



SC 1 Rate IV

An Optional Demand-Based Rate for Residential Customers

Overview



Optional, Demand-Based Rate

Demand-based delivery charges with peak & off-peak hours of noon to 8 p.m.

Peak hours apply to both delivery and supply charges*



Potentially beneficial to customers with Heat Pumps

Higher customer charge with a lower price per kW

When left at a single temperature setting, heat pumps use energy consistently, which results in better load factors



Established in Case 19-E-0065 (Feb 2020)

Originally available to all residential heat-pump customers, but capped at 5,000 non-heat-pump customers

Case 22-E-0064 eliminated the cap



One-Year Price Guarantee Makes it Risk Free to Try the SPP

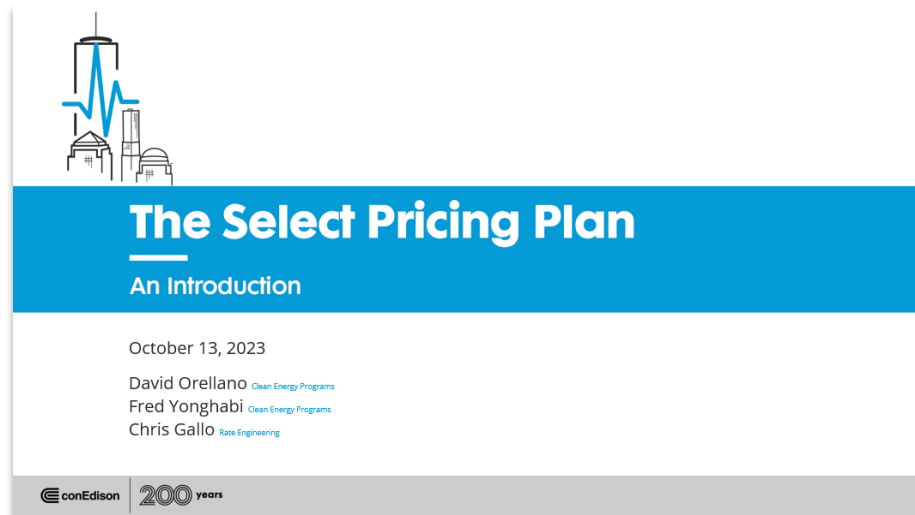
500 residential GSHP customers and 500 residential ASHP customers who heat and cool their homes with heat pumps receive a one-year price guarantee, administered at the conclusion of their 12th month on the Plan

* For full-service customers only. Peak hours do not apply to supply charges for Retail Choice customers.

