Climate Smart Communities
Cleaner Greener Communities

Regional GHG Inventory Effort
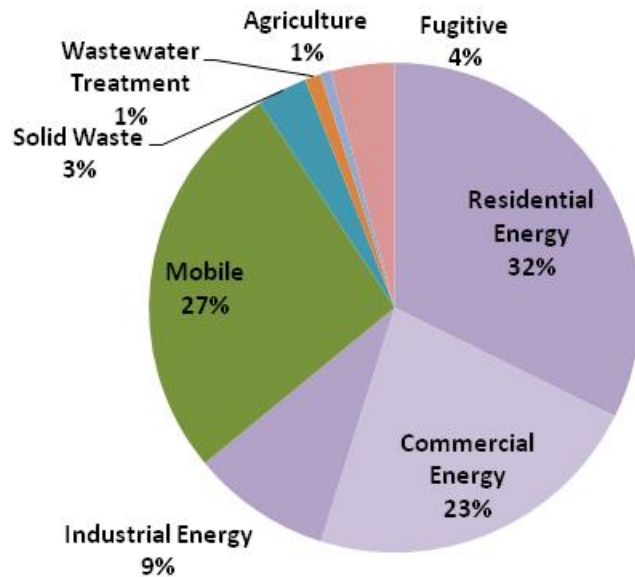
In support of long term planning for

Energy, Transportation, Waste, and
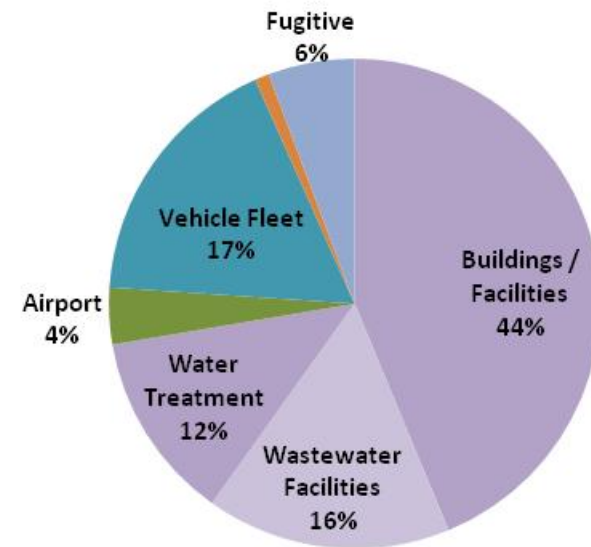GHG emissions

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GHG Inventory Basics

Community/Regional Emissions

Agriculture 1%
Fugitive 4%
Wastewater Treatment 1%
Solid Waste 3%
Residential Energy 32%
Mobile 27%
Commercial Energy 23%
Industrial Energy 9%

Government Operations Emissions

Fugitive 6%
Vehicle Fleet 17%
Airport 4%
Water Treatment 12%
Buildings / Facilities 44%
Wastewater Facilities 16%

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Taken the CSC Pledge?

GHG Policy Saves Money

| Facility/Fleet Plan Savings Summary			
Energy Plan Policy Goals		**Annual Savings**	
Facility Energy Reduction Goal (reduce by)	30%	Cost ($)	$2,163,034
Drinking Water Process Efficiency (increase by)	10%	Energy (MMBTU)	85,578
Waste Water Process Efficiency (increase by)	10%	GHGs (MTCDE)	12,474
Renewable Energy Goal (increase by)	5%	GHG % below baseline	6.4%
Fleet MPG Goal (increase by)	20%	per capita reduction	15.2%
Fleet Renewable Goal (increase by)	20%		
Fleet Miles Driven Goal (reduce by)	5%		

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Why Inventory? Performance Tracking

