

# New Hampshire Energy Efficiency And Sustainable Energy Board

## Strategic Planning Session Results Preliminary and Incomplete

Session date: Friday, July 10, 2009  
Manchester, New Hampshire

# Barriers

1. Energy Pricing
2. High First Costs
3. Access to Capital
4. Split Incentives
5. Institutional Disincentives
6. Customer Confidence  
(includes Access to Information/Transaction Costs)
7. Customer Complexity

# Tools and Strategies

1. State Policy
2. Regulatory Process
3. Codes & Standards
4. Workforce, Infrastructure
5. Education, Awareness
6. Effective Advocacy
7. Research, Development and Demonstration

## State Policy - Legislation

1. Create a state energy authority. (3)
2. Update/Expand NH state law to establish EE as top priority. (3)
3. Create Renewable Portfolio Standard (RPS) for thermal energy. (2)
4. Establish mandatory targets and responsibilities in 5-yr increments. (2)
5. Meet higher energy code. (1)
6. Establish an energy audit for all real estate purchases and sales (P&S) as part of closing process. (1)
7. Codify CAP CO2 targets in statute. (1)

## State Policy – Tax Policy

1. Increase tax on all carbon-based energy. (5)
2. Develop tax policy to consistently provide incentives for residential EE and RE capital investments. (2)
3. Establish a state-wide property tax exemption for EE and RE investments. (4)
4. Establish a property tax abatement for EE funded from state weatherization fund. (1)
5. Establish a business profit tax deduction for EE and RE projects. (1)
6. Establish a low carbon fuel standard for transportation fuels and thermal fuels. (1)

# State Policy – Pricing and Financial

1. Allow for virtual net metering/Increase net metering cap. (1)
2. Create energy efficiency special assessment districts.
3. Enable legislation to promote Berkeley Model of voluntary assessment program. (3)
4. Remove barriers to commercial lending. (1)
5. Establish priority funding of state loans or grants to Smart Growth municipalities. (1)
6. Establish funding source for EE and efficient mortgages. (1)
7. Create energy price floors on all types of fossil fuel. (3)

## State Policy – Low Income

1. Amend RGGI Law RSA 125-0:23 to increase low income allocation from 10%-20%. (1)
2. Set aggressive goals to get EE and RE to all low income residents by a set date. (1)
3. Promote EE retrofit of low income rental housing. (1)

## State Policy – Consumer Assurance

1. Create a coordinating entity for EE and RE that is the 'go-to' resource for education and implementation. (2)
2. Require 3<sup>rd</sup> party evaluation of design and implementation of energy projects. (1)
3. Hold companies accountable for EE claims that they guarantee. (1)

## State Policy – Other

1. Eliminate all state subscribers for EE investments. (1)
2. Provide real-time continuous monitoring and verification of energy usage. (1)
3. Avoid certifying EE industry certificates. (1)
4. Accept certificates for residential weatherization. (1)

# Regulatory Process – State

1. Align utility incentives with policy objectives. (1)
2. Decouple utility profits from volumetric sales to reward conservation. (5)
3. Require electric and gas utilities to procure all cost-effective EE. (4)
4. Require utilities to solicit long-term purchase power agreements for NH-based renewables. (1)
5. Establish a feed-in-tariff (FIT) for small-scale renewables. (4)
6. Establish mandatory Smart Grid. (1)
7. Allow group net-metering. (1)
8. Obtain regulatory acceptance of performance-based initiatives and timing. (1)

# Regulatory Process – Utilities

1. Establish multi-year planning for EE programs to capture all cost-effective EE. (1)
2. Afford less focus on immediate savings and more value on information of longer-term solutions. (1)
3. Establish a regulatory process to review core utility programs for effectiveness with ESCO industry. (1)
4. Create on-bill (utility or property tax) financing of EE and RE investments. (1)

## Regulatory Process – Other

1. Increase role of PUC in providing information to consumers. (1)
2. Increase efforts to enhance low-income EE funding. (1)
3. Mandate incentives for actual energy reductions as opposed to measures. (1)

# Codes and Standards

1. Mandatory statewide energy code. (3)
  - a. LEED certified (1)
  - b. Net-zero homes get property tax exemption (1)
2. Require mandatory HERS at time of sale. (2)
3. Create energy code division and enforce compliance. (2)
4. Create tax incentives and tax reductions for affordable & workforce housing. (1)
5. Develop energy code training, CE, mandatory inspection, measurement, QA/QC. (2)
6. Integrate EE/RE clearing house and integrated inspection for RNC and Existing Buildings. (1)

## Codes and Standards - Other

1. Disallow dilution of international building codes. (1)
2. Preserve private property rights. (1)
3. Charge garbage recycling fee. (2)

## Workforce/Infrastructure – Create & Require

1. Require certification licensing of Energy Professionals, Continuing Education, Q&A, mentoring. (6)
2. Develop clear definition of ‘Green Jobs’. (1)
3. Support development of ‘Green Jobs’ training programs. (1)

## Workforce/Infrastructure – Other

1. Should we tear out 5,000 dams ? (1)
2. Be aware that states are competing for resources. (1)

# Education/Awareness

1. Conduct a massive public education campaign on climate change and options for EE and RE. (2)
2. Develop educational programs that identify strengths/weaknesses of various technologies. (1)
3. Create a vendor and technology neutral one-stop shop. (5)
4. Offer an energy circuit-rider program for local governments and coordinated, effective guidance and incentives for municipal action. (2)
5. Implement a targeted, educational and technical assistance service offered by a trusted neutral entity. (2)
6. Offer comprehensive energy audits with priorities, paybacks and multi-year road map solutions to consumers. (1)
7. Create a central information centre for incentives. (1)
8. Create an independent source for accurate assessments of energy savings with improvement of multiple energy factors. (1)
9. Create a clear 'path to cash' for energy consumers. (1)
10. Establish a collaborative for a local energy committee. (1)

## Education/Awareness - Other

1. Energy reduction is the number one priority. It's also a national security issue and therefore, patriotic. (1)
2. Create an open (for all points of view), scientific debate on issues and solutions. (1)
3. Where is a ? worth 300 lbs of CO<sub>2</sub>? (1)

# Effective Advocacy

1. Build public commitment to act now to protect the future of our children. (1)
2. Encourage and use trusted organizations (RPC's, municipal associations) to work with local officials. (1)
3. Support Local Energy Committees (LECs) as advocates for EE/SE or towns. (1)
4. Make EE/SE the desirable choice for all consumers. (1)
5. Provide ready access to individual carbon coaches (with audits including blower-door testing and thermography) for everyone committed to a serious carbon reduction strategy. (1)
6. Create programs to leverage private funds for energy improvements. (1)

## Effective Advocacy - Other

1. Balance market forces and government drivers. (1)
2. Evaluate conservation versus water power. (1)

# Research, Development and Demonstration

1. Create a clean energy economic development fund. (1)
2. Provide tax/economic incentives to encourage development and growth of cleantech business in New Hampshire. (1)
3. Provide support for case studies on demonstration projects. (1)
4. Enable feedback for all power users by realtime comprehensive consumption rate metering. (1)
5. Conduct and publish a lifecycle cost analysis design of new technologies. (1)
6. Create a clearing house for EE/SE products with state approval. (1)

## Miscellaneous

1. Complete municipal energy inventories on an annual basis (tie to grant a pre-requisite). (1)
2. Focus on 100,000 low-income homeowners regarding reducing consumption. (1)
3. Strengthen access to capital and credit for energy efficiency projects for businesses and homeowners. (1)
4. Establish state-backed EE and RE low-interest loan programs. (1)