Governor Paterson’s Executive Order No. 24

- Establishes a New York State greenhouse gas emissions reduction goal of 80 percent below the levels emitted in 1990 by the year 2050 (80X50).

- Establishes a Climate Action Council with a directive to prepare a draft Climate Action Plan by November 2, 2010, final plan expected May 1, 2011.

- Requires assessment of how all economic sectors can reduce greenhouse gas emissions and adapt to climate change, and identify actions that will support New York’s goals for a clean energy economy.
Climate Action Council

Val Grey- Chair
DEC, NYSERDA, Ag & Mkts, DED, DHCR, DOT, PSC, MTA, LIPA, NYPA, DASNY, DOS, DOB, DSO & Gov’s Counsel

Executive Directors: Janet Joseph (NYSERDA) & Alan Belensz (DEC)

Vision 2050

Integration Advisory Panel

Power Supply and Delivery
Residential, Commercial and Industrial
Agriculture, Forestry and Waste
Transportation and Land Use
Adaptation

www.nyclimatechange.us
Technical Workgroup Members

**Agriculture, Forestry and Waste Management**

- Greg Albrecht  NYS Agriculture and Markets
- Ben Ballard  Morrisville State
- Antonio Bento  Cornell University
- Dan Conable  Cato Analytics
- Rob Davies  NYS DEC
- Resa Dimino  NYS DEC
- Barbara Eckstrom  Tompkins Co
- Michael Gainer  Buffalo ReUse
- Nathaniel Greene  NRDC
- Judith LaBelle  Glynwood Center
- Jerry Leone  Casella Waste Systems
- Jeff Peterson  NYSERDA
- Jessica Ottney  Nature Conservancy
- Ron Rausch  NYS Agriculture & Market
- Kellie-Terry Sepulveda  POINT Community Development
- Erin Sharkey  Massachusetts Avenue Project
- Doug Shelmadine  Sheland Farm
- Matt Smith  Finite Carbon
- Peter Stein  Lyme Timber Company
- Joe Visalli  Adirondack Research Consortium
- Tim Volk  SUNY ESF
- Larry Walker  Cornell University
- Jeff Williams  New York Farm Bureau

**Power Supply and Delivery**

- Bruce Bailey  AWS TrueWind
- Janet Besser  National Grid
- Peter Carney  NYISO
- Jeff Cohen  NYS Dept. of Public Service
- Keith Corneau  Empire State Development Corporation
- Steve Corneli  NRG Energy
- Jim Gallagher  NYC Economic Development Corporation
- Ashok Gupta  Natural Resources Defense Council
- Jeff Guynup  International Assn. of Heat and Frost Insulators & Allied Workers
- Erin Heaney  Clean Air Coalition of Western NY
- Radmila Miletich  Independent Power Producers of New York
- Jim Misewich  Brookhaven National Lab
- Carol Murphy  Alliance for Clean Energy New York
- Joseph Oates  Consolidated Edison
- Jim Parmelee  Long Island Power Authority
- Mike Richter  Environmental Capital Partners
- Victoria Simon  New York Power Authority
- Jared Snyder  NYS DEC
- Jaime Stein  Sustainable South Bronx
- Robert Teetz  National Grid
- Jim Torpey  SunPower Corporation
- Mark Torpey  NYSERDA
- Jaime Van Nostrand  Pace Energy and Climate Center
- Sundar Venkataraman  General Electric
Transportation and Land Use

Paul Beyer NYS Department of State
Gerry Bogacz NY Metropolitan Transportation Council
Elena Conte Pratt Institute
Lena DeSantis Port Authority of NY and NJ
Richard Drake NYSERDA
Anthony Fresina Laborer’s Union
Matthew Fronk Rochester Institute of Technology
Ross Gould Environmental Advocates of New York
Renee Jones Conoco-Philips
Steve Levy Sprague Energy
Timothy Mathews Transport Workers Local 100
Kevin Morrow eTec
John Nolon Pace University Land Use Law Center
Maurice O’Connell CSX Transportation
Anne Reynolds NYS DEC
Jonathan Rose Jonathan Rose Companies
Deb Stacey Capital District Transportation Committee
Eleanor Stein NYSDEC
Bill Sweet Golub Corporation
Ernest Tollerson Metropolitan Transportation Authority
Eric Walker People United for Sustainable Housing (PUSH) Buffalo
John Zamurs NYS Department of Transportation