(Community Energy Use, Facility Energy Use, GHG emissions, etc.)
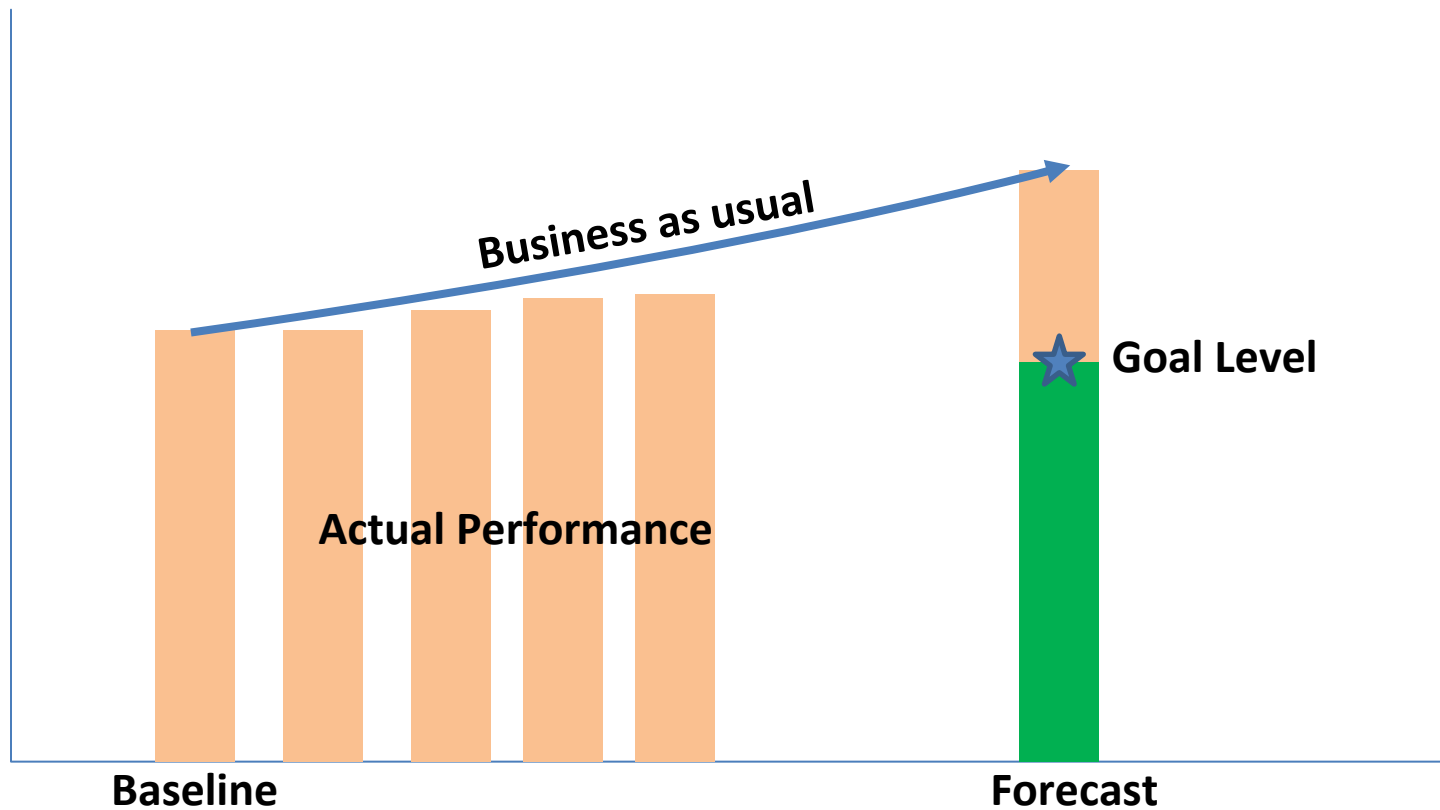
CSC Project Goals

- **Regional GHG Inventory**
  - Provide 2010 baseline community GHG inventories for all municipalities
  - Metrics for energy consumption, energy cost, transportation demand, waste generation, agriculture emissions, and other metrics.

