



Bear Swamp Pumped Storage Upgrade | NHA Regional Meeting 09.10.08



Forward-Looking Statement

Note: This corporate presentation contains forward-looking information within the meaning of Canadian provincial securities laws, and other “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The words “build”, “increase”, “expend”, “sustain”, and other expressions which are predictions of or indicate future events, trends or prospects and which do not relate to historical matters identify forward-looking statements. Although Brookfield Renewable Power, a wholly owned subsidiary of Brookfield Asset Management (“Brookfield”), believes that the anticipated future achievements expressed or implied by the forward-looking statements and information are based upon reasonable assumptions and expectations, the reader should not place undue reliance on forward-looking statements and information because they involve known and unknown risks, uncertainties and other factors which may cause the actual results or achievements of the company to differ materially from those that are expressed or implied by such forward-looking statements and information. Factors that could cause actual achievements to differ materially from those contemplated or implied by forward-looking statements include: general economic conditions; interest; availability of equity and debt financing; the ability to effectively acquire high quality assets for value and integrate acquisitions into existing operations; continued demand by institutional investors for Brookfield’s asset classes; recognition in the capital markets of Brookfield’s value as an asset manager relative to comparative asset managers; equipment failures, and other risks and factors described from time to time in the documents filed by the company with the securities regulators in Canada and the United States including in the Annual Information Form under the heading “Business Environment and Risks.” The company undertakes no obligation to publicly update or revise any forward-looking statements or information, whether as a result of new information, future events or otherwise.



Brookfield Asset Management

A global asset management company

- ▶ Brookfield Asset Management (NYSE/TSX: BAM) is an asset management company, focused on property, power and infrastructure assets
- ▶ Approximately US\$95 billion of assets owned and under management
- ▶ Approximately 10,000 employees in the Americas, Europe and Australia



▶ **120 million sq. ft. office and retail space**



▶ **162 renewable power plants**



▶ **2.5 million acres of timberlands**



▶ **11,000 km of transmission lines**



Brookfield Renewable Power

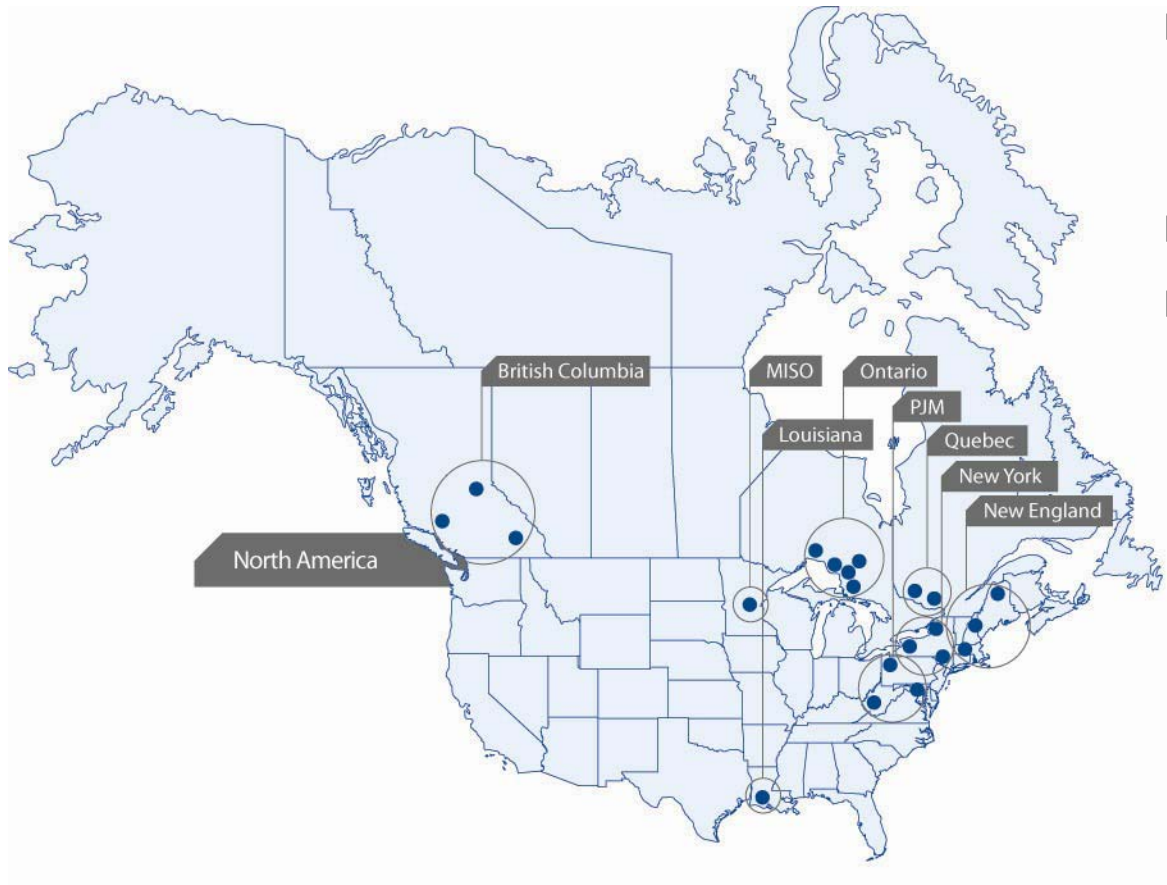
Unique power operations focused on renewable energy