Residential, Commercial/Institutional and Industrial

Rohit Aggarwala NY City Mayors Office
Floyd Barwig NYS Department of Public Service
Laura Caruso SEIU Local 32BJ
Robert Damico NYS Div. of Housing and Community Renewal
Bill Davies Davies Office Refurbishing
Mike Deering Long Island Power Authority
Susanne DeRoches Port Authority of New York & New Jersey
Christopher Diamond Steven Winter Associates
Mark Dyen Conservation Services Group
Shannon Fales Real Estate Board of New York
Dominic Frongillo Town of Caroline
Jim Gebhardt NYS Environmental Facilities Corp.
Steve Groseclose Global Foundries
Jeremy Hoffman Laborers’ International Union of N. America
Phil Hopke Clarkson University
Sharon Jack-Williams Dunbar Association
Stuart Gaffin Columbia University
Patrick Jackson Corning Earth
Ron Kamen Kind Solar
Amelia LoDolce City of Binghamton
Sadie McKeown Community Preservation Corporation
Danielle Merfeld General Electric Global Research
David Meyer Pathfinder Engineers
Jackson Morris Pace Energy and Climate Center
Ron Peister NY Department of State
Ron Shiffman Pratt Institute
Jodi Smits Anderson DASNYk
Tim Stout National Grid
Russell Unger Urban Green Council
Karen Villeneuve NYSERDA
Roy Wood Kodak Corporation
Adaptation

Fred Anders  NY Department of State
David Arquette  Haudenosaunee Environment Task Force
Christine Costopoulos  NYS Economic Development
Art DeGaetano  Cornell University
Jim DeZolt  NYS DEC
Paul Dibbell  Town of Hunter
Projjal Dutta  NYS Metropolitan Transportation Authority
Curtis Fisher  National Wildlife Federation
Adam Freed  Mayor’s Office NY City
Kevin Gleason  NYS Department of Health
Dave Haight  American Farmland Trust
Mike Hervey  Long Island Power Authority
Megan Linkin  Swiss Re
Gary McVoy  NYS Department of Transportation
Ron Rausch  NYS Agriculture & Markets
Pat Rixinger  NYS DEC
Cynthia Rosenzweig  Columbia University/NASA, ClimAID
Robi Schlaff  NYS DEC
William Solecki  Hunter College
Rene VanSchaack  Greene Co. IDA
Mark Watson  NYSERDA
Dave Westman  Consolidated Edison
Ross Whaley  SUNY College Environmental Science and Forestry Emeritus
Michael Wironen  Ecology & Environment
Elizabeth Yeampierre  Puerto Rican Organization of Sunset Park
EXAMPLES OF MITIGATION POLICIES UNDER WORKING GROUP DISCUSSION & ANALYSIS

Power Supply and Delivery
- Renewables policies (e.g., next-level RPS)
- GHG reduction policies (e.g., emission stds)
- Infrastructure investments

Residential, Commercial and Industrial Sector
- Enhanced building codes and commissioning
- Clean energy fund/ Private financing strategies
- Rate restructuring & metering
EXAMPLES OF MITIGATION POLICIES UNDER WORKING GROUP DISCUSSION & ANALYSIS (CONT’D)

Transportation and Land Use

➢ Vehicle and fleet policies (e.g., incentives/disincentives)
➢ Fuels policies (e.g., Low-carbon fuel standard)
➢ Smart growth policies

Agriculture, Forestry and Waste

➢ Sustainable feedstock development
➢ Maximizing waste reduction
➢ Improved forest management

Emerging Technology/R&D – across all sectors
**CAP Schedule (tentative)**

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<thead>
<tr>
<th>Event/Activity</th>
<th>Start Date</th>
<th>End Date</th>
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<tr>
<td>IAP Meeting</td>
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<td>CAC Meeting</td>
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<td>EJ + Public meeting</td>
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<td>7/8/2010</td>
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<td>7/16/2010</td>
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<tr>
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<tr>
<td>Perform Macroeconomic Analysis</td>
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<td>2/14/2011</td>
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<td>Evaluation of the 2030 interim target</td>
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<td>Gap analyses</td>
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<tr>
<td>Recommendations for regional and national policies</td>
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<td>2/8/2011</td>
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<td>Joint IAP and CAC meeting</td>
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<td>3/18/2011</td>
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<td>Final revisions to the Plan</td>
<td>4/5/2011</td>
<td>4/20/2011</td>
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<td>Final report release</td>
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<td>4/26/2011</td>
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• **Technical Work Groups (TWGs)**
  
  • Five TWGs – 20 to 30 expert stakeholders/TWG
  • 100+ non-NYS government participants
    • municipalities, industry, academia, consumers, labor, EJ/CBO
  • Meetings (~4) – defining universe of policy options
  • Process Improvements
    • Mitigation
    • Adaptation
Near Term/Long Term Policy

Harmonization

• Interim Target – 40 by 30
  – Consistent with cost curve analyses
  – Maximum timeframe for economic analyses

• Sectoral Visioning
  – Concept Paper
  – Integration of key finding into policy discussion
Climate Justice

• Expand EJ representation on TWGs

• Incorporate EJ concerns into Policy Catalog

• Create Add Hoc EJ/CBO discussion group
Governor’s Executive Order 24 – The Challenge

GHG Emission Reductions Required to Meet a 2050 Goal (80X50)

- 1990 Historic Emissions
- 2025 Forecast Emissions
- 2050 Goal: 80% Reduction (~222 million tons CO₂e)

Baseline Emissions vs. Forecast Range

- Electric
- Net Imports
- Transportation
- Residential
- Commercial
- Industrial
- Other
Governor’s Executive Order 24 – GHG Mitigation and Adaptation

Uncertainty in the Shape of Reduction Pathways