



PRICING ENERGY

ENERGY CONSUMPTION

2018 – 2019

HOUSTON - DALLAS



AGENDA

Overview

Data Analyzed

Price Factors

Results

Additional Applications

Q & A

OVERVIEW

- Has demand changed significantly in either city between 2018 and 2019?
- Are the changes significant enough for a price adjustment?
- Development of utility price plans for service in Houston and Dallas, TX.



DATA ANALYZED

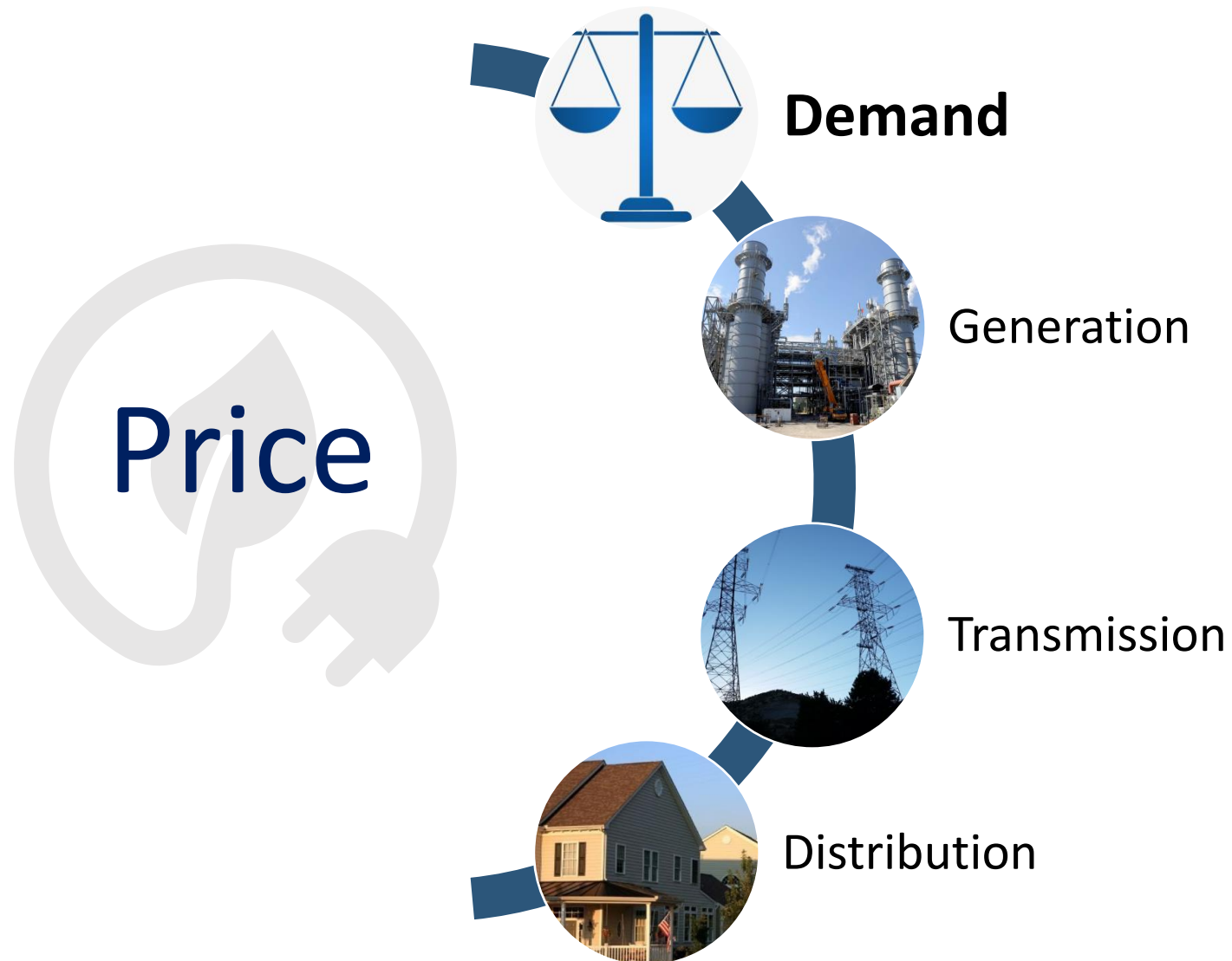
- Original data source is the US Energy Information Administration (EIA).
- Data provided on a time based period between 1/1/2018 01:00 and 4/30/2020 00:00 (8760 rec/year).
- The consumed MW of electricity is reported for San Antonio, Houston, and Dallas.



