

Heat Pump Retrofit, Federal Standard, 2024 CPCN/Tariff filing

Distribution System Benefits		Distribution System Costs	
Power Bill Declines	\$ 16,043,408	Revenue Declines	(\$22,969,616)
Rebates From EK	\$5,903,188	Administrative Costs	(\$546,310)
		Rebates Paid To Consumers	(\$2,276,294)
Total Benefits	\$21,946,597	Total Costs	(\$25,792,220)
Benefit / Cost Ratio: 0.85			

Participant Benefits		Participant Costs	
Electric Bill Declines	\$9,654,780	Up Front Investment	(\$1,244,432)
Rebates From Distribution System	\$ 1,467,491		
Reductions in O&M costs	\$0		
Tax Credits	\$0		
Total Benefits	\$11,122,271	Total Costs	(\$1,244,432)
Benefit / Cost Ratio: 8.94			

Total Resource Benefits		Total Resource Costs	
Avoided Energy Costs	\$10,204,300	Up Front Customer Investment	(\$1,930,297)
Avoided Gen Capacity Costs	\$4,804,676	Distribution System Admin. Costs	(\$546,310)
Avoided Transmission Expense	\$2,151,990	EK Administrative Costs	(\$76,209)
Reduced Customer O&M costs	\$0		
Tax Credits	\$0		
Total Benefits	\$17,160,967	Total Costs	(\$2,552,816)
Benefit / Cost Ratio: 6.72			

EK Benefits		EK Costs	
Avoided Energy Costs	\$10,204,300	Decrease In Revenue	(\$16,043,408)
Avoided Gen Capacity Costs	\$4,804,676	Rebates Paid	(\$5,903,188)
Avoided Transmission Expense	\$2,151,990	Administrative Costs	(\$76,209)
Total Benefits	\$17,160,967	Total Costs	(\$22,022,806)
Benefit / Cost Ratio: 0.78			

Utility Test Benefits		Utility Test Costs	
Avoided Energy Costs	\$10,204,300	Rebates Paid to Participants	(\$2,276,294)
Avoided Gen Capacity Costs	\$4,804,676	Utility Admin Costs	(\$622,519)
Avoided Transmission Expense	\$2,151,990		
Environmental Externalities	\$0		
Total Benefits	\$17,160,967	Total Costs	(\$2,898,813)
Benefit / Cost Ratio: 5.92			

Combined RIM:			
Total Benefits	\$17,160,967	Total Costs	(\$25,868,429)
Benefit / Cost Ratio: 0.66			