



## **Monthly Community Meeting and CURE100 Launch**

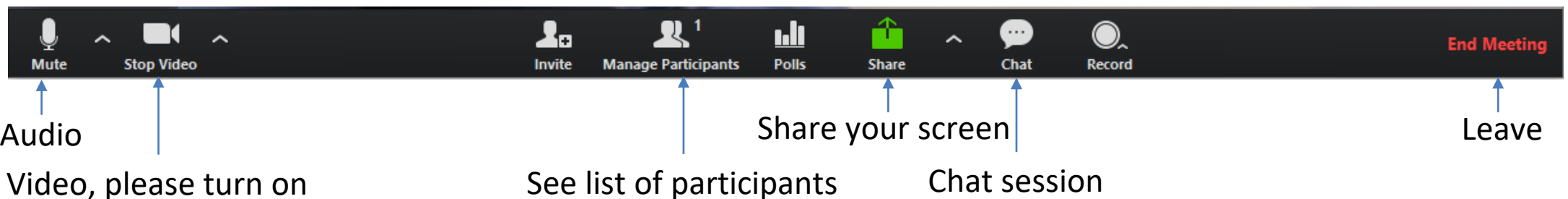
November 16, 2020

November 16, 2020 | Community Videoconference | [cure100.org](https://cure100.org)

**This meeting is being recorded!**

# How to join the videoconference

1. Find a comfortable chair, brew a nice cup of tea
2. Join from PC, Mac, iOS or Android: <https://meetings.ringcentral.com/j/9748701484>  
Or iPhone one-tap: +1(773)2319226,,9748701484#  
Or Telephone: +1 (773) 231 9226, meeting ID: 974 870 1484
3. International numbers available: <https://meetings.ringcentral.com/teleconference>
4. You have a choice of computer audio (preferred, if you have a strong internet connection) or getting audio through a traditional telephone
5. Make sure your speaker volume is up and your microphone is unmuted when you are speaking; otherwise, please stay muted to reduce background noise
5. If you have any technical difficulties, please contact Chandu Visweswariah at (202)253-3972

