

# Transmission Issues in New England

And how they affect NH

NH PUC, 8/29/07

# Present Status of Transmission, Generation and Cost

- Historic transmission costs in NE
- Breakdown of present generation resources in NH
- Breakdown of costs in a residential electric bill
- Comparison of electric costs in the northeast

# RNS Rates in NE

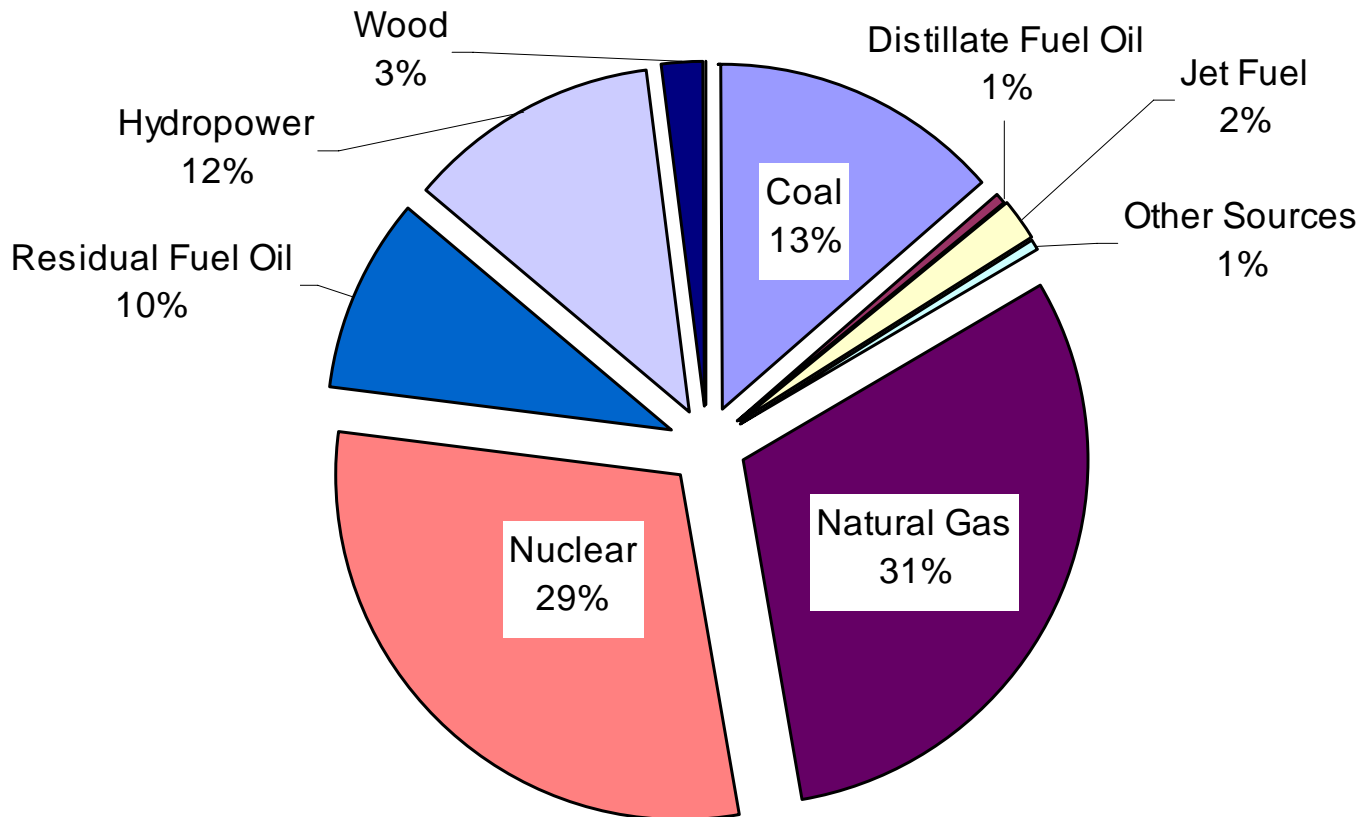
Rate Yr Beginning	Cost in \$/KW-Yr
6/1/97	14.25
6/1/00	14.88
6/1/03	15.60
6/1/04	16.81
6/1/05	18.82
6/1/06	25.62