- **Provide support government operations inventories as requested (case by case)**
  - Help you assess GHG emissions from your own operations
 - Help you set baselines for energy, cost, fuel use, etc.
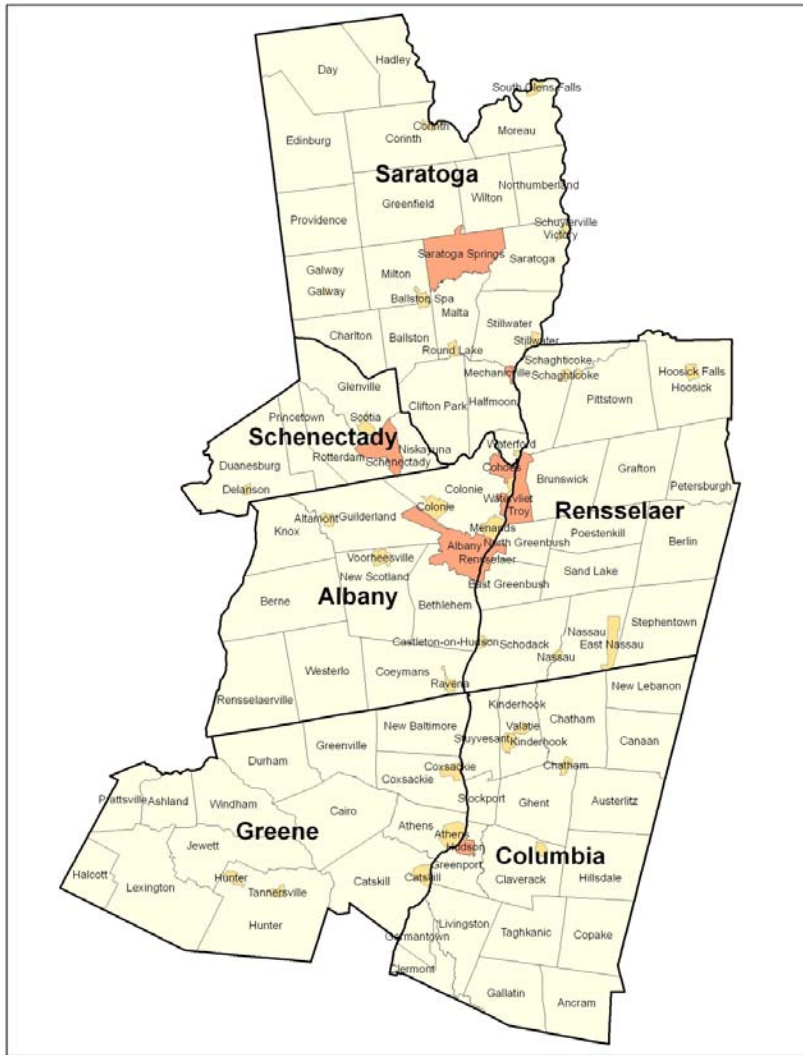
Regional GHG Outcome

GHG Inventories

1 Region-wide Inventory
6 County Level Inventories
120 Municipal Level Inventories

Related Metrics

Residential, Commercial, Industrial
▪Utility Energy Use
▪Coal, Oil, Wood
Transportation Demand / Fuel
MSW Waste Generation
Industrial Activity
Agricultural Livestock/Fertilizer Information

