



**Department of
Environmental
Conservation**

Regulatory Framework for Refrigerant Management in New York

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Today's Presentation

- Hydrofluorocarbons (HFCs) and New York State's climate change policies
- Status of federal programs
- Consideration to propose 6 NYCRR Part 494:
 - EPA's SNAP prohibitions
- Climate Smart Communities

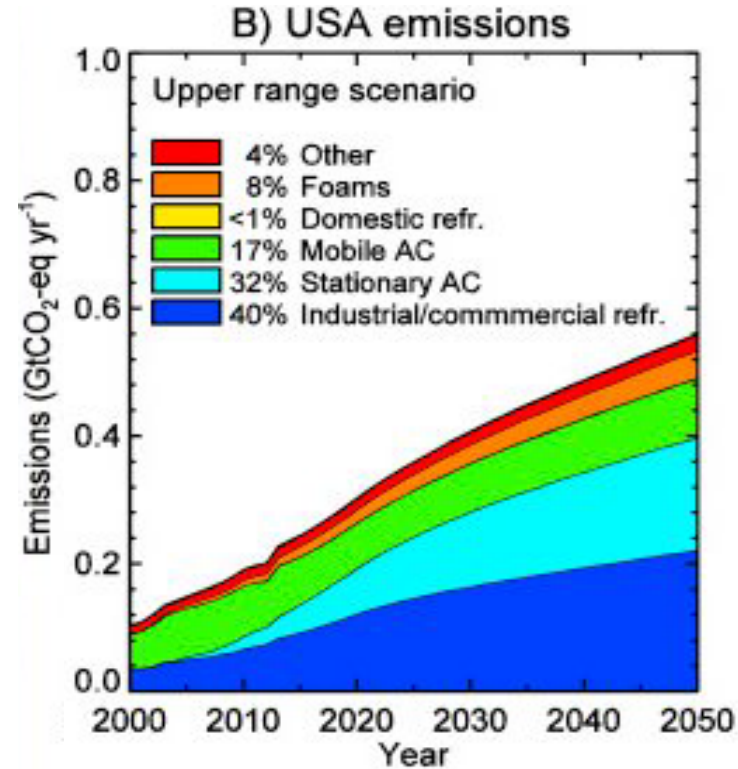


Kyoto Protocol Gases (NYS Policy Focus)

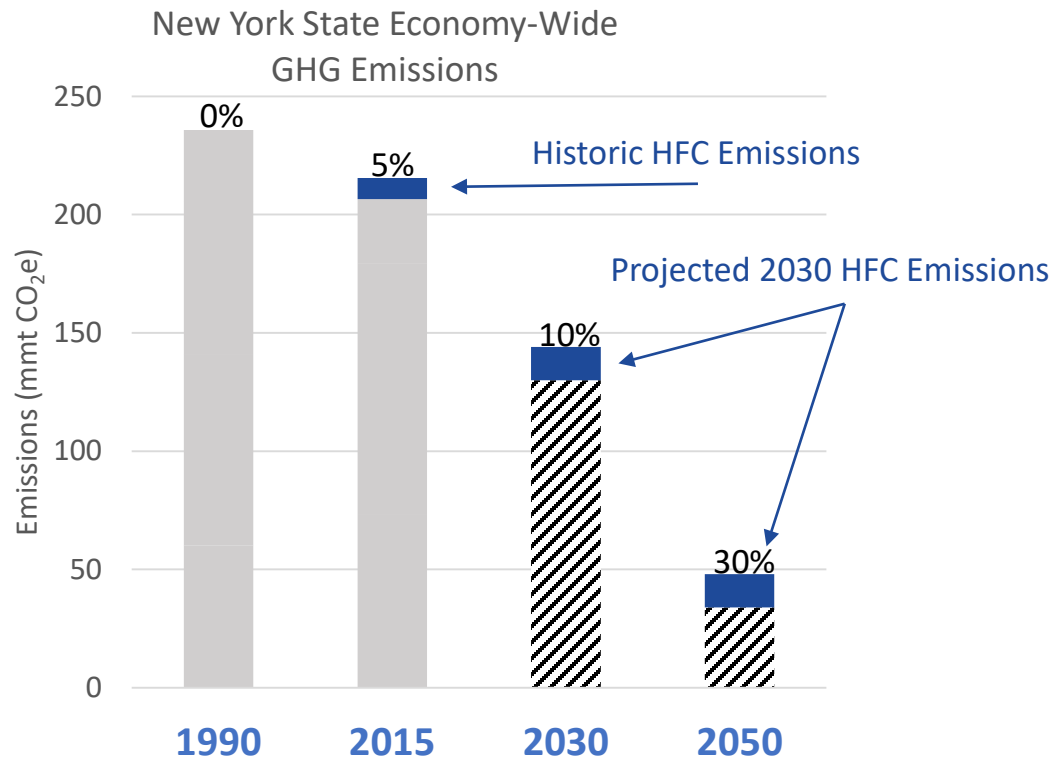
		Primary Source	Secondary Sources
Naturally-Occurring	Carbon dioxide	Fossil Fuels	Land Use, Waste, Industry
	Methane		
	Nitrous Oxide		
Man-made	HFCs	Ozone Depleting Substance Substitutes	Electronics Manufacturing
	PFCs	Aluminum Production	
	SF6	Electricity Transmission	