Customer Engagement

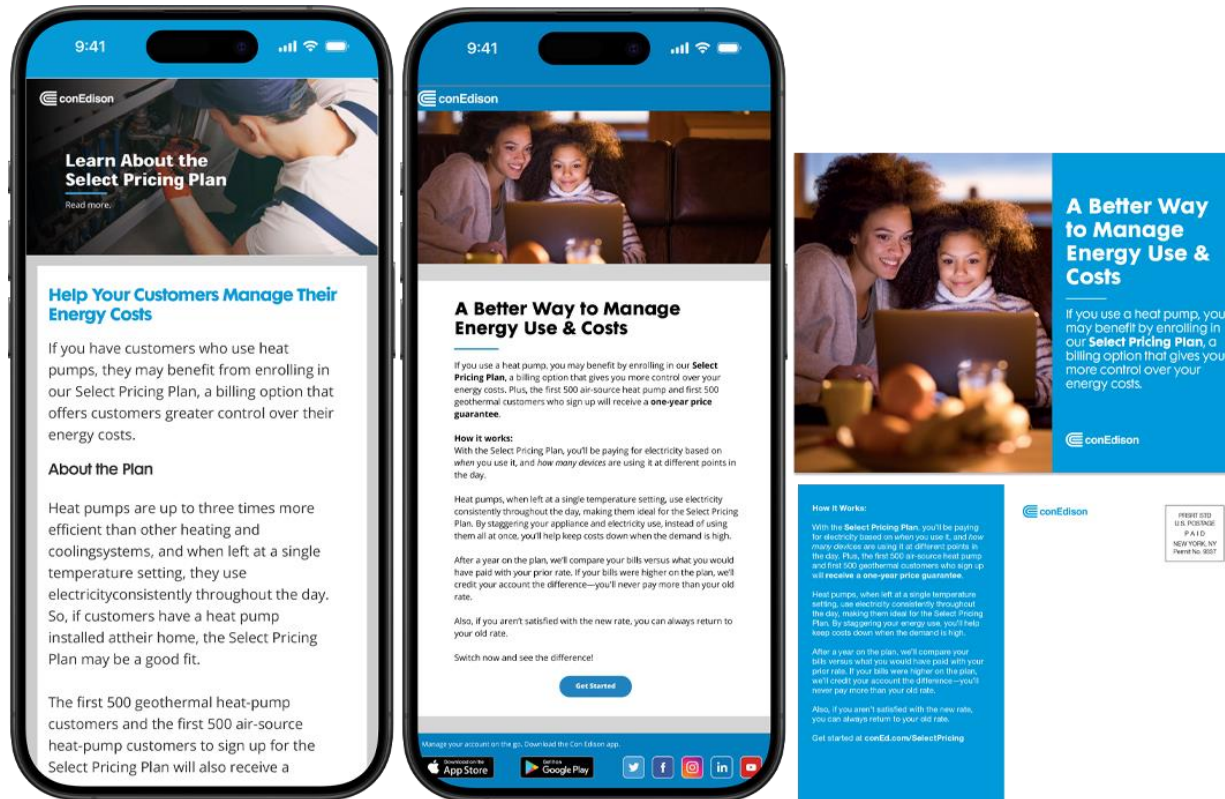


Winter 2022 Email Campaign
Sent to 3,000 new heat-pump customers who were determined to be good candidates for the Select Pricing Plan



Fall 2023 Webinar
The Select Pricing Plan was presented in October 2023 as part of a webinar hosted by NY GEO

Customer Engagement cont'd



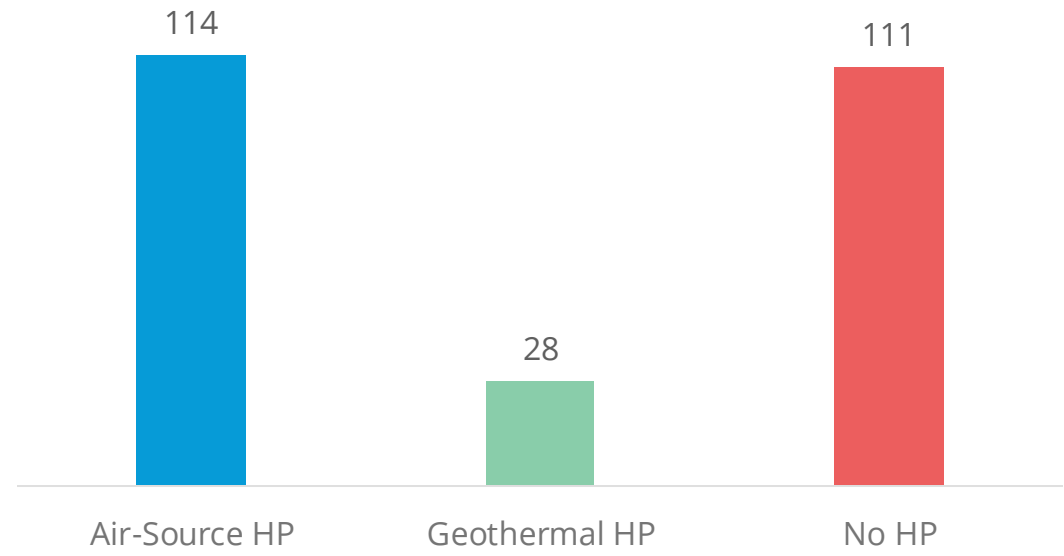
September 2023

1. **Heat Pump Contractor Email**
 - Sent to contractors operating in the Con Edison service territory
2. **Heat Pump Customer Email**
 - Sent to over 5,000 customers with air-source or geothermal heat pumps
3. **Heat Pump Customer Postcard**
 - Sent to over 5,000 customers with air-source or geothermal heat pumps