PRICE DETERMINATION



PRICE DETERMINATION

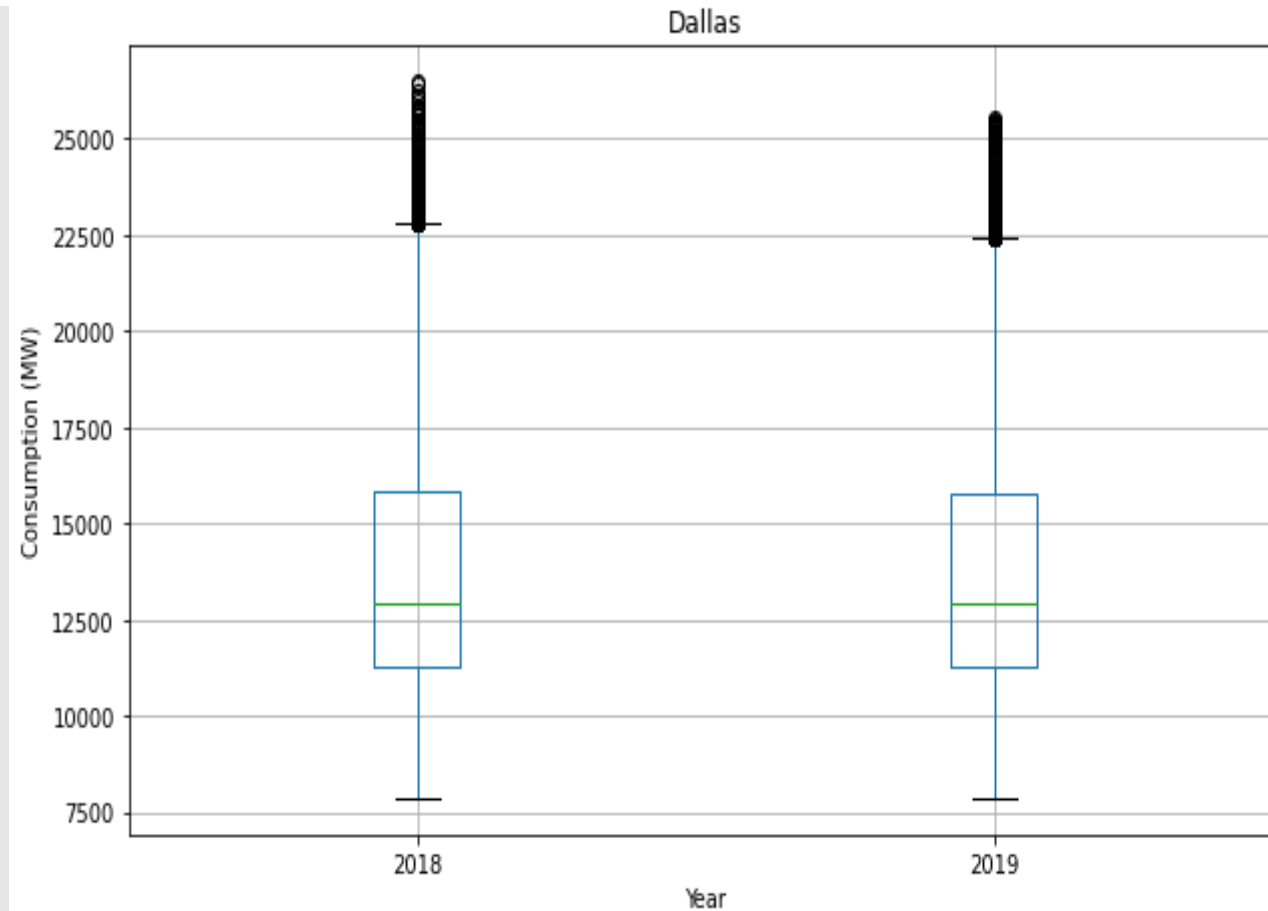


DALLAS



STATISTICS

- No statistical differences exist between 2018 and 2019 consumption data.