- ▶ Brookfield Renewable Power is a leading producer and developer of renewable energy focused on hydroelectric and wind technologies
- ▶ Over US\$13 billion of assets owned and under management
- ▶ Approximately 1,000 employees in North America and Brazil



Brookfield Renewable Power

Geographically diverse operations



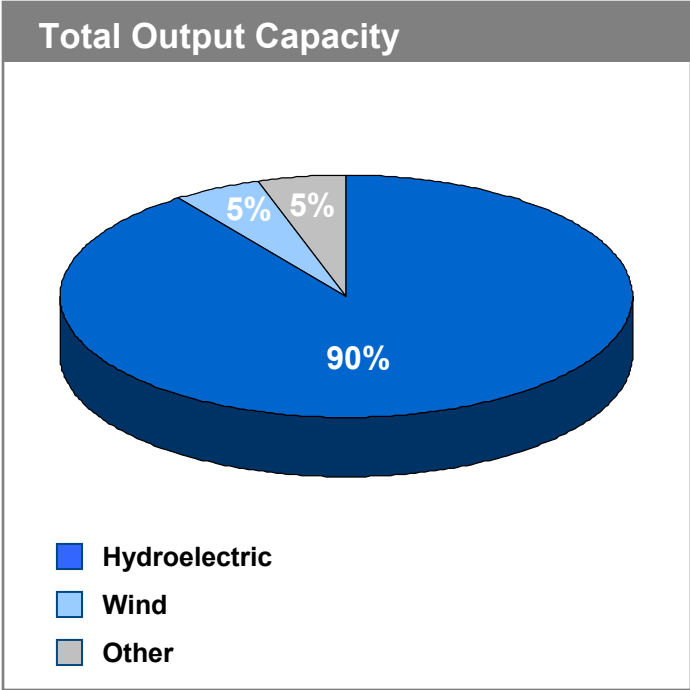
- ▶ 3 countries: United States, Canada and Brazil
- ▶ 9 markets
- ▶ 63 river systems