Customer Enrollment



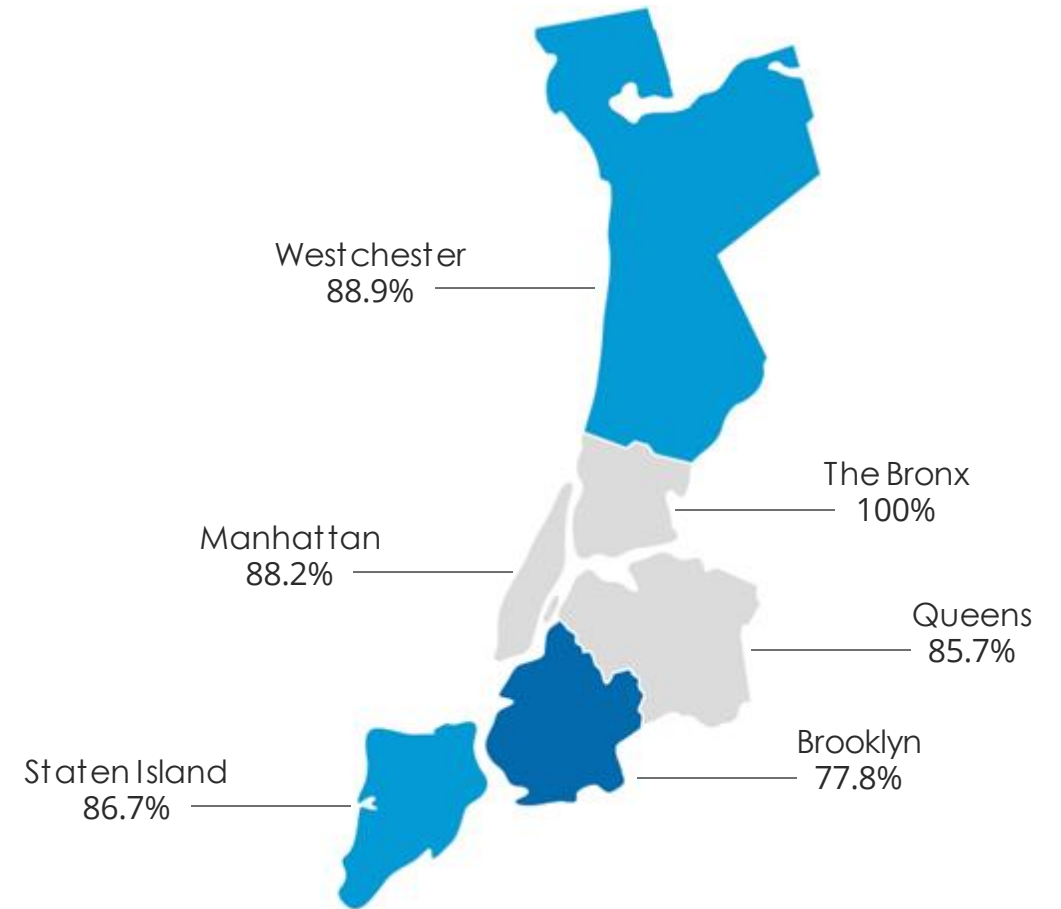
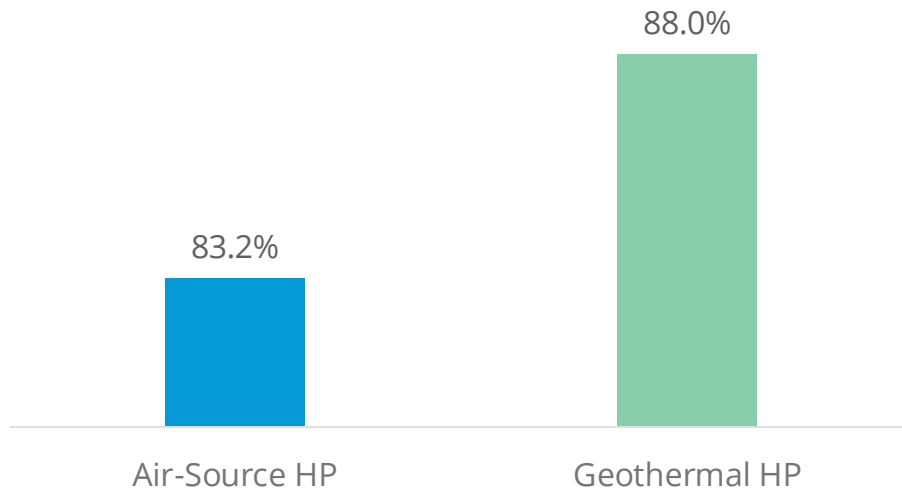
Currently Enrolled Customers
(By Heat Pump Ownership)



* Through 12/31/23 reporting period.

Bill Impacts

Percentage of Savers
(By Heat Pump Ownership)

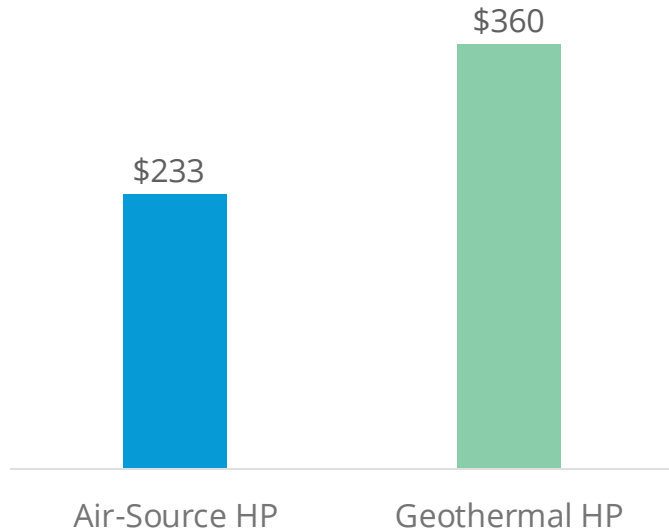


* Through 12/31/23 reporting period.

