

## Heat Pump Retrofit, ENERGY STAR®, 2024 CPCN/Tariff filing

Distribution System Benefits		Distribution System Costs	
Power Bill Declines	\$ 8,917,338	Revenue Declines	(\$12,661,669)
Rebates From EK	\$3,535,708	Administrative Costs	(\$283,993)
		Rebates Paid To Consumers	(\$1,577,737)
<b>Total Benefits</b>	<b>\$12,453,046</b>	<b>Total Costs</b>	<b>(\$14,523,399)</b>
<b>Benefit / Cost Ratio: 0.86</b>			

Participant Benefits		Participant Costs	
Electric Bill Declines	\$5,322,036	Up Front Investment	(\$1,294,816)
Rebates From Distribution System	\$ 1,017,138		
Reductions in O&M costs	\$0		
Tax Credits	\$1,914,253		
<b>Total Benefits</b>	<b>\$8,253,426</b>	<b>Total Costs</b>	<b>(\$1,294,816)</b>
<b>Benefit / Cost Ratio: 6.37</b>			

Total Resource Benefits		Total Resource Costs	
Avoided Energy Costs	\$5,624,974	Up Front Customer Investment	(\$2,008,459)
Avoided Gen Capacity Costs	\$2,741,221	Distribution System Admin. Costs	(\$283,993)
Avoided Transmission Expense	\$1,186,455	EK Administrative Costs	(\$76,209)
Reduced Customer O&M costs	\$0		
Tax Credits	\$2,969,300		
<b>Total Benefits</b>	<b>\$12,521,951</b>	<b>Total Costs</b>	<b>(\$2,368,660)</b>
<b>Benefit / Cost Ratio: 5.29</b>			

EK Benefits		EK Costs	
Avoided Energy Costs	\$5,624,974	Decrease In Revenue	(\$8,917,338)
Avoided Gen Capacity Costs	\$2,741,221	Rebates Paid	(\$3,535,708)
Avoided Transmission Expense	\$1,186,455	Administrative Costs	(\$76,209)
<b>Total Benefits</b>	<b>\$9,552,650</b>	<b>Total Costs</b>	<b>(\$12,529,255)</b>
<b>Benefit / Cost Ratio: 0.76</b>			

Utility Test Benefits		Utility Test Costs	
Avoided Energy Costs	\$5,624,974	Rebates Paid to Participants	(\$1,577,737)
Avoided Gen Capacity Costs	\$2,741,221	Utility Admin Costs	(\$360,201)
Avoided Transmission Expense	\$1,186,455		
Environmental Externalities	\$0		
<b>Total Benefits</b>	<b>\$9,552,650</b>	<b>Total Costs</b>	<b>(\$1,937,938)</b>
<b>Benefit / Cost Ratio: 4.93</b>			

<b>Combined RIM:</b>			
<b>Total Benefits</b>	<b>\$9,552,650</b>	<b>Total Costs</b>	<b>(\$14,599,607)</b>
<b>Benefit / Cost Ratio: 0.65</b>			