

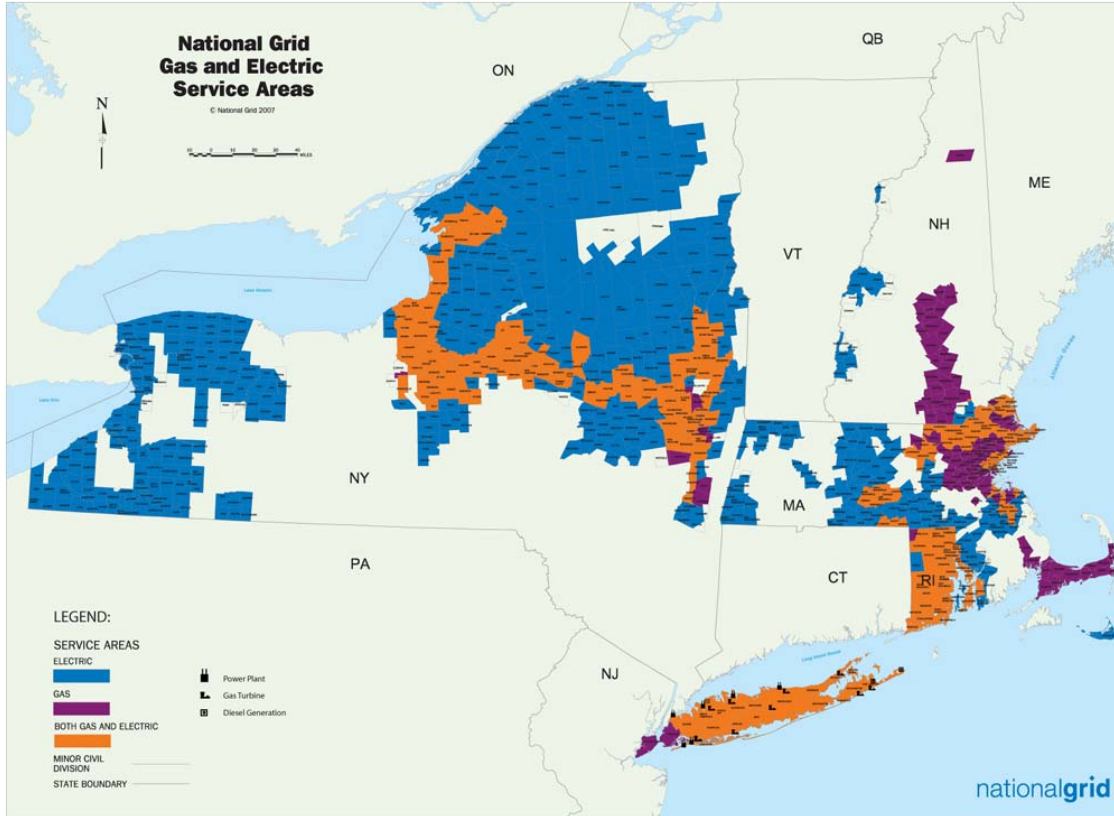
National Grid's Partnership With the US Department of Energy

Mark DiPetrillo
CEE Conference- June 2, 2010

nationalgrid
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National Grid - A Little Background:

