



Connecticut Climate Change

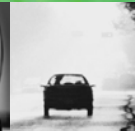
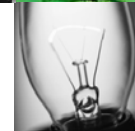
“Leading By Example”

Chairperson Donald W. Downes, Department of Public Utility Control

**Institute for Sustainable Energy Conference
October 27, 2003**



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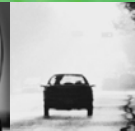
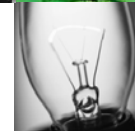
It all began in Connecticut...

In August 2001 at a meeting in Westbrook, the New England Governor's and Eastern Canadian Premiers (NEG/ECP) adopted a Climate Change Action Plan for the region.

The overall vision for the NEG/ECP Plan is to reduce greenhouse gas emissions to a level that stabilizes the earth's climate and eliminates the negative impacts of climate change.



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The Three Goals of the NEG/ECP Plan

Short Term:

By 2010 - reduce greenhouse gas emissions to 1990 levels

Mid-Term:

By 2020 - reduce greenhouse gas emissions by at least 10% below 1990 levels

Long-Term:

Reduce greenhouse gas emissions to a level that eliminates any dangerous threat to earth's climate (current science 76-85% below current levels)



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Connecticut Takes Action

Governor Rowland established a Governor's Steering Committee (GSC) made up of key state agencies including:

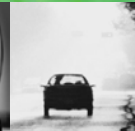
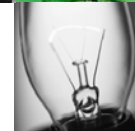
DEP, DOT, DPUC, OPM, DAS, and CT Clean Energy Fund

The GSC is responsible for overseeing the direction and coordination of Connecticut's actions on climate change

In October 2002, the GSC convened a watershed event:
The Connecticut Climate Change Action Plan Summit



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CT Climate Action Plan Summit

Three-day summit was held at the historic Pocantico Conference Center of the Rockefeller Brothers Fund in Tarrytown, NY

Attended by 22 participants from 13 state agencies

Participants represented diverse interests and brought their unique perspectives to the facilitated discussion on global climate change



Overview of Summit Proceedings

Reviewed evidence and effects of climate change and the relevancy of state action

Discussed theoretical aspects of a climate change action plan (baseline, target, means of generating options, implementation strategy)

Examined 2 case studies on the anatomy and process issues: Massachusetts and Rhode Island

Discussed structure and approach for Connecticut



Summit Outcome

Developed short list of greenhouse gas reduction options
(example - state vehicle fleet hybrid purchase and tax credits
for consumer hybrid purchases)

