

# New York State Climate Action Council

**August 24, 2020**  
**Meeting 3**



**Climate Action  
Council**

# Meeting Procedures

## Before beginning, a few reminders to ensure a smooth discussion:

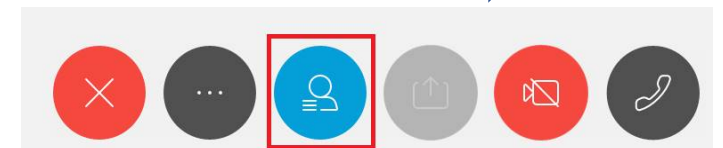
- > CAC Members should be on mute if not speaking.
  - > If using phone for audio, please tap the phone mute button.
  - > If using computer for audio, please click the mute button on the computer screen (1<sup>st</sup> visual).
- > Video is encouraged for CAC members, in particular when speaking.
- > In the event of a question or comment, please use the hand raise function (2<sup>nd</sup> visual). You can get to the hand raise button by clicking the participant panel button (3<sup>rd</sup> visual). The co-chairs will call on members individually, at which time please unmute.
- > If technical problems arise, please contact Karen Fusco at [karen.fusco@nyserda.ny.gov](mailto:karen.fusco@nyserda.ny.gov)



**You'll see  when your microphone is muted**



**Hand Raise**



# Agenda

- > Welcome and Introduction
- > Consideration of June 24, 2020 Minutes
- > Co-Chair Remarks and Reflections
- > Discussion: Advisory Panels and Working Groups
- > Discussion: Waste Management Emissions
- > CLCPA Implementation
- > Next Steps

# **Consideration of June 24, 2020 Minutes**

# **Co-Chair Remarks and Reflections**

# Isaias: A Call for Resilience

## Storm resulted in:

- Approximately 1.3 million New York customers experienced power outages during the event
- Peak power outages of approximately 920,000 customers

**Clarion call: We must be better prepared and adapt/improve our overall resilience**



# Going Big on Large-Scale Renewables

## Governor Cuomo Announces Nation-Leading Solicitations for Offshore Wind & Land-Based Renewables

- > Solicitations seek:
  - Up to 2,500 megawatts of offshore wind energy
  - Multi-Port infrastructure investment (\$400 million)
  - Additional land-based renewables solicitations of over 1,500 megawatts
  - New RFI to identify "Build-Ready" sites to accelerate implementation of Clean Energy Resources Development and Incentive Program
- > **Result: \$7 billion in direct investments, 4,500 short- and long-term jobs**

## CLEAN ENERGY PROJECTS WILL

- ✓ Jumpstart New York's economy and accelerate climate goals
- ✓ Prioritize hiring in Environmental Justice Areas
- ✓ Benefit disadvantaged communities
- ✓ Require project labor agreements and/or prevailing wage for good paying jobs

# Investing Nearly \$1 Billion in Energy Efficiency for Low- to Moderate-Income Households

## Governor Cuomo Announces Clean Energy Investments to Benefit over 350,000 LMI Households

- > Framework to invest **almost \$1 billion through 2025** to advance energy efficiency for LMI customers, including:
  - Over \$300 million to increase access to energy efficiency for LMI homeowners and renters
  - More than \$500 million to improve energy efficiency in affordable multifamily buildings
  - \$45 million for community-level engagement and capacity building with community-based organizations
  - \$30 million for developing clean heating and cooling solutions
- > **More than double** current number of households that receive energy efficiency services



**Better Buildings**

**Sustainability Upgrades for over 350,000 Low-to-Moderate Income Households**

Boost efficiency & electrification & public health in affordable housing



# Cleaning New York's Vehicle Fleets

## New York Signs Memorandum of Understanding with 14 States and the District of Columbia

- > Develop a plan for:
  - 100% of all new medium- and heavy-duty vehicle sales zero-emission vehicles by 2050
  - Interim target of 30% zero-emission vehicle sales by 2030
- > Complements Clean Transportation NY to invest VW settlement funds for a total investment of \$300 million in clean vehicles and infrastructure

## Governor Cuomo Announces "Make-Ready" Program for EVs

- > **"Make-Ready" program** to enable 50,000 EV charging stations by 2025, stimulate \$1.5B in new investment
  - \$206M to benefit LMI and Disadvantaged Communities, including \$85M for three innovative Clean Transportation "Prizes."



