Clean Energy Partnership
Q4 EVAC Meeting
November 30, 2022

Agenda

1. Welcome & Introductions (Beth / Patty)
2. Approve Q3 Agenda and Q2 Meeting Notes (Beth / Patty)
3. 2022-2023 Work Plan
    1. Theme 1
    2. Theme 2
    3. Theme 3
    4. Discussion of the approach to organizing working groups
4. Time of Rent Energy Disclosure Visualization (Luke)
5. Partner Updates
6. Discussion of in-person vs. virtual meetings

2022-2023 Work Plan

Time of Rent Energy Disclosure Visualizations

Recap

- "Time of Rent" Energy Cost Disclosure Ordinance adopted by the City in early 2019
- 5+ Unit Building reporting was launched in Sep 2021 with new utility data aggregation and reporting tools
- 1-4 Unit Building reporting was delayed due to data access and privacy policies
- Utilities and City jointly petitioned the PUC and were granted permission to publicly disclose "Confidence Interval" energy cost data for smaller buildings
- Confidence Interval: "This statistical methodology disassociates customer energy use behavior from the energy consumption of a specific residential property while providing a secure method to protect CEUD and useful qualitative results."

"Confidence Interval" Example from PUC Filing
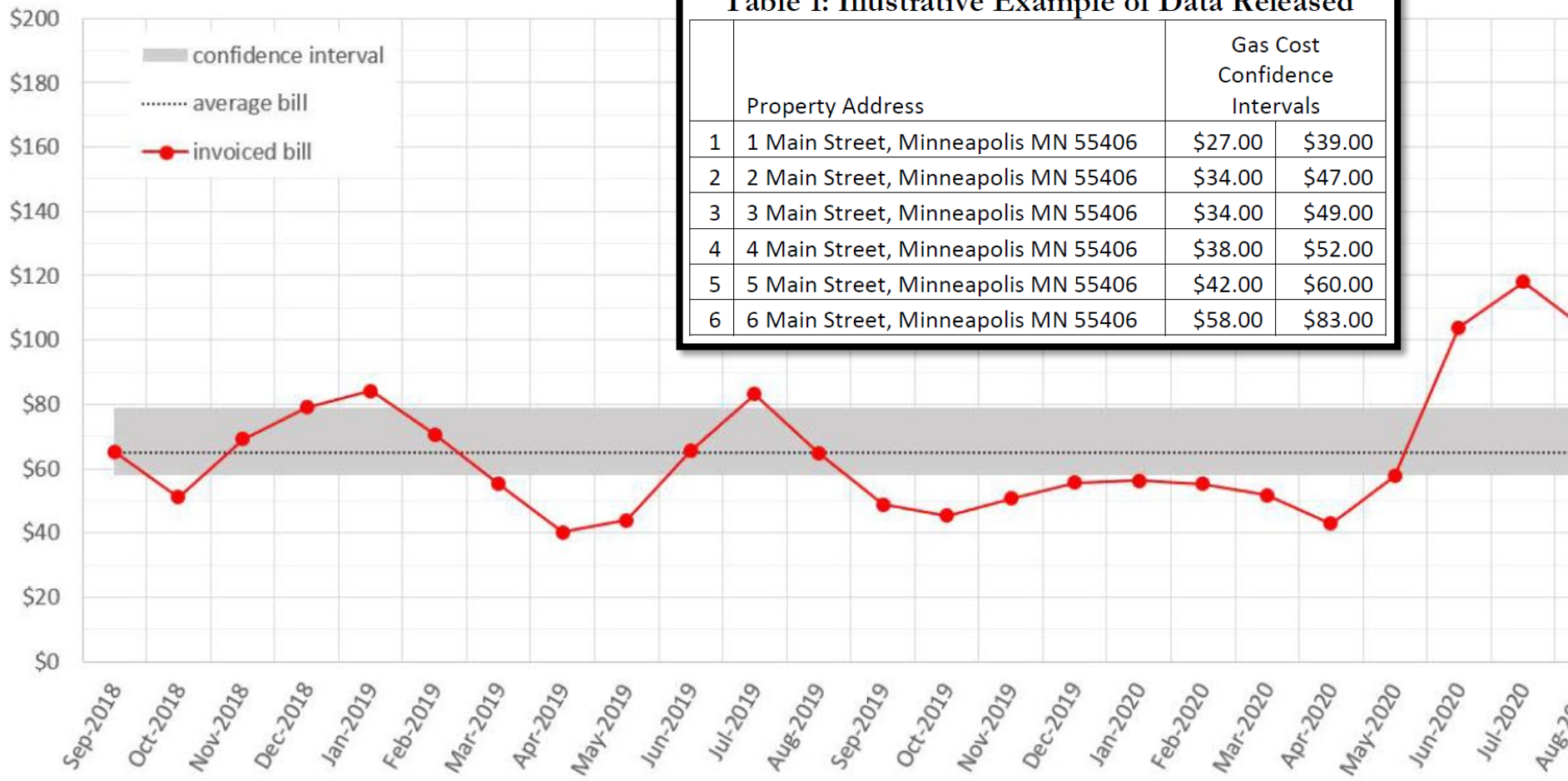
Table 1: Illustrative Example of Data Released