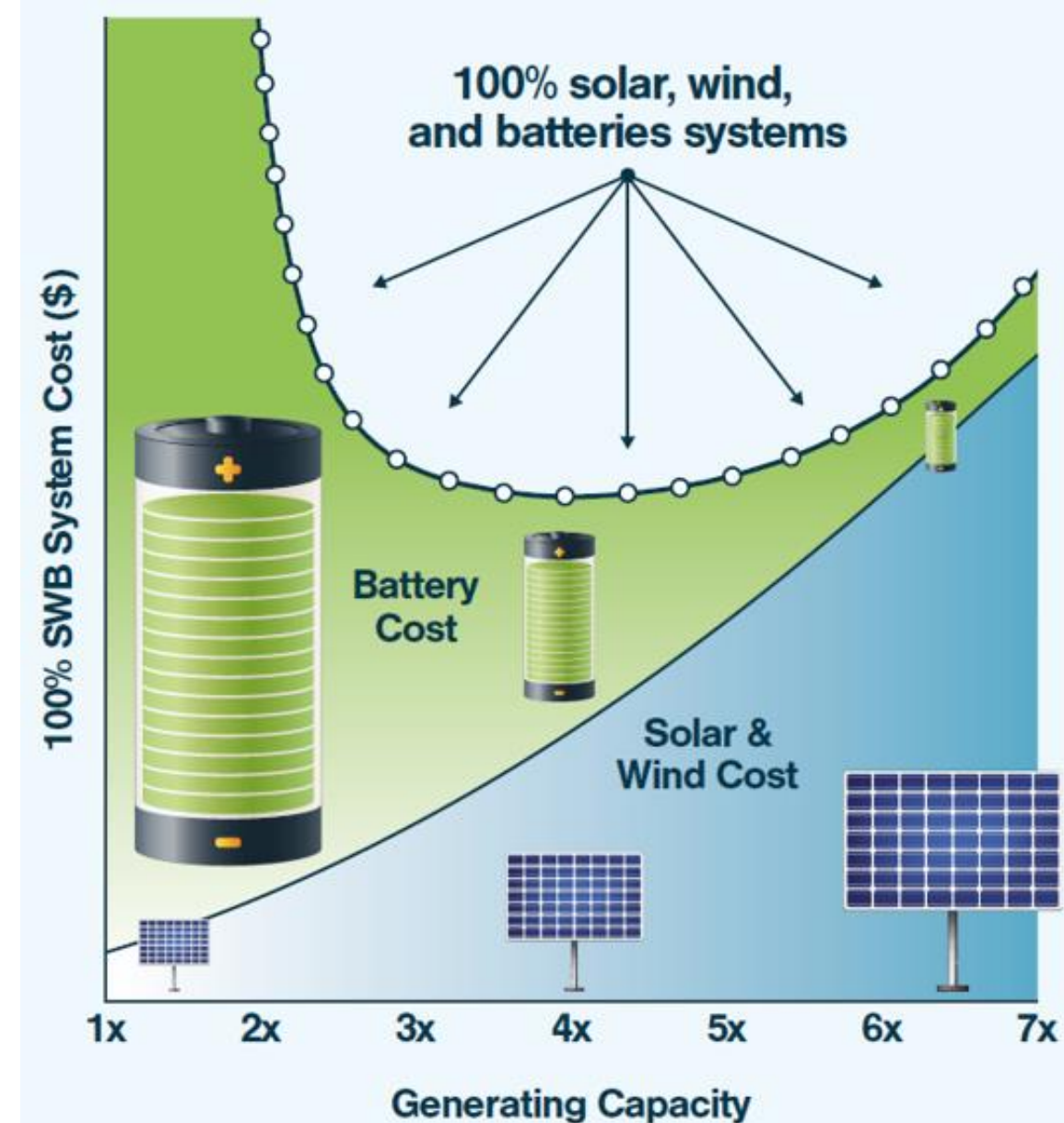


# Agenda

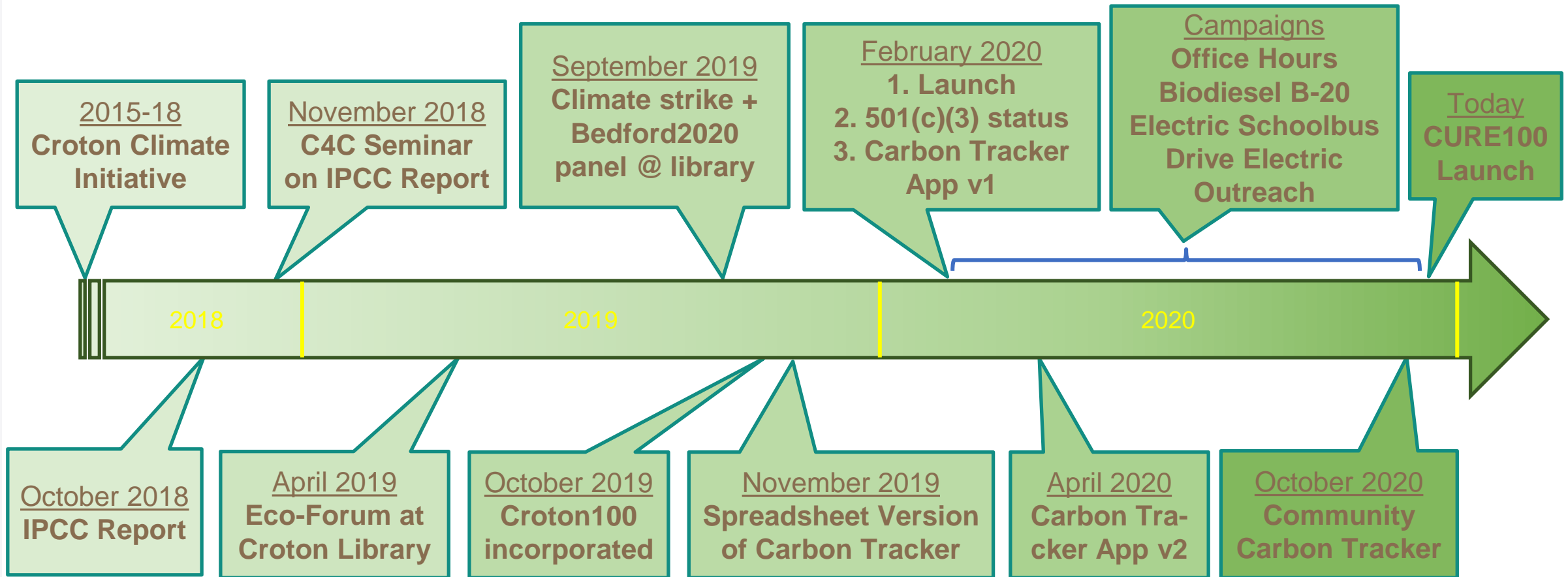
Time	Topic	Speaker
7:00 – 7:05	Welcome	Leo Wiegman
7:05 – 7:10	What is CURE100?	Chandu Visweswariah
7:10 – 7:15	NYSERDA keynote	Donovan Gordon, Director of Renewable Heating and Cooling
7:15 – 7:20	Opening remarks	NYS Senator Pete Harckham + NYS Assemblywoman Sandy Galef
7:20 – 7:25	Opening remarks	County Executive George Latimer + County Sustainability Director Pete McCartt
7:25 – 7:35	Ossining100	Dhruv Gupta, Suzie Ross + special guests Dana Levenberg (Town of Ossining Supervisor), Victoria Gearity (Ossining Mayor)
7:35 – 7:45	Bengaluru100	Rahul Jacob, Vice Chair, Bengaluru100
7:45 – 7:55	Yorktown100	Bob De Angelis + special guest Matt Slater (Yorktown Supervisor)
7:55 – 8:00	Croton's support	Brian Pugh, Croton-on-Hudson Mayor
8:00 – 8:05	Brief campaign updates	Chandu Visweswariah
8:05 – 8:15	Open discussion of CURE100 plans for 2021	All