OUTCOME

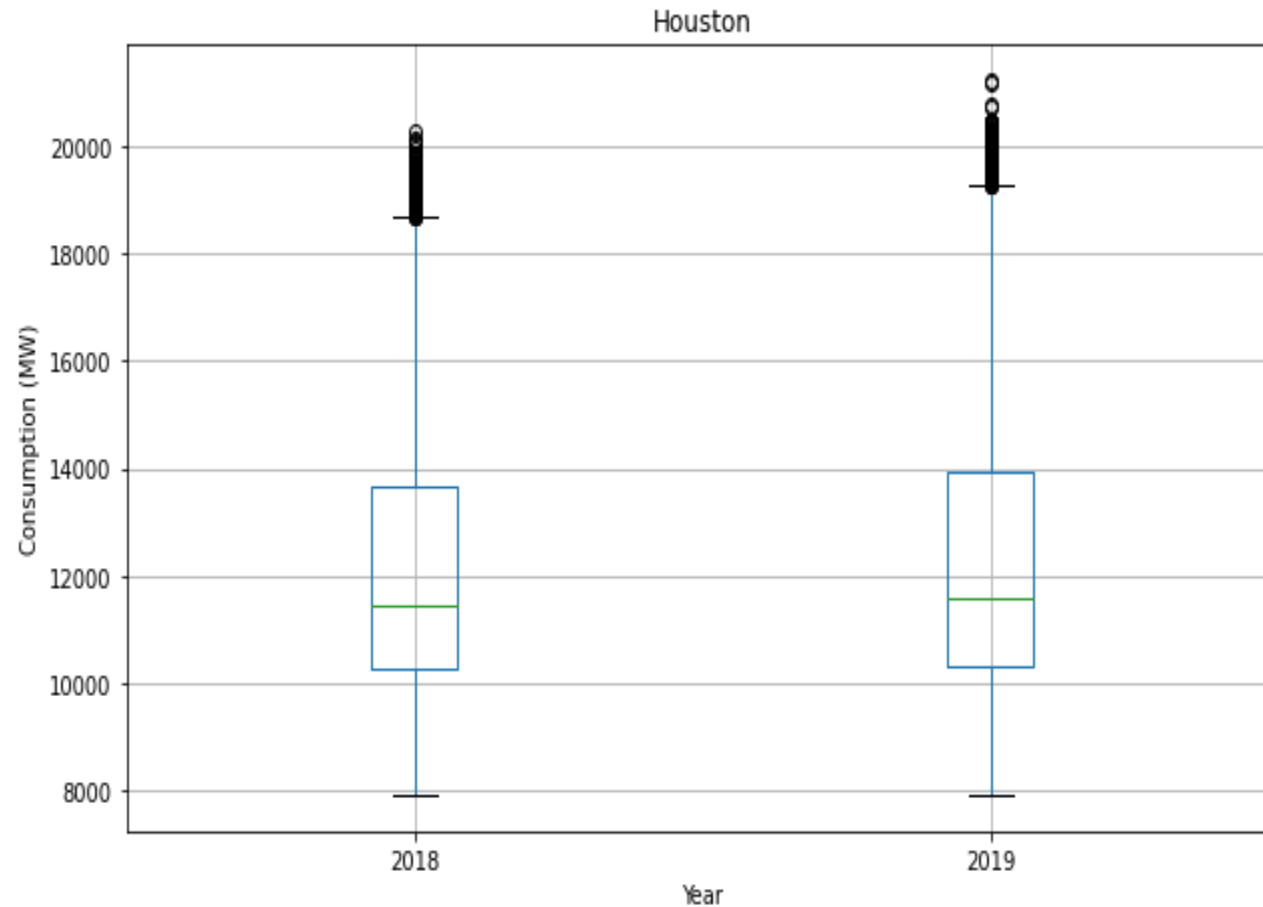
- 2020 pricing not significantly affected for upcoming year based on demand changes
- Final prices pending review of other factors.

HOUSTON



STATISTICS

- Statistically significant differences exist in energy consumption between 2018 and 2019.



OUTCOME

- The energy consumption on average demonstrated a minor increase in 2019 over 2018.
 - IQR
 - Median
 - Mean
- Additional research may be conducted to consider YTD 2020 data.
 - Changes in population
 - Seasonal changes

ADDITIONAL ANALYSIS AND APPLICATIONS

SEASONAL TRENDS



Consumption Trends:

Time of day

Seasonal

Feasibility of energy deliverability

Drive development of renewable energy technology



RENEWABLE ENERGY



Thank you

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