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# **Connecticut Energy Advisory Board**

## **Workplan for 2010 Procurement Plan**

**November 6, 2009**

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# Topics

## 1. Context and Objectives

## 2. CEAB Process

- Collaboration with EDCs
- Stakeholder Input
- Analytics and Case Development

## 3. 2010 Procurement Report

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# 1. Context and Objectives

## ***Context – 2010 Plan Strategy***

1. 2008 Plan – Good start, but missing elements and integration
2. 2009 Plan – Bridge year
  - Short cycle due to time taken on 2008 Plan
  - Adds many missing elements
  - Better foundation to begin considering integrated energy policy
3. 2010 Plan – Putting the “I” in IRP
  - Use 2008 results, 2009 additions as base
  - Focus on Integration/decisions to achieve optimal portfolio
  - Outline structural means to implement 20-year Plan

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# 1. Context and Objectives

## ***CEAB Objectives for 2010 Plan Process***

1. Include recommendations for near and long-term procurement and planning
2. Develop Long Term Resource Plan recommendations by expanding framework to 2030 as per our Visioning
3. Addition of key areas including natural gas and demographics and load
4. Incorporate analysis on integration of the portfolio

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# 1. Context and Objectives

## ***CEAB Objectives for 2010 Plan Process – cont'd.***

5. CEAB-EDCs collaboration on the 10 year needs
6. CEAB soliciting key stakeholder input
7. Provide the DPUC a well-considered Plan April 1 for their review
8. Focus on addressing state organizations to better enable IRP implementation and future planning processes

## 2. CEAB Process

### ***CEAB Process – Action Plan Components***

1. Stakeholder Input and Research:
  - 7 Workshops
  - 15 Whitepapers
  - Board members assigned to each topic area
2. Analytics and Case Development: *emissions impacts, pricing impacts of various options, etc.*
3. Review EDCs Filing
4. Procurement Planning:
  - Action Plan for DPUC consideration
  - Policy Recommendations for Legislature
5. Prepare Report to File with DPUC, with specific policy recommendations

## 2. CEAB Process

### ***Key Dates and Input Opportunities***

Nov 2009	CEAB led Stakeholder Workshops
Jan 1, 2010	EDCs' Plan to be filed
Jan 2010	Public Hearing and Comment
Feb 2010	CEAB working session to process results and recommendations
March 2010	Final approval of Procurement Plan
April 1, 2010	CEAB Procurement Report Filed with DPUC

## 2. CEAB Process

### *Workshop Schedule*

Completed

Topic	Date	Location
DPUC Transmission	11/1	New Britain
CT Generation	11/5	LOB
Renewable Energy	11/5	LOB

Upcoming

Topic	Date	Location
Energy Security	11/9	LOB
Natural Gas	11/19PM	LOB
Environmental Policy	11/19 AM	LOB
DSM	11/23 AM	LOB
Nuclear	12/7	TBA

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## 2. CEAB Process

### *Whitepapers*

#### 2009 – Ten EDCs Whitepapers

#### 2010 – Fifteen Whitepapers

- Ten authored by EDCs
  - Natural Gas to replace Resource Finance
- Five authored by CEAB/Others
  - Resource Finance
  - CT Generation and Repowering
  - Load/Demographic
  - Integration
  - State Organization

## 2. CEAB Process

### *Whitepaper Leadership*

#	Topic	Board Liaison	LCA Contact
1	Resource Adequacy	Michael Cassella	John Athas
2	DSM	Mary Healey	John Athas
3	Renewables	Melissa Ozols	Shawn Carraher
4	Transmission	Jeff Gaudiosi	Dan Peaco
5	Nuclear	Tony Sheridan	Shawn Carraher

## 2. CEAB Process

### *Whitepaper Leadership – cont'd.*

#	Topic	Board Liaison	LCA Contact
6	CH&P	Tim Cole	John Athas
7	Environmental	Amey Marrella/Tracy Babbidge	Jane Stahl
8	Energy Security	Joel Gordes	John Athas
9	Resource Finance	Kevin Hennessey	Shawn Carraher
10	Emerging Technologies	Joseph Marie	Shawn Carraher

## 2. CEAB Process

### *Whitepaper Leadership – cont'd.*

#	Topic	Board Liaison	LCA Contact
11	Natural Gas	John Mengacci	Shawn Carraher
12	Generation and Repowering	Jim Hoffman	John Athas
13	Load and Demographic Trends	Tim Cole	John Athas
14	Integration	Michael Cassella	John Athas
15	State Organization	Melissa Buckley	Jane Stahl

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## 2. CEAB Process

### *Whitepaper Topics*

#### 1. Reliability/Resource Adequacy

**Objective:** Determine requirements for additional capacity resources and long-term resource adequacy considerations and targets

