



**Department of  
Environmental  
Conservation**

# The Climate Leadership and Community Protection Act: Moving New York to a Carbon-neutral Economy

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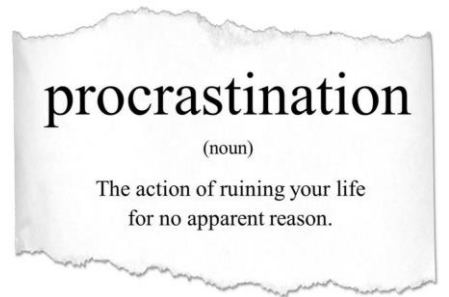
# Climate Leadership and Community Protection Act

- Requires the most aggressive greenhouse gas (GHG) reductions of any major economy:
  - **40X30 (40% by 2030), 85X50 (85% by 2050) and a carbon neutral economy**
- Requires state agencies to
  - reduce GHG emissions
  - consider attainment of GHG limits when issuing permits/approvals
- Amends Community Risk and Resiliency Act
  - Major permits to consider climate change risk



# Why is CLCPA so Important?

- 1.5°C warming could trigger feedback loops with the potential to cause runaway warming. (IPCC, 2018)
- Risks substantially higher at 2°C warming. (IPCC, 2018)
- Paris commitments would lead to a 3.2° C rise by 2100. (UNEP, 2019)
- The Gap: On current track we will emit enough GHGs by 2030 to make holding warming to 1.5°C impossible. (IPCC, 2018)
- Must now reduce emissions 2.7%/yr for 2°C, 7.6% for 1.5°C: would have been 0.7% and 3.3% if started in 2010. (UNEP 2019 Gap Report)



# Climate Leadership and Community Protection Act

- Modifies PSL to codify clean energy targets
  - 70% renewable energy by 2030
  - 100% clean electricity by 2040
  - 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
- Commitments to environmental justice and just transition



# Climate Action Council

- 2 years: Draft scoping plan of recommendations for achieving GHG limits, final in 3 years
- Co-chaired by DEC and NYSERDA
- Agencies: DOT, DOH, ESD, DAM, HCR, DOL, PSC, NYPA, LIPA, DOS
- 2 Governor appointments
- 8 Legislative appointments
- Advisory panels:
  - Transportation
  - Land use and local government
  - Housing and energy efficiency
  - Energy intensive industries
  - Power generation
  - Agriculture and Forestry

# Developing the Scoping Plan

- Scoping plan to outline recommendations to achieve the emission targets, including zero emission economy
- To include the following:
  - Measures to aid in just transition of workforce
  - Mechanisms to limit emission leakage
  - Measures to achieve healthy forests
  - Quantification of costs and benefits
- Process
  - Consult with Climate Justice WG and EJ Advisory Group
  - Hold 6 public comment hearings on the draft plan
  - Update every five years

# Climate Act: Key Deadlines

		<u>Complete by</u>
Statewide GHG Limits	1 year	2021
Social Cost of Carbon	1 year	2021
Annual GHG Report	2 years	2022
CES Update	2.5 years	2022
Draft Scoping Plan	2 years	2022
Final Scoping Plan	3 years	2023
Statewide GHG Regulations	4 years	2024

# Main Sources of Greenhouse Gases in NYS



36%



30%



15%



8%



5%



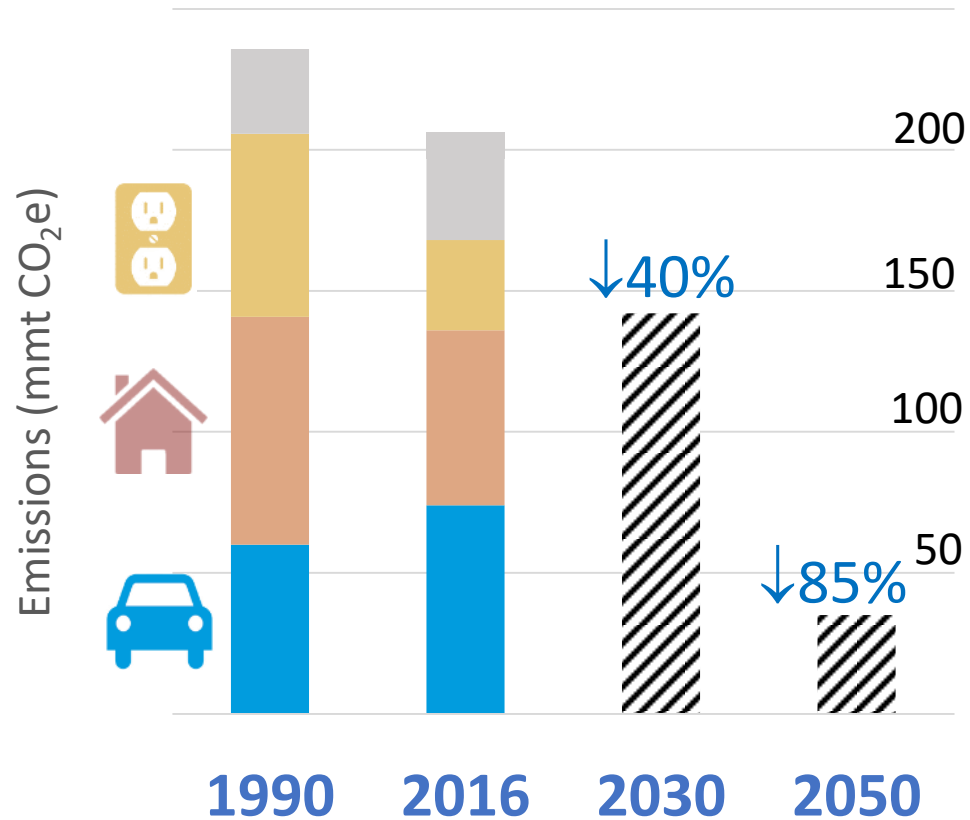
4%

New York State emitted approximately 206 million metric tons of CO<sub>2</sub> equivalent in 2016— about 0.5% of total annual global emissions.





# Reaching 40% by 2030 and carbon neutrality



## • Requires

- Electrification of cars and heating
- Deep penetration of renewables
- Deep energy efficiency improvements – in all sectors
- Waste diversion (organics and embedded emissions)
- Conversion of refrigerants

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## Connect with us:

- DEC: [www.dec.ny.gov](http://www.dec.ny.gov)
- Community Risk and Resiliency Act: [www.dec.ny.gov/energy/102559.html](http://www.dec.ny.gov/energy/102559.html)
- Climate Smart Communities: <https://climatesmart.ny.gov/>
- Facebook: [www.facebook.com/NYSDEC](http://www.facebook.com/NYSDEC)
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