# Today's blog: "Super Power" Can Get Us To 50% GHG by 2030

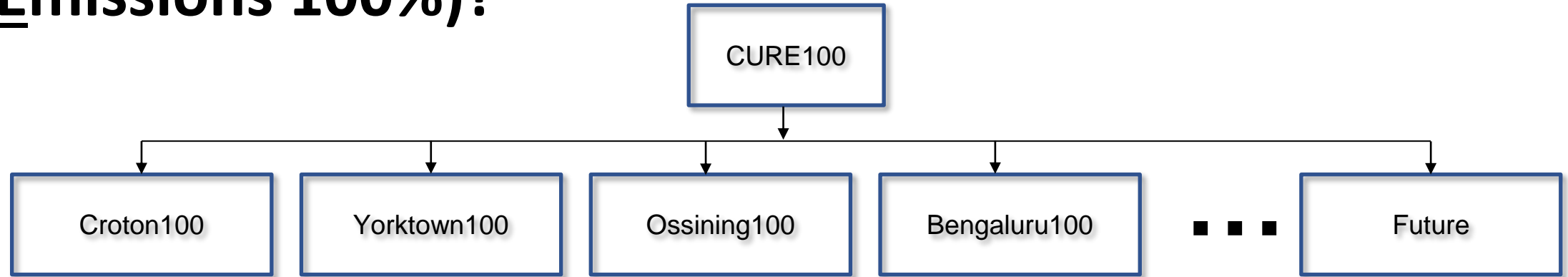
- New report from RethinkX
- 100% solar-wind-battery grid
  - Doable by 2030
  - Affordable by 2030
  - Inevitable by 2030
- Lowest cost systems by Clean Energy U Curve analysis predicts capital cost of 1% of GDP for next 10 years
- System will produce an abundance of cheap "super power" that can be used to cut GHG by 50%
- <https://cure100.org/blog/super-power-can-get-us-to-50-ghg-by-2030/>



# Brief history of **1CROTON** and **1CURE**



# What is CURE100 (Communities United to Reduce Emissions 100%)?



- Quite simply, CURE100 is a consortium of communities united by a common decarbonization mission
- Our voice will be heard if we band together
- We can help each other with best practices, know-how, campaign support, resources and outreach programs
- We have all signed “Collaboration Agreements”
- It is a testament to Croton100’s compelling mission and success that we have 4 chapters less than a year from launch!

# CURE100 resolutions passed by unanimous consent

RESOLVED that Croton100, Yorktown100, Ossining100 and Bengaluru100, all having duly signed the Collaboration Agreement and agreed to CURE100's terms and conditions, be admitted as chapters of CURE100 in accordance with Article 8 of our bylaws.

RESOLVED that each of Croton100, Yorktown100, Ossining100 and Bengaluru100 receive a \$1,000 grant to further our joint decarbonization mission in accordance with 501(c)(3) guidelines.



