

GREAT ENERGY PREDICTOR

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// FLATIRON
SCHOOL

38% CO₂



SAVE MOTHER EARTH!



40% Energy

MOTIVATION

1. Verify Eligibility for Incentives
2. Highlight Improvement Opportunity

BUT...

An aerial night photograph of a dense urban landscape, likely Dubai, featuring numerous skyscrapers and a complex network of elevated highways and interchanges. The city is brightly lit by its own lights, creating a vibrant and futuristic atmosphere.

How do we measure the improvements?

Payment Plan for \$100k P4P Contract

\$ 10K

Met at least
10%
of goal

\$ 20K

Met at least
25%
of goal

\$ 30K

Met at least
50%
of goal

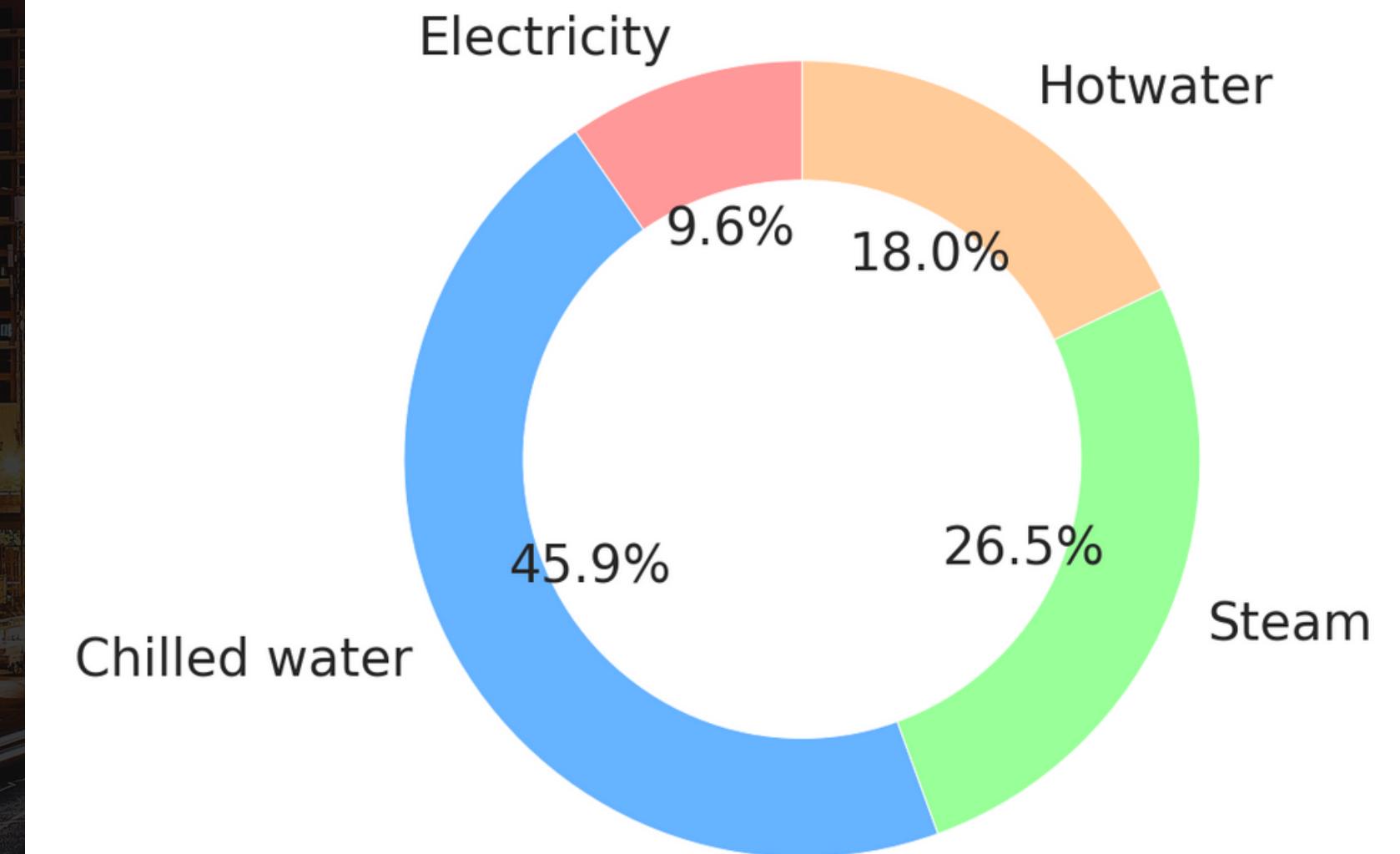
