

Climate Change Advisory Committee (CCAC): Recommendations for Completing GHG Inventory and CCAC Status

Tuesday January 9th, 2018

Overview

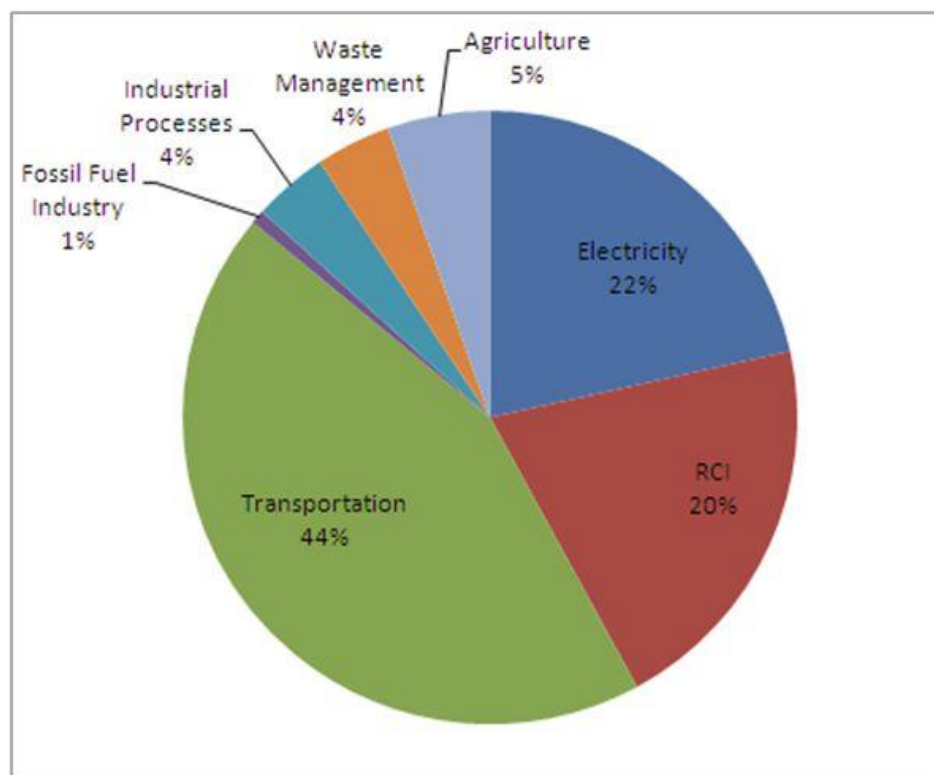
- Request funds to complete a Greenhouse Gas (GHG) Inventory for the Island.
- 2017 Progress
- 2018 Plans

Background

- **Council directed CCAC to:**
 - Provide advice/recommendations on completing GHG inventory for Island (2.37.030(c)(1).
 - Assist with/manage the GHG inventory (2.37.030(c)(2).
- **Why complete an inventory?**
 - Help meet existing commitments (Paris Agreement and Mayor's Climate Protection Agreement)
 - Assist to develop specific emission reduction targets.

What is the Product?

Share of Emissions by Sector for Washington



Source: Washington State GHG Inventory, 1990 – 2010

How will it be used?

- Set reduction targets.
- Inform City Policies.
- Educate Citizens.

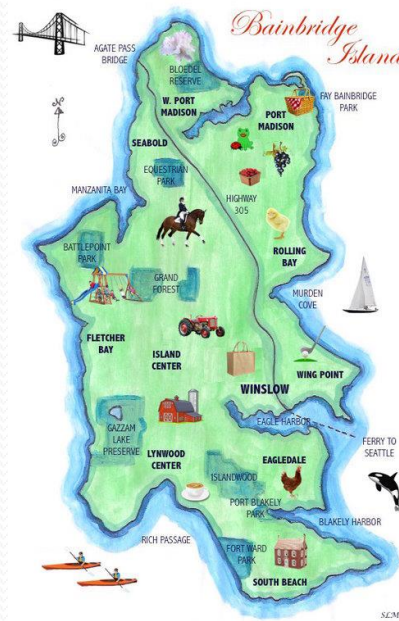
GHG Emissions Reduction Targets

- ❖ *Near-Term (2020) GHG Emissions Reduction Goal*
Reduce GHG emissions to 50% below 1990 levels by 2020
- ❖ *Long-Term (2050) GHG Emissions Reduction Goal*
Reduce GHG emissions to 80% below 1990 levels by 2050



Inventory Scope?