Published and distributed Rockefeller Brothers Fund Report

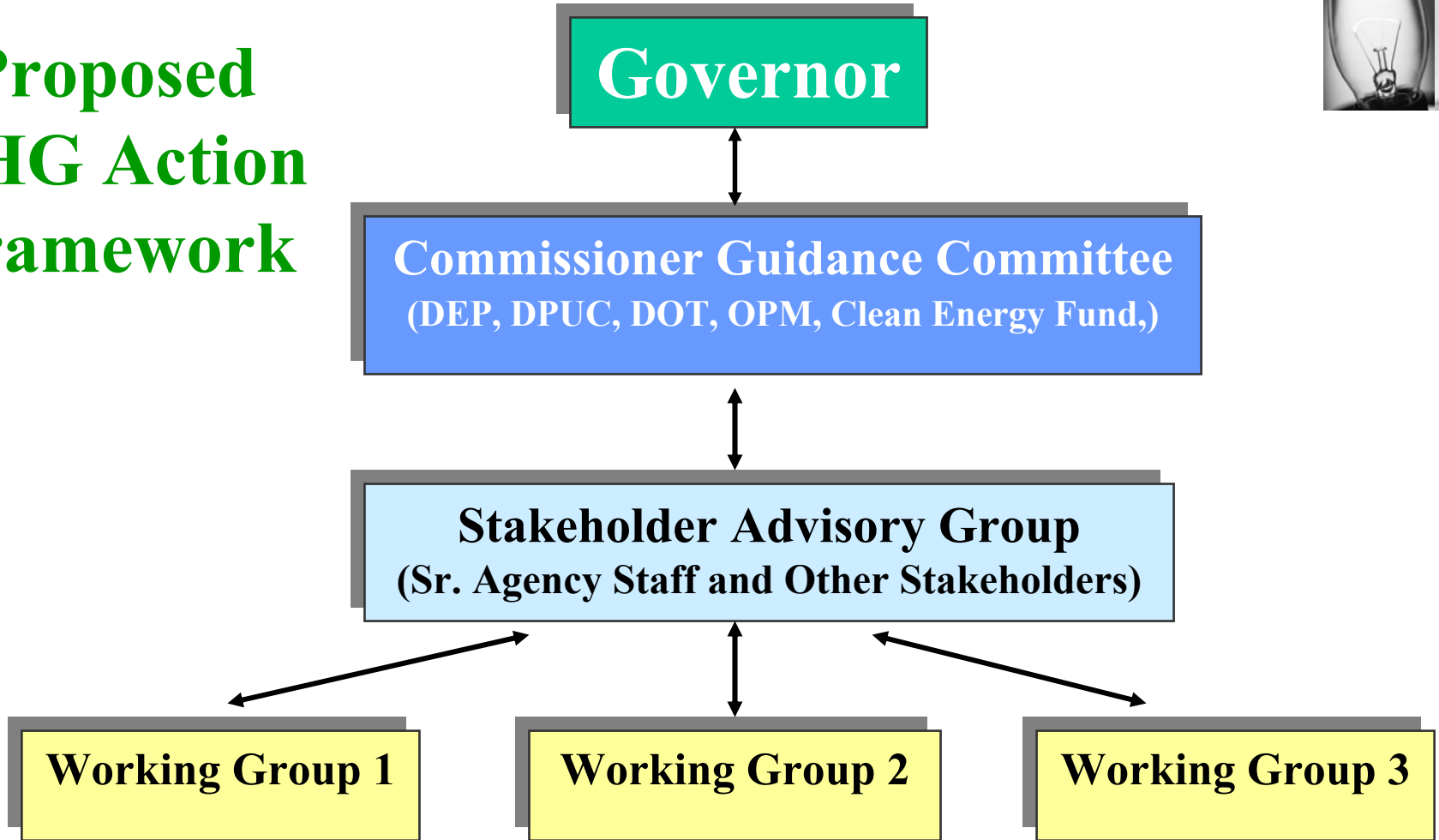
Proposed greenhouse gas action framework (next slide)



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Proposed GHG Action Framework





Stakeholder Dialogue Process

Invited expert, balanced, and representative stakeholder group of 25 members from 4 key sectors areas:

Academic, Government, Business, and Non-Profit

Retained an experienced firm to facilitate the process
Center for Clean Air Policy

Charged with bringing forth a wide selection of innovative, best practice, and implementable greenhouse gas reductions options and recommendations



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Membership of Stakeholder Group

Global Fuel Cell Center

Northeast Utilities

Pitney Bowes

Mohegan Tribe

Environment Northeast

CT Clean Energy Fund

Dept. of Transportation

Nature Conservancy

International Brotherhood of Electrical Workers

Motor Transport Association of Connecticut

CT Business & Industry Assoc.

Institute for Sustainable Energy

CT Fund for the Environment

Dept. of Public Utility Control

CT League of Conservation Voters

Dept. of Administrative Services

Dept. of Environmental Protection

Office of Policy & Management

Yale University

Fleet Bank

PSEG

SmartPower CT

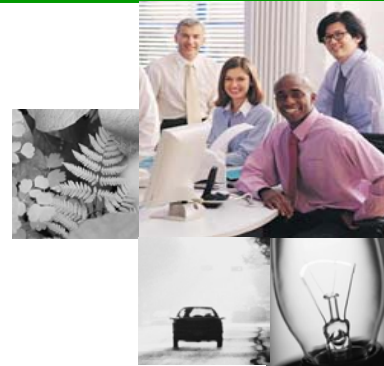
CRRA

City of New Haven

United Technologies



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Encouraging Public Involvement