Key Issues: HFCs

- Substitutes for Ozone Depleting Substances
- Absent policy, HFC usage will continue to grow
- UN: HFCs will be responsible for 0.5°C of warming
- Largest source: HVAC&R



New York's Greenhouse Gas Goals



New York State's Goals

40% below 1990 by 2030

80% below 1990 by 2050

Without additional action
HFC emissions could
undermine NY's GHG goals.



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EPA Programs - CAA Title VI Section 612

Significant New Alternatives Policy (SNAP)

- Sets allowable ODS substitutes for new products by end-use, based on the availability of safe alternatives

EPA Action: De-list HFCs as safe alternative for some end-uses

- Rules finalized in 2015 (20) and 2016 (21) to prohibit HFCs
- Partial court vacatur of the 2015 rules

EPA now seeks partial or full removal of 2015 rule



HFC Announcement - September 2018

- 2018 State of the State directed agencies to address HFCs, including in partnership with the US Climate Alliance
- NY, MD, CT join California in announcing intention to consider backstopping SNAP program



6 NYCRR Part 494

- NYS considering to propose provisions of rescinded EPA SNAP rules for HFCs
- Intended applicability:
 - Food refrigeration equipment
 - Stationary air-conditioning equipment
 - Light-duty vehicles
 - Foams
 - Aerosol propellants



Status of Current Federal Policies*

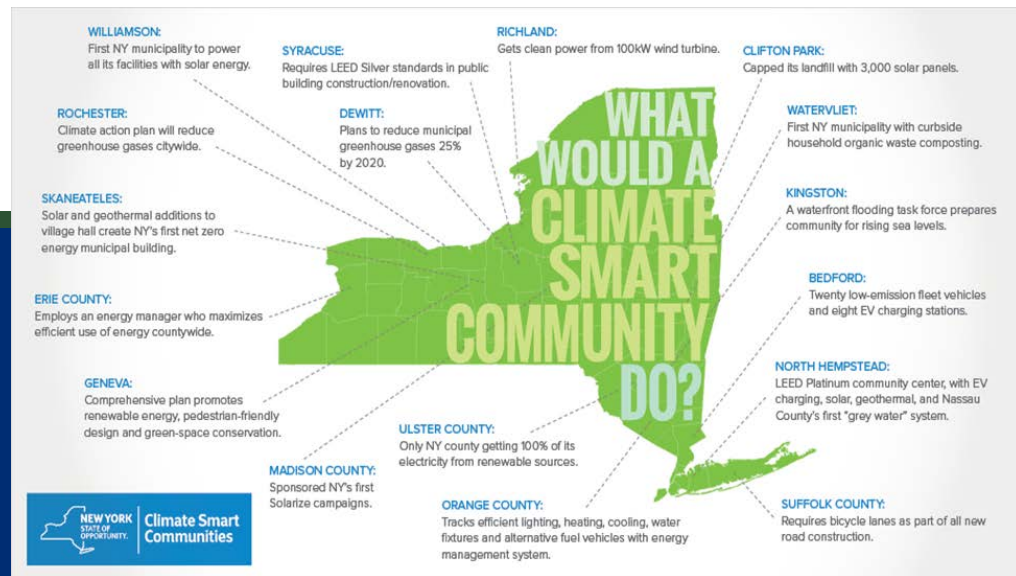
	Goal	Status
Montreal Protocol Kigali Amendment	Global phasedown of annual net supply. **	Goes into force in 2019, without the US
US EPA Clean Air Act - Title VI Stratospheric Ozone	608 Refrigerant management 612 Allowable substitutes	Partially vacated; EPA proposes to rescind in part
LD Vehicle CAFE/GHG Standards	HFCs as flexible compliance option	SAFE proposal eliminates this
US DOE Efficiency Standards	Drives equipment turnover	Partially delayed
US Codes and Standards	Enable mildly flammable alternatives	Model codes in development



