

# Climate Smart Communities Cleaner Greener Communities

## Regional GHG Inventory Effort

In support of long term planning for

Energy, Transportation, Waste, and  
GHG emissions



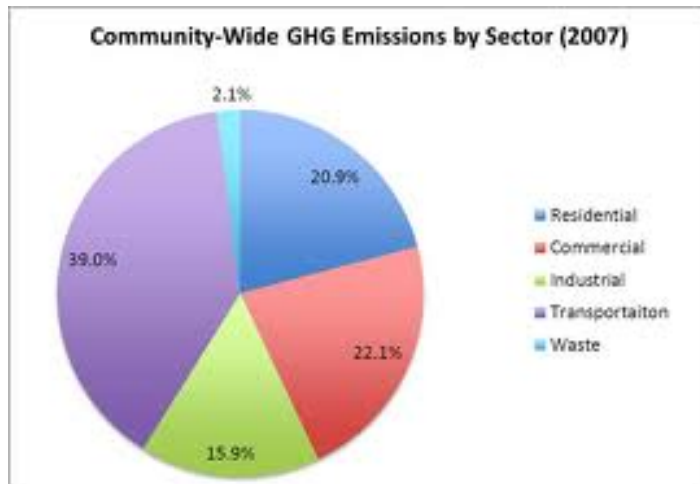
# Signed CSC Pledge?

## GHG Policy Saves Money

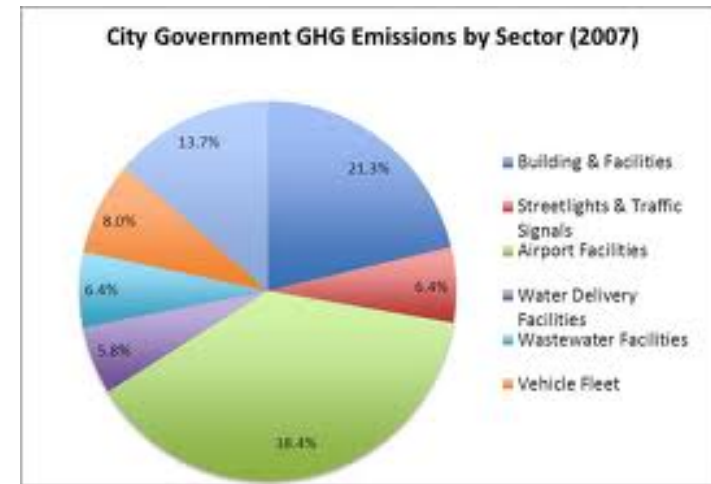
Facility/Fleet Plan Savings Summary			
Energy Plan Policy Goals		Annual Savings	
Facility Energy Reduction Goal (reduce by)	30%	Cost (\$)	\$2,163,034
Drinking Water Process Efficiency (increase by)	10%	Energy (MMBTU)	85,578
Waste Water Process Efficiency (increase by)	10%	GHGs (MTCDE)	12,474
Renewable 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%		