**Remarks by Donovan Gordon  
Director, Renewable Heating and Cooling  
NYSERDA**



Donovan Gordon speaking at Croton100 launch  
February 29, 2020



Donovan Gordon with Decarbonizer Bunnies  
February 29, 2020



# **CLCPA Overview & NYSERDA's NYS Clean Heat Market Development Plan**



**NYSERDA**

**Donovan Gordon**  
**Director, Clean Heating & Cooling**

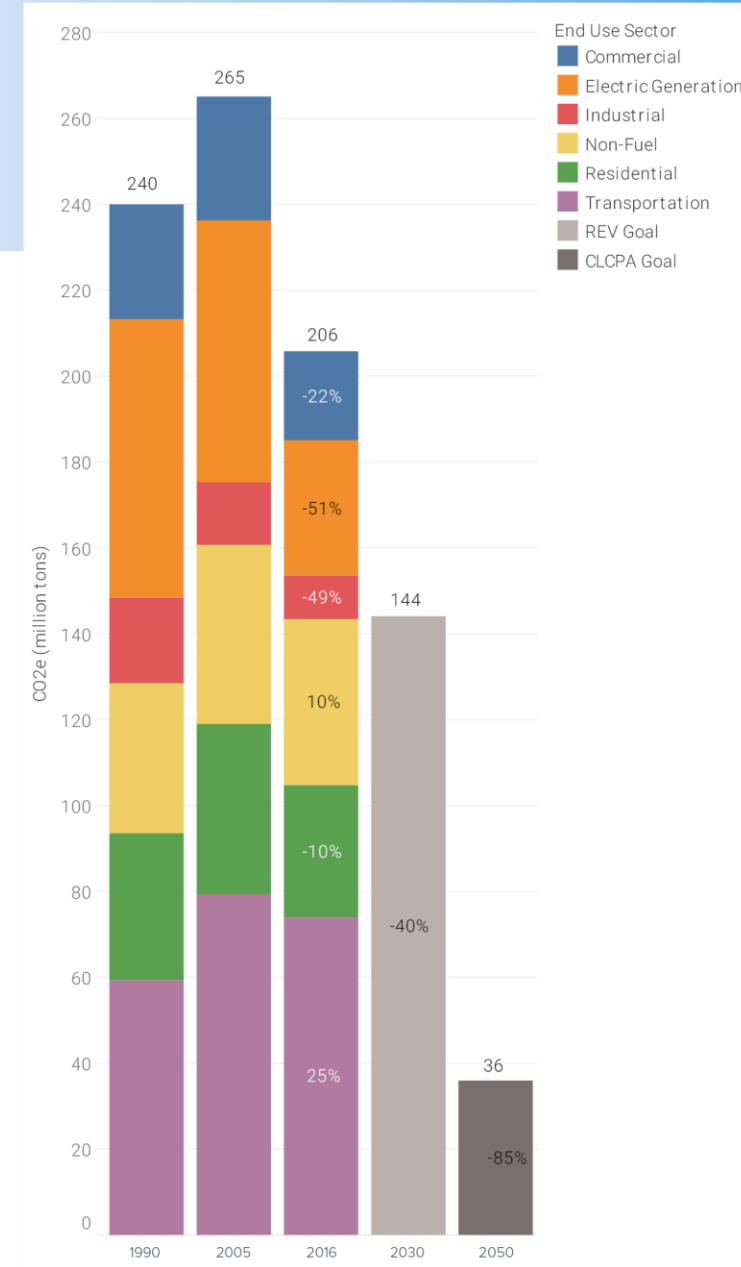
# Climate Leadership and Community Protection Act (CLCPA) – Overview

- > Most aggressive greenhouse gas reduction goals of any major economy: 40% by 2030, 85% by 2050
- > 70% renewable energy by 2030, 100% zero-carbon electricity by 2040
- > Path to carbon neutrality
- > Codifies clean energy targets
- > Commitments to environmental justice, disadvantaged communities, and just transition
- > First statutory Climate Action Council

# NYS GHG Emissions

## New York State GHG Emissions by Source Category, 2016 (MMtCO<sub>2</sub>e)

> 13% reduction in total New York State  
GHG emissions since 1990



# CLCPA by the Numbers, Targets Codified into Law

**Carbon neutral economy, mandating at least an  
85% reduction in emissions below 1990 levels**

**40% reduction in emissions by 2030**

**100% zero-carbon electricity by 2040**

**70% renewable electricity by 2030**

**9,000 MW of offshore wind by 2035**

**6,000 MW of distributed solar by 2025**

**3,000 MW of energy storage by 2030**

**185 TBtu on-site energy savings by 2025**



# Building Electrification Must be a Focus



Electric heat pumps deliver **greater efficiency** and **emission reduction** as electricity becomes cleaner

Deployment must **scale aggressively** to provide these benefits

Technology and business model **innovations** will be key to cost reduction

# NYS Clean Heat – Case-18-M-0084

- **\$454M** in Statewide Heat Pump Incentive Program
  - ❑ Consumer incentives
  - ❑ Led by: NYS Utilities
  - ❑ [NYS Clean Heat Statewide Heat Pump Program Implementation Plan](#)
  - ❑ [NYS Clean Heat Statewide Heat Pump Program Manual](#)
- **\$230M** in Market Development Plan
  - ❑ Initiatives to develop the NYS heat pump market
  - ❑ Support the goals of the Statewide Heat Pump Incentive program
  - ❑ Led by: NYSERDA
  - ❑ Plan details: Appendix 1 in the Implementation Plan