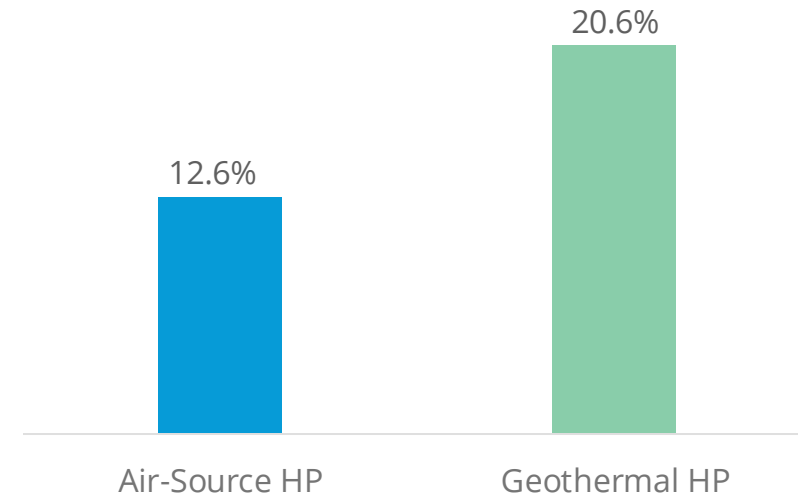
** Borough breakout includes all customers, HP and non-HP, enrolled in SC1 Rate IV.

Bill Impacts

Average Monthly Bill
(By Heat Pump Ownership)