**Clean  
Transportation**

**1.5 billion+ to build new  
Electric Vehicle Infrastructure**

Focus on equitable access &  
partner with 14 states on clean trucks

# Ensuring Climate Justice

## Climate Justice Working Group

- > First meeting on August 14, 2020
- > Will establish criteria to identify disadvantaged communities for the purposes of co-pollutant reductions, GHG emissions reductions, regulatory impact statements, and allocation of benefits associated with State investments.

## Critical role in supporting and informing the work of the Climate Action Council

- > CAC consults with CJWG on climate justice including draft scoping plan.
- > Advisory panels coordinate with CJWG.



# **Discussion: Advisory Panels and Working Groups**

# Advisory Panels and Working Groups

## Six Advisory Panels:

- > Sectors: Transportation, Agriculture/Forestry, Land Use/Local Government, Power Generation, Housing/Energy Efficiency, Energy Intensive/Trade Exposed Industries.
- > Chaired by Climate Action Council Commissioner or designee.
- > Advisory Panel to determine scope of work, within the emissions sector.

## Just Transition Working Group:

- > Co-Chaired by Commissioner of Labor and President & CEO of NYSERDA; includes Commissioner of Housing and Community Renewal and Chair of the Public Service Commission.
- > Scope of work includes jobs report, workforce training needs, power plant site reuse opportunities.

## Climate Justice Working Group

- > First meeting on August 14, 2020

# Advisory Panel Work Product

## Each advisory panel is expected to:

- > Identify a range of emissions reductions, consistent with analysis and in consultation with the CAC, for the sector which contributes to meeting the statewide emission limits.
- > Present a list of recommendations for emissions reducing policies, programs or actions, for consideration by the Climate Action Council for inclusion in the Scoping Plan.
  - Recommendations should identify the estimated scale of impact, knowable costs to achieve, ease of deployment or commercial availability, potential co-benefits to emissions reduction, advancement of climate justice outcomes, and impacts to businesses.
  - Recommendations may be informed by quantitative analysis or qualitative assessment.
- > Recommendations should be sector-based.
  - The panels should not rely on economy-wide policies to achieve emission reduction goals but can recommend that the Council consider economy-wide policies if needed to advance certain sector-specific policies.
  - Cross-sector recommendations should be advanced only after consultation with the appropriate panels.
  - Recommendations should include climate adaptation and resilience considerations

# Advisory Panel Consultation

## Each advisory panel shall:

- > Meet at least once a month and provide regular updates to the Council on the advancement of its work.
  - Present (oral or written) progress reports at Council meetings and solicit feedback.
  - Provide final recommendations in accordance with the Scoping Plan development schedule.
- > Consult with the Climate Justice and Just Transition working groups to inform its recommendations for the Climate Action Council.
- > Seek public input to inform the development of recommendations to the Council for consideration.
  - Panels may seek input from selected expertise in a subject area, as determined necessary by the members.
  - Panels shall, during the next six months, hold at least one forum to receive broad-based public input.
  - Provide transparency by making meetings open to public viewing or/and publishing minutes of deliberations.
- > Make available information regarding advisory panel public meetings and comment opportunities on the [climate.ny.gov](https://climate.ny.gov) webpage.

# Advisory Panel Process Support

## Each advisory panel will be supported by:

- > Access to consulting firm Energy and Environmental Economics (“E3”) to provide economic and technology assumptions, understanding of market development as based on literature research, some quantitative analysis of higher impact recommendations.
- > A working group comprising staff from contributing state agencies or authorities to assist with research and less-detailed analytical work.
- > Completed state technology or market studies and other research resources as available.
- > Where initiated, current state agency technical analysis or market development assessments that may serve as a foundation for recommendations or as reference material for development of recommendations.
- > Meeting facilitation services, to assist with scheduling meetings, keep records, etc.