Example: Schenectady County
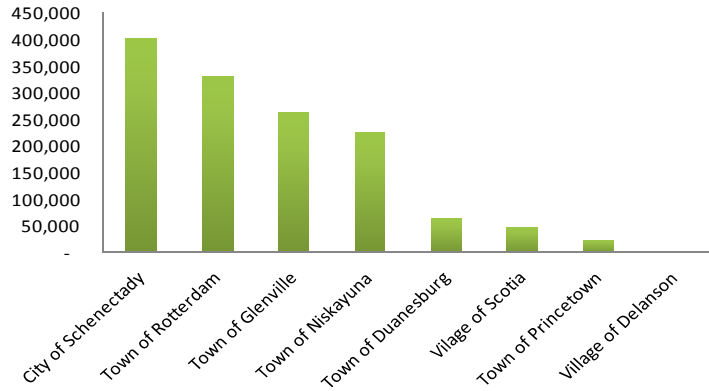
| Municipality	metric tons (CO_2e)
City of Schenectady	401,346
Town of Rotterdam	329,114
Town of Glenville	264,224
Town of Niskayuna	226,884
Town of Duanesburg	62,189
Vilage of Scotia	48,490
Town of Princetown	24,099
Village of Delanson	2,740
Schenectady County	**1,307,857**
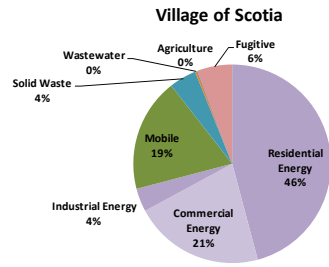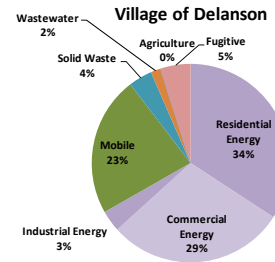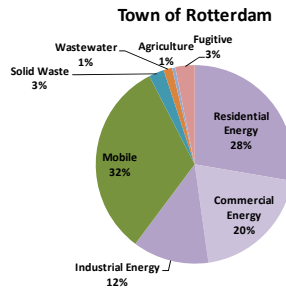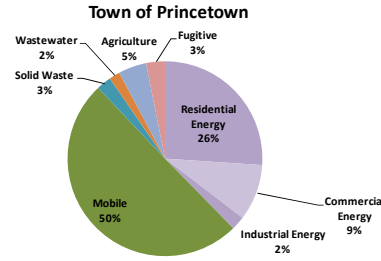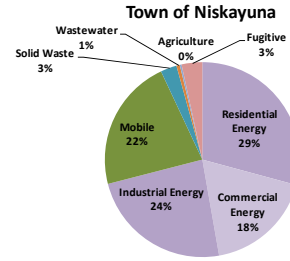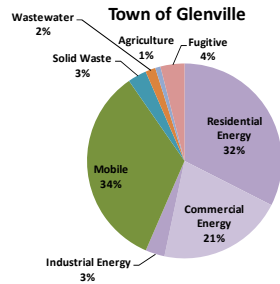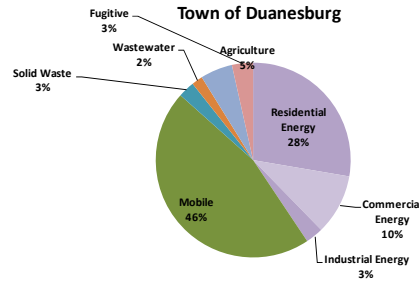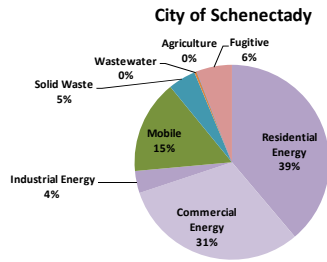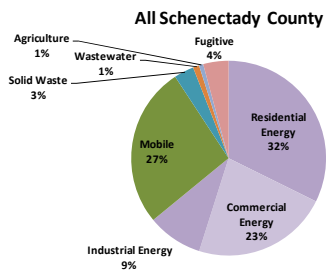
GHG Data Regionalization

- Regionalize Metrics and Data management
  - Data Support for CSC participants
  - Coordinate Data requests with utilities: National Grid, NYSEG, and Central Hudson.
  - Establish CDRPC as a long term home for data
  - Saves time and $$ for communities
- Coordinate with State GHG Working Group to create a common New York GHG Protocol

