



# NPCC Winter Overview

November 28, 2006

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**“NPCC is committed to building on the lessons learned from the August 14, 2003 Blackout to assure a reliable power system.”**

**NPCC Vision:**

- Maintain the trust and confidence of the public
- Reliability Criteria that meets the specific needs of the Northeast
- Fair and open Reliability Criteria enforcement process

## Description

The Northeast Power Coordinating Council (NPCC) is the international electric Regional Reliability Council formed in 1966 shortly after the 1965 Northeast Blackout to promote the reliability and efficiency of the interconnected power systems within its geographic area. That area includes New York, the six New England states, Ontario, Quebec, and Maritime Provinces in Canada. The total population served is approximately 56 million. The area covered is approximately 1 million square miles. From an electric load perspective, 20% of the Eastern Interconnection load is served within NPCC. For Canadian electricity requirements, 70% of Canadian load is located within the NPCC region. NPCC is one of the eight Regional Reliability Councils located throughout the United States, Canada and portions of Mexico that together make up the North American Electric Reliability Council (NERC).

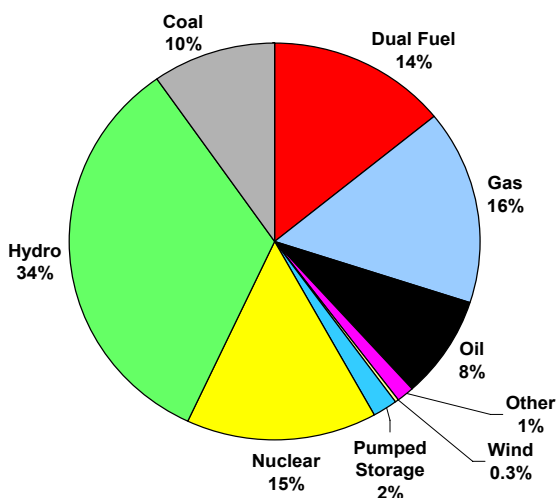
## Mission

NPCC establishes the processes that assure the reliable and efficient operation of the international, interconnected bulk power systems in Northeastern North America through development and enforcement of regionally-specific criteria that are not inconsistent with NERC broad-based continent-wide reliability standards. NPCC coordinates system planning, design and operations, assesses reliability, and monitors and enforces mandatory compliance with regional reliability criteria. NPCC, to the extent possible, facilitates attainment of fair, effective and efficient competitive electric markets.

## NPCC Statistics

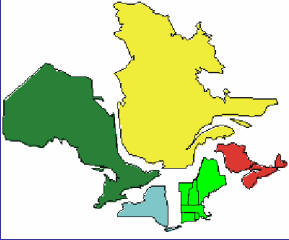
<b>Projected 2006/07 Winter Coincident Peak Demand</b>	115,591 MW
<b>Projected 2006/07 Winter Net Operable Capacity</b>	153,957 MW

Relative Capacity by Fuel Mix



Among the five NPCC geographic areas, the Maritimes and Québec Areas are predominantly winter-peaking systems.

In the past, Ontario has experienced its annual peak demand in the winter; however, recent Ontario annual peak demand has occurred during the summer due to extreme weather conditions.



**NPCC's international membership is comprised of electric utilities, transmission providers, independent generators, power marketers, transmission customers, Independent System Operators (ISOs), a state-wide sub-regional reliability council, and provincial and state regulatory authorities.**

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## Membership

NPCC is a voluntary, non-profit electric reliability organization. Its current membership represents Transmission Providers and Transmission Customers serving the northeastern United States and central and eastern Canada. The *Membership Agreement* allows for non voting membership to be extended to regulatory agencies with jurisdiction over participants in the electricity market in Northeastern North America. It also extends membership to public-interest organizations expressing interest in the reliability of electric service in Northeastern North America.

- Central Hudson Gas & Electric Corporation
- Central Maine Power Company
- Cinergy Services, Inc.
- Consolidated Edison Company of New York, Inc.
- Consolidated Edison Energy/Development, Inc.
- Constellation Power Source, Inc.
- Dominion Energy Marketing, Inc.
- Entergy Nuclear Northeast, Inc.
- Exelon Corporation
- FPL Energy, LLC
- Hydro One Inc.
- Hydro-Québec Distribution
- Hydro-Québec Production
- Hydro-Québec TransÉnergie
- Independent Electricity System Operator (Ontario)
- ISO New England, Inc.
- Long Island Power Authority
- National Grid USA
- New Brunswick Power Transmission Co.
- New Brunswick System Operator
- New York Independent System Operator
- New York Power Authority
- New York State Electric & Gas Corporation
- New York State Reliability Council, LLC
- Northeast Utilities
- Nova Scotia Power Incorporated
- NSTAR Electric
- Ontario Power Generation, Inc.
- PPL, EnergyPlus, LLC
- Rochester Gas & Electric Corporation
- The United Illuminating Company, Inc.
- Vermont Electric Power Company, Inc.

### Public Interest Members

- Maine Public Utilities Commission
- New England Conference of Public Utility Commissioners, Inc.
- New York State Department of Public Service
- Ontario Energy Board
- Québec Energy Board
- Vermont Department of Public Service