# GHG Inventory Basics

## Community Emissions

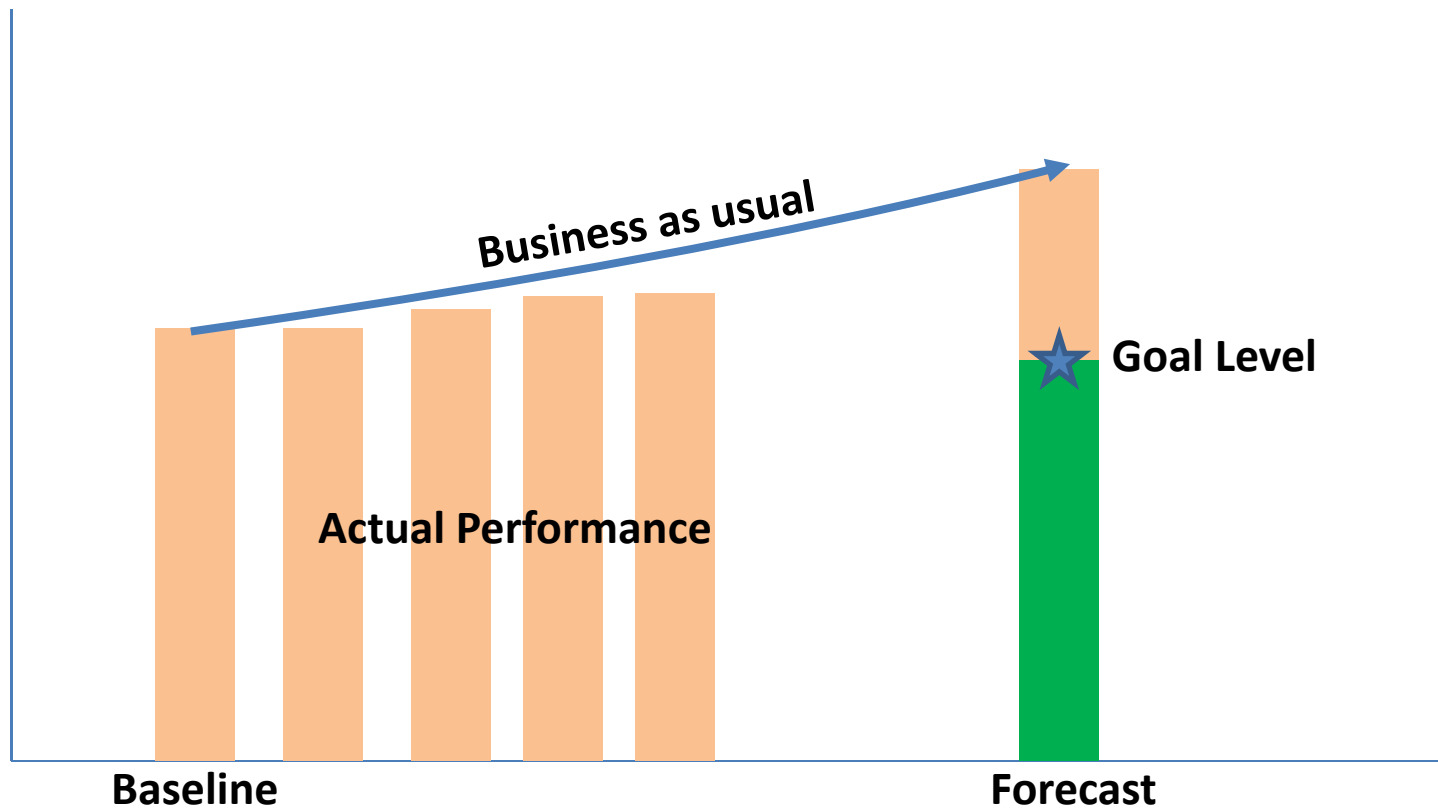


## Government Emissions



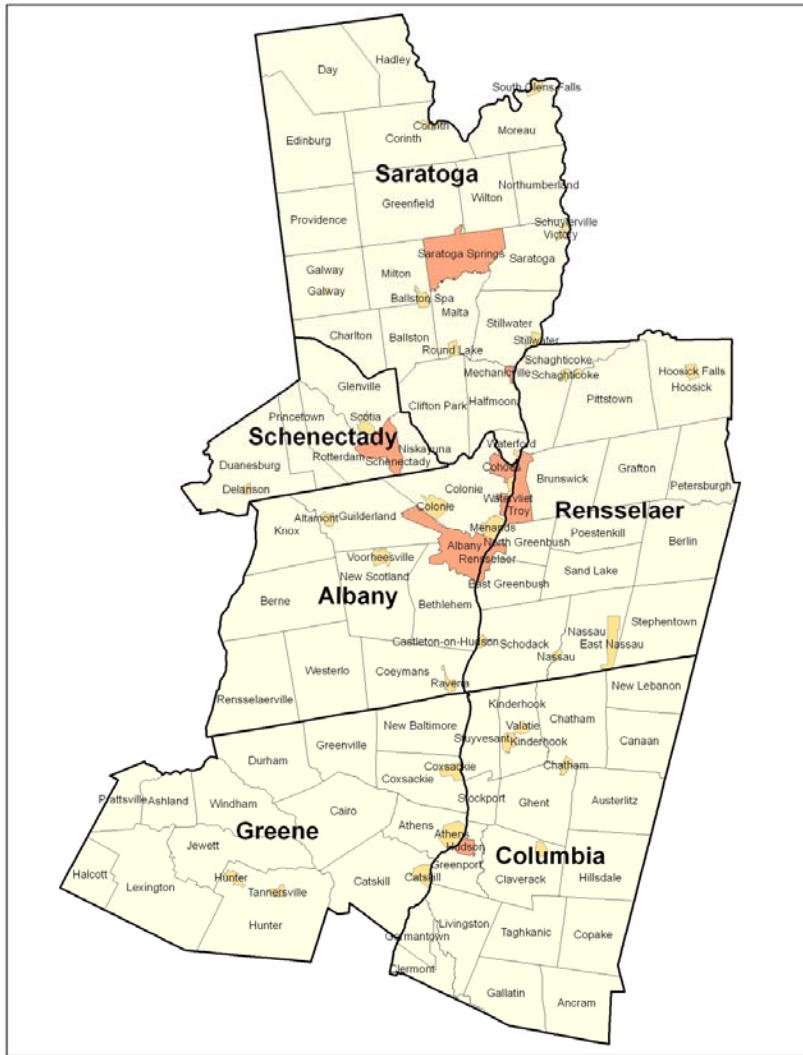
# Performance Tracking

(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 for your own government operations as requested
  - 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

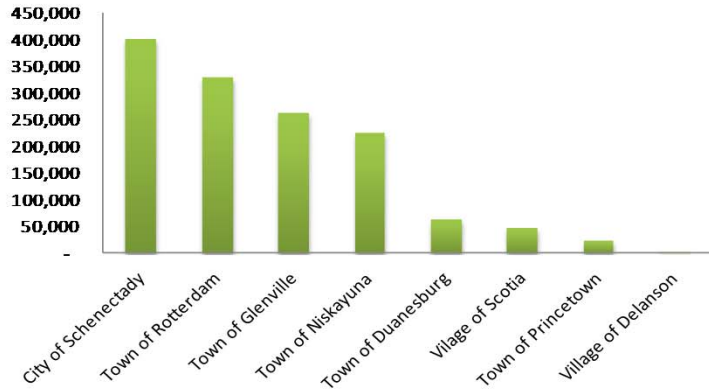
Transportation demand / Fuel

