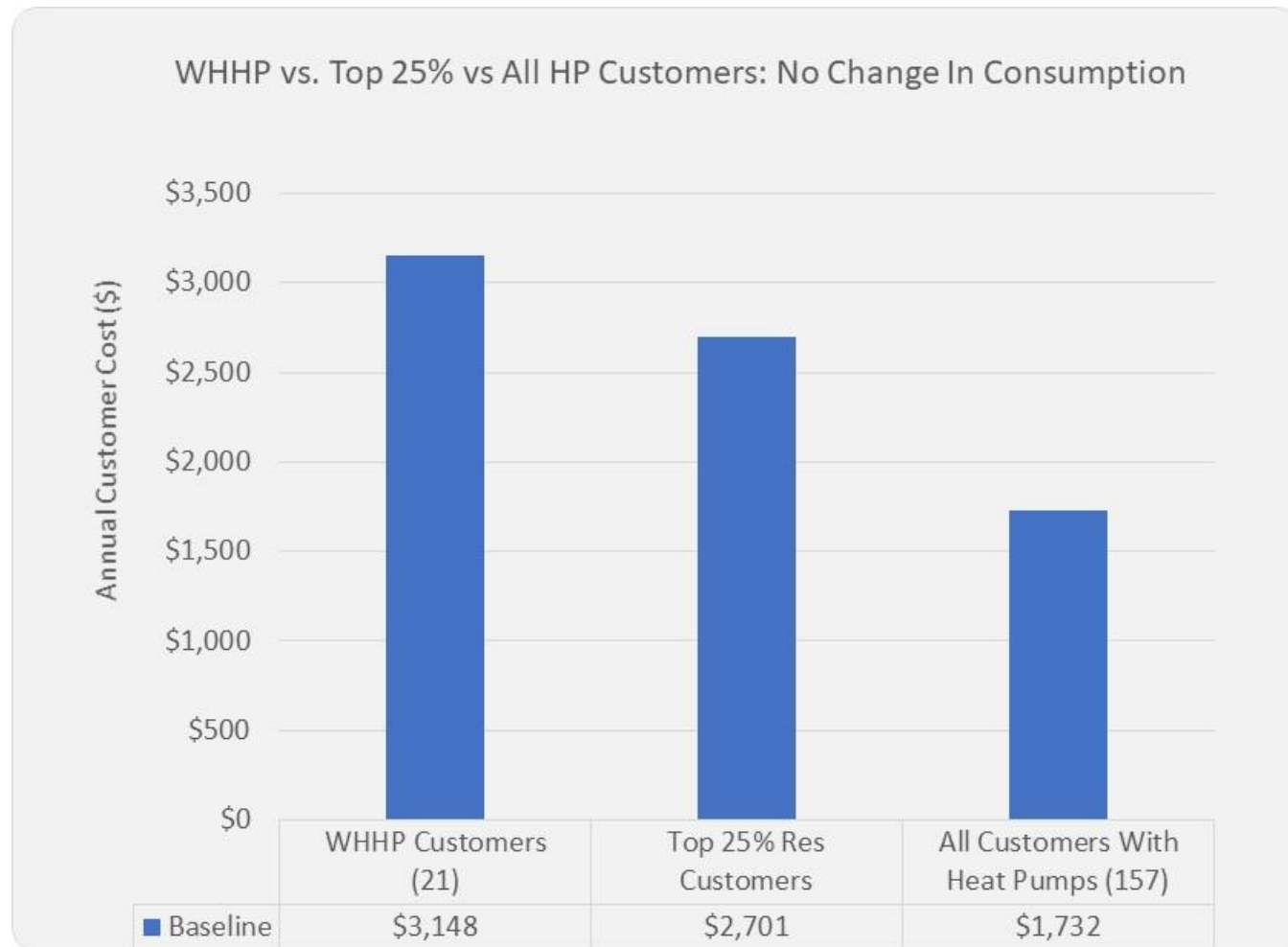


# TOU Compare Model

Summary of Impacts on new  
customer subgroup: Whole Home  
Heat Pumps

10/21/20

# New Whole Home Heat Pump Analysis



## REFERENCE

# Rates (Residential – A) With 2019 Distribution

Note: for equivalent Solar Buyback rate, subtract \$0.078 from rate shown. E.g. UFS-9hr Critical Peak: \$0.360 - \$0.078 = \$0.282

RATE Name	DESCRIPTION	RATES (\$/kWh)	
Baseline	<ul style="list-style-type: none"> <li>Rate based on BL 2019 Costs. Fixed through the year.</li> </ul>	\$0.191	{Actual Rate Paid: \$0.193}
UFS – 9 Hour	<ul style="list-style-type: none"> <li>Peak: 12 -2 PM, 7 – 9 PM</li> <li>Critical Peak: 2 – 7 PM</li> <li>All Year, Weekends &amp; Holidays Excluded</li> </ul>	Peak: \$0.242 (+27%) Critical Peak: \$0.360 (+88%) Off Peak: \$0.141 (-26%)	{UFS: \$0.243} {UFS: \$0.380} {UFS: \$0.134}
Virtual Peaker	<ul style="list-style-type: none"> <li>Peak: 5 – 9 PM</li> <li>Critical Peak: 31 hours of calls on potential ISO peak hours</li> <li>All Year, Weekends &amp; Holidays Included</li> </ul>	Peak: \$0.221 (+16%) Critical Peak: \$4.078 Off Peak: \$0.137 (-18%)	
Summer Peaker	<ul style="list-style-type: none"> <li>Peak: June – Sept only (1 – 7 PM), Weekends &amp; Holidays Included</li> </ul>	Peak: \$0.494 (+158%) Off Peak: \$0.137 (-19%)	

# No Change In Consumption

	Summer (June - Sept)			Fall-Winter-Spring (Oct - May)			Annual		
	\$	Diff(\$)	Diff(%)	\$	Diff(\$)	Diff(%)	\$	Diff(\$)	Diff(%)
<b>Baseline</b>	\$666			\$2,483			\$3,148		
<b>Virtual Peaker</b>	\$856	\$190	29%	\$2,212	-\$270	-11%	\$3,068	-\$80	-3%
<b>UFS-9hr</b>	\$679	\$13	2%	\$2,394	-\$88	-4%	\$3,073	-\$75	-2%
<b>Summer Peaker</b>	\$895	\$229	34%	\$2,024	-\$459	-18%	\$2,919	-\$230	-7%

# With Change In Consumption

	Summer (June - Sept)			Fall-Winter-Spring (Oct - May)			Annual		
	\$	Diff(\$)	Diff(%)	\$	Diff(\$)	Diff(%)	\$	Diff(\$)	Diff(%)
<b>Baseline</b>	\$666			\$2,483			\$3,148		
<b>Virtual Peaker</b>	\$664	-\$2	0%	\$2,251	-\$231	-9%	\$2,915	-\$233	-7%
<b>UFS-9hr</b>	\$651	-\$15	-2%	\$2,330	-\$152	-6%	\$2,981	-\$167	-5%
<b>Summer Peaker</b>	\$745	\$79	12%	\$2,100	-\$383	-15%	\$2,844	-\$304	-10%

Lower savings because model predicts higher energy use

# Are WHHP Customers Overcharged for Distribution Services?

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Average Belmont Customer	\$621
WHHP Customer	<u>\$1,360</u>
<i>difference</i>	<u>\$738</u>

Services include billing, administration and other services not related to wires and transformers