**EDCs:** Same depth as last year

**CEAB/Other:** Extend view to 2030, review calculation and consider broader picture

#### 2. DSM

**Objective:** Evaluate cost/benefit relative to meeting 10-year environmental reliability, energy security and economic State requirements

**EDCs:** Consider implication of New KEMA Energy Efficiency Potential Study

**CEAB/Other:** Explore alternative funding mechanisms and models for delivery of DSM and provide 20 year outlook

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## 2. CEAB Process

### *Whitepaper Topics*

## 3. Renewable Energy

- Objective:** Consider how 2020 RPS requirements can optimally be met considering environmental, economic and cost factors
- EDCs:** Update last year's Whitepaper and include fuel cells
- CEAB/Other:** Look out to 2030 and consider renewable energy resources that are In-state vs. In-Region vs. Import: Canadian/NY

## 4. Transmission

- Objective:** Ensure all viable alternatives that could lower costs, ensure reliability meet State requirements are considered.
- EDCs:** Workplan contingent on DPUC follow-up to Technical Session on 11/2
- CEAB/Other:** Explore with all parties viable options for timely considerations of non-transmission alternatives. Focus on integrating transmission solutions and other options.

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## 2. CEAB Process

### *Whitepaper Topics*

#### 5. Nuclear

- Objective:** Examine nuclear as a legitimate long-term supply option and potential impacts
- EDCs:** Plan to update cost information and key economic and technology parameters
- CEAB/Other:** CEAB will collaborate with as well as with NRG and CASE; NRG Whitepaper

#### 6. Combined Heat & Power

- Objective:** Ensure that CH&P opportunities are considered in the long-term resource mix
- EDCs:** Update 2009 Whitepaper based on CASE Report and broaden scope to include waste heat for new generation
- CEAB/Other:** Consider CH&P impact out to 2030

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## 2. CEAB Process

### *Whitepaper Topics*

#### 7. Environmental

- Objective:** Consider ways to balance the nexus of environmental and energy needs
- EDCs:** Update retirements, impacts of new regulations, add section on land & water
- CEAB/Other:** Consider implications of new and expected regulations on long-term energy mix needs

#### 8. Energy Security

- Objective:** Broaden the scope of energy security considerations from 2009 Plan
- EDCs:** Develop metrics to assess energy security and balance the need to protect sensitive information
- CEAB/Other:** Use metrics to differentiate plans

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## 2. CEAB Process

### *Whitepaper Topics*

#### 9. Resource Finance

**Objective:** Evaluate the long term impact on energy supplies of contract and ownership options

**EDCs:** No involvement by EDCs in 2010

**CEAB/Other:** Focus on financing environment and impact of financial structures on resource mix

#### 10. Emerging Technologies

**Objective:** Evaluate technologies with greatest potential impact

**EDCs:** Will focus on PHEV and Smart Metering (review of CL&P's Smart Metering Pilot)

**CEAB/Other:** Review and consider long-term impacts

## 2. CEAB Process

### *Whitepaper Topics – New Topics in 2010*

#### 11. Natural Gas

**Objective:** New Whitepaper will consider implications of natural gas supply, demand and pricing

**EDCs:** Taking the lead on this new whitepaper – large focus on potential for gas supply in New England over next 10 years

**CEAB/Other:** Consider longer term implications

#### 12. Repowering

**Objective:** Consider life of existing generation plant and the impacts of retirements and/or repowering

**EDCs:** No direct involvement

**CEAB/Other:** NRG whitepaper

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## 2. CEAB Process

### *Whitepaper Topics – New Topics in 2010*

#### 13. Load Usage/Demographic Trends

**Objective:** Explore potential impact on demand of demographic trends/scenarios

**EDCs:** No direct involvement.

**CEAB/Other:** Factor into analysis any major demand impacts resulting from scenarios.

#### 14. Integration

Focus will be to create a fully integrated analysis of issues discussed in the other whitepapers and establish metrics for consideration of long-term supply scenarios in order to develop a portfolio of options to meet the State's cost, energy security and environmental goals.

#### 15. State Organization

Assess recommendations in state organizational studies relative to energy policy development and implementation.

### 3. 2010 Procurement Report

## *Putting the “I” in IRP*

### Set Portfolio Standard for 2030

1. Integrate information, analysis and metrics of topics in Whitepapers.
2. Articulate near-term decisions and policies necessary to achieve standards
3. Recommend structural/organizational/mission changes needed to implement the Plan

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## 3. 2010 Procurement Report

### *Details Available*

1. List of Whitepaper Topics and Board Liaisons has been distributed
2. Comprehensive workplans are available for each Whitepaper area
3. Stakeholder Workshops agendas are or will be available upon request