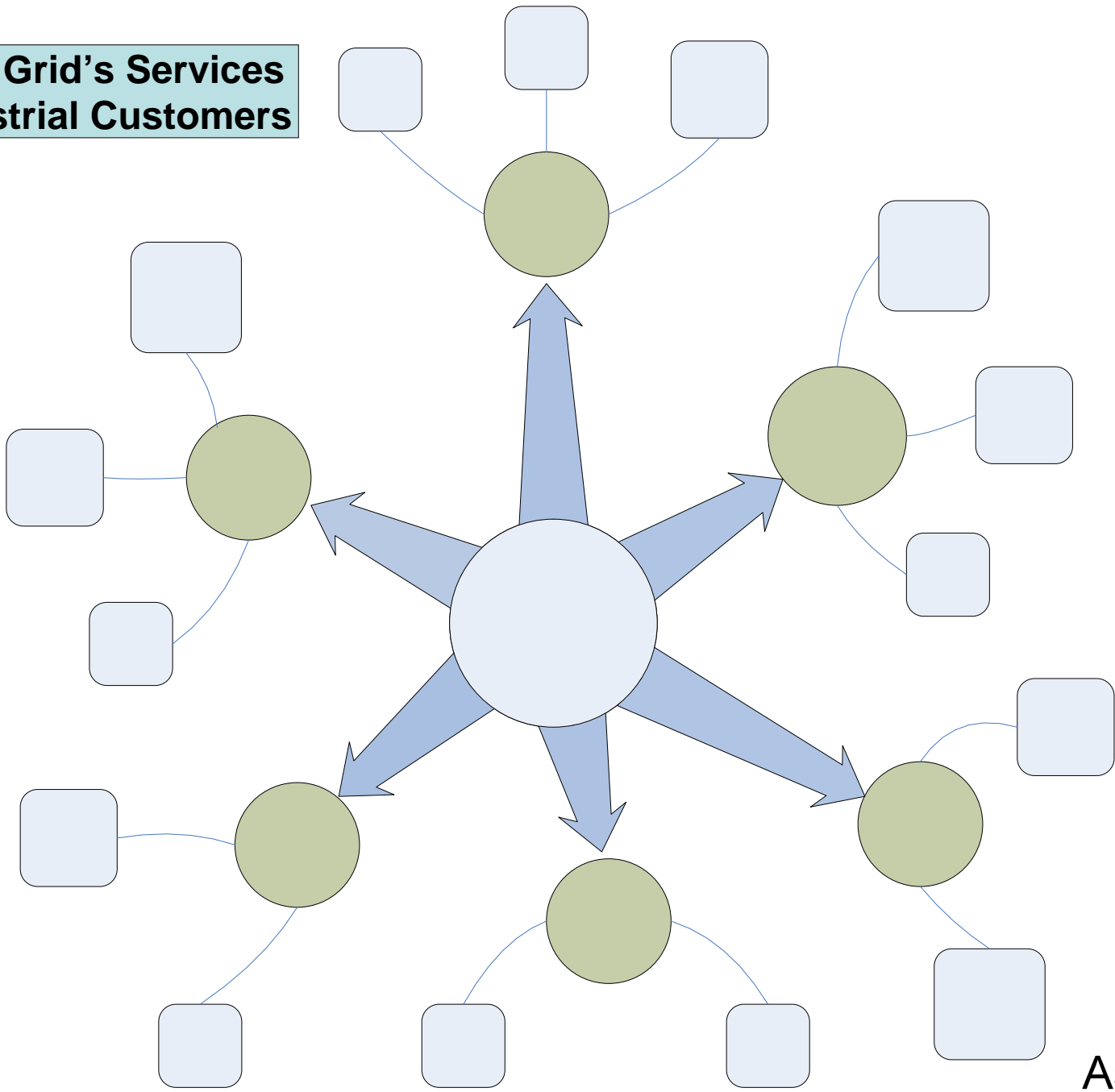
National Grid Electricity and Gas Service Areas - US



- ◆ One of the largest investor-owned energy companies in the world, with headquarters in the U.K. and the Northeast U.S.*
- ◆ Natural gas is provided to over 3.4 million customers; and electricity to about 4.4 million customers (including LIPA).
- ◆ For over 20 years, National Grid has been delivering innovative electric and gas efficiency programs to our residential and business customers.
- ◆ More than 4.7 million National Grid customer projects completed in New England, saving more than \$3.6 billion in energy costs.
- ◆ Efficiency programs save customers over \$250 million annually.
- ◆ Over \$1 billion invested in efficiency to date.

*Based on customer numbers; includes the servicing of LIPA's 1.1 million customers

National Grid's Services For Industrial Customers



6/7/2010

Steam
Assessment
Study

In the past National Grid has taken advantage of many of the tools supplied by the Department of Energy:

◆ Web Site

- ◆ Case Studies
- ◆ Data Base of all DOE's Industrial Assessments

◆ Software

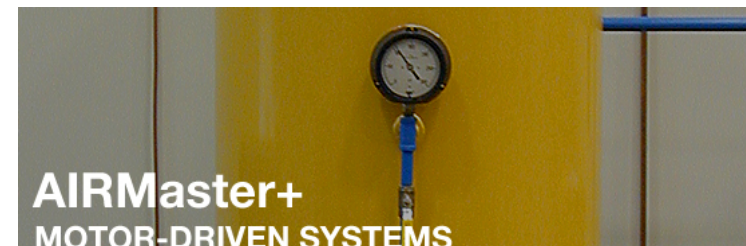
- ◆ Steam
- ◆ Motor Master+
- ◆ Chilled Water System Analysis

◆ Certifications:

- ◆ Steam Systems Tool Specialists
- ◆ Compressed AirMaster+

◆ Industrial Assessment Centers

- ◆ University of Massachusetts
- ◆ Syracuse University



Industrial Assessment Center at University of Massachusetts

- ◆ **Thanks to the work of Dr. Beka Kosanovic, the centers director, we have had several years of positive interactions with the IAC at UMASS.**
- ◆ **The center has been an excellent source for energy engineers in the New England**
- ◆ **The center has provided us with several trainings on:**
 - ◆ **Steam**
 - ◆ **CHP**
 - ◆ **Compressed Air**
 - ◆ **Chilled Water System**
 - ◆ **Pumping**



The center has also provided assistance with:

- ◆ **The IAC has assisted us in Program Design**

- ◆ CHP Initiative – M & V

- ◆ Industrial Initiative – Possible Energy Efficiency Measures

- ◆ **Previous Assessments have lead to projects:**

- ◆ CPI - North Shore, Process Heating Upgrades (Electric furnace)

- ◆ Osram, Central Falls, RI (Compressed Air)

What else can we do together?

- ◆ **Use of DOE's Plant Assessments as Scoping Study (soon to come in Massachusetts)**
- ◆ **Partner with Syracuse University's IAC to launch National Grid's Industrial Program in Upstate New York**
- ◆ **Use of DOE's Energy Profiler for Benchmarking**
- ◆ **Develop additional EEM's for our Industrial Program**