# Existing Generation in NH

## Electric Generation Resources in New Hampshire as a Percent of Total, 2007

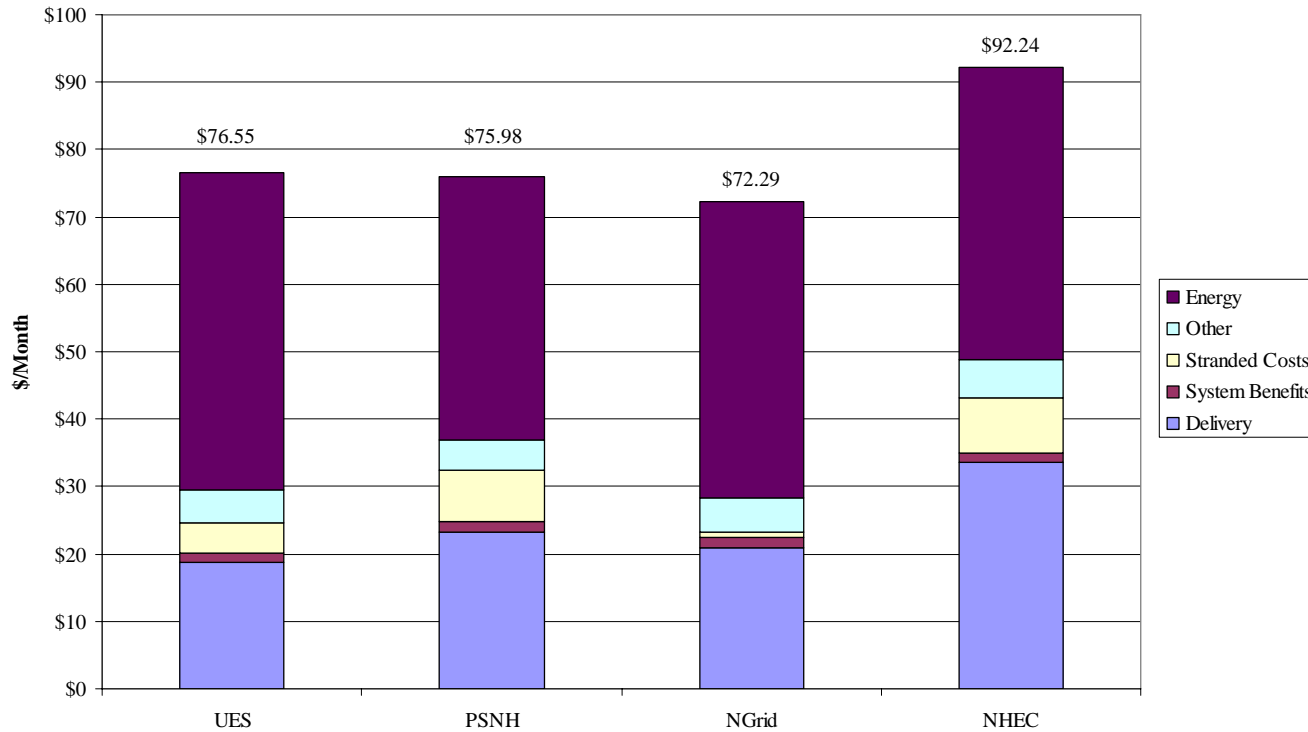
Other Sources includes Land Fill Gas, Municipal Solid Waste and Biomass Waste Generation Capacity is approximately 4,226 MWs

