



**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

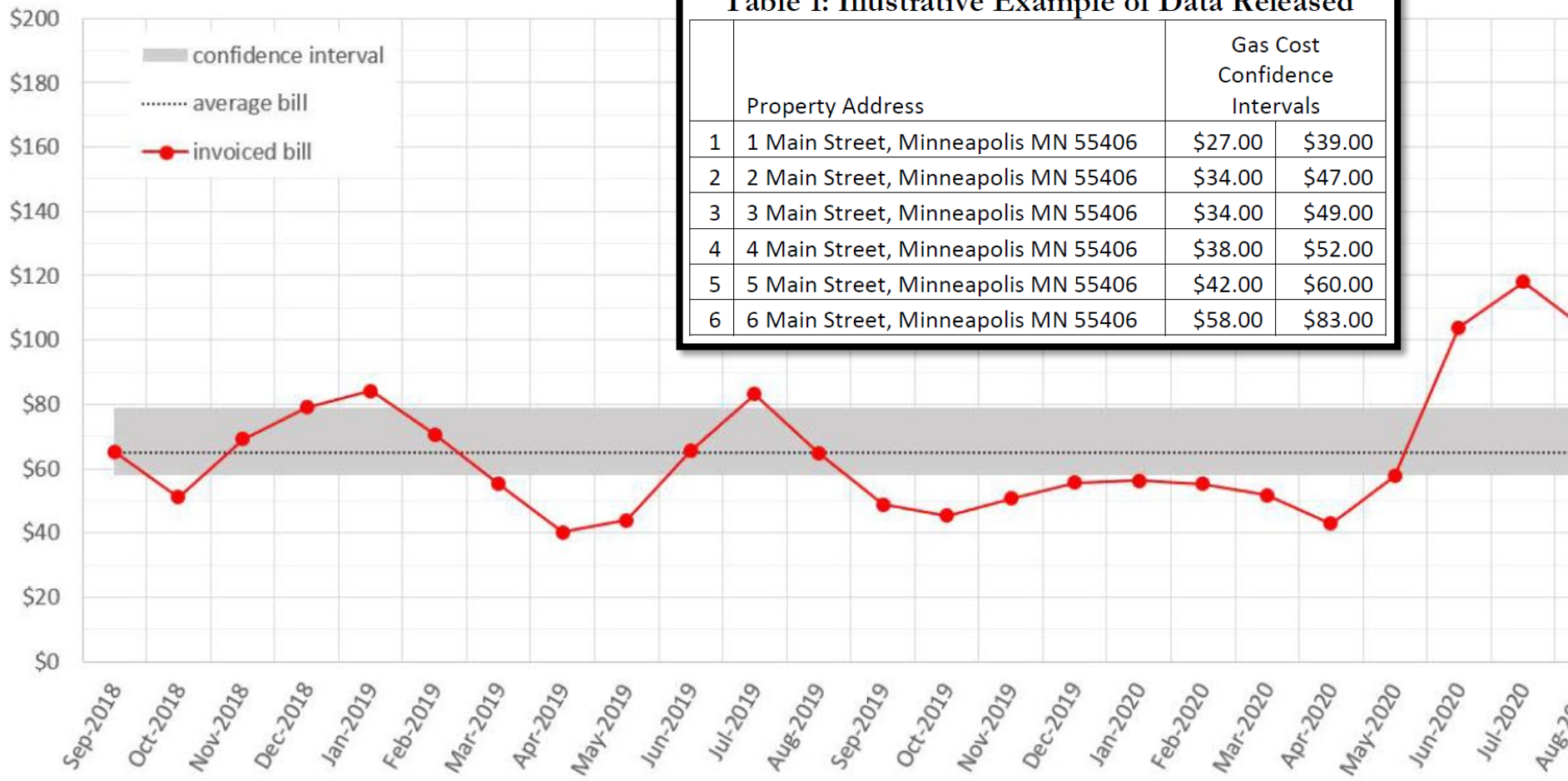


## Recap

- “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



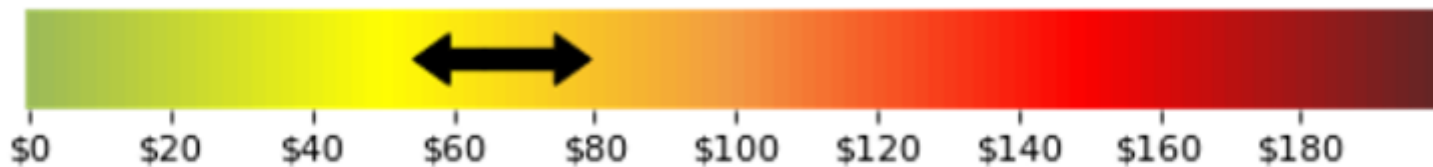
**Table 1: Illustrative Example of Data Released**

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

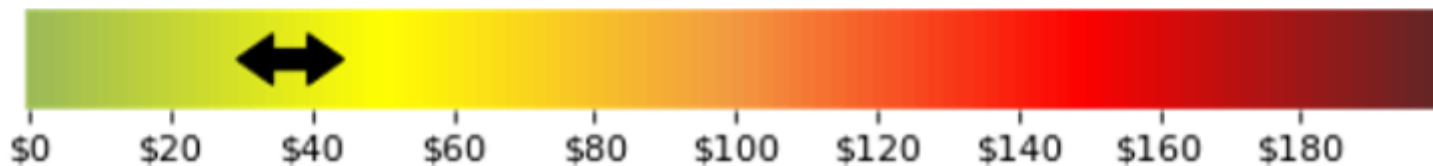
# Use of “Confidence Interval” from PUC Filing

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

Property A (\$ monthly per unit)



Property B (\$ monthly per unit)



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)

### Minneapolis Rental Energy Cost Report

Pick a rental address below to see how that property's energy costs from 2020 and 2021 compare to other 1-4 unit properties in the city. "Medium" represents a typical Minneapolis rental property. For any address not shown, complete data is not available.

Address	Measure	Yearly or Monthly
6133 WASHBURN AVE S	Per Bedroom	Yearly

#### Energy costs (Electricity + Gas)

Yearly cost per bedroom

Renters should ask their property owner about which energy bills they are required to pay.

#### Electric Cost

#### Gas Cost

Yearly cost per bedroom

The largest factors impacting electricity & gas costs at a property are:

- quality of attic and wall insulation and windows
- age, efficiency, and energy type of appliances and equipment
- existing cooling system
- whether heating is gas or electric
- electric vehicle charging

Assistance is available for [renters](#) and [property owners](#) to reduce gas costs.



## 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