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MOSES WILIAMS, ESQ. E. LEON JACOBS, JR., ESQ.

November 7, 2006

Blanca Bayo
Director, Office of the Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

RE: Docket No. 060635-EU
Petition for determination of need for electrical power plant in Taylor County
By Florida Municipal Power Agency, JEA, Reedy Creek Improvement District,
And City of Tallahassee

Dear Ms. Bayo:

On behalf of the Sierra Club, Inc., John Hedrick and Brian Lupiani, please find enclosed the original and fifteen copies of exhibit MP-1, to the direct prefiled testimony of Hale Powell in the above-referenced docket, which was inadvertently omitted in the original filing. Also enclosed is an amended exhibit MP-3, containing an updated resume for Mr. Powell. I thank you for your attention to this matter.

Sincerely,

E. Leon Jacobs, Jr.
Attorney for the Sierra Club, John Hedrick and Brian Lupiani

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CTR org
ECR ____
GCL 1
OPC ____
RCA ____
SCR ____
SGA ____
SEC 1
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Enclosures

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DOCUMENT NUMBER-DATE
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Docket No 060635
Taylor Energy Center
Testimony of Hale Powell
Exhibit _____ [HP-1]

2005 Energy Efficiency Annual Report, Massachusetts

DOCUMENT NUMBER-DATE
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2005
Energy Efficiency
Annual Report

Massachusetts Electric Company
Nantucket Electric Company
d/b/a National Grid

July 2006

Submitted to:

Massachusetts Division of Energy Resources

Massachusetts Department of Telecommunications and Energy

nationalgrid

Taylor Energy Center
Hale Powell Exhibit

The following is a very brief excerpt from National Grid USA's annual DSM regulatory filing in Massashusetts in July 2006. The entire report, which can be accessed at **http://www.nationalgridus.com/2005annualreport**, is an extremely detailed analysis of the performance of National Grid's residential, commercial and industrial DSM programs during the 2005 calendar year.

During that year a total of 653,000 customers of all sectors participated in DSM programs. Overall, the programs saved a total of 201 GWH with a cost-effectiveness of 2.98.

Among other features, the "Annual Report" identifies

1- Expenditures, Energy and Demand Savings by Customer Type
2- DSM Cost effectiveness by Customer Type
3- Performance of Residential and Business End-Use Technologies
4- Methodologies for evaluation of program performance
5- DSM Regulatory Incentive Achievements for DSM Performance
6- Impacts from market-based "market transformation" programs

The report also provides detail of 22 DSM related research efforts that assessed the performance of the 2005 efficiency programs. Equally important were studies that evaluated DSM program administrative efficiency and the potential of new efficient end-use technologies.

SUMMARY OF 2005 RESULTS

TABLE 1 SAVINGS AND EXPENSES FOR 2005				
Measurement	Amount	Units	Percent Change Comparison	
			Preliminary	Filed Target
Program Implementation Expenses	$47.67	$ - Millions	0.00%	-2.30%
Total Expenses	$70.33	$ - Millions	0.00%	1.68%
Annual Energy Savings	201	GWh	0.78%	31.69%
Annual Summer Demand Savings	22.9	MW	2.64%	10.93%
Annual Winter Demand Savings	25.4	MW	-0.67%	13.49%
Lifetime Energy Savings	2,164	GWh	1.30%	24.39%
Lifetime Demand Savings	295	MW-Years	2.74%	3.24%
Total Resource Cost Test	2.98	Benefit / Cost	1.46%	13.61%
Performance Incentive - After Taxes	$2.64	$ - Millions	-1.73%	6.51%

A total of 653,486 customers participated in the Company's 2005 energy efficiency programs: 642,481 residential customers, 9,642 low-income customers, and 1,363 commercial and industrial customers. Table 1 summarizes savings and expenses for 2005 programs and compares 2005 evaluated results to preliminary year end estimates and filed targets. Evaluated lifetime energy savings in 2005 are 1.3% higher than the preliminary year end estimate and 24.4% higher than the filed target. Evaluated lifetime demand

Summary of Residential DSM Results - 2005

TABLE 2 SUMMARY OF RESIDENTIAL BCR ACTIVITIES								
Benefit-Cost Ratio Activity	Lifetime MWH		Lifetime kW		Lifetime $ NEB		TRC Values	
	Preliminary	Evaluated	Preliminary	Evaluated	Preliminary	Evaluated	$-Benefits	$-Costs
A02a Residential Lost Opportunity	10,256	10,256	5,572	5,572	$2,431,183	$2,431,183	$3,756,079	$2,051,801
A02b Residential HVAC	13,043	13,043	12,357	12,357	(185,177)	(185,177)	$2,294,135	$1,479,020
A03a Residential Retrofit 1-4	25,897	25,897	1,251	1,251	$4,232,249	$4,232,249	$5,866,722	$5,218,990
A03b Residential Retrofit Multifamily	104,968	93,102	6,686	5,930	$235,483	$235,483	$7,078,439	$4,117,795
A03c Residential Load Response	-	-	0	0	-	-	$0	$339,073
A04a Residential Lighting	641,502	641,502	38,811	38,811	$8,412,741	$8,412,741	$48,686,043	$9,388,876
A04b Residential Appliances	47,688	49,357	18,343	20,480	$8,822,260	$10,292,552	$15,968,107	$3,694,386

As shown in Table 2, Residential program efforts have produced more than $83 million in benefits at a cost of approximately $27 million. These programs were cost effective overall with a B/C ratio of 3.07.