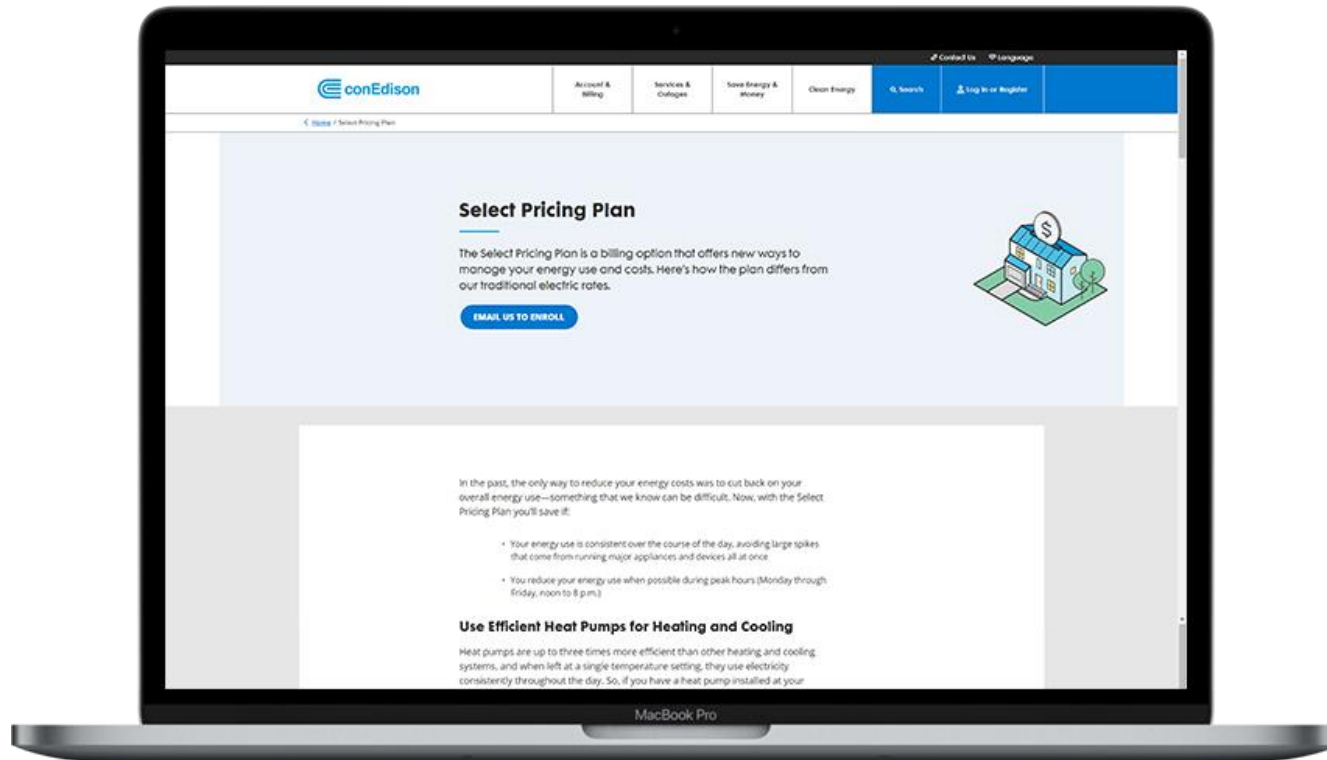


Average Monthly Savings
(By Heat Pump Ownership)



* Through 12/31/23 reporting period.

Q&A For More...



[The Select Pricing Plan](#)

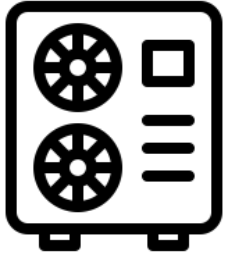


SelectPricingPlan@conEd.com

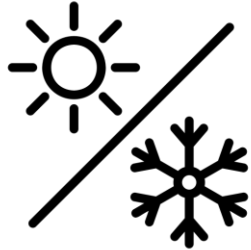
SC 1 Rate IV

Customer Bill Impact Assessment

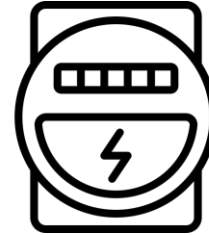
SC1 Rate IV Bill Impact Assessment: Overall Findings



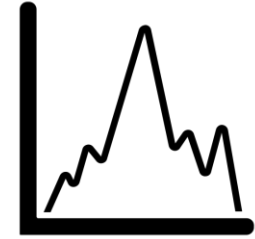
R4 is most beneficial* to air source heat pump and ground source heat pump customers. Least beneficial for solar net metering customers.



The amount of savings switching to R4 from other rates is dependent on the season (summer vs. non-summer).



The differences in supply charges among the rate options do not have a significant impact on whether a customer group will do well on the rate.

