



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 Belenz (DEC)

Vision 2050

Integration Advisory Panel

Power Supply and Delivery

Residential, Commercial and Industrial

Agriculture, Forestry and Waste

Transportation and Land Use

Adaptation



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 NYS DPS
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 Riexinger 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)

<u>Event/Activity</u>	<u>Start Date</u>	<u>End Date</u>
IAP Meeting		6/11/2010
CAC Meeting		6/29/2010
EJ + Public meeting		7/8/2010
Policy Descriptions & Designs	5/26/2010	7/16/2010
Complete Policy Template	6/14/2010	8/4/2010
Stand Alone Policy Quantification	7/5/2010	9/22/2010
IAP Meeting		8/19/2010
CAC Meeting		8/25/2010
Policy Descriptions & Designs	7/19/2010	9/3/2010
Complete Policy Template	8/2/2010	9/17/2010
Stand Alone Policy Quantification	8/13/2010	9/27/2010
Integrated Policy Quantification	9/27/2010	11/26/2010
Cost Curve Results Completed	11/29/2010	12/20/2010
2050 Gap Analysis	12/20/2010	1/21/2011
IAP Meeting		10/5/2010
CAC Meeting		10/19/2010
Release Draft Report for Comment	11/1/2010	1/28/2011
Public meeting during comment period		1/5/2011
Public meeting during comment period		1/25/2011
Perform Macroeconomic Analysis	12/2/2010	2/14/2011
Co-Benefits Analysis	1/3/2011	2/17/2011
Evaluation of the 2030 interim target	12/20/2010	1/19/2011
Gap analyses	12/20/2010	12/27/2010
Recommendations for regional and national policies	12/20/2010	2/8/2011
Joint IAP and CAC meeting		3/18/2011
Final revisions to the Plan	4/5/2011	4/20/2011
Final report release		4/26/2011



- 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

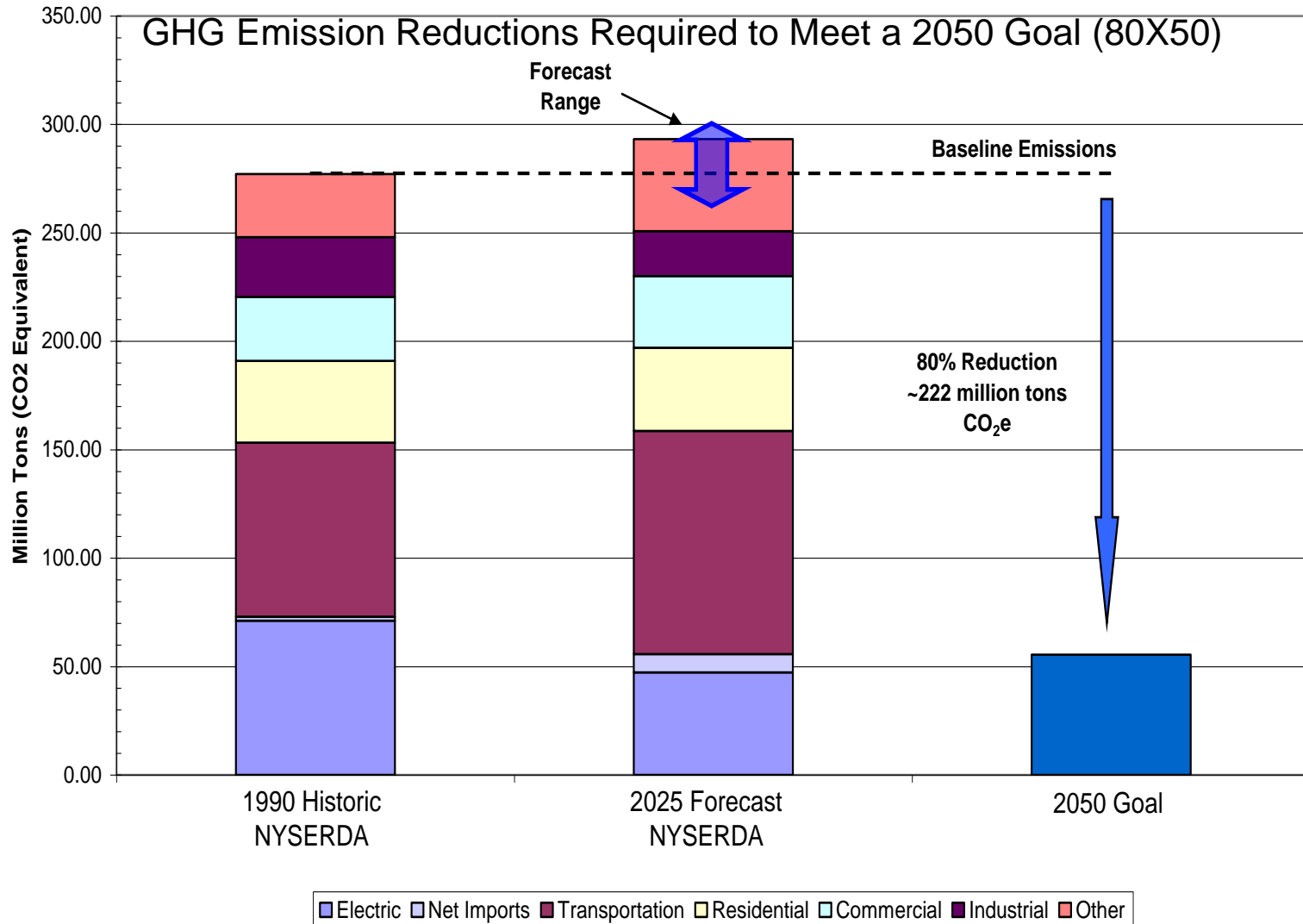


Climate Justice

- 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





Governor's Executive Order 24 – GHG Mitigation and Adaptation

Uncertainty in the Shape of Reduction Pathways