Brookfield Renewable Power

Leader in hydroelectric power in North America and Brazil

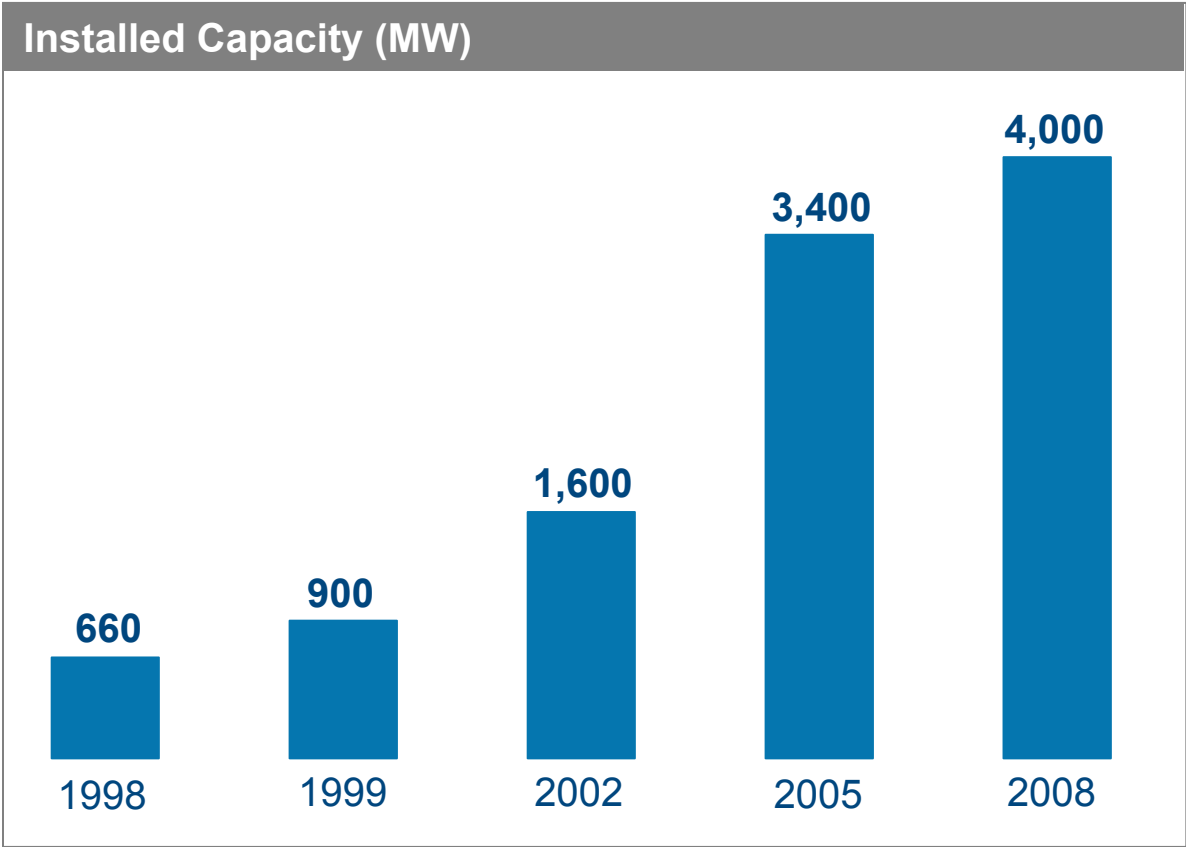
Hydroelectric Portfolio		
Markets	Stations	MW
United States		
New England	20	841
New York	75	702
PJM/MISO	4	168
Louisiana	1	192
Canada		
Quebec	6	282
Ontario	21	897
British Columbia	5	135
Brazil	29	470
	161	3,687



- ▶ 95% of our production is sourced from renewable energy
- ▶ Generating assets on 63 river systems
- ▶ Over 100 years of power generating experience

Brookfield Renewable Power

In the last 10 years
Brookfield has invested close to \$3 billion in acquiring more than 2,900 megawatts of generating capacity in over 22 transactions