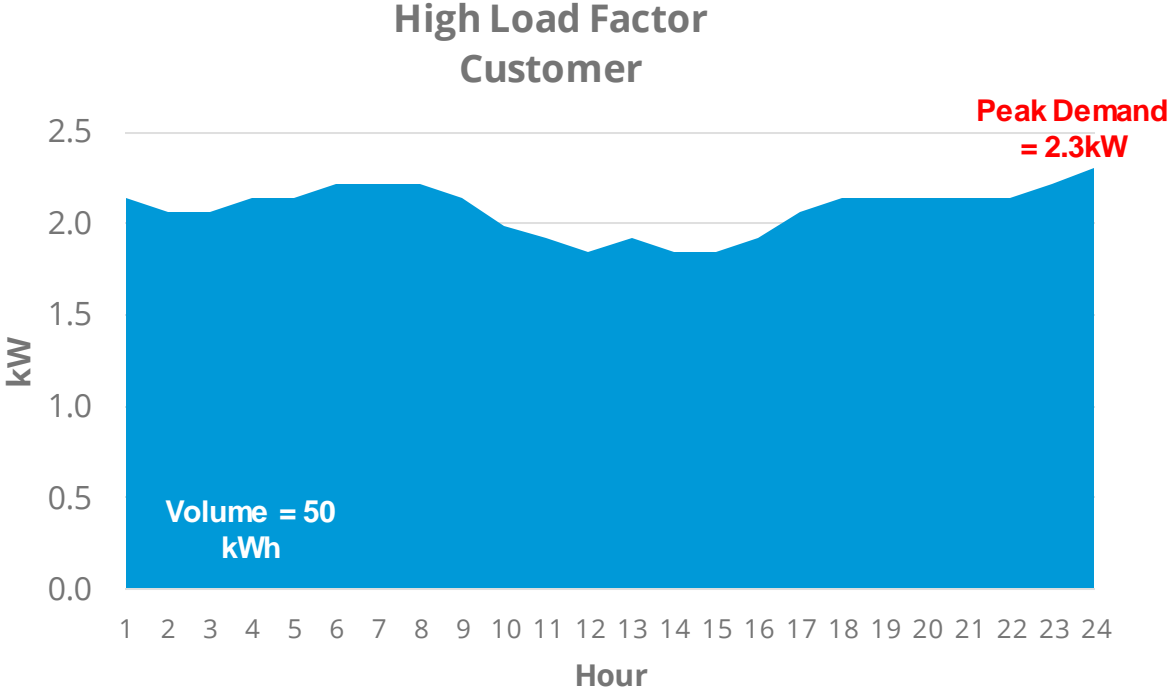
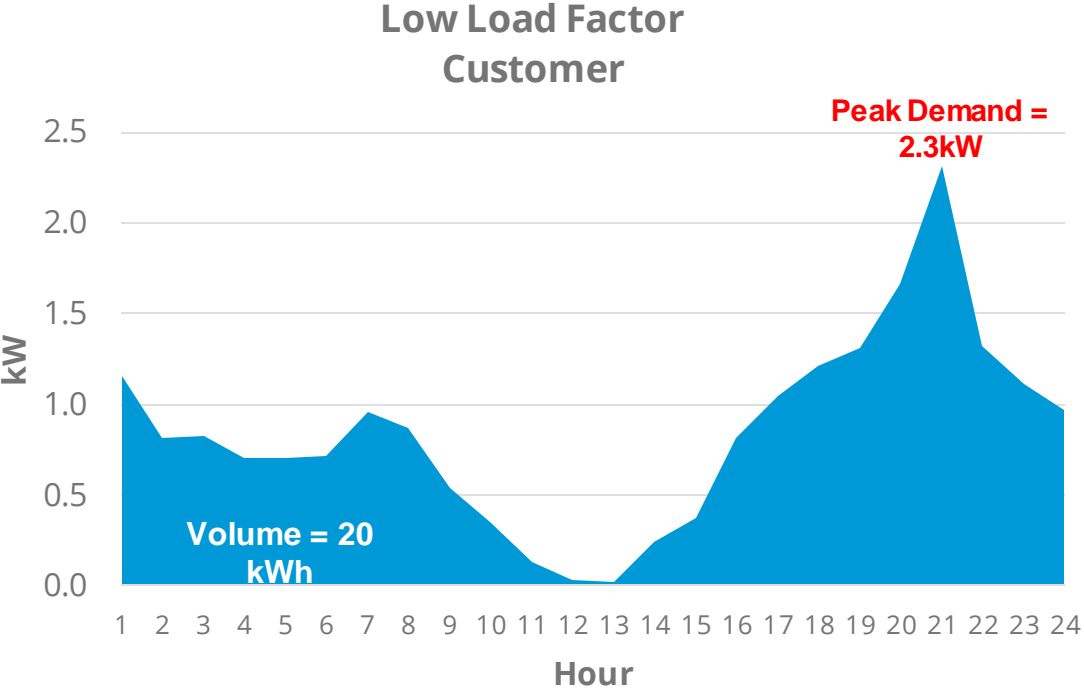


The higher a customer's load factor, the more likely a customer will benefit from a switch to R4.

**highest savings for greatest number of customers*

Credits for icon use: Heat pump by Lomaxy for Noun Project. Season by Yuswita Amieliana Dewi for Noun Project. Electric meter by Juicy Fish for Noun Project. Line graph by Zach Bogart for Noun Project.

