

## Heat Pump Retrofit, Mini-Split, 2 heads, 2024 CPCN/Tariff filing

Distribution System Benefits		Distribution System Costs	
Power Bill Declines	\$ 2,112,890	Revenue Declines	(\$3,002,330)
Rebates From EK	\$1,038,851	Administrative Costs	(\$95,405)
		Rebates Paid To Consumers	(\$530,026)
<b>Total Benefits</b>	<b>\$3,151,741</b>	<b>Total Costs</b>	<b>(\$3,627,761)</b>
<b>Benefit / Cost Ratio: 0.87</b>			

Participant Benefits		Participant Costs	
Electric Bill Declines	\$1,262,093	Up Front Investment	(\$153,097)
Rebates From Distribution System	\$ 341,733		
Reductions in O&M costs	\$0		
Tax Credits	\$455,872		
<b>Total Benefits</b>	<b>\$2,059,699</b>	<b>Total Costs</b>	<b>(\$153,097)</b>
<b>Benefit / Cost Ratio: 13.45</b>			

Total Resource Benefits		Total Resource Costs	
Avoided Energy Costs	\$1,333,785	Up Front Customer Investment	(\$237,452)
Avoided Gen Capacity Costs	\$647,241	Distribution System Admin. Costs	(\$95,405)
Avoided Transmission Expense	\$280,454	EK Administrative Costs	(\$76,209)
Reduced Customer O&M costs	\$0		
Tax Credits	\$707,055		
<b>Total Benefits</b>	<b>\$2,968,535</b>	<b>Total Costs</b>	<b>(\$409,065)</b>
<b>Benefit / Cost Ratio: 7.26</b>			

EK Benefits		EK Costs	
Avoided Energy Costs	\$1,333,785	Decrease In Revenue	(\$2,112,890)
Avoided Gen Capacity Costs	\$647,241	Rebates Paid	(\$1,038,851)
Avoided Transmission Expense	\$280,454	Administrative Costs	(\$76,209)
<b>Total Benefits</b>	<b>\$2,261,480</b>	<b>Total Costs</b>	<b>(\$3,227,949)</b>
<b>Benefit / Cost Ratio: 0.70</b>			

Utility Test Benefits		Utility Test Costs	
Avoided Energy Costs	\$1,333,785	Rebates Paid to Participants	(\$530,026)
Avoided Gen Capacity Costs	\$647,241	Utility Admin Costs	(\$171,613)
Avoided Transmission Expense	\$280,454		
Environmental Externalities	\$0		
<b>Total Benefits</b>	<b>\$2,261,480</b>	<b>Total Costs</b>	<b>(\$701,640)</b>
<b>Benefit / Cost Ratio: 3.22</b>			

Combined RIM:			
<b>Total Benefits</b>	<b>\$2,261,480</b>	<b>Total Costs</b>	<b>(\$3,703,969)</b>
<b>Benefit / Cost Ratio: 0.61</b>			