## NYS Clean Heat Market Development Plan - \$230M Building Electrification Investment (2020 – 2025)

Initiatives funded through the Heat Pumps "Phase 2" Investment Plan			
Critical Market Need	Total Funding	Initiative	Budget
TRAIN AND DEVELOP THE NEEDED CLEAN HEATING AND BUILDING ELECTRIFICATION WORKFORCE	\$38.2	WORKFORCE DEVELOPMENT	\$38.2
BUILD CONSUMER DEMAND AND MARKET CONFIDENCE AND REDUCE CUSTOMER ACQUISITION COSTS	\$60.9	<b>MARKETING</b>	<b>\$19.2</b>
		<b>COMMUNITY CAMPAIGNS</b>	<b>\$10.0</b> <sup>1a</sup>
		<b>CRITICAL TOOLS</b>	<b>\$4.0</b>
		TECHNICAL ASSISTANCE	\$27.7
DRIVE PERFORMANCE IMPROVEMENTS, REDUCE COST, AND DELIVER NEW ECONOMIC SOLUTIONS THROUGH TECHNOLOGY INNOVATION AND DEMONSTRATIONS	\$60.0	<b>CLEAN THERMAL DISTRICT SYSTEMS</b>	<b>\$15.0</b>
		HVAC TECHNOLOGY CHALLENGES	\$15.0
		EMPIRE BUILDING CHALLENGE	\$15.0
		MULTIFAMILY BUILDING DEMONSTRATIONS	\$5.0
		<b>COST REDUCTION STRATEGIES</b>	<b>\$10.0</b>
MAKE ELECTRIFICATION SOLUTIONS AVAILABLE FOR LMI CONSUMERS	\$31.0	<b>LMI</b>	<b>\$31.0</b> <sup>1b</sup>
MAKE PRODUCTS AVAILABLE WHEN AND WHERE CONSUMERS NEED THEM BY BUILDING THE CLEAN HEAT SUPPLY CHAIN	\$12.0	<b>SUPPLY CHAIN</b>	<b>\$12.0</b>
MINIMIZE WINTER ELECTRICAL PEAK BY INVESTING IN DEMAND REDUCING “HEAT-PUMP READY” SOLUTIONS	\$26.5	COMFORT HOME	\$26.5
DEVELOP A LONG-TERM BUILDING ELECTRIFICATION ROADMAP TO GUIDE THE TRANSFORMATION OF HOW NEW YORKER'S HEAT AND COOL THEIR BUILDINGS	\$1.0	<b>BUILDING ELECTRIFICATION ROADMAP</b>	<b>\$1.0</b>
Sub-Total (representing the Heat Pump Phase 2 sub-initiatives in this Investment Plan)			<b>\$98.2</b>
TOTAL (representing totality of NYSERDA's Investments in the NYS Clean Heat Market Development Plan)			<b>\$229.6</b>



# **Thank You**

# **Donovan Gordon**

**[Donovan.Gordon@nyserda.ny.gov](mailto:Donovan.Gordon@nyserda.ny.gov)**



**Remarks by Pete Harckham  
New York State Senator**



Pete Harckham speaking at Rise for Climate March  
September 8, 2018 (primary season!)







**Remarks by Sandy Galef  
New York State Assemblywoman**

Sandy Galef speaking at Croton Rise for Climate March  
September 8, 2018



Sandy Galef speaking at Climate Strike  
September 20, 2019







Sandy Galef hosts Climate Town Hall  
November 13, 2019

Sandy Galef speaking at Croton100 launch  
February 29, 2020





**Remarks by George Latimer  
County Executive  
Westchester County**



Goerge Latimer speaking at Croton100 launch  
February 29, 2020







**Remarks by Pete McCartt**  
**Director of Energy Conservation and Sustainability**  
**Westchester County**



**Remarks by Suzie Ross, Executive Committee  
Ossining100**

**+**

**Town of Ossining, Supervisor Dana Levenberg  
Village of Ossining, Mayor Victoria Gearity**

## Ossining100 Executive Team



**Dorian  
Burden**



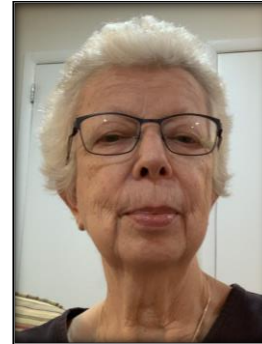
**Dhruv  
Gupta**



**Mary  
Noll**



**Suzie  
Ross**



**Gunnel  
Rydstrom**



**Sachin  
Sawhney**



**Alex  
Todd**



## Ossining100 Update

### Municipal Resolutions of Support: Village (11/4) & Town (11/10)

“Whereas, in recognition of the **United Nations' Intergovernmental Panel on Climate Change's** recommendation that we limit global warming to 1.5 degrees above pre-industrial levels in order to, among other things, make adaptation less difficult, lessen the suffering of negative impacts on the intensity and frequency of extreme events, resources, ecosystems, biodiversity, food security, in municipalities large and small worldwide;

Whereas, in support of the part our community must play toward **New York State's Climate Leadership & Community Protection Act (CLCPA)** of 2019 which limits state-wide greenhouse gas emissions to 40% of 1990 levels by 2030 and 85% by 2050, 70% renewable electricity by 2030, and 100% zero emission electricity by 2040;

now therefore be it Resolved, the Town supports **Green Ossining's creation of an Ossining100 Chapter of Cure100 (Communities United to Reduce Emissions 100%)** which pairs community action with data about carbon emissions by zip code, and quantifies community-wide emissions, emissions by household, individual emissions, emissions by sectors, and offers guidance for carbon emission reduction with the goal of reducing the overall carbon footprint by at least 5% per year through 2040.”



