	\$32,230.60	\$4,671.26	\$4,862.20	\$0.00	\$41,764.06	\$0.00	\$0.00	\$0.00
17	\$32,275.53	\$4,512.51	\$4,958.11	\$0.00	\$41,746.15	\$0.00	\$0.00	\$0.00
18	\$33,243.79	\$4,512.51	\$5,106.86	\$0.00	\$42,863.15	\$0.00	\$0.00	\$0.00
19	\$34,241.11	\$4,512.51	\$5,260.06	\$0.00	\$44,013.67	\$0.00	\$0.00	\$0.00
20	\$35,268.34	\$4,512.51	\$5,417.86	\$0.00	\$45,198.71	\$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	\$3,862,000.51	\$1,012,993.19	\$307,104.72	\$0.00	\$5,182,098.42	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$184,001.62	\$68,709.80	\$15,696.36	\$0.00	\$268,407.77
2	\$177,711.22	\$64,160.80	\$15,096.88	\$0.00	\$256,968.89
3	\$178,059.65	\$59,912.97	\$14,520.30	\$0.00	\$252,492.91
4	\$163,482.33	\$53,244.97	\$13,386.97	\$0.00	\$230,114.27
5	\$155,992.95	\$49,719.83	\$12,875.69	\$0.00	\$218,588.48
6	\$152,738.73	\$46,420.79	\$12,382.28	\$0.00	\$211,541.80
7	\$151,264.67	\$43,347.45	\$11,909.38	\$0.00	\$206,521.50
8	\$151,124.89	\$40,477.59	\$11,454.53	\$0.00	\$203,057.01
9	\$149,245.21	\$37,784.65	\$10,999.35	\$0.00	\$198,029.21
10	\$147,738.10	\$35,283.08	\$10,579.26	\$0.00	\$193,600.44
11	\$142,095.66	\$32,947.13	\$10,175.21	\$0.00	\$185,218.00
12	\$136,575.14	\$30,739.49	\$9,779.45	\$0.00	\$177,094.07
13	\$131,359.03	\$28,704.35	\$9,405.95	\$0.00	\$169,469.33
14	\$126,254.25	\$26,787.99	\$9,042.12	\$0.00	\$162,084.36
15	\$119,809.87	\$25,014.46	\$8,696.78	\$0.00	\$153,521.11
16	\$11,535.45	\$1,671.86	\$1,740.20	\$0.00	\$14,947.51
17	\$10,786.75	\$1,508.12	\$1,657.04	\$0.00	\$13,951.91
18	\$10,374.78	\$1,408.27	\$1,593.76	\$0.00	\$13,376.81
19	\$9,978.55	\$1,315.03	\$1,532.89	\$0.00	\$12,826.47
20	\$9,597.44	\$1,227.97	\$1,474.34	\$0.00	\$12,299.76
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,319,726.30	\$650,386.60	\$183,998.72	\$0.00	\$3,154,111.62
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	0.00	0.00	0.00	0.00	0.00	0.00
TRC Test	0.00	0.00	0.00	0.00	0.00	0.00
RIM Test	0.00	0.00	0.00	0.00	0.00	0.00
RIM (Net Fuel)	0.00	0.00	0.00	0.00	0.00	0.00
Societal Test	0.00	0.00	0.00	0.00	0.00	0.00
Participant Test	0.00	0.00	0.00	0.00	0.00	0.00

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$0.00	\$14,787.70	(\$14,787.70)	inf.	Utility (PAC) Test
\$0.00	\$14,787.70	(\$14,787.70)	inf.	TRC Test
\$0.00	\$14,787.70	(\$14,787.70)	inf.	RIM Test
\$0.00	\$14,787.70	(\$14,787.70)	inf.	RIM (Net Fuel) Test
\$0.00	\$14,787.70	(\$14,787.70)	inf.	Societal Test
\$0.00	\$0.00	\$0.00	inf.	Participant Test

Present Values (PVs) of Costs and Benefits Per Test						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02
Implementation / Participation Costs	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
TRC Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02
Implementation / Participation Costs	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Tax Credits (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
RIM Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02
Implementation / Participation Costs	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Gas Lost Revenue	\$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
Electric Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
Societal Test						
Avoided Electric Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Production Adders	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric T&D	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Ancillary	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Production	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Gas Capacity	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Administration Costs	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02	\$5,375.02
Implementation / Participation Costs	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68	\$9,412.68
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70	\$14,787.70
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Environmental Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Benefits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	0.00	0.00	0.00	0.00	0.00	0.00
Participant Test						
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Participants	kWh	Summer kW	Winter kW	
0	0	0.00	0.00	Generator
	0	0.00	0.00	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$5,375.02	\$9,412.68	\$0.00	\$0.00	\$14,787.70