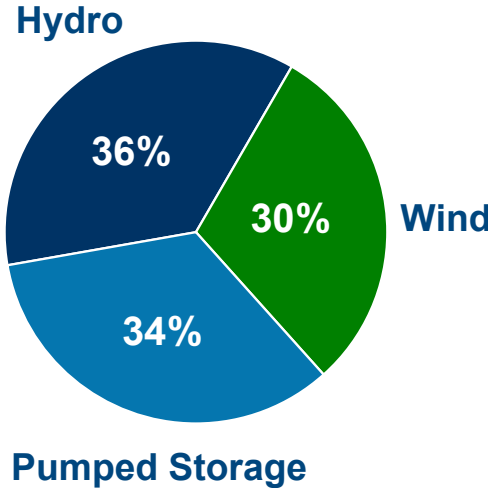


Growth Objectives

Significant Development Pipeline

148 projects totaling up to 6,700 megawatts, including 722 megawatts already under construction or in advanced stages of development

6,700 Megawatts of Hydro & Wind Growth Prospects



	Megawatts
Hydro	
- Conventional	2,458
- Pumped storage	2,280
Wind	1,982
Total	~6,700

U.S. Operations Headquarters in Massachusetts

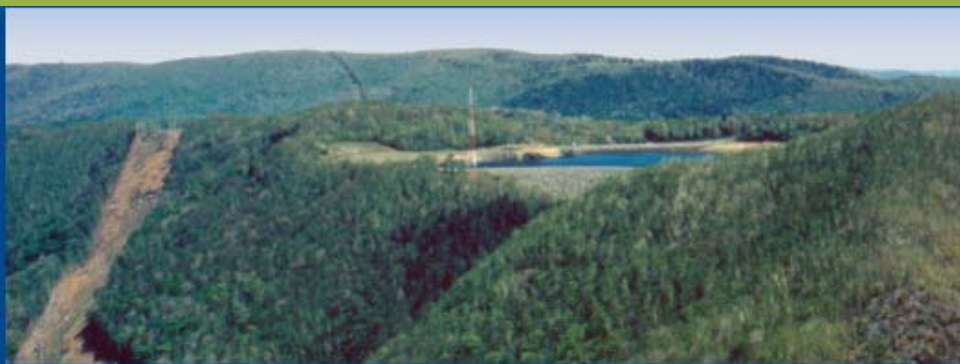
- Opened early 2008
- System Control and all major operations business functions consolidated in one office
- 100+ green jobs in next 18 months
- Strong support from local officials

MARLBOROUGH
100 jobs expected from new green HQ
➤ Brookfield Renewable Power will base its U.S. operations here