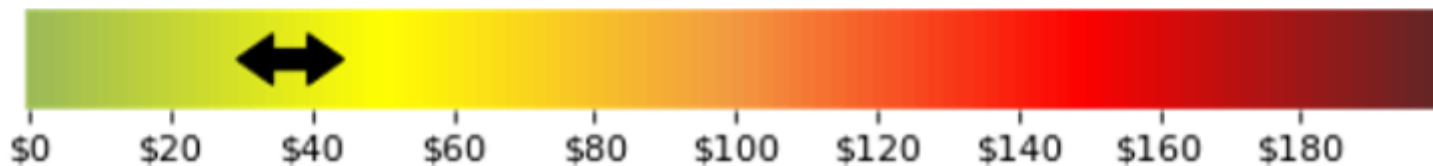|	Property Address	Gas Cost Confidence Intervals	
1	1 Main Street, Minneapolis MN 55406	$27.00	$39.00
2	2 Main Street, Minneapolis MN 55406	$34.00	$47.00
3	3 Main Street, Minneapolis MN 55406	$34.00	$49.00
4	4 Main Street, Minneapolis MN 55406	$38.00	$52.00
5	5 Main Street, Minneapolis MN 55406	$42.00	$60.00
6	6 Main Street, Minneapolis MN 55406	$58.00	$83.00

Use of "Confidence Interval" from PUC Filing

An example of how two properties' respective confidence intervals may be displayed for comparative purposes follows:

Property A ($ monthly per unit)

$0 $20 $40 $60 $80 $100 $120 $140 $160 $180
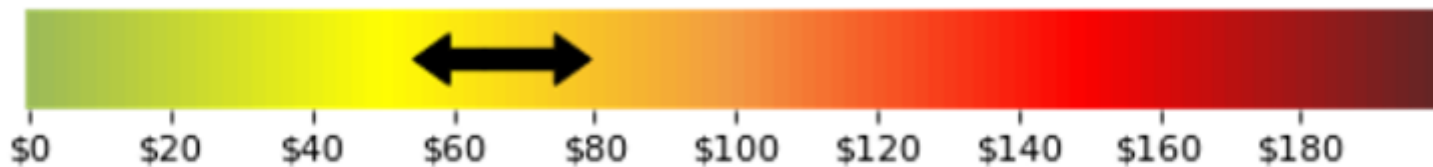
Property B ($ monthly per unit)

$0 $20 $40 $60 $80 $100 $120 $140 $160 $180

In this example, Property B (with a lower and non-overlapping confidence interval) is shown to have meaningfully lower energy costs over the previous 24 months than Property A.

Demonstration of Visualization Tool (80% complete)

EVAC Feedback Requested

- Should "Total Energy Costs" bar graph be shown against the stoplight colors or 3 different shades of grey?

- Should "Electric Costs" and "Gas Costs" bar graphs label high and low CI values, or can that too easily be misinterpreted as expected max/min (particularly in monthly gas costs)?

- Which is the best comparison to build the tool around?
    - Property #1 versus "Typical" Property
    - Property #1 versus Property #2

Partner Updates