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

Cost / Benefit Tests For Normal Weather						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Utility (PAC/UCT) Test	7.08	5.14	8.14	8.58	7.85	20.92
TRC Test	1.79	1.30	2.06	2.17	1.99	5.29
RIM Test	0.82	0.61	0.95	1.00	0.91	2.39
RIM (Net Fuel) Test	0.87	0.65	1.00	1.06	0.97	2.53
Societal Test	2.36	1.73	2.74	2.88	2.64	7.04
Participant Test	2.42	2.36	2.42	2.42	2.42	2.46

Present Values (PVs) of Costs and Benefits Per Test

Utility (PAC/UCT) Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$2,902,192.45	\$2,600,279.08	\$4,242,543.09	\$4,483,414.46	\$4,087,594.09	\$11,241,403.63
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$761,343.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84
Avoided Electric 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	\$3,877,233.73	\$2,813,976.92	\$4,456,240.93	\$4,697,112.30	\$4,301,291.93	\$11,455,101.47
Administration Costs	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99
Implementation / Participation Costs	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54
Total	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Test Results	7.08	5.14	8.14	8.58	7.85	20.92

TRC Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$2,902,192.45	\$2,600,279.08	\$4,242,543.09	\$4,483,414.46	\$4,087,594.09	\$11,241,403.63
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$761,343.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84
Avoided Electric 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	\$3,877,233.73	\$2,813,976.92	\$4,456,240.93	\$4,697,112.30	\$4,301,291.93	\$11,455,101.47
Administration Costs	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99
Implementation / Participation Costs	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22
Participant or Unit 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	1.79	1.30	2.06	2.17	1.99	5.29

RIM Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$2,902,192.45	\$2,600,279.08	\$4,242,543.09	\$4,483,414.46	\$4,087,594.09	\$11,241,403.63
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$761,343.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84	\$213,697.84
Avoided Electric 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	\$3,877,233.73	\$2,813,976.92	\$4,456,240.93	\$4,697,112.30	\$4,301,291.93	\$11,455,101.47
Administration Costs	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99
Implementation / Participation Costs	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Incentives	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54
Total	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06	\$547,680.06
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Lost Revenue	\$4,166,054.08	\$4,063,548.24	\$4,166,054.08	\$4,166,054.08	\$4,166,054.08	\$4,244,723.54
Gas Lost Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,166,054.08	\$4,063,548.24	\$4,166,054.08	\$4,166,054.08	\$4,166,054.08	\$4,244,723.54
Electric Lost Revenue (Net Fuel)	\$3,900,986.49	\$3,793,598.48	\$3,900,986.49	\$3,900,986.49	\$3,900,986.49	\$3,985,680.98
Gas Lost Revenue (Net Fuel)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$3,900,986.49	\$3,793,598.48	\$3,900,986.49	\$3,900,986.49	\$3,900,986.49	\$3,985,680.98
Test Results	0.82	0.61	0.95	1.00	0.91	2.39
	0.87	0.65	1.00	1.06	0.97	2.53

Societal Test	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
Avoided Electric Production	\$3,858,923.50	\$3,457,018.27	\$5,641,622.73	\$5,962,038.60	\$5,435,748.88	\$14,953,822.98
Avoided Electric Production Address	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric Capacity	\$967,810.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Avoided Electric TRD	\$282,019.94	\$282,019.94	\$282,019.94	\$282,019.94	\$282,019.94	\$282,019.94
Avoided Electric 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	\$5,108,754.30	\$3,739,038.21	\$5,923,642.67	\$6,244,058.55	\$5,717,768.82	\$15,235,842.92
Administration Costs	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99	\$58,999.99
Implementation / Participation Costs	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53	\$57,779.53
Other / Miscellaneous Costs	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52	\$116,779.52
Reduced Arrears	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Participant or Unit Costs (Net)	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22
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	2.36	1.73	2.74	2.88	2.64	7.04
Participant Test						
Incentives	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54	\$430,900.54
Participant or Unit Costs (Gross)	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22	\$2,048,353.22
Participant or Unit Tax Credits (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Electric Bill Savings (Gross)	\$4,525,676.71	\$4,413,166.23	\$4,525,676.71	\$4,525,676.71	\$4,525,676.71	\$4,610,496.50
Gas Bill Savings (Gross)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	\$4,525,676.71	\$4,413,166.23	\$4,525,676.71	\$4,525,676.71	\$4,525,676.71	\$4,610,496.50
Test Results	2.42	2.36	2.42	2.42	2.42	2.46

