



CAAP Teams Update

4/18/2024



Good Stewards Natural Resources

- Continuing to examine internal process and complete the EPA Land Use and Green Infrastructure Score Card as a team project
 - This Scorecard is an update to the previously named Water Quality Scorecard, which was developed in 2009. This updated Scorecard builds on the original tool by adding more information about community engagement and equity, climate change, and the broad benefits of green infrastructure.
- Continuing to plan for the use of the previous year's allocated NDI amount for BMP maintenance
- Discussing projects that address the intersection of caring for both the unhoused population and the natural environment

Clean Energy

- Looking at how we can better reach the LMI customers that the City's current community solar program has a carve out for before all of the customer slots are full
 - Combining this effort with a better public education and outreach program
- Considering the development or use of an automated tool that helps customers better understand if community solar (or other programs) would be financially beneficial for them

Resource Stewardship

- BEAM - Building Energy Analysis Manager: a tool that aggregates benchmarking data and is capable of performing automatic compliance tracking based on a jurisdiction's specific benchmarking or building performance standard policy
- Planning for next steps following the completion of the municipal benchmarking project by gathering information from BEAM on the tools and services they have to offer:
 - The BEAM Optimization tool evaluates the suite of possible efficiency measures from a detailed audit or online analysis of the building's characteristics and generates a building-specific roadmap of upgrades. The pathway is designed to ensure that retrofits and investments made to the property help meet local emissions or consumption targets, including building performance standards.
 - The tool takes into account the remaining lifetime of existing energy systems, the cost savings of individual measures, the lifetime of proposed systems, investment budgets and non-compliance penalties to recommend an appropriate sequence of investments for each individual building

Building Energy Analysis Manager (BEAM)

Building Optimization Tool



1. Virtual Audit

ASHRAE Level I

- The building provides twelve months of consumption data
- BEAM generates a report highlighting energy savings potential
- This ASHRAE Level I Audit uses the DOE [Building Efficiency Targeting Tool for Energy Retrofits](#) (BETTER) to identify the most cost-saving energy efficiency measures



2. In-Person Assessment

Refining the Results

- Goal Setting: Discussion with building manager to understand climate goals, current energy usage and policy considerations
- Building characteristics are collected via [DOE Audit Template](#) or an excel file
- Audit results will include a suite of energy efficiency measures and associated savings



3. Building Optimization

Develop the roadmap

- Individual building roadmap is created by the BEAM Optimizer taking into account the building efficiency measures, a budget and energy goals or climate targets
- The roadmap includes links to incentives, C-PACE lenders, green banks and other resources to help achieve energy goals

Healthy Housing

- Completed the Rental Home Energy Efficiency Map
https://www.google.com/url?q=https%3A%2F%2Fexperience.arcgis.com%2Fexperience%2Fe0f021ac82e24508a86eedcfd5cf4455&sa=D&ust=1713276180000000&usg=AOvVaw3gbafi_xHM3BaAGJnzxx0z
- Moving forward with the rental home energy efficiency scoring pilot to get baseline rental efficiency data. This data will tell us where potential retrofit opportunities may be most worthwhile

Clean Transportation

- Exploring ways to further institutionalize the Fleet Electrification Policy:
 - Using a fuel card system for fleet EVs
 - Driver onboarding and training for staff
 - Further integrating the Fleet Electrification Policy into departments' vehicle purchasing/replacement process (FOC flow chart)

- All three chargers for the 7 Ford Lightnings across 3 sites have been ordered: WWTP, Landfill, Electric Distribution
 - Continuing discussions with Ford to avoid supply chain delay issues at one site