MSW Waste generation

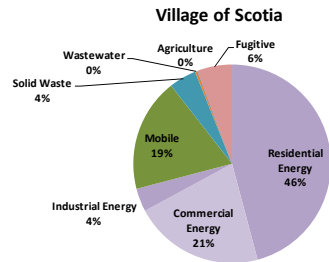
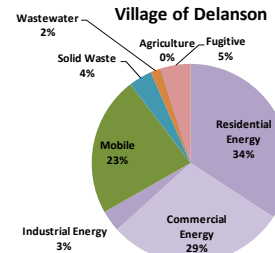
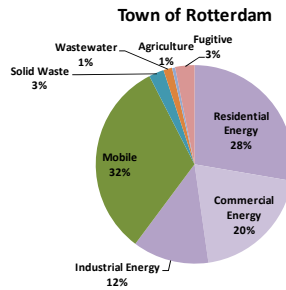
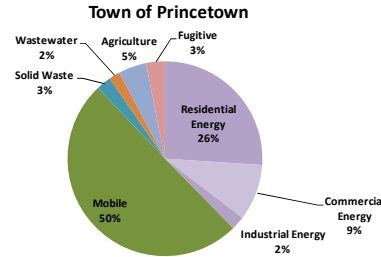
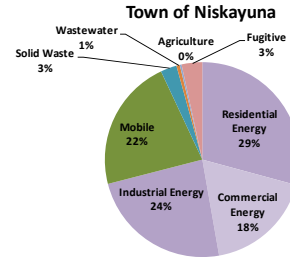
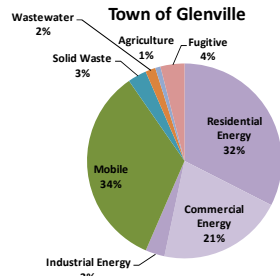
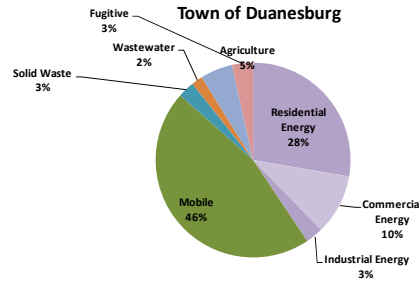
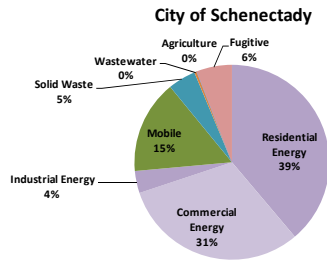
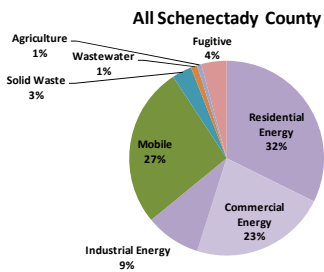
Industrial Activity