Present Values (PVs) of Impacts						
	Cost Based	Market-Based				
		Minimum	Today	Alternate	Option	Maximum
kWh (Discounted)	23,180	23,180	23,180	23,180	23,180	23,180
kWh (Discounted) CCF (Discounted)	102,531,996	99,780,458	102,531,996	102,531,996	102,531,996	104,717,178
kWh (Undiscounted)	23,180	23,180	23,180	23,180	23,180	23,180
kWh (Undiscounted) CCF (Undiscounted)	102,531,996	99,780,458	102,531,996	102,531,996	102,531,996	104,717,178

NET BENEFITS				
Total Benefits	Total Costs	Net Benefits	Benefit/Cost Ratio	
\$3,877,233.73	\$547,680.06	\$3,329,553.67	7.08	Utility (PAC) Test
\$3,877,233.73	\$2,165,132.74	\$1,712,100.99	1.79	TRC Test
\$3,877,233.73	\$4,713,734.14	(\$836,500.41)	0.82	RIM Test
\$3,877,233.73	\$4,448,666.55	(\$571,432.82)	0.87	RIM (Net Fuel) Test
\$5,108,754.30	\$2,165,132.74	\$2,943,621.56	2.36	Societal Test
\$4,956,577.25	\$2,048,353.22	\$2,908,224.03	2.42	Participant Test

Participants	kWh	Summer kW	Winter kW	
7108	6,646,954	965.23	669.85	Generator
	6,094,545	885.01	614.18	Meter

Loss Factor: 9.06%

Administration Costs	Implementation Costs	Other/Misc. Costs	Incentives	Total Costs
\$58,999.99	\$57,779.53	\$0.00	\$430,900.54	\$547,680.06

2023 South Dakota Status Report - All Programs

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	7108	0	7108	0	7108	7108	\$2,048,353.22	\$0.00	\$2,048,353.22	\$2,048,353.22	\$0.00
2	0	0	6232	0	6232	6232	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3	0	0	6232	0	6232	6232	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4	0	0	5970	0	5970	5970	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5	0	0	5970	0	5970	5970	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6	0	0	5968	0	5968	5968	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	0	0	5968	0	5968	5968	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8	0	0	5968	0	5968	5968	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	0	0	5947	0	5947	5947	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	0	0	5947	0	5947	5947	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11	0	0	5938	0	5938	5938	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12	0	0	5888	0	5888	5888	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13	0	0	5888	0	5888	5888	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14	0	0	5825	0	5825	5825	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15	0	0	5821	0	5821	5821	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	0	0	742	0	742	742	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17	0	0	714	0	714	714	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18	0	0	714	0	714	714	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19	0	0	667	0	667	667	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20	0	0	667	0	667	667	\$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	7,108	0	94,174	0	94,174	94,174	\$2,048,353	\$0	\$2,048,353	\$2,048,353	\$0	\$2,048,353