# Suggested: Transportation Advisory Panel

**Marie Therese Dominguez, Chair**

Commissioner:  
Department of  
Transportation

**Jared Snyder**

Deputy  
Commissioner: Dept.  
of Environmental  
Conservation

**Paul Allen**

Senior Vice President:  
M. J. Bradley &  
Associates

**Dimitris Assanis**

Assistant Professor:  
Stony Brook  
University

**Steve Finch**

Senior Vice President,  
Automotive Services:  
AAA Western &  
Central New York

**Albert Gore, III**

Policy and Business  
Development: Tesla

**Kendra Hems**

President: Trucking  
Association of New  
York

**Elgie Holstein**

Senior Director for  
Strategic Planning:  
Environmental  
Defense Fund

**Renaë Reynolds**

Transportation  
Planner: New York  
City Environmental  
Justice Alliance

**Porie Saikia-Eapen**

Director:  
Environmental  
Sustainability &  
Compliance at MTA

**John Samuelson**

International  
President: Transport  
Workers Union

**Nick Sifuentes**

Executive Director: Tri-  
State Transportation  
Campaign

**Kerene Tayloe**

Director of Federal  
Legislative Affairs: WE  
ACT for Environmental  
Justice

**Julie Tighe**

President: New York  
League of  
Conservation Voters

**Craig Turner**

Executive Director:  
Buffalo Niagara  
International Trade  
Gateway Organization

