

Implementation of Energy Benchmarking Ordinance

Ayden Eickhoff, UNH Sustainability Fellow, Summer 2018

Mentor: Troy Moon, City of Portland

Benchmarking Basics

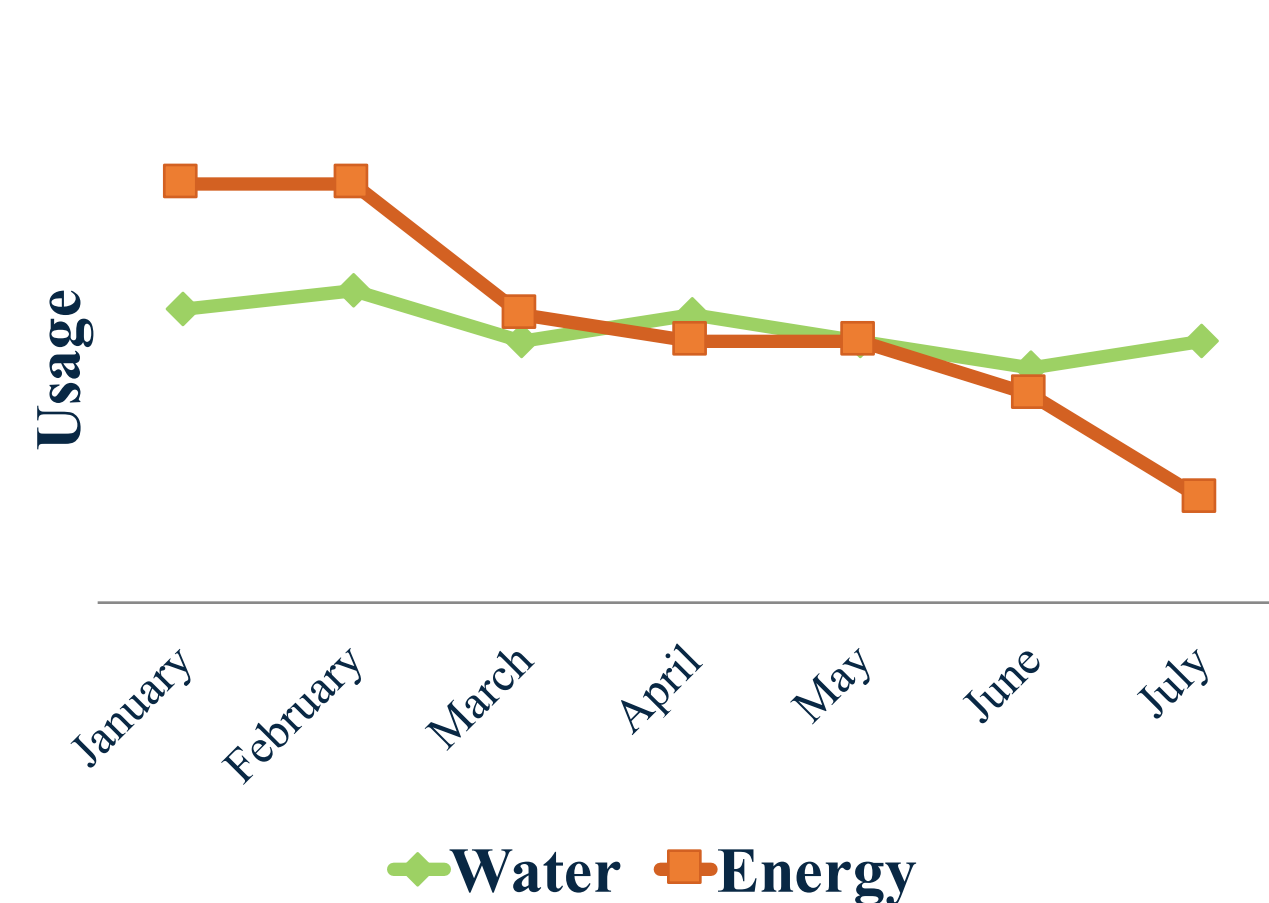
Energy Benchmarking policies initiate virtuous cycles of resource usage awareness and consumption reduction. They create and allow for:

- A rating system similar to “Mpg” but for buildings
- An "apples to apples" comparison
- Measures of ongoing progress

