

Heat Pump Retrofit, Mini-Split, 3 heads, 2024 CPCN/Tariff filing

Distribution System Benefits		Distribution System Costs	
Power Bill Declines	\$ 3,098,322	Revenue Declines	(\$4,398,487)
Rebates From EK	\$1,498,697	Administrative Costs	(\$93,183)
		Rebates Paid To Consumers	(\$776,527)
Total Benefits	\$4,597,019	Total Costs	(\$5,268,197)
Benefit / Cost Ratio: 0.87			

Participant Benefits		Participant Costs	
Electric Bill Declines	\$1,848,398	Up Front Investment	(\$224,227)
Rebates From Distribution System	\$ 500,507		
Reductions in O&M costs	\$0		
Tax Credits	\$517,858		
Total Benefits	\$2,866,762	Total Costs	(\$224,227)
Benefit / Cost Ratio: 12.79			

Total Resource Benefits		Total Resource Costs	
Avoided Energy Costs	\$1,954,056	Up Front Customer Investment	(\$347,884)
Avoided Gen Capacity Costs	\$953,238	Distribution System Admin. Costs	(\$93,183)
Avoided Transmission Expense	\$412,509	EK Administrative Costs	(\$76,209)
Reduced Customer O&M costs	\$0		
Tax Credits	\$803,446		
Total Benefits	\$4,123,249	Total Costs	(\$517,276)
Benefit / Cost Ratio: 7.97			

EK Benefits		EK Costs	
Avoided Energy Costs	\$1,954,056	Decrease In Revenue	(\$3,098,322)
Avoided Gen Capacity Costs	\$953,238	Rebates Paid	(\$1,498,697)
Avoided Transmission Expense	\$412,509	Administrative Costs	(\$76,209)
Total Benefits	\$3,319,803	Total Costs	(\$4,673,228)
Benefit / Cost Ratio: 0.71			

Utility Test Benefits		Utility Test Costs	
Avoided Energy Costs	\$1,954,056	Rebates Paid to Participants	(\$776,527)
Avoided Gen Capacity Costs	\$953,238	Utility Admin Costs	(\$169,392)
Avoided Transmission Expense	\$412,509		
Environmental Externalities	\$0		
Total Benefits	\$3,319,803	Total Costs	(\$945,919)
Benefit / Cost Ratio: 3.51			

Combined RIM:			
Total Benefits	\$3,319,803	Total Costs	(\$5,344,406)
Benefit / Cost Ratio: 0.62			