**Nancy Young**

Vice President of  
Environmental Affairs:  
Airlines for America

**Bob Zerrillo**

Policy Director: New  
York Public Transit  
Association



# Suggested: Agriculture and Forestry Panel

**Richard Ball, Chair**  
Commissioner of  
Agriculture:  
Department of Ag &  
Markets

**Peter Innes**  
Natural Resources  
Supervisor: Dept. of  
Environmental  
Conservation

**Rafael Aponte**  
Founder: Rocky Acres  
Community Farm

**Amanda Barber**  
Manager: Cortland  
County Soil and Water  
Conservation District

**John Bartow**  
Executive Director:  
Empire State Forest  
Products Association

**Michelle Brown**  
Conservation  
Scientist: The Nature  
Conservancy

**Tom Gerow**  
General Manager:  
Wagner Lumber Co.

**Suzanne Hunt**  
President: Hunt Green  
& Co-Owner: Hunt  
Country Vineyards

**Peter Lehner**  
Director of  
Sustainable Food and  
Farming: Earthjustice

**Samantha Levy**  
New York Policy  
Manager: American  
Farmland Trust

**Robert  
Malmshemer**  
Professor of Forest  
Policy and Law: SUNY  
ESF

**Stephanie  
Morningstar**  
Coordinator:  
Northeast Farmers of  
Color Land Trust

**John Noble**  
President: Noblehurst  
Farms

**Julie Suarez**  
Associate Dean:  
College of Agriculture  
and Life Sciences at  
Cornell University

**Ned Sullivan**  
President: Scenic  
Hudson

**Donna Wadsworth**  
Communications Man  
ager: Ticonderoga Mill  
at International Paper

**Elizabeth Wolters**  
Deputy Director of  
Public Policy: New  
York Farm Bureau

**Peter Woodbury**  
Senior Research Assoc  
& Environmental  
Modeler: Cornell  
University

**Nelson Villarrubia**  
Executive Director:  
Trees New York

# Suggested: Land Use and Local Government Panel

**Sarah Crowell, Chair**

Director, Office of  
Planning, Devt, &  
Community  
Infrastructure: DOS

**Mark Lowery**

Assistant Director,  
Office of Climate  
Change: DEC

**Jessica Bacher**

Managing Director:  
Pace University School  
of Law Land Use Law  
Center

**Jayne Breschard-  
Thomann**

Senior Project  
Manager,  
Bergmann PC

**Kevin Law**

President & CEO: Long  
Island Association

**Katie Malinowski**

Executive Director:  
NYS Tug Hill  
Commission

**Ed Marx**

Former Commissioner  
of Planning: Tompkins  
County

**Kathy Moser**

Senior Vice President:  
Open Space Institute

**Priya Mulgaonkar**

Resiliency Planner:  
New York City  
Environmental Justice  
Alliance

**Gita Nandan**

Board Chair: RETI  
(Resilience, Education,  
Training and  
Innovation) Center

**Juan Camilo Osorio**

Assistant Professor:  
Pratt Institute School  
of Architecture

**Eric Walker**

Climate and Clean  
Energy Strategist

# Suggested: Power Generation Panel

**John Rhodes, Chair**

Chair: Public Service  
Commission

**Corinne  
DiDomenico**

Asst. Director, Large  
Scale Renewables:  
NYSERDA

**William Acker**

Executive Director:  
New York Battery and  
Energy Storage  
Consortium

**Cecilio Aponte**

Senior Analyst:  
Origination at sPower

**Rory Christian**

President:  
Concentric  
Consulting, LLC

**Elizabeth (Betta)  
Broad**

Outreach Director:  
New Yorkers for Clean  
Power

**Lisa Dix**

Sr. NY Representative:  
Beyond Coal  
Campaign, Sierra Club

**Annel Hernandez**

Associate Director:  
New York City  
Environmental Justice  
Alliance

**Kit Kennedy**

Director of Energy &  
Transportation  
Program: NRDC

**Emilie Nelson**

Executive Vice  
President: NYISO

**John Reese**

Senior Vice President:  
Eastern Generation

**Shyam Mehta**

Executive  
Director: NYSEIA

**Stephan**

**Roundtree, Jr.**  
Northeast Director:  
Vote Solar

**Jennifer Schneider**

Intl. Representative &  
Legislative & Political  
Coordinator for NY:  
IBEW

**Darren Suarez**

Manager of Public and  
Government Affairs:  
Boralex Inc.

**Laurie Wheelock**

Litigation and Policy  
Counsel: Public Utility  
Law Project

# Suggested: Energy Efficiency and Housing Panel

**RuthAnne Visnauskas, Chair**  
Commissioner: Homes & Community Renewal

**Janet Joseph**  
Senior Vice President for Strategy and Market Development: NYSERDA

**Peggie Neville**  
Deputy Director of Clean Energy: Department of Public Service

**Gina Bocra**  
Chief Sustainability Officer: NYC Dept. of Buildings

**Kyle Bragg**  
President: 32BJ SEIU

**Dan Egan**  
Senior Vice President of Energy & Sustainability: Vornado Realty Trust

**Bret Garwood**  
Chief Executive Officer: Home Leasing, LLC

**Jin Jin Huang**  
Executive Director: Safari Energy, LLC

**Clarke Gocker**  
Director of Policy and Strategy: PUSH Buffalo

**Elizabeth Jacobs**  
Acting Executive Director: Akwesasne Housing Authority

**Jamal Lewis**  
Sr. Policy & Technical Assistance Specialist: Green & Healthy Homes Initiative

**Sadie McKeown**  
EVP & COO: The Community Preservation Corporation

**Bill Nowak**  
Executive Director: NY Geothermal Energy Organization

**Molly (Dee) Ramasamy**  
Head of Deep Carbon Reduction: Jaros, Baum & Bolles

**Daphany Sanchez**  
Executive Director: Kinetic Communities Consulting

**Laura Vulaj**  
Senior Vice President & Director of Sustainability: SL Green Realty Corp.

# Suggested: Energy-Intensive and Trade-Exposed Industries Panel

**Eric Gertler, Chair**

President & CEO:  
Empire State  
Development

**Keith Hayes**

Senior Vice President  
of Clean Energy  
Solutions: NYPA

**Heather Briccetti**

President & CEO: The  
Business Council of  
New York State

**Tristan Brown**

Associate Professor of  
Energy Resource  
Economics: SUNY ESF

**Jason Curtis**

Vice President &  
General Manager:  
Nucor Steel

**Carlos García**

Energy Policy Planner:  
New York City  
Environmental Justice  
Alliance

**Leah George  
VanScott**

VP of Business  
Development: Greater  
Rochester Enterprise

**Doug Grose**

President: NY  
CREATES

**Michael LeMonds**

Vice President of  
Environment, Land  
and Government  
Affairs: Lafarge

**Melanie Littlejohn**

Vice President and  
Regional Executive  
Director-Upstate New  
York: National Grid