Power play
IN MARLBOROUGH
Brookfield Renewable to build control center in city

Canadian firm to have US base in Marlborough

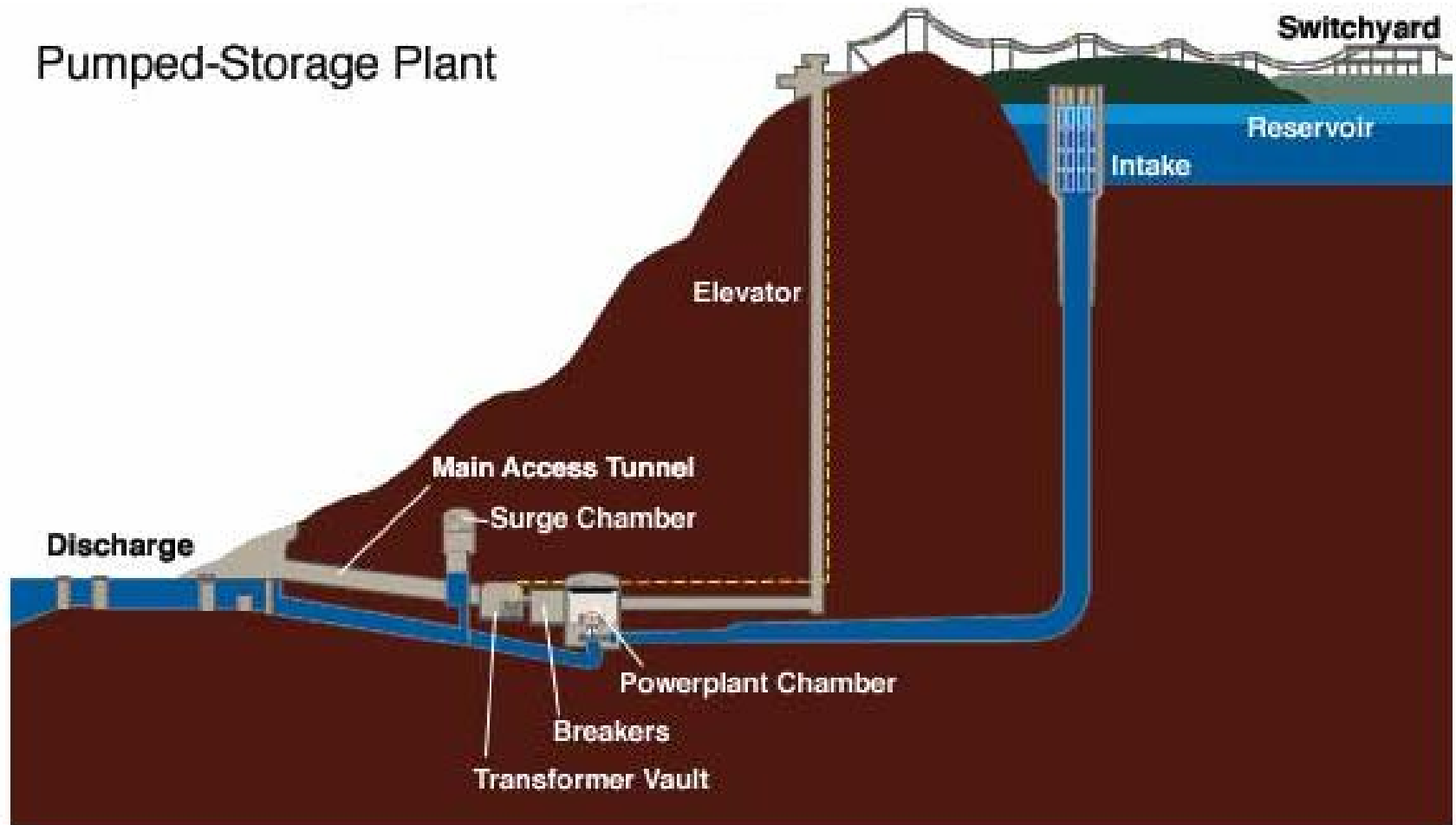




Brookfield Renewable Power | Bear Swamp Pumped Storage



Pump Storage Schematic



*Source: United States Tennessee Valley Authority



Bear Swamp (Jack Cockwell) Pumped Storage Facility

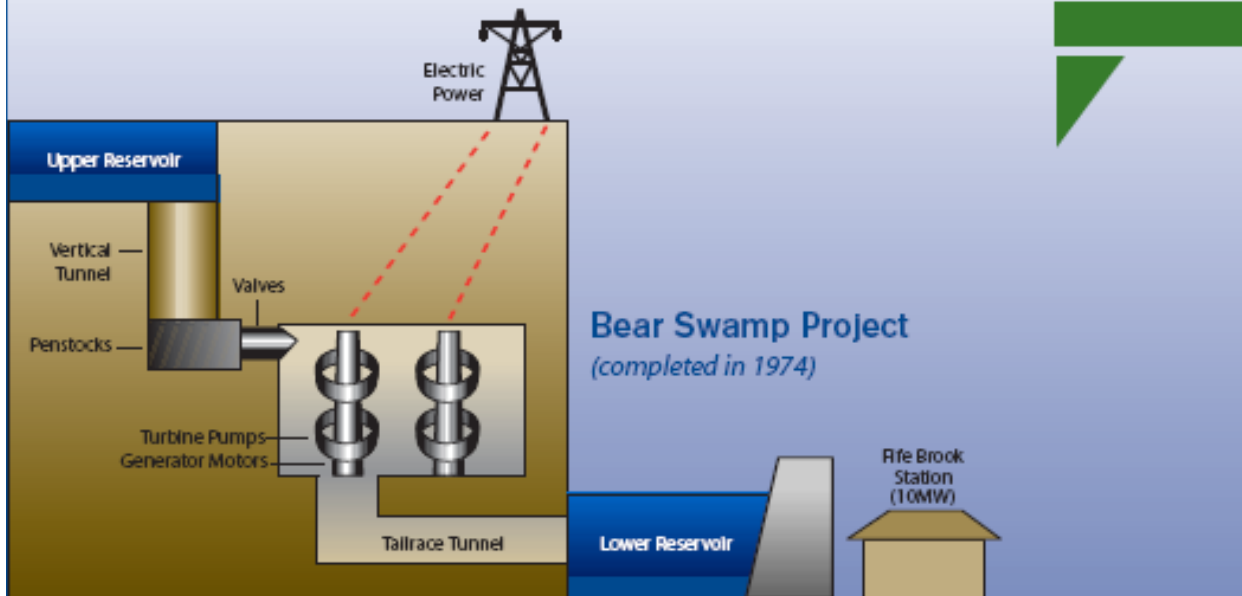
Bear Swamp FERC Project No. 2669 POWER COMPANY, LLC

COCKWELL

Number of generating units.....2
Total Installed Capacity (MW).....600

FIFE BROOK

Number of generating units.....1
Total Installed Capacity (MW).....10



- ▶ 8th Largest Power Plant in Massachusetts by Generation Capacity (2006, EIA)
 - Constructed 1974
 - Rowe/Florida, MA