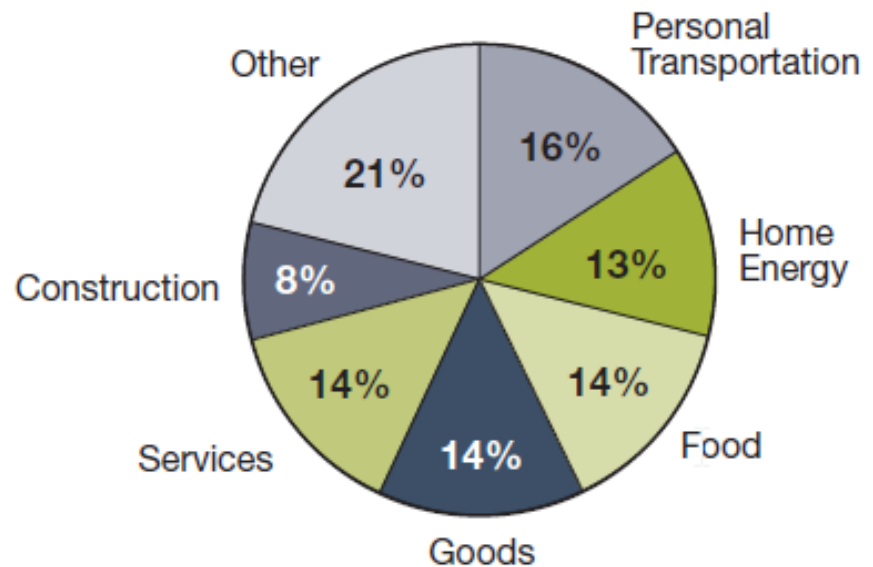
- City Operations.
- Community Wide.
- County wide.
 - Completed by Puget Sound Clean Air Agency.



Type of Inventory?

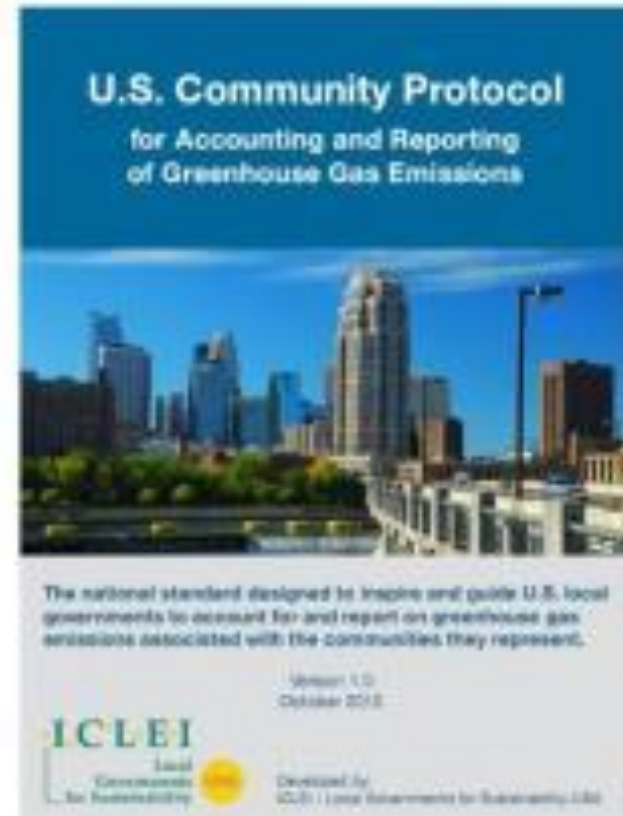
- **Geographic:** Most common; good tools.
- **Consumption:** More on individual choices; tools not as good.
- **Hybrid:** Use geographic but supplement with consumption.

KING COUNTY COMMUNITY
CONSUMPTION BASED
GREENHOUSE GAS EMISSIONS
Total: 55 Million Metric Tons CO₂e



Protocols?

- **Global Protocol:** Gold standard; complicated.
- **ICLEI Community Protocol:** Designed for communities.
- **ICLEI Local Gov. Operations:** Focus on local gov.



Costs, Timeframe, and Staff time

- **Estimated \$10,000 - \$15,000; take 1-3 months.**
 - Time consuming to collect/organize data.
 - Staff/CCAC members do not have time.
- **Minimize staff time by CCAC members helping in all aspects of process.**
 - RFP development;
 - Selection and oversight of contractor;
 - Report review.

2017 Progress

- **GHG Inventory Recommendations.**
- **Started evaluating Comprehensive Plan and climate change related actions.**
- **Established four subcommittees**
 - Best management practices to reduce GHG emissions in: transportation; electrical generation; and waste
 - Adaptation

2018 Workplan

- **Complete GHG Inventory**
- **Evaluate incorporating Climate Change into City Actions**
 - Climate Assessment Certification
 - Shoreline Master Plan
 - Sub-Area Plans
 - Green Building Standards
 - Critical Areas Ordinance
 - Police Department Building
- **Outreach and Education**
 - Increase collaboration with other City Committees
 - Maybe hold a community climate change forum in April.



Questions