## **Ossining100 Update**

- **Launch of Carbon Tracker**
- **Launch of Sustainable Westchester's EnergySmart Homes Briarcliff/Ossining**



**Remarks by Rahul Jacob, Vice Chair  
Bengaluru100**



Name: Kavitha Reddy

Place: Bangalore – HSR Layout

Areas of Interest: Mountaineer, Cyclist, Lake Activist, Social Entrepreneur

Favourite Quote: “There are a Million ways to Success but only one way to Failure - Not Trying”





Name: Anand Prasad

Place: Bangalore – KR Puram

Areas of Interest: Social Service, Environment, A better India

Favourite Quote: “Strike the iron while it’s hot”





Name: Geeta G

Place: Bangalore – Hebbal

Areas of Interest: Green Entrepreneur, Civic Leadership,  
Sustainable Living, Plastic Ban, Cycle Day

Favourite Quote: “Reject plastic and embrace the  
environment”



Name: Sabyasachi Malakar

Place: Bangalore – HSR Layout

Areas of Interest: IT Professional, Green Enthusiast,  
cleaning nature, sustainable living

Favourite Quote: “Imagine a life beyond concrete”



Name: Rahul Jacob

Place: Bangalore – HSR Layout

Areas of Interest: Green Enthusiast, cleaning nature,  
sustainable living

Favourite Quote: “Never Give In”



**Remarks by Robert De Angelis, Chair  
Yorktown100**



# Yorktown100

Zero Net Carbon Emissions by 2040



# **Yorktown100**

Zero Net Carbon Emissions by 2040

## **Team**

- **About a dozen concerned citizens of Yorktown**

## **Planned Initiatives**

**Awareness, education and involvement through:**

- **Yorktown News articles, [Yorktown100 website](#)**
- **[Facebook](#), Instagram**
- **Team with Yorktown Schools**
- **Work with and through community centers and places of worship**

## **Support and Alliances**

- **A brand new chapter of CURE100!**
  - **Yorktown, Croton, Ossining, Bengaluru India**
  - **NYSERDA, Sustainable Westchester, Sustainable Putnam...**



# Yorktown100

Zero Net Carbon Emissions by 2040



**Bob**



**Sarah**



**Mary Ann**

**Chair**  
**Co-Chair**  
**Secretary**  
**Treasurer**  
**Communications**  
**Information Technology**

**Bob DeAngelis \***  
**Paul Moskowitz \***  
**Laura Kosbar**  
**Sarah Wilson \***  
**Mary Ann Kelly**  
**Shubir Kapoor**

## **Active Members**

**Phyllis Bock**  
**Susan Buck**  
**Cyril Cabral**  
**Peter Capek**  
**Cara Donohue**  
**Nadya Hall**  
**Bill Stoiber**

## **Associates**

**Paul Andry**  
**Regina Blakeslee**  
**Dominic Coluccio**  
**Jon Davey**  
**Marylou Santoro**  
**Tony Savastano**  
**Francis Via**

**\* Also on Yorktown Climate Smart Communities Task Force**



**Paul**



**Laura**



**Shubir**





**Yorktown100**

Zero Net Carbon Emissions by 2040

# Why join CURE 100?

## We believe in the goals and like the methodology

1. Calculate your carbon footprint (individual or group) and leverage a common quality carbon tracking tool
2. Own it
3. Learn how to reduce it and incentives available
4. Make changes
5. Monitor progress



We share and help along the way

## It's all about communications and driving engagement and ownership

- How to reach people
- How to drive change
- Personal neighbor to neighbor contact
- Continue to try new ideas