 - Two reversible Francis type pump turbines
 - 118-acre upper reservoir
 - 5,260 acre-feet of useable storage
 - 152-acre lower reservoir
 - 4,900 acre-feet of useable storage
 - Powerhouse located 800 feet inside Rowe Mountain



Why Pump Storage economical...

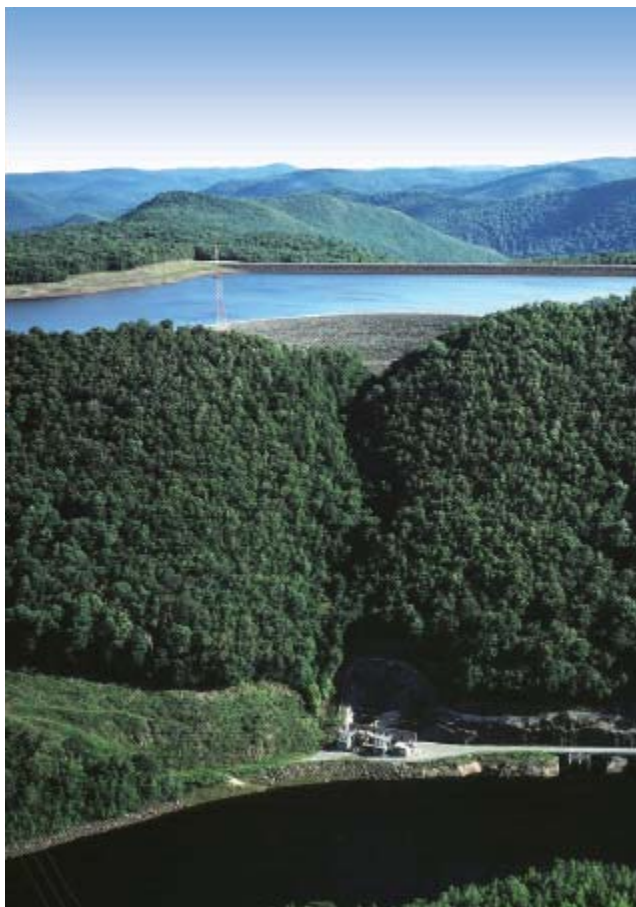
- ▶ Pump Storage is 70 – 85% efficient
- ▶ Generate on-peak, pump off-peak
 - Energy price spreads need to large enough to overcome pumping inefficiency
 - Pump when Nuclear/Coal Generation is on the margin
 - Generate when Gas/Oil Generation is on the margin
- ▶ 2007 ISO New England average On-Peak* price: \$77.79/MWh**
- ▶ 2007 ISO New England average Off-Peak* price: \$60.50/MWh**
- ▶ Pinpointing the best hours to pump/generate is key to making Pump Storage economical