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**Not including voluntary programs **CARB expects actual emission reductions to lag by ~15 years*

Climate Smart Communities



Climate Smart Communities Benefits



Climate Smart
Communities

Free technical assistance

- Regional coordinators through NYSERDA

Guidance & tools on mitigation & adaptation

- Extensive website with information and decision-support tools
- Monthly webinars, email list

Leadership recognition: Certification

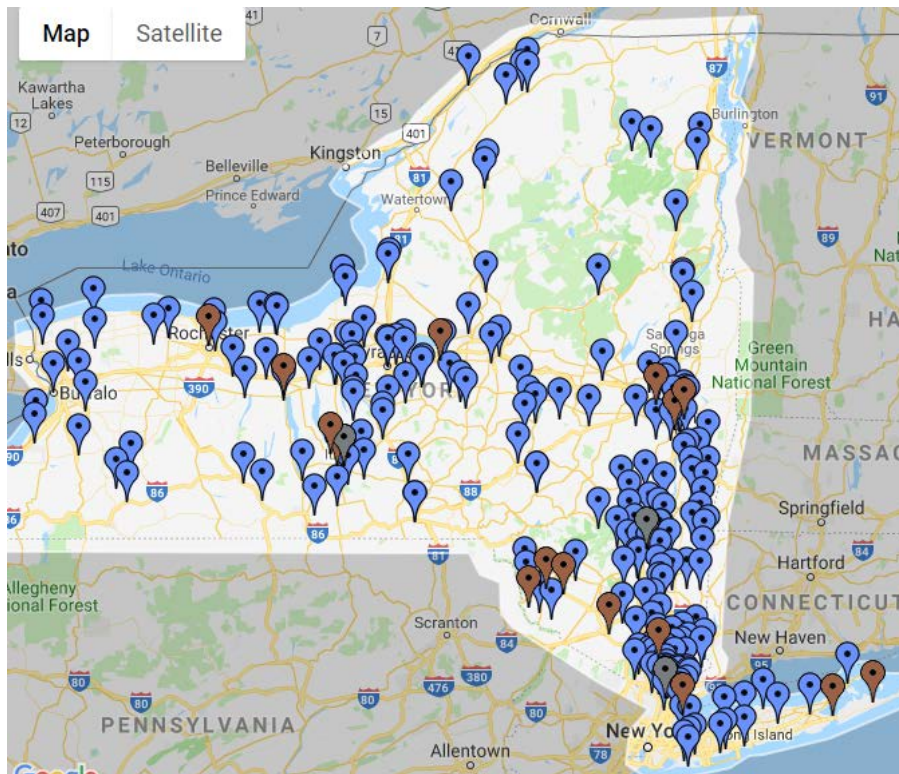
Networking

Funding

- CSC grants
- ZEV rebates



CSC By the Numbers



- **248 Registered** (since 2009)
 - 7.5 million people live in these “pledged” communities (39% of New York’s population)
- **21 Certified** (since 2014)
 - Leaders who have documented progress
 - 840 certification actions completed