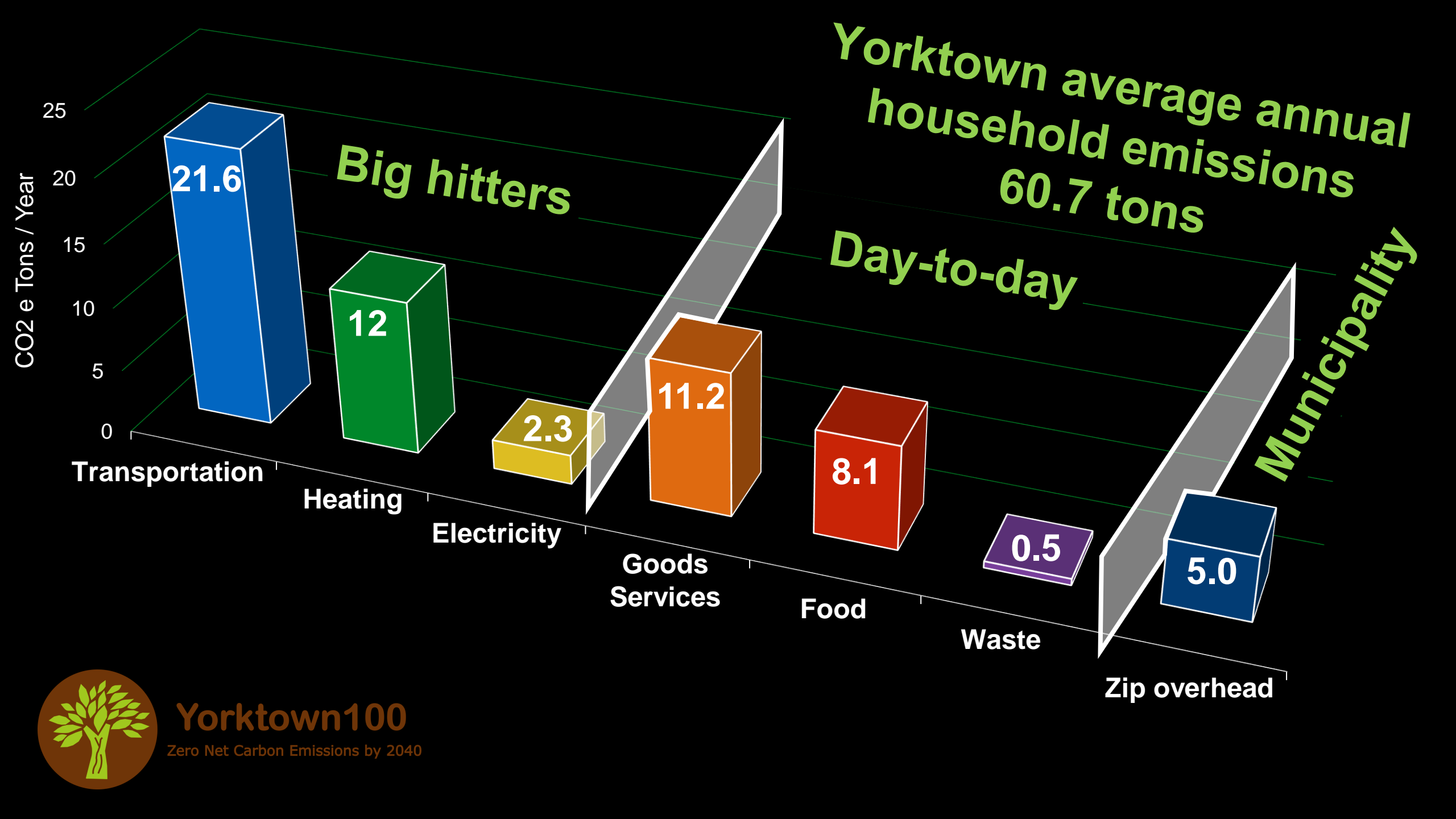


**Yorktown100**

Zero Net Carbon Emissions by 2040

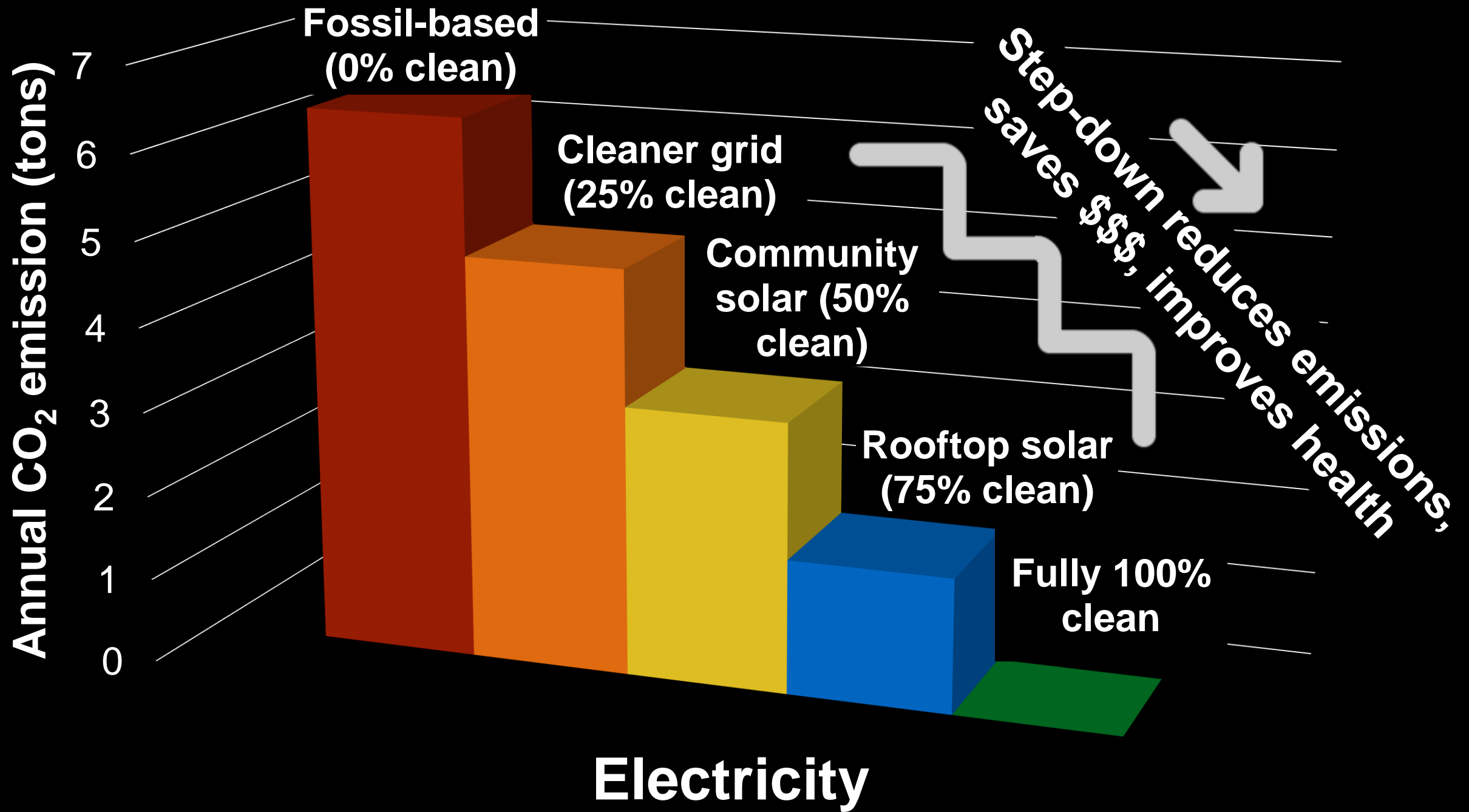
## Why join CURE100?