Agricultural Livestock/Fertilizer Information

# Example: Schenectady County



Municipality	metric tons (CO <sub>2</sub> e)
City of Schenectady	401,346
Town of Rotterdam	329,114
Town of Glenville	264,224
Town of Niskayuna	226,884
Town of Duaneburg	62,189
Village of Scotia	48,490
Town of Princetown	24,099
Village of Delanson	2,740
<b>Schenectady County</b>	<b>1,307,857</b>



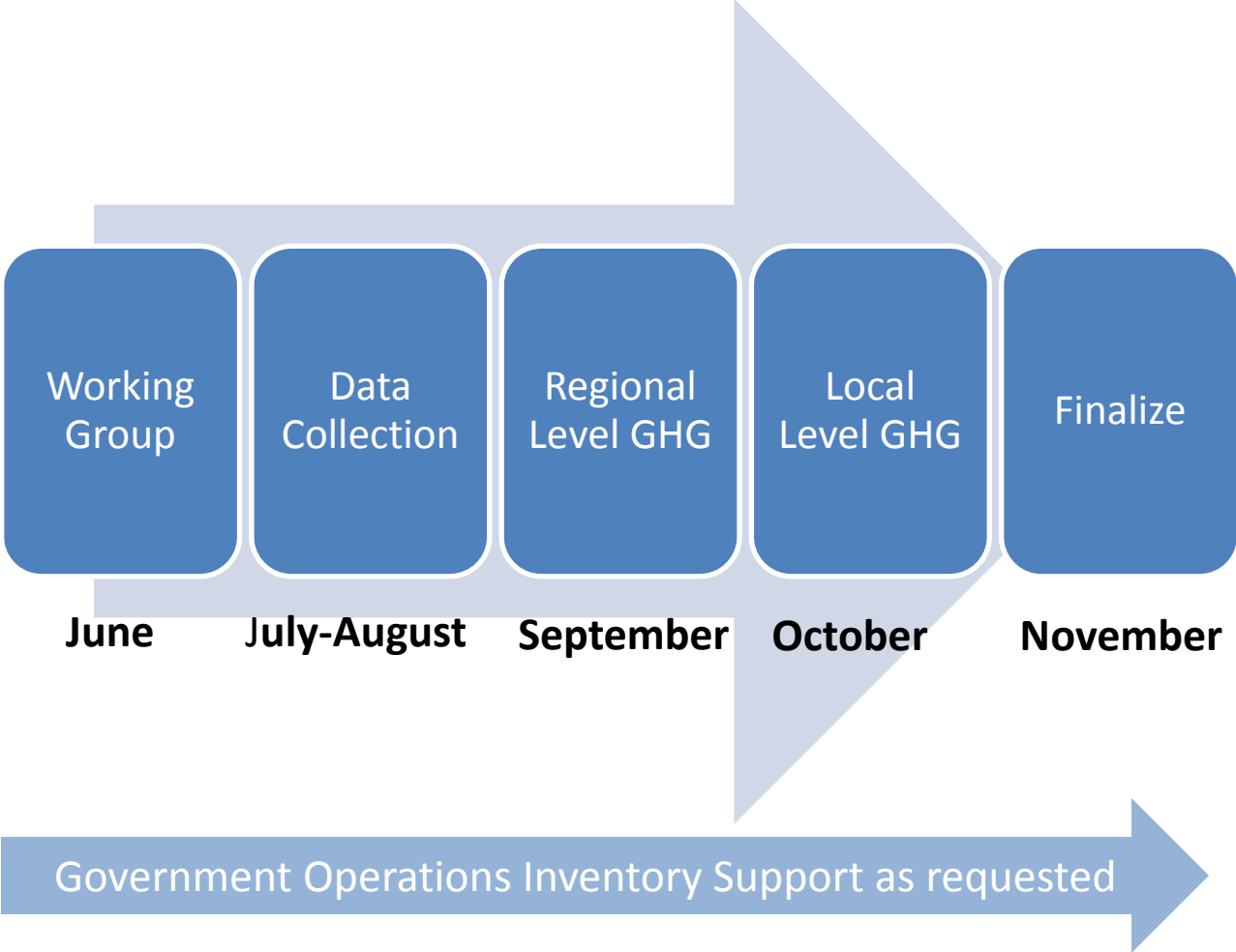