Summary of Commercial and Industrial DSM Results - 2005

Commercial and Industrial Programs

In 2005, the Company provided energy efficiency services to its Commercial and Industrial (C&I) customers that are categorized in three benefit-cost ratio (BCR) activities including C&I Lost Opportunity (Design 2000*plus*), Large C&I Retrofit (Energy Initiative), and Small C&I Retrofit (Small Business Services). Table 4 provides a summary of preliminary year end results and evaluated results for each of these BCR activities. It also provides a summary of the dollar value of benefits and costs for each BCR activity.

TABLE 4
SUMMARY OF C&I BCR ACTIVITIES

Benefit-Cost Ratio Activity	Lifetime MWH		Lifetime kW		Lifetime $ NEB		TRC Values	
	Preliminary	Evaluated	Preliminary	Evaluated	Preliminary	Evaluated	$-Benefits	$-Costs
C02a C&I Lost Opportunity	309,753	324,173	64,549	64,258	$88,529	$125,322	$34,538,991	$9,681,566
C03a Large C&I Retrofit	898,482	736,982	98,198	102,198	$2,958,837	$2,916,921	$54,387,957	$19,705,326
C03b Small C&I Retrofit	139,267	139,485	34,057	33,467	$113,189	$110,925	$12,167,831	$4,829,841

As shown in Table 4, C&I program efforts have produced more than $91 million in benefits at a cost of approximately $34 million. These programs were cost effective overall with a B/C ratio of 2.66.

Docket No 060635
Taylor Energy Center
Testimony of Hale Powell
Exhibit _____ [HP-3]

Resume of Hale Powell

Hale Powell

HPowell Energy Associates.
20 Acton Road
Westford, Ma. 01886
Phone 978.337.4284
Email: hpenergy@aol.com

Professional Experience

Principal; Hpowell Energy Associates, Westford, Massachusetts
Independent consultant specializing in DSM program design and implementation. Recent projects have focused largely on the industrial and educational sectors. Clients also include regulated utilities and the national Compressed Air Challenge, in collaboration with the US Department of Energy. In addition, under a USDOE grant I co-authored a publication entitled School Operations and Maintenance: Best Practices for Controlling Energy Costs (2004).

Multi-State Building Energy Codes Project Manager: Northeast Energy Efficiency Partnerships, Inc. Lexington, MA. 2002-2003
Primary responsibility was to develop and administer NEEP's multi-state initiative to promote enhanced commercial and residential energy codes. Worked extensively with state Energy Offices from Maine to Pennsylvania to assist in the adoption of the most up-to-date model energy codes and standards.

Senior Analyst-Business Energy Efficiency Services: National Grid USA, Westborough, MA. 1998-2002
Team leader on multi-utility program development projects for a variety of commerical and industrial end-uses. Extensive focus on industrial markets and technolgies; served on the Project Development Committee of the National Compressed Air Challenge with the U.S.DOE. Project leader on air emissions impacts of energy efficiency. Wrote regulatory filings, market transformation plans, technical curricula and newsletters. Developed and implemented DSM program for large urban school districts in Massachusetts.

Senior Analyst- Energy Efficiency Program Evaluation, New England Electric System (now National Grid USA), Westborough, MA. 1994-1998
Primary author or project manager for multiple utility market research and baseline studies addressing several energy end-use markets. Project manager of statistical assessments of energy savings for residential, commercial and industrial energy efficiency projects. Electric billing and metering data was employed for analysis. Coordinated multi-utility studies on HVAC and industrial compressed air systems.

Senior Analyst- Energy Efficiency Program Evaluation, Synergic Resources Corporation, MA. 1992-1994

Provided demand-side management (DSM) evaluation assistance to New England Electric System.

Marketing Analyst. Puget Energy Service Company, Philadelphia, PA. 1991

Identified and contacted large commercial and industrial prospects for ESCO efficiency projects in New Jersey.

Xenergy Inc. , Business Facility Auditor, Long Island Lighting Co., NY 1989

Performed independent "Xencap" energy efficiency audits of commercial facilities.

Proprietor and licensed electrical contractor, California. 1978- 1987

Specialized in small and mid-sized commercial facility construction and electrical renovation. Active in early Pacific Gas and Electric commercial lighting efficiency programs.

Education:

Master of Science in Energy Management and Policy, University of Pennsylvania, Philadelphia, PA, 1991

Bachelor of Science, Public Policy, Hunter College, NY, NY. 1989