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Government Operations Support

- One-on-one support
- Q/A support, expert guidance
- Trainings
  - Utility bill management
  - Climate/Sustainability Plan Information management
  - Fleet inventory basics

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Regional GHG Inventory Timeline
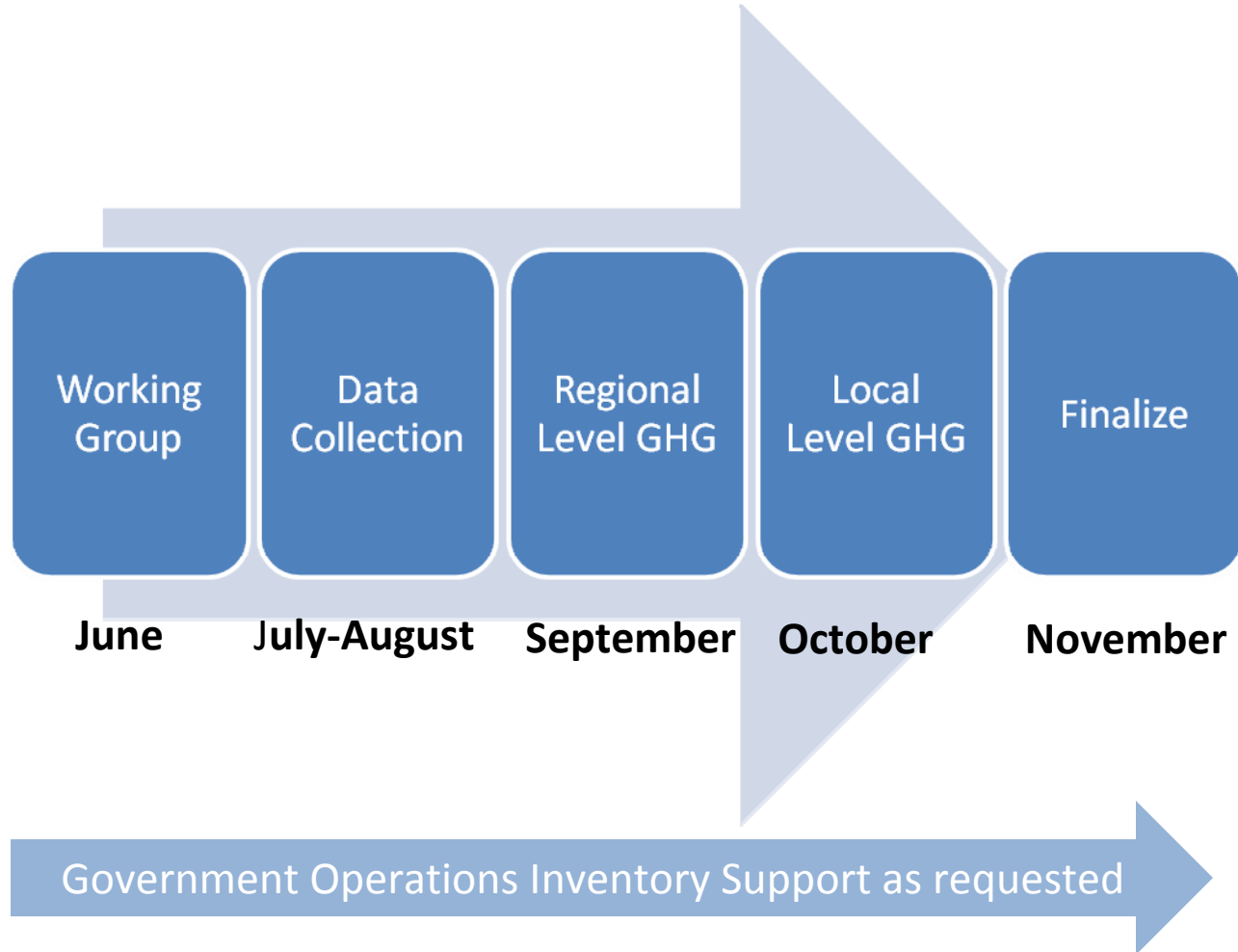
Get Involved

- Capital District GHG Working Group
  - Be on mailing list and work with others
  - Review GHG inventory products
  - Provide feedback and suggestions
- Send us information on your inventory- if you have one.