# GHG Data Regionalization

- Regionalize Metrics and Data management
  - 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 CDRPC members
- Coordinate with State GHG Working Group to create a common New York GHG Protocol





# Regional GHG Inventory Timeline



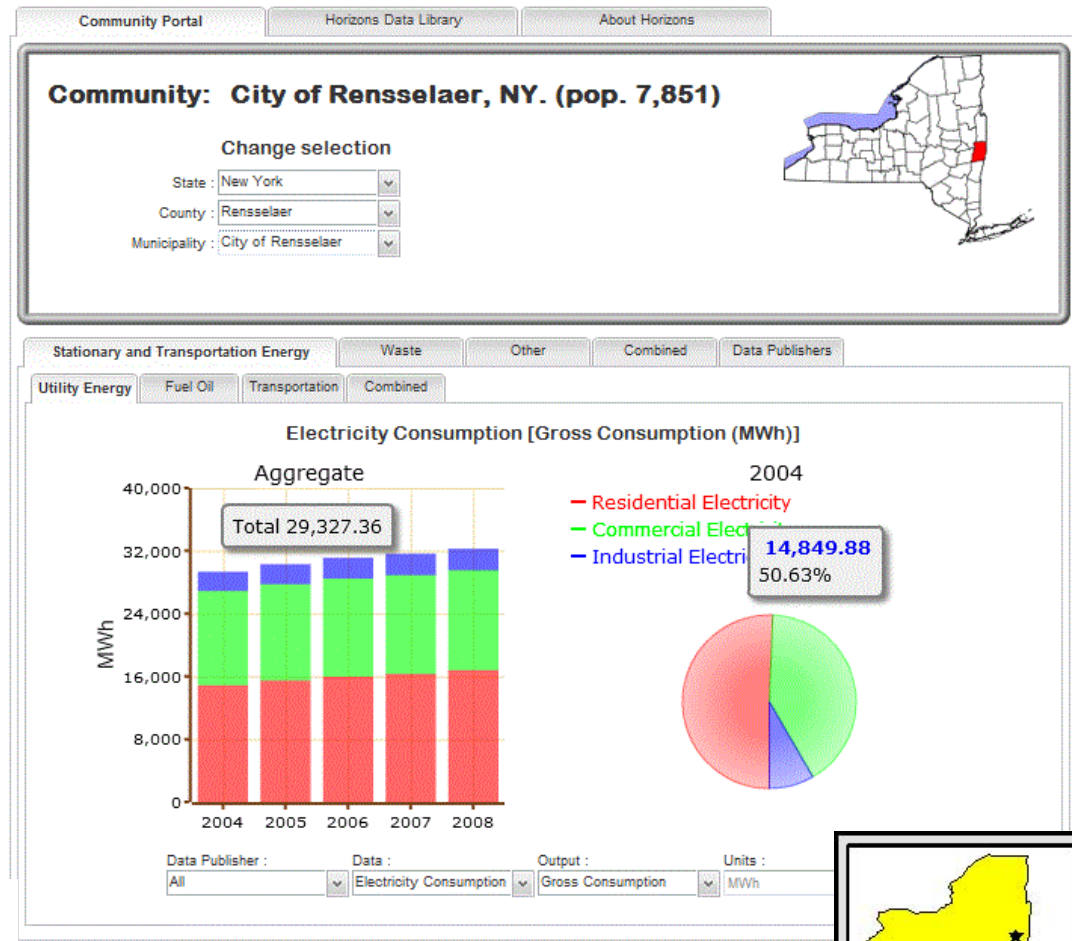
# Get involved

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



# 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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