Posting of all stakeholder, working group, and public meetings with the Secretary of State Office

Designated public comment period at stakeholder meetings
Information available on internet: www.ccap.org

Public participation on working groups to take advantage of expertise

Public meeting held to educate people on climate change as well as provide public input into the process

Comments taken – forms, verbal, note pads, and testimony



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Key Elements of CT Climate Change Plan

- Update Greenhouse gas emissions inventory
- Establish sector baselines and targets
- Specify range of costs vs. benefits of each mitigation strategy
- Prioritize a listing of mitigation strategies
- Identify implementing agencies / organizations & resource needs



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Progress to Date

- **Process launched**

Began stakeholder meetings April 23

Established 4 technical work groups:

Electricity

Transportation/Land Use

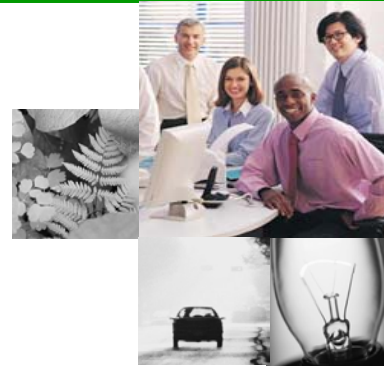
Residential/Commercial/Industrial
Agriculture/Forest/Waste

- **CT GHG inventory** - complete

- **CT GHG sector baselines** - nearly complete

- **CT GHG reduction options** - measures awaiting action by stakeholder group

- **Final report** - on track for end of year



Decision Criteria for Priority Measures

- **Costs** - direct (NPV) and per ton greenhouse gas reduction
- **Greenhouse gas reductions** - by 2010, 2020 and long term
- **Ancillary costs and benefits**- including economic development
- **Implementation issues** - including feasibility, public and political support, equity
- **Compatibility, transferability**



Transportation/ Land Use Sector

Priority Measures Being Considered

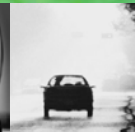
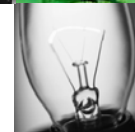
- Tailpipe GHG Standards (similar to CA standards)
- Low Emission Vehicle Standards (hybrid vehicles/ CA LEV)
- Smart Growth Measures
- Intermodal Freight (shift from use of trucks to rail/barge)
- Transportation Control Measures (vanpool/mass transit/busway)



Residential/ Commercial/ Industrial Sector

Priority Measures Being Considered

- Improve Appliance Efficiency Standards
- Improve Design of New Buildings (ex. - upgrade building codes)
- Improve Energy Efficiency of Existing Buildings (such as - EE mortgages)
- Oil/ Natural Gas Conservation Funds (charge on sales)
- Restore Conservation/Renewable Funds to Previous Levels



Agriculture/ Forest/ Waste Sector

Priority Measures Being Considered

- Install centralized manure digesters
- Reduce non-farm fertilizer use
- Promote no net loss of agriculture land/existing forests
- Support local farming/ buy local produce
- Increase recycling (ex. “pay as you throw” program)
- Encourage economically viable landfill gas to energy



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Electricity Sector

Priority Measures Being Considered

- Renewable energy strategy (extend RPS, green power marketing, gov't. purchase of green power)
- Encourage clean distributed generation (combined heat & power)
- Emission standards for electric generation



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Upcoming Calendar

There's still opportunity to provide input and get involved:

www.ccap.org

December 4-5 Final Stakeholder & Public meetings

December 8-12 Public review & comment on recommendations

December 31 Final report due to Governor's Steering Committee



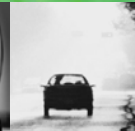
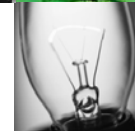
Why Connecticut Can Succeed

CT is uniquely positioned to achieve greenhouse gas reduction goals and become a model for the nation...

- vast intellectual capital and boundless capacity for technological innovation
- public and private leaders with vision and determination
- proven ability to bring representatives from all sectors together to work for a common good



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Together we can build a cleaner, healthier, and ...
more prosperous Connecticut