**Elisa Miller-Out**

Managing Partner:  
Chloe Capital

**Stephen Tucker**

President & CEO:  
Northland  
Workforce Training Ctr

**David Wasiura**

Assistant to the  
Director: United  
Steelworkers District 4

**Lourdes Zapata**

President & CEO:  
South Bronx Overall  
Econ. Devt. Corp.

# Suggested: Just Transition Working Group

**Roberta Reardon,**  
**Co-Chair**

Commissioner:  
Department of Labor

**Doreen Harris,**  
**Co-Chair**

Acting President &  
CEO: NYSERDA

**RuthAnne**  
**Visnauskas**

Commissioner: Homes  
& Community  
Renewal

**John Rhodes**

Chair: Public Service  
Commission

**Vincent Albanese**

Director of Policy and  
Public Affairs: LIUNA

**Omar Freilla**

Founder &  
Coordinator: Green  
Worker Cooperatives

**Henry Garrido**

Executive Director: DC  
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**Patrick Jackson**

Director of Global  
Energy Management:  
Corning, Inc.

**Gary LaBarbera**

President: Building  
and Construction  
Trades Council of  
Greater New York

**Michael Padgett**

Vice President of  
Energy: Alcoa

**Brian Raley**

Principal Staff  
Engineer: Global  
Foundries

**James Shillitto**

President: Utilities  
Workers Union of  
America Local 1-2

**Maritza Silva-  
Farrell**

Executive Director:  
ALIGN

**Ted Skerpon**

Chair: IBEW Local 97  
& Utility Labor Council

**Lara Skinner**

Executive Director:  
The Worker Institute  
at Cornell University

**Candis Tolliver**

Political Director: 32BJ  
SEIU

**Randy Wolken**

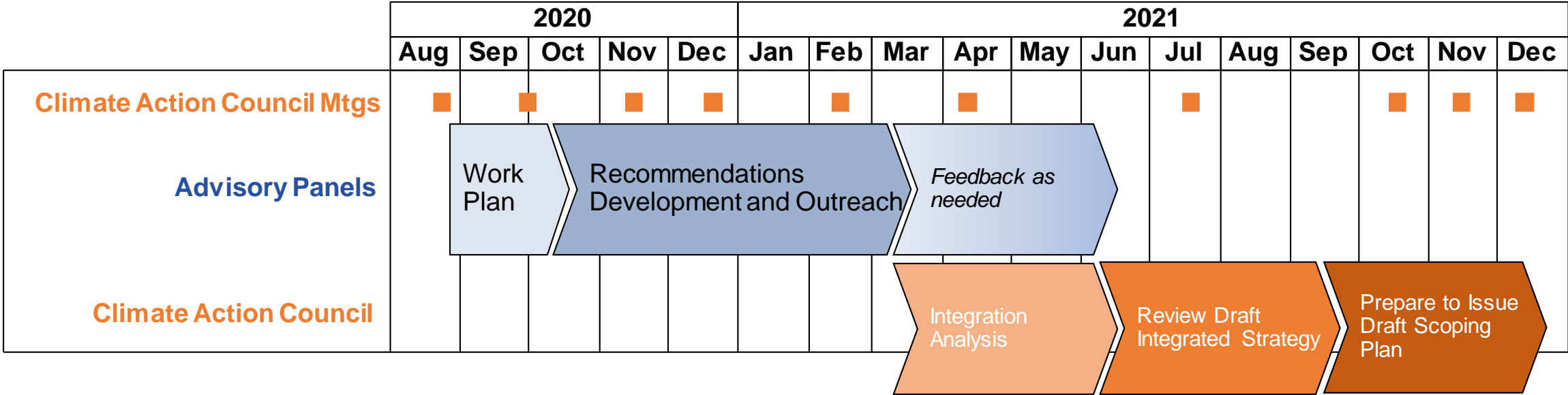
President: MACNY &  
Manufacturers  
Alliance