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How it Benefits you?

- Tangible product for planning
- Many metrics
- Fully consistent-you can work together with common data
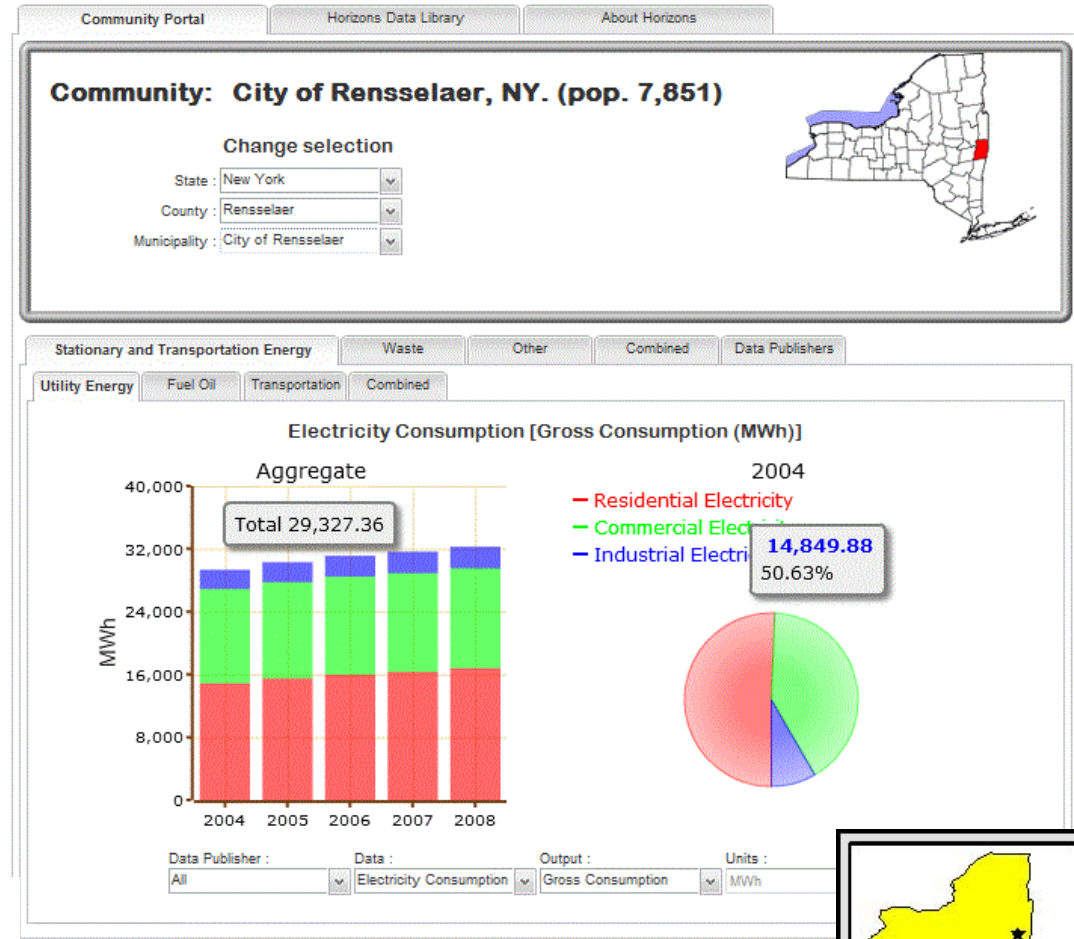
CAA Contacts

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