Impacts and Savings (Losses Included)																	
Year	Electric Impacts/Savings																
	Per Participant								Cumulative								
	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	0.141	0.141	0.136	0.136	0.094	0.094	935.14	935.14	1,003	1,003	965	965	670	670	6,646,954	6,646,954	
2	0.139	0.139	0.133	0.133	0.107	0.107	1,065.25	1,065.25	864	864	827	827	670	670	6,638,669	6,638,669	
3	0.139	0.139	0.133	0.133	0.107	0.107	1,065.25	1,065.25	864	864	827	827	670	670	6,638,669	6,638,669	
4	0.136	0.136	0.133	0.133	0.106	0.106	1,079.09	1,079.09	815	815	792	792	635	635	6,442,173	6,442,173	
5	0.136	0.136	0.133	0.133	0.106	0.106	1,079.09	1,079.09	815	815	792	792	635	635	6,442,173	6,442,173	
6	0.136	0.136	0.133	0.133	0.106	0.106	1,078.86	1,078.86	814	814	792	792	635	635	6,438,655	6,438,655	
7	0.136	0.136	0.133	0.133	0.106	0.106	1,078.86	1,078.86	814	814	792	792	635	635	6,438,655	6,438,655	
8	0.136	0.136	0.133	0.133	0.106	0.106	1,078.86	1,078.86	814	814	792	792	635	635	6,438,655	6,438,655	
9	0.137	0.137	0.133	0.133	0.106	0.106	1,080.99	1,080.99	813	813	791	791	633	633	6,428,656	6,428,656	
10	0.137	0.137	0.133	0.133	0.106	0.106	1,080.99	1,080.99	813	813	791	791	633	633	6,428,656	6,428,656	
11	0.137	0.137	0.133	0.133	0.107	0.107	1,080.83	1,080.83	812	812	791	791	633	633	6,417,944	6,417,944	
12	0.138	0.138	0.134	0.134	0.107	0.107	1,089.43	1,089.43	811	811	790	790	632	632	6,414,547	6,414,547	
13	0.138	0.138	0.134	0.134	0.107	0.107	1,089.43	1,089.43	811	811	790	790	632	632	6,414,547	6,414,547	
14	0.139	0.139	0.136	0.136	0.108	0.108	1,100.62	1,100.62	811	811	790	790	632	632	6,411,098	6,411,098	
15	0.137	0.137	0.136	0.136	0.109	0.109	1,089.10	1,089.10	796	796	790	790	632	632	6,339,656	6,339,656	
16	0.249	0.249	0.170	0.170	0.261	0.261	1,924.47	1,924.47	185	185	126	126	194	194	1,427,957	1,427,957	
17	0.256	0.256	0.174	0.174	0.269	0.269	1,980.04	1,980.04	182	182	125	125	192	192	1,413,752	1,413,752	
18	0.256	0.256	0.174	0.174	0.269	0.269	1,980.04	1,980.04	182	182	125	125	192	192	1,413,752	1,413,752	
19	0.165	0.165	0.089	0.089	0.288	0.288	972.14	972.14	110	110	59	59	192	192	648,415	648,415	
20	0.165	0.165	0.089	0.089	0.288	0.288	972.14	972.14	110	110	59	59	192	192	648,415	648,415	
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							23,901	23,901							102,531,996	102,531,996	

2023 South Dakota Status Report - All Programs

Lost Revenue Dollars									
Year	Lost Revenue per Participant			Cumulative Lost Revenue			Cumulative Lost Revenue (Net Fuel)		
	Electric	Gas	Total	Net Free/Drop-Out Electric	Net Free/Drop-Out Gas	Net Free/Drop-Out Total	Net Fuel Net Free/Drop-Out Electric	Net Fuel Net Free/Drop-Out Gas	Net Fuel Net Free/Drop-Out Total
1	\$59.88	\$0.00	\$59.88	\$425,656.68	\$0.00	\$425,656.68	\$393,165.57	\$0.00	\$393,165.57
2	\$68.16	\$0.00	\$68.16	\$424,800.65	\$0.00	\$424,800.65	\$392,309.54	\$0.00	\$392,309.54
3	\$68.16	\$0.00	\$68.16	\$424,800.65	\$0.00	\$424,800.65	\$392,309.54	\$0.00	\$392,309.54
4	\$68.78	\$0.00	\$68.78	\$410,593.25	\$0.00	\$410,593.25	\$381,527.44	\$0.00	\$381,527.44
5	\$68.78	\$0.00	\$68.78	\$410,593.25	\$0.00	\$410,593.25	\$381,527.44	\$0.00	\$381,527.44
6	\$68.76	\$0.00	\$68.76	\$410,342.44	\$0.00	\$410,342.44	\$381,276.62	\$0.00	\$381,276.62
7	\$68.76	\$0.00	\$68.76	\$410,342.44	\$0.00	\$410,342.44	\$381,276.62	\$0.00	\$381,276.62
8	\$68.76	\$0.00	\$68.76	\$410,342.44	\$0.00	\$410,342.44	\$381,276.62	\$0.00	\$381,276.62
9	\$68.89	\$0.00	\$68.89	\$409,675.06	\$0.00	\$409,675.06	\$390,609.24	\$0.00	\$390,609.24
10	\$68.89	\$0.00	\$68.89	\$409,675.06	\$0.00	\$409,675.06	\$390,609.24	\$0.00	\$390,609.24
11	\$68.82	\$0.00	\$68.82	\$408,665.17	\$0.00	\$408,665.17	\$389,599.35	\$0.00	\$389,599.35
12	\$69.36	\$0.00	\$69.36	\$408,408.48	\$0.00	\$408,408.48	\$389,342.67	\$0.00	\$389,342.67
13	\$69.36	\$0.00	\$69.36	\$408,408.48	\$0.00	\$408,408.48	\$389,342.67	\$0.00	\$389,342.67
14	\$70.07	\$0.00	\$70.07	\$408,162.10	\$0.00	\$408,162.10	\$389,096.28	\$0.00	\$389,096.28
15	\$69.32	\$0.00	\$69.32	\$403,494.02	\$0.00	\$403,494.02	\$384,428.20	\$0.00	\$384,428.20
16	\$166.09	\$0.00	\$166.09	\$123,237.25	\$0.00	\$123,237.25	\$104,171.44	\$0.00	\$104,171.44
17	\$171.30	\$0.00	\$171.30	\$122,310.76	\$0.00	\$122,310.76	\$122,310.76	\$0.00	\$122,310.76
18	\$171.30	\$0.00	\$171.30	\$122,310.76	\$0.00	\$122,310.76	\$122,310.76	\$0.00	\$122,310.76
19	\$75.19	\$0.00	\$75.19	\$50,152.14	\$0.00	\$50,152.14	\$50,152.14	\$0.00	\$50,152.14
20	\$75.19	\$0.00	\$75.19	\$50,152.14	\$0.00	\$50,152.14	\$50,152.14	\$0.00	\$50,152.14
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	\$1,683.82	\$0.00	\$1,683.82	\$6,652,123.21	\$0.00	\$6,652,123.21	\$6,256,794.28	\$0.00	\$6,256,794.28