- Share resources
- Gain efficiency / do things once for a larger audience
- Have broader impact
- Learn from each other
  - Technical
  - Communications
  - What works and what doesn't
- Share best practices
- Have some fun!



**Yorktown100**

Zero Net Carbon Emissions by 2040



# 7 things we can all easily do

- ✓ Purchase “clean” electric power
  - Sign up with a clean Energy Service Company
  - Join Community Solar or install rooftop solar
- ✓ Drive the most efficient vehicle you can & minimize mileage
  - Electric (but must purchase clean energy!)
  - Hybrid or high mileage gas (say >35mpg)
- ✓ Minimize non-essential travel – especially airline trips
- ✓ Eat less meat
- ✓ Use refillable bottles (not single use)
  - Install a drinking water filter if needed
- ✓ Get a free home energy audit and make needed improvements
  - When you upgrade your home heating and AC, watch our video to learn more
- ✓ Buy smarter and buy less
  - Look for sustainable packaging, fix things, avoid polyesters and fad purchases





**Remarks by Brian Pugh  
Mayor, Village of Croton-on-Hudson**



Brian Pugh with Croton Trustees at Rise for Climate March  
September 8, 2018



Brian Pugh speaking at Croton100 launch  
February 29, 2020





# Brief campaign updates

## Electric school bus campaign

- School task force has begun its work

## Audubon pilot of Carbon Tracker software

- Chandu gave a webinar to the regional Audubon Society meeting on October 21; over 500 people attended; recording at <https://www.youtube.com/watch?v=GZ6AWKzWCrU>
- Three chapters of the Audubon Society are piloting our Carbon Tracker software
  - Saw Mill River Audubon Society (SMRAS)
  - Menantucket Audubon Society (MAS)
  - Delaware-Otsego Audubon Society (DOAS)
- After piloting for a month, they would like to roll it out to all chapters in the region
- Carbon Tracker Demo/Training on 11/18 from 6:30 – 8:00 p.m. (contact [chanduvis@gmail.com](mailto:chanduvis@gmail.com) if you are interested in attending)

## Blogs, web site, Carbon Tracker

- New home of blogs: <https://cure100.org/blog>; blogs are continuing weekly (thanks Patty!)
- New beautiful web site: <https://cure100.org> (thanks Shubir!)
- New Community Carbon Tracker release: <https://cure100.org/carbon-tracker> (thanks Danny!)

## Matching grant challenge

- All donations from now through year-end will be matched dollar-for-dollar (up to a total of \$10,000)
- We need money to further develop the Carbon Tracker app, for software, insurance, events and campaigns <https://cure100.org/donate>



# Call to action

- We need volunteers!
  - To help with the monthly newsletter, contact [chanduvis@gmail.com](mailto:chanduvis@gmail.com)
  - To write a blog, contact [pattybuchanan@hotmail.com](mailto:pattybuchanan@hotmail.com)
  - To help us write a grant proposal, contact [leo.wiegman@gmail.com](mailto:leo.wiegman@gmail.com)
  - We need testers for our Carbon Tracker app, contact [dan.oppenheim.1@gmail.com](mailto:dan.oppenheim.1@gmail.com)
  - To help build and manage our website, contact [shubirk@yahoo.com](mailto:shubirk@yahoo.com)
- Regular call to action
  - Catch up on our blogs at <https://cure100.org/blog>
  - Take our pledge at <https://cure100.org/pledge>
  - Office Hours have resumed; if you have a group to bring to an upcoming session, contact [leo.wiegman@gmail.com](mailto:leo.wiegman@gmail.com)
  - Have a plug-in hybrid or electric vehicle? Sign up for Smart Charge New York with the code <https://www.fleetcarma.com/smartchargenewyork/?referralCode=85626012> and we'll get a \$25 referral fee!
  - If you know a community that might be interested in CURE100, have them contact Patty Buchanan at [pattybuchanan@hotmail.com](mailto:pattybuchanan@hotmail.com)
  - Don't forget your LED bulbs, bio-diesel, composting, diets, insulation improvements, EVs!
- Mark your calendar for the next community meeting: Monday, December 21 from 7:00 to 8:15 p.m.



# Open discussion of 2021 themes

---