\$ 40K

Met
100%
of goal

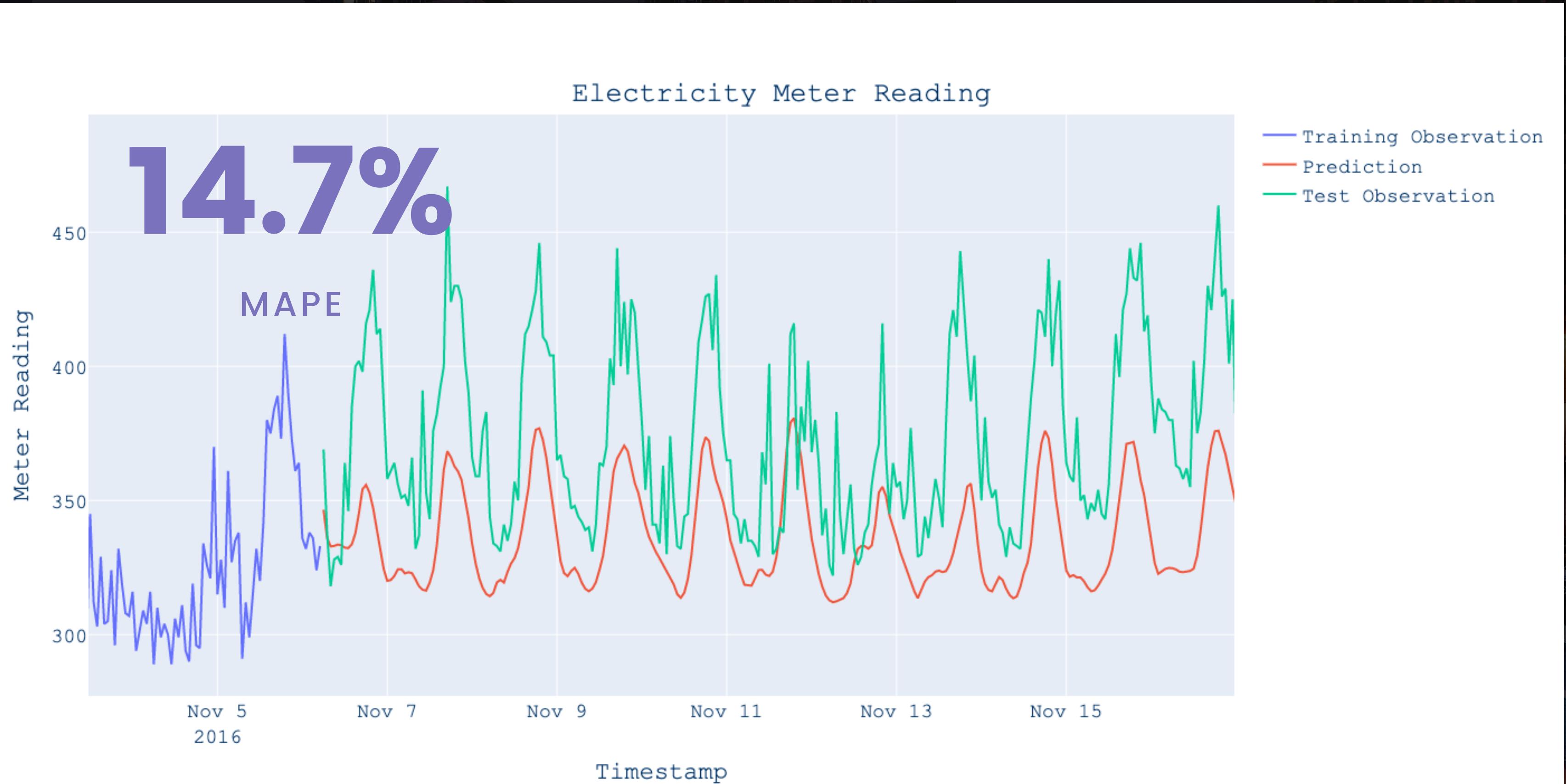
Kaggle competition organized by ASHRAE:

1449 Buildings
~ 20 million data points

Focused on Office Building
~ 35,136 data points



Interpreting the Results



MODEL ERROR

21.7%

Chiled Water

25.9%

Steam

FUTURE WORK

1. Include More Building Profiles
2. Try To Get Three Years Worth of Data and Re-train The Model
3. Present And Partner With DOE/EPA

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WE WELCOME
EVERYONE
AND EVERY KIND
OF VISIONS

WE NEED
A REGENERATIVE
CULTURE

WE VALUE
REFLECTING AND
LEARNING

WE DEMAND
CITIZENSHIP
FOR ALL

WE AVOID
BLAMING
AND CRIMINIZING

SAVE MOTHER EARTH!