Utility Program Costs											
Year	Overall Costs					Total Costs per kW, kWh, and CCF Saved (Losses Included)					
	Administration	Implementation	Incentives	Other	Total	\$/kW	\$/kW (net)	\$/kWh	\$/kWh (net)	\$/CCF	\$/CCF (net)
1	\$58,999.99	\$57,779.53	\$430,900.54	\$0.00	\$547,680.06	\$334.96	\$334.96	\$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	\$58,999.99	\$57,779.53	\$430,900.54	\$0.00	\$547,680.06	\$334.96	\$334.96	\$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	Adders/Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$328,348.02	\$0.00	\$20,327.36	\$0.00	\$348,675.38	\$0.00	\$0.00	\$0.00
2	\$339,137.34	\$0.00	\$18,304.47	\$0.00	\$357,441.82	\$0.00	\$0.00	\$0.00
3	\$363,894.26	\$0.00	\$18,853.61	\$0.00	\$382,747.87	\$0.00	\$0.00	\$0.00
4	\$360,210.58	\$0.00	\$18,708.41	\$0.00	\$378,918.99	\$0.00	\$0.00	\$0.00
5	\$368,077.73	\$0.00	\$19,269.67	\$0.00	\$387,347.39	\$0.00	\$0.00	\$0.00
6	\$386,001.26	\$0.00	\$19,845.42	\$0.00	\$405,846.68	\$0.00	\$0.00	\$0.00
7	\$409,379.39	\$0.00	\$20,440.78	\$0.00	\$429,820.17	\$0.00	\$0.00	\$0.00
8	\$437,999.25	\$0.00	\$21,054.01	\$0.00	\$459,053.26	\$0.00	\$0.00	\$0.00
9	\$463,385.32	\$0.00	\$21,654.99	\$0.00	\$485,040.31	\$0.00	\$0.00	\$0.00
10	\$491,228.21	\$0.00	\$22,304.64	\$0.00	\$513,532.85	\$0.00	\$0.00	\$0.00
11	\$505,069.64	\$0.00	\$22,959.93	\$0.00	\$528,029.57	\$0.00	\$0.00	\$0.00
12	\$519,930.09	\$0.00	\$23,633.54	\$0.00	\$543,563.63	\$0.00	\$0.00	\$0.00
13	\$535,528.00	\$0.00	\$24,342.55	\$0.00	\$559,870.54	\$0.00	\$0.00	\$0.00
14	\$551,279.71	\$0.00	\$25,061.63	\$0.00	\$576,341.33	\$0.00	\$0.00	\$0.00
15	\$561,665.43	\$0.00	\$25,813.47	\$0.00	\$587,478.90	\$0.00	\$0.00	\$0.00
16	\$138,177.38	\$0.00	\$7,463.65	\$0.00	\$145,641.03	\$0.00	\$0.00	\$0.00
17	\$140,974.66	\$0.00	\$7,637.61	\$0.00	\$148,612.27	\$0.00	\$0.00	\$0.00
18	\$145,203.90	\$0.00	\$7,866.74	\$0.00	\$153,070.64	\$0.00	\$0.00	\$0.00
19	\$68,512.81	\$0.00	\$6,050.85	\$0.00	\$74,563.66	\$0.00	\$0.00	\$0.00
20	\$70,568.19	\$0.00	\$6,232.38	\$0.00	\$76,800.57	\$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	\$7,184,571.17	\$0.00	\$357,825.70	\$0.00	\$7,542,396.87	\$0.00	\$0.00	\$0.00