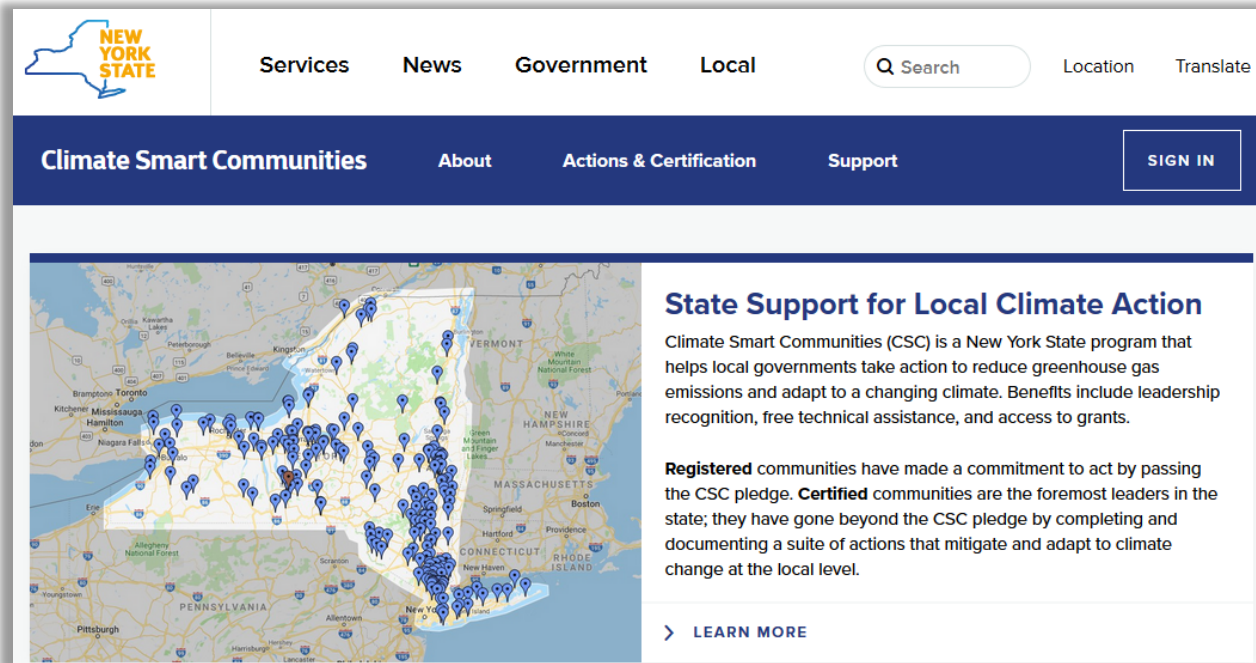
Full list at <https://climatesmart.ny.gov/actions-certification/participating-communities/>



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New Certification Portal Launched in April 2018

<https://climatesmart.ny.gov/>



The screenshot shows the homepage of the New York State Climate Smart Communities portal. At the top left is the New York State logo. To its right are navigation links: Services, News, Government, and Local. Further right is a search bar with a magnifying glass icon and the text 'Search', followed by links for 'Location' and 'Translate'. Below these is a dark blue header bar with white text for 'Climate Smart Communities', 'About', 'Actions & Certification', and 'Support'. On the right side of this bar is a 'SIGN IN' button. The main content area features a map of New York State with numerous blue location pins indicating participating communities. To the right of the map is a section titled 'State Support for Local Climate Action' with a paragraph describing the CSC program. Below this is a 'REGISTERED' section with a paragraph about community commitments. At the bottom right of the main content area is a 'LEARN MORE' link.

NEW YORK STATE

Services News Government Local

Q Search Location Translate

Climate Smart Communities About Actions & Certification Support

SIGN IN

State Support for Local Climate Action

Climate Smart Communities (CSC) is a New York State program that helps local governments take action to reduce greenhouse gas emissions and adapt to a changing climate. Benefits include leadership recognition, free technical assistance, and access to grants.

Registered communities have made a commitment to act by passing the CSC pledge. **Certified** communities are the foremost leaders in the state; they have gone beyond the CSC pledge by completing and documenting a suite of actions that mitigate and adapt to climate change at the local level.

> LEARN MORE

- Streamlines application process
- Reports with doc from certified communities
- Replaces 2014 manual



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Climate Smart Communities Grants

- Counties, cities, towns, villages only
 - No need to be a CSC
 - Other entities (non-profits, etc.) may be partners
- Required local match is 50% of eligible project costs
 - May include in-kind, including salaries
 - No state or federal funds
- Eligible costs: travel & equipment, salaries & fringe benefits, contractual services



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Connect with us:

- DEC: www.dec.ny.gov
- Climate Change Mitigation: <https://www.dec.ny.gov/energy/99223.html>
- Climate Smart Communities: www.dec.ny.gov/energy/76483.html
- Facebook: www.facebook.com/NYSDEC
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