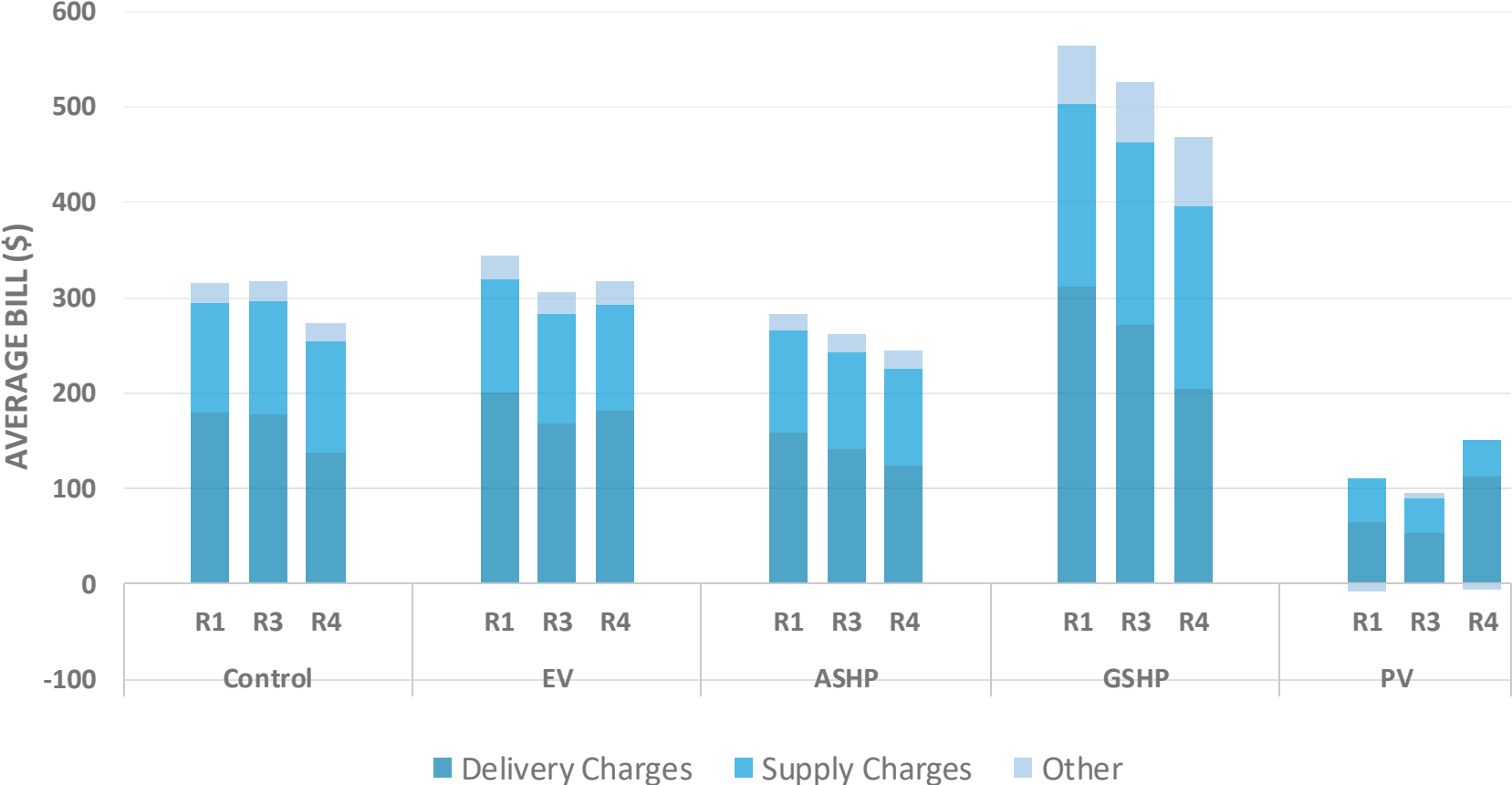
SC1 Rate IV Bill Impact Assessment Results: Load Factor Definition



$$LF = \frac{\textit{Average Load}}{\textit{Peak Load}}$$

SC1 Rate IV Bill Impact Assessment Results: 12-Month Avg Monthly Bill (\$)

Control, ASHP, and GSHP average bills are lowest at R4, compared to R1 or R3.



Customers that Save on R4

	From R1	From R3
Control	58.3%	63.4%
EV	67.5%	31.8%
ASHP	80.1%	65.5%
GSHP	88.9%	72.2%
PV	12.3%	8.3%

SC1 Rate IV Bill Impact Assessment: Link to Report

https://lite.coned.com/_external/cerates/documents/reports/rate-IV-assessment.pdf

Appendix

Customer Bill Impact Assessment

SC1 Rate IV Bill Impact Assessment: Rate Options

SC1 Rate I ("R1")

Customer Charge: \$18

Delivery Charges (¢/kWh): 14.116

Summer* >250kWh : 16.228

Supply Charges (¢/kWh): Not TOU

SC1 Rate III ("R3")**

Customer Charge: \$18

Delivery Charges (¢/kWh):

Off Peak: 2.18

Peak NonSummer 11.43

Peak Summer: 30.88

Supply Charges (¢/kWh): TOU
+ Super Peak in Summer

SC1 Rate IV ("R4")***

Customer Charge: \$28

Delivery Charges (\$/kW):

Off Peak: 6.41

Peak NonSummer: 16.73

Peak Summer: 21.75

Supply Charges (¢/kWh): TOU

* Summer for all rates refers to June through September

** R3 peak hours are from 8am to midnight all days and super peak hours are from 2pm to 6pm weekdays

*** R4 peak hours are from noon to 8pm on weekdays except holidays

SC1 Rate IV Bill Impact Assessment : Sample

	Control	EV	ASHP	GSHP	PV
Source	22-E-0064 Demand Analysis	Self Reported	Clean Heat Program	Clean Heat Program	Random Sample
Sample Size	1,157	425	1,220	18	1,159
Average Load Factor	0.22	0.15	0.23	0.23	0.03
Average Monthly Usage (kWh)	973	1,108	867	1,942	202
Average Monthly Summer Usage (kWh)	1,177	1,251	714	1,692	253
Average Monthly Non Summer Usage (kWh)	871	1,037	944	2,067	177