Market-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included) for Option Value					
Year	Cumulative Electric				
	Energy	Adders/Capacity	T&D	Ancillary	Total
1	\$316,331.98	\$0.00	\$20,327.36	\$0.00	\$336,659.35
2	\$326,726.79	\$0.00	\$18,304.47	\$0.00	\$345,031.27
3	\$350,577.74	\$0.00	\$18,853.61	\$0.00	\$369,431.35
4	\$347,028.47	\$0.00	\$18,708.41	\$0.00	\$365,736.88
5	\$354,607.72	\$0.00	\$19,269.67	\$0.00	\$373,877.38
6	\$371,875.03	\$0.00	\$19,845.42	\$0.00	\$391,720.45
7	\$394,397.61	\$0.00	\$20,440.78	\$0.00	\$414,838.39
8	\$421,970.09	\$0.00	\$21,054.01	\$0.00	\$443,024.10
9	\$446,428.42	\$0.00	\$21,654.99	\$0.00	\$468,083.41
10	\$473,252.45	\$0.00	\$22,304.64	\$0.00	\$495,557.09
11	\$486,585.64	\$0.00	\$22,959.93	\$0.00	\$509,545.57
12	\$500,901.85	\$0.00	\$23,633.54	\$0.00	\$524,535.39
13	\$515,928.91	\$0.00	\$24,342.55	\$0.00	\$540,271.45
14	\$531,103.73	\$0.00	\$25,061.63	\$0.00	\$556,165.36
15	\$541,128.41	\$0.00	\$25,813.47	\$0.00	\$566,941.88
16	\$133,358.14	\$0.00	\$7,463.65	\$0.00	\$140,821.79
17	\$136,059.95	\$0.00	\$7,637.61	\$0.00	\$143,697.56
18	\$140,141.75	\$0.00	\$7,866.74	\$0.00	\$148,008.49
19	\$66,107.35	\$0.00	\$6,050.85	\$0.00	\$72,158.20
20	\$68,090.57	\$0.00	\$6,232.38	\$0.00	\$74,322.95
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$6,922,602.59	\$0.00	\$357,825.70	\$0.00	\$7,280,428.30