# Advisory Panel Next Steps

## Next steps for the advisory panels:

- > Organize a first meeting in the first half of September to develop a Work Plan, which would include:
  - A Scope of Work, identifying topics and issues of the panel discussions, breakdown of sub-issues as needed, potential initial identification of needed research or analysis.
  - A timeline for conducting work and reaching recommendations. The timeline should include:
    - Projected schedule of meetings and public engagement opportunities;
    - Points of consultation with the Climate Justice and Just Transition working groups;
  - Identify any other processes or milestones that may inform the development and submission of recommendations.

# Timeline to Draft Scoping Plan





# **Discussion: Waste Management Emissions**

# Waste Management Emissions

## Contribution to Statewide Emissions

- Historically represents approximately 8% of statewide emissions
- Main source is methane via organic waste decomposition in landfills
- Contribution will be greater with 20-year Global Warming Potential required by CLCPA

## Waste Management in the Scoping Plan

- May include
  - Waste reduction policies
  - Recycling
  - Food Donation
  - Organics recycling (composting, anaerobic digestion, etc.)
  - Waste-based fuels

# Waste Management Working Group

## Proposed Structure

- Comprised of agency staff
  - Led by DEC Divisions of Materials Management and Air Resources
- Works closely with key stakeholders
- Coordinate with local governments and community groups
- Seek public input to inform the development of recommendations
- Provide regular updates to the Council on progress
- Recommendations included in the Scoping Plan integration analysis

## Advantages

- Expertise
- Key implementation agencies
- Can start work right away
- Existing relationships with relevant stakeholders

# CLCPA Implementation

# GreenNY Council

- > Multi-agency working group created by Governor Cuomo and co-led by DEC, NYPA, OGS, and NYSERDA
  - Charged with assisting agencies in implementing lead by example directives
  - Serve as a resource for reducing agency greenhouse gas emissions in accordance with CLCPA Section 7.1
- > Provide resources to agencies to:
  - Procure low carbon products and services
  - Assist with performing energy and waste audits
  - Address technical challenges
  - Train staff on climate science, waste reduction, and more
  - Identify cost effective projects and financial assistance
  - Share best practices
  - Guide projects in 3<sup>rd</sup> party and leased space
- > Simplified and harmonized reporting across lead by example directives



# FY 18-19 Greening New York State Report

## Highlights

- > State facilities decreased energy use 14.4% since 2010
  - Projecting a 22% decrease by the end of 2020, exceeding BuildSmart goal of 20%
- > **In 2019 alone, energy efficiency measures reduced greenhouse gas emissions more than 290,000 tons**
- > State facilities generated 10 million kWh of solar power
  - Triple the amount generated in 2016
- > State green purchasing program invested \$124 million in green products
  - An increase of \$7 million from previous year
- > State employees commute using transit at 4 times the national average
- > Twice as many agencies are composting organic material than in 2012



# Part 496: Statewide GHG Emission Limits

## Proposal released August 14, 2020

- Sets 2030 and 2050 emission limits based on revised 1990 baseline per CLCPA requirements (Upstream emissions from fossil fuels, 20yr GWP)
  - CLCPA baseline: 401.38 million metric tons (MMT), prior NYS GHG Inventory baseline: 236.19 MMT
  - 2030 limit: 240.83 MMT; 2050 limit: 60.21 MMT
- Virtual public hearings scheduled for October 20, 2020
- Public comment accepted through October 27, 2020
- Details at: <https://www.dec.ny.gov/regulations/121052.html>

## Key Considerations

- Emission limits based on 1990 gross emissions, annual inventories are net
- Methane quantification
- Commencing work on annual inventories
  - Net accounting methodology being developed through a stakeholder process
  - Further refining methane accounting in intervening years based on data availability

# Next Steps