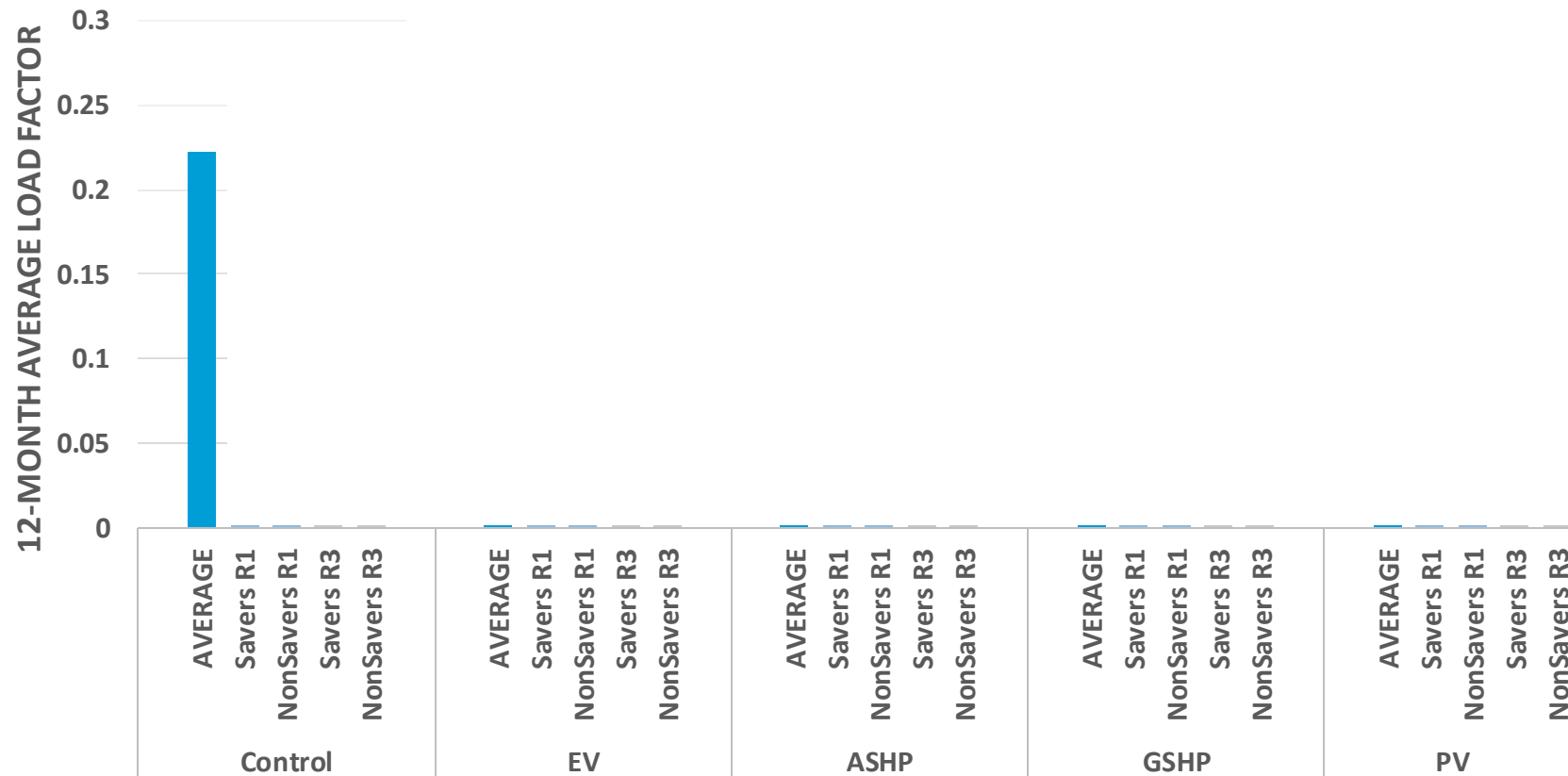
SC1 Rate IV Bill Impact Assessment Results: Bill Impact and Load Factor

- For all groups, except PV:
 - Relatively higher correlation between customer load factor and savings on R4, than the correlation between customer usage and savings on R4
 - The higher the load factor, the more likely a customer will save switching to R4 from either R1 or R3

SC1 Rate IV Bill Impact Assessment Results: Bill Impact and Load Factor

Customers with the highest load factors are more likely to save with a switch to R4.

Average 12-Month Load Factors Each Customer Group, the Savers, and NonSavers per Rate Class Switch



SC1 Rate IV Bill Impact Assessment Results: Bill Impact and Load Factor

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Average 12-Month Load Factors Each Customer Group, the Savers, and NonSavers per Rate Class Switch

