Climate Action Planning Institute
Dutchess County

Session 6: Government Operations GHG Inventories: Data Collection, Part 2

March 15, 2023

CAPI Dutchess is funded by the NYS Department of Environmental Conservation and is a partnership between Dutchess County, HVRC, and ICLEI.
Agenda

Your GHG inventory is (nearly) complete. Now what?

Forecasting and Target-Setting

Stakeholder engagement in Climate Planning
Understanding Community Priorities

Spring - Summer 2017
Phase One
- 6 focus groups
- 3,900 residents reached through phone, online, and in-person citywide surveys

Fall 2017 - Spring 2018
Phase Two
- 18 pop-up conversations across all eight wards
- 7 topic-specific working groups developed recommendations
Plan Release

Summer-Winter 2018
Phase Three

- June: released draft framework
- August: released draft plan
- December: finalized plan

3 citywide meetings to better understand community priorities
1. Inventory GHG Emissions
2. Establish Reduction Target
3. Develop Climate Action Plan
4. Implement Policies & Measures
5. Monitor & Verify Results

Leadership Commitment
Forecasting and Target-Setting
Establishing Reduction Targets

- **GHG Inventory** reveals current emissions
- **A Forecast** projects future emissions
- **A Target allows a local government to quantify its commitment** to fighting climate change.

Include clear dates (targets and baselines), emissions levels (%), and GHGs covered (CO$_2$ only or all GHGs measured in CO$_2$-equivalent (CO$_2$e))
Establishing Reduction Targets

Range of emissions based on reduction targets in gray shows the emissions pathway if high-ambition policies were to achieve similar rates of emissions reduction after 2035.
Types of Targets

- **Most common:** Percentage emissions reductions by a certain date
  - Include baseline year that reductions are measured from
  - Ex. 30% reduction below 2005 GHG emissions by 2025

- **Decarbonization**
  - Reducing proportion of CO₂ or GHGs, in energy, industry, transport, etc.
  - “Full decarbonization” is producing 0 emissions without sequestration

- **Carbon or climate neutrality**
  - Net-zero human-caused CO₂ or GHG emissions by a set date
  - Emissions removal/sequestration must compensate for all emissions

- **Net-zero carbon or GHG emissions**
  - Similar to neutrality, but sometimes associated with offsets
Establishing Reduction Targets

- Science-Based Targets are:
  - Measurable, actionable, and time-bound climate targets (2030)
  - Aligned with Earth’s limits (1.5°C) and societal sustainability goals
  - SBTs consider **Equity**, the **Carbon Budget**, and a **Fair Share**.
    - Scaled goals for countries/jurisdictions with different capacities and different responsibilities
    - Ambitious goals for high capacities (GDP/capita) and large responsibilities (GHG/capita)
Identify Actions and Develop Climate Action Plan

King County Wedge Analysis to Achieve Shared Countywide GHG Targets

1. Strengthen building energy codes
2. Reduce energy use in buildings & industry
3. Transition fossil fuel use in buildings to electricity
4. Protect federal vehicle efficiency standards
5. Reduce number of car trips
6. Adopt a clean fuels standard
7. Increase adoption of electric vehicles
8. Phase-out hydrofluorocarbons
9. Implement 100% clean electricity use
Stakeholder Engagement In Government-Operations Climate Action Plans
<table>
<thead>
<tr>
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<th>Formative</th>
<th>Advanced</th>
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<tbody>
<tr>
<td><strong>Leadership Support</strong></td>
<td>No engagement</td>
<td>Management has been engaged or briefed</td>
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<td></td>
<td>Management has requested information or action</td>
<td>Management is seeking or pursuing resources or policy development</td>
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<td>Management has approved budget resources and assigning responsibilities for delivery</td>
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<td><strong>Agency</strong></td>
<td>No recognition of the role(s) of government</td>
<td>Limited understanding of departments and services</td>
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<td>Ability to identify critical services and resources</td>
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<td><strong>Capacity: Staffing</strong></td>
<td>No assigned staff</td>
<td>1-2 staff assigned to acting on determined projects</td>
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<td>Cross Department communication is functional and occurring</td>
<td>Multiple departments and agencies are engaged and assigned responsibilities</td>
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<td>Clear demonstration of cross department capabilities to execute identified project</td>
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<td><strong>Capacity: Fund-alignment</strong></td>
<td>Zero budget available</td>
<td>Budget resources or program budget in development</td>
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<td>Budget resources are identified and integrated into budget cycle</td>
<td>Budget reflect and are approved by governing body</td>
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<td>Resources are budgeted and allocated</td>
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<td><strong>Community Involvement</strong></td>
<td>No community engagement has occurred</td>
<td>Community has been notified of project</td>
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<td>Community’s input has been solicited and meaningfully incorporated</td>
<td>Community members are active stakeholders in project development</td>
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<td>Community members are co-investors or co-developers working towards delivery</td>
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<td><strong>Partnerships</strong></td>
<td>Project has no partners</td>
<td>Project is working to identify potential collaborations</td>
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<td>Key partners are identified and being engaged</td>
<td>Partners are engaged and co-creating program delivery design</td>
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<td>Partnerships have a formal agreement and outline of expectations</td>
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Leadership Support

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The Communications Equation

Objective + Audience + Unique Value Proposition + Channels + Facts

= good communications
(effective, interesting, funny, thought-provoking, life-changing)
Climate & Sustainability Communications Resources

Climate & Sustainability Communications Member Toolkit

Engaging Meaningfully: Leveraging Community Engagement to Advance Implementation

The Ambition Gap: From Intent to Implementation in Local Climate Action – Policy Brief
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