*On-peak hours are all hours between 7:00 a.m. and 11:00 p.m. during weekdays that are not NERC holidays. All other hours are off-peak hours.

** Source: ISO New England 2007 Annual Markets Report

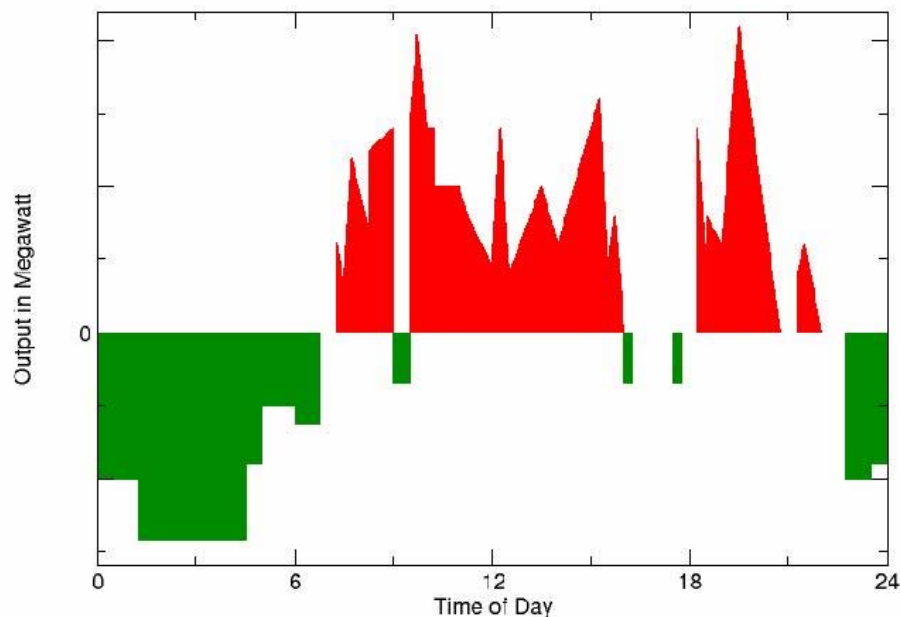


Importance of Pumped Storage to Transmission System



Energy Storage and Load Balancing

- Store/Pump off-peak
- Generate on-peak



*Source: United States Tennessee Valley Authority

Also Provides: Frequency Control & Energy Reserves



Bear Swamp Upgrade

- ▶ **Plan to upgrade Facility, adding 66 MW**
 - Amended FERC license approved in August 2008
 - Earlier approvals received from Massachusetts' Department of Environmental Protection and Energy Facilities Siting Board
 - Involves overhaul, replacement and maintenance on Facility's original equipment
 - Replace both existing pump-turbine runners with new ones. Each unit would have a turbine output of 338 MW.
 - Overhaul and rewind the existing motor-generators for each of the two pump-turbines. The new generator nameplates for both units will be 333 MW
 - Complete associated modifications, including the replacement of:
 - Turbine runner seals
 - Wicket gates and bushings
 - Stay vane and stay ring
 - Turbine shaft seal
 - Currently reviewing technical and economic bids for job



Why the Investment Makes Sense

- ▶ **Additional Revenues will be gained from sales of various products**
 - ICAP
 - Forward Reserves
 - Ancillary Services
 - Generation Optimization
 - Pumping Optimization

- ▶ We hope to begin the overhaul on the first unit in 2011 and the second unit in 2012





Thank You