Cost-Based Avoided Costs (Net Free Riders/Drop-Out, Losses Included)								
Year	Cumulative Electric					Cumulative Gas		
	Energy	Capacity	T&D	Ancillary	Total	Production	Capacity	Total
1	\$224,656.52	\$91,040.17	\$20,327.36	\$0.00	\$336,024.05	\$0.00	\$0.00	\$0.00
2	\$232,041.10	\$78,003.56	\$18,304.47	\$0.00	\$328,349.13	\$0.00	\$0.00	\$0.00
3	\$248,980.03	\$78,003.56	\$18,853.61	\$0.00	\$345,837.19	\$0.00	\$0.00	\$0.00
4	\$246,459.70	\$74,685.87	\$18,708.41	\$0.00	\$339,853.98	\$0.00	\$0.00	\$0.00
5	\$251,842.48	\$74,685.87	\$19,269.67	\$0.00	\$345,798.01	\$0.00	\$0.00	\$0.00
6	\$264,106.49	\$74,675.59	\$19,845.42	\$0.00	\$358,627.51	\$0.00	\$0.00	\$0.00
7	\$280,102.08	\$74,675.59	\$20,440.78	\$0.00	\$375,218.46	\$0.00	\$0.00	\$0.00
8	\$299,684.12	\$74,675.59	\$21,054.01	\$0.00	\$395,413.72	\$0.00	\$0.00	\$0.00
9	\$317,052.14	\$74,652.96	\$21,654.99	\$0.00	\$413,360.09	\$0.00	\$0.00	\$0.00
10	\$336,102.49	\$74,652.96	\$22,304.64	\$0.00	\$433,060.08	\$0.00	\$0.00	\$0.00
11	\$345,576.38	\$74,609.73	\$22,959.93	\$0.00	\$443,146.04	\$0.00	\$0.00	\$0.00
12	\$355,744.86	\$74,553.77	\$23,633.54	\$0.00	\$453,932.17	\$0.00	\$0.00	\$0.00
13	\$366,417.20	\$74,553.77	\$24,342.55	\$0.00	\$465,313.52	\$0.00	\$0.00	\$0.00
14	\$377,195.57	\$74,514.88	\$25,061.63	\$0.00	\$476,772.08	\$0.00	\$0.00	\$0.00
15	\$384,278.34	\$74,514.88	\$25,813.47	\$0.00	\$484,606.70	\$0.00	\$0.00	\$0.00
16	\$94,074.75	\$11,907.66	\$7,463.65	\$0.00	\$113,446.06	\$0.00	\$0.00	\$0.00
17	\$95,975.01	\$11,748.91	\$7,637.61	\$0.00	\$115,361.52	\$0.00	\$0.00	\$0.00
18	\$98,854.26	\$11,748.91	\$7,866.74	\$0.00	\$118,469.90	\$0.00	\$0.00	\$0.00
19	\$46,681.06	\$5,601.65	\$6,050.85	\$0.00	\$58,333.56	\$0.00	\$0.00	\$0.00
20	\$48,081.49	\$5,601.65	\$6,232.38	\$0.00	\$59,915.52	\$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	\$4,913,906.09	\$1,189,107.52	\$357,825.70	\$0.00	\$6,460,839.31	\$0.00	\$0.00	\$0.00

Discount	7.09%				
	Energy	Capacity	T&D	Ancillary	Total
1	\$224,656.52	\$91,040.17	\$20,327.36	\$0.00	\$336,024.05
2	\$216,678.59	\$72,839.25	\$17,092.61	\$0.00	\$306,610.45
3	\$217,103.43	\$68,016.86	\$16,439.80	\$0.00	\$301,560.09
4	\$200,677.72	\$60,812.33	\$15,233.17	\$0.00	\$276,723.22
5	\$191,484.36	\$56,786.19	\$14,651.38	\$0.00	\$262,921.93
6	\$187,514.34	\$53,019.31	\$14,090.15	\$0.00	\$254,623.81
7	\$185,704.67	\$49,509.11	\$13,552.02	\$0.00	\$248,765.80
8	\$185,533.06	\$46,231.31	\$13,034.44	\$0.00	\$244,798.81
9	\$183,290.24	\$43,157.44	\$12,518.91	\$0.00	\$238,966.60
10	\$181,439.34	\$40,300.16	\$12,040.79	\$0.00	\$233,780.29
11	\$174,202.69	\$37,610.26	\$11,573.94	\$0.00	\$223,386.89
12	\$167,455.93	\$35,093.89	\$11,124.76	\$0.00	\$213,674.58
13	\$161,060.42	\$32,770.46	\$10,699.88	\$0.00	\$204,530.77
14	\$154,821.28	\$30,584.90	\$10,286.63	\$0.00	\$195,692.81
15	\$147,285.86	\$28,560.00	\$9,893.77	\$0.00	\$185,739.62
16	\$33,669.70	\$4,261.80	\$2,671.27	\$0.00	\$40,602.77
17	\$32,075.65	\$3,926.58	\$2,552.55	\$0.00	\$38,554.78
18	\$30,850.61	\$3,666.62	\$2,455.07	\$0.00	\$36,972.29
19	\$13,603.80	\$1,632.43	\$1,763.34	\$0.00	\$16,999.57
20	\$13,084.24	\$1,524.36	\$1,695.99	\$0.00	\$16,304.59
21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$2,902,192.45	\$761,343.44	\$213,697.84	\$0.00	\$3,877,233.73
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00