Source: ISO-NE *CELT Report*, 2007



# Breakdown of Costs in a Residential Electric Bill

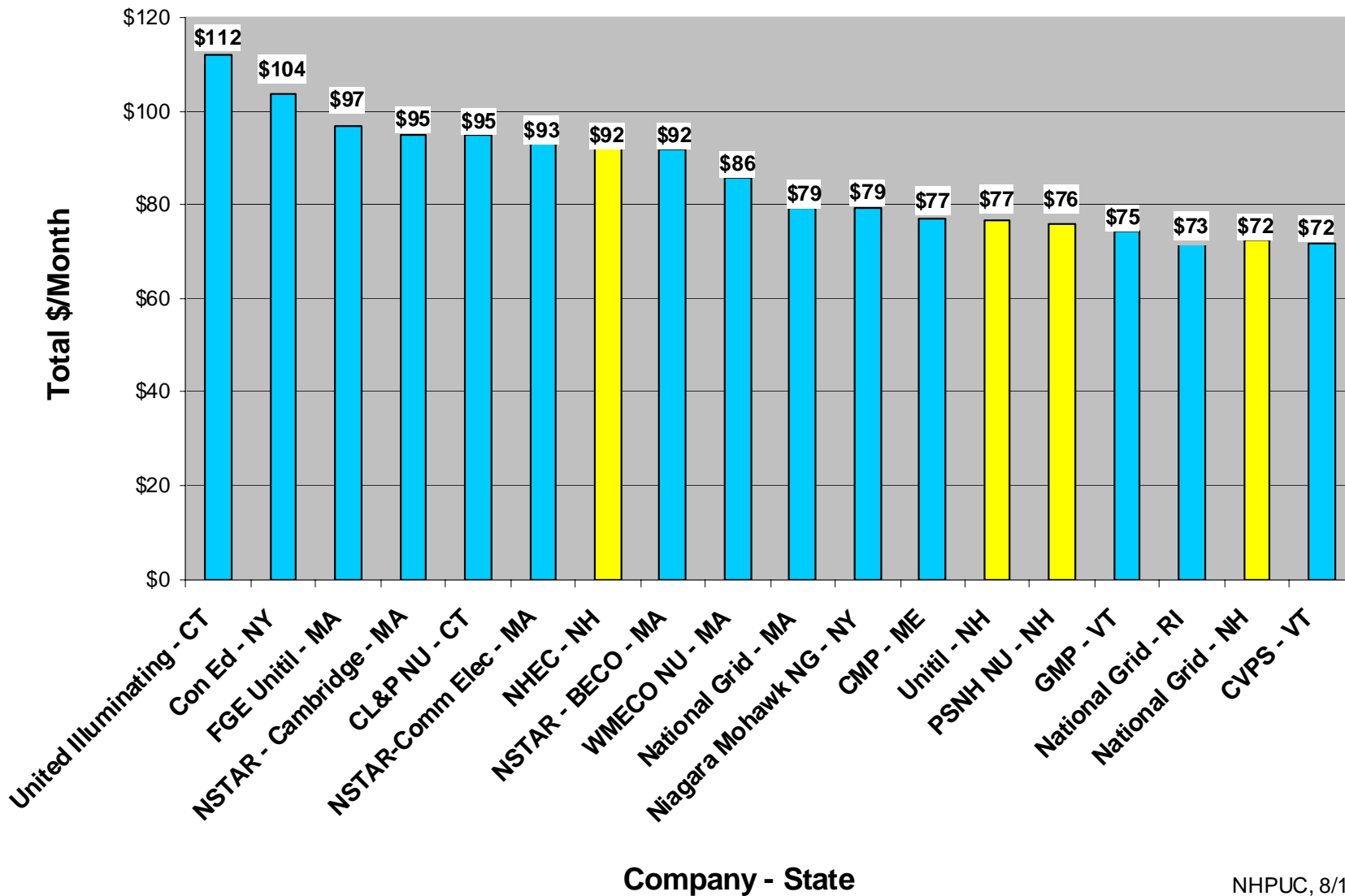
Illustrative Residential Bill  
500 kWh/Month  
July 1, 2007



# Comparison of Rates in the Northeast

## Monthly Residential Electric Bill Comparison as of August 1, 2007

*For 500 kWh per Month, Rounded to Nearest Whole Dollar*



# Why we are here? SB140

- Transmission Infrastructure; Action by Public Utilities Commission. It is in the public interest and to the benefit of New Hampshire to encourage the development of renewable energy. In order to develop substantial electric generation from renewable energy, existing transmission infrastructure, particularly in the northern part of the state, will need to be upgraded or replaced or new transmission facilities will need to be built. Appropriate upgrades to the transmission infrastructure are important to economic development. ***The public utilities commission, in furtherance of its duties under RSA 374-F:8, shall facilitate discussions among parties interested in the upgrade of electricity transmission in the northern part of the state.*** The public utilities commission shall file a report with the general court by December 1, 2007 that describes: the existing electricity transmission system in New Hampshire; the current process for siting, constructing, and financing transmission upgrades and expansion; the approximate costs of potentially appropriate transmission upgrades; approaches pursued by other states to encourage transmission expansion related to renewable generation; and actions the public utilities commission has taken to advance New Hampshire interests with respect to transmission.

# What is the NH PUC Doing

- A public meeting on North Country Transmission issues was held in Groveton on 8/7/07. See the PUC web site for copies of the presentations
- Submitted comments to the Regional System Plan to ISO-NE on SB 140 and the need to address “Location Constrained Generation” in New England



# What is the PUC Doing continued

- Meeting with the various stakeholders, e.g. today's meeting.

This will continue throughout the fall

- Consulting with other states
- Ultimately, issuing a report to the legislature

# Resources for Additional Information on Transmission

- PUC web page [www.puc.nh.gov](http://www.puc.nh.gov)  
Here you can find links to
- The slide presentations made in Groveton
- Today's slide presentations
- The NECPUC Staff report on Transmission in New England