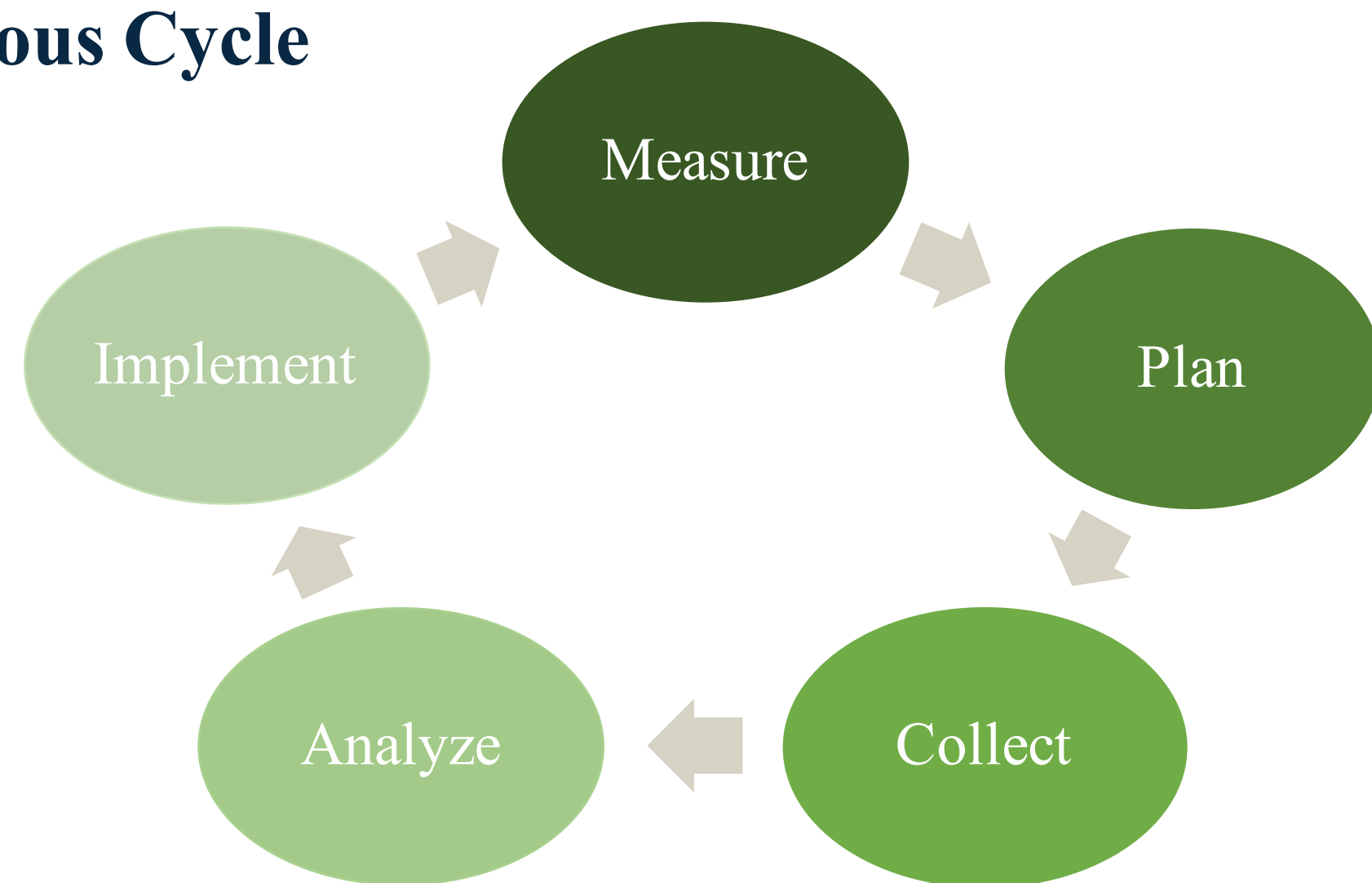
Apples to Apples Comparison



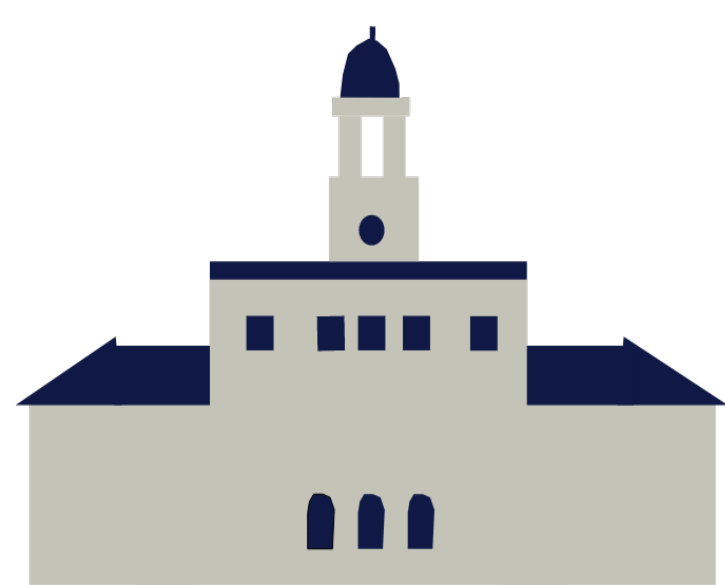
Progress Tracking



Virtuous Cycle



Covered Properties



Municipal buildings over 5,000 Sq. ft.

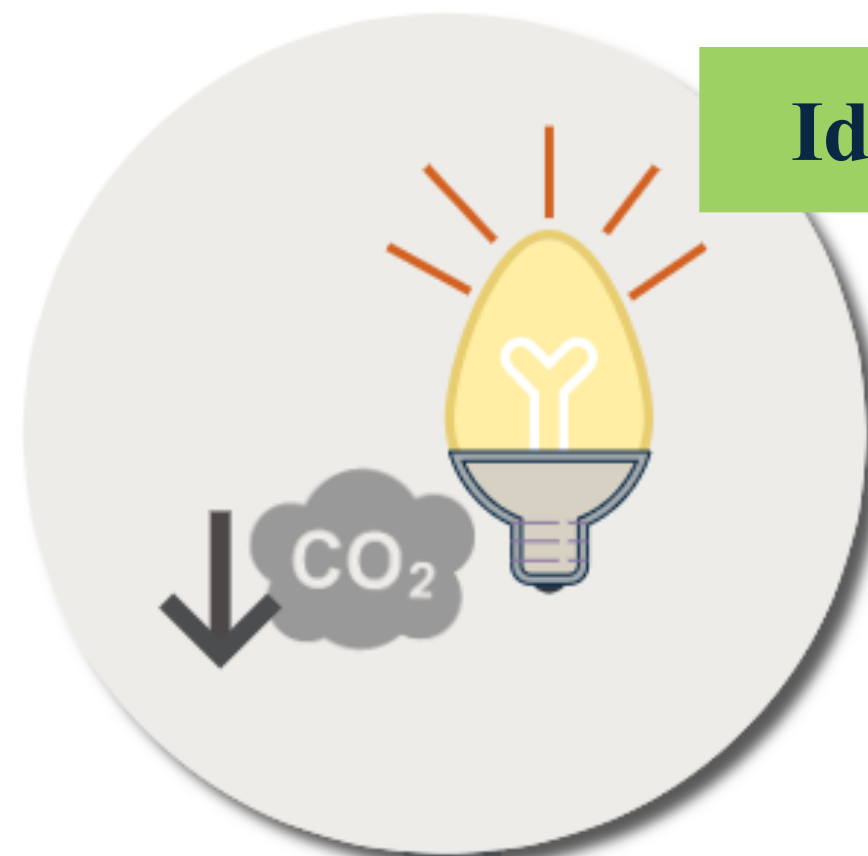


Non-residential properties over 20,000 Sq. ft.



Residential properties with over 50 units.

Idea



Portland committed to reducing greenhouse gas emissions 80% by 2050. To reach this goal, a baseline has to be established.

Action



On November 7th, 2016 the City of Portland passed the Building Energy Use Disclosure ordinance requiring all covered properties to report monthly water and energy usage.

Adoption



Before the general reporting date (December 8th, 2018), all municipal covered properties are required to report their energy and water usage.

Assistance



The municipal reporting process allows for a “best practices” guide to be created to facilitate the reporting process for all covered properties.

Compliance



All covered properties are notified of their benchmarking obligation and will begin the reporting process. Online and staff support will be provided.

Municipal Building Compliance

Complete Partial Insufficient



Discussion



Walk a mile in their shoes.

- The “trial” process for the municipal buildings provides a good indicator of what property owners will have to go through.



Don't turn setbacks into stopping points.

- Instead, come up with a creative solution or an alternative timeline.



Timing is important.

- Sometimes the systems aren't in place to make the project manageable. Be patient, do what you can with what you have.

Moving Forward



Present information to city council



Consider adjusting deadline



Work with stakeholders to create optimal data collection mechanisms



Expand the impact and usage of the data



UNH Sustainability Institute