



# **The Tangled Web of Evaluation in the Northeast United States**

## **A Program Administrator Perspective**

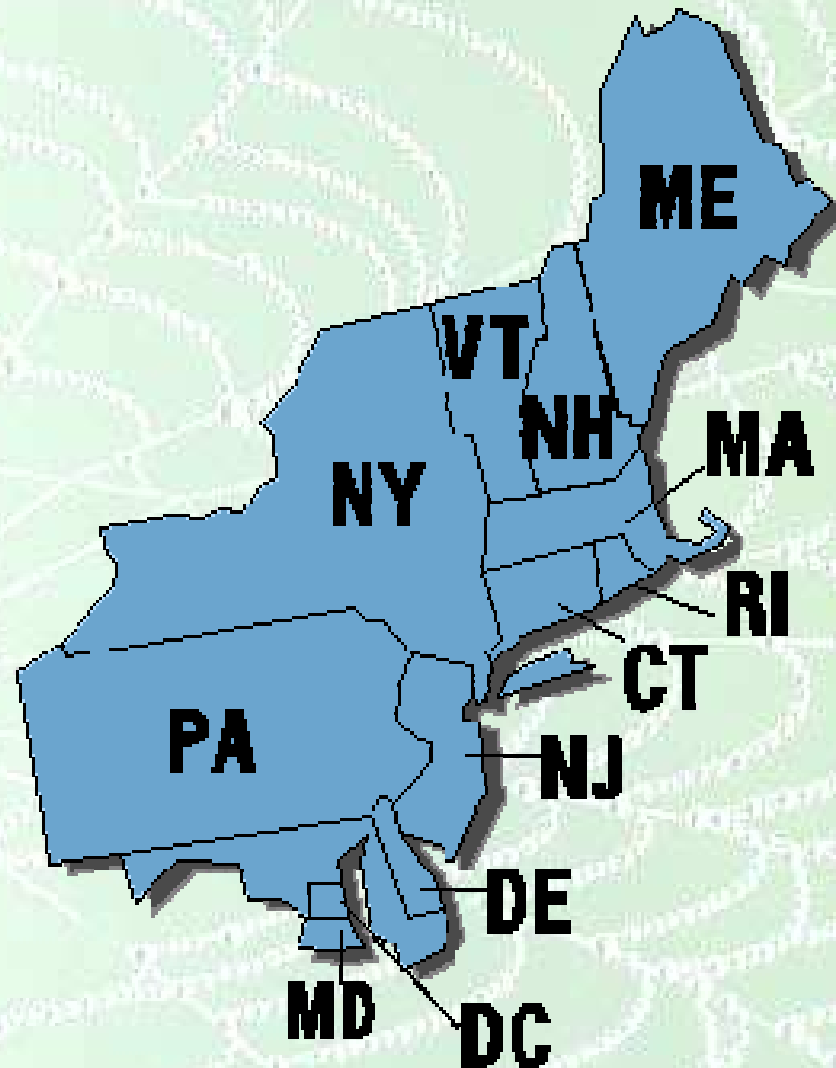
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**IEPEC, Paris 2010**

# Overview

- **Why is evaluation tangled?**
- **Measures of success that can guide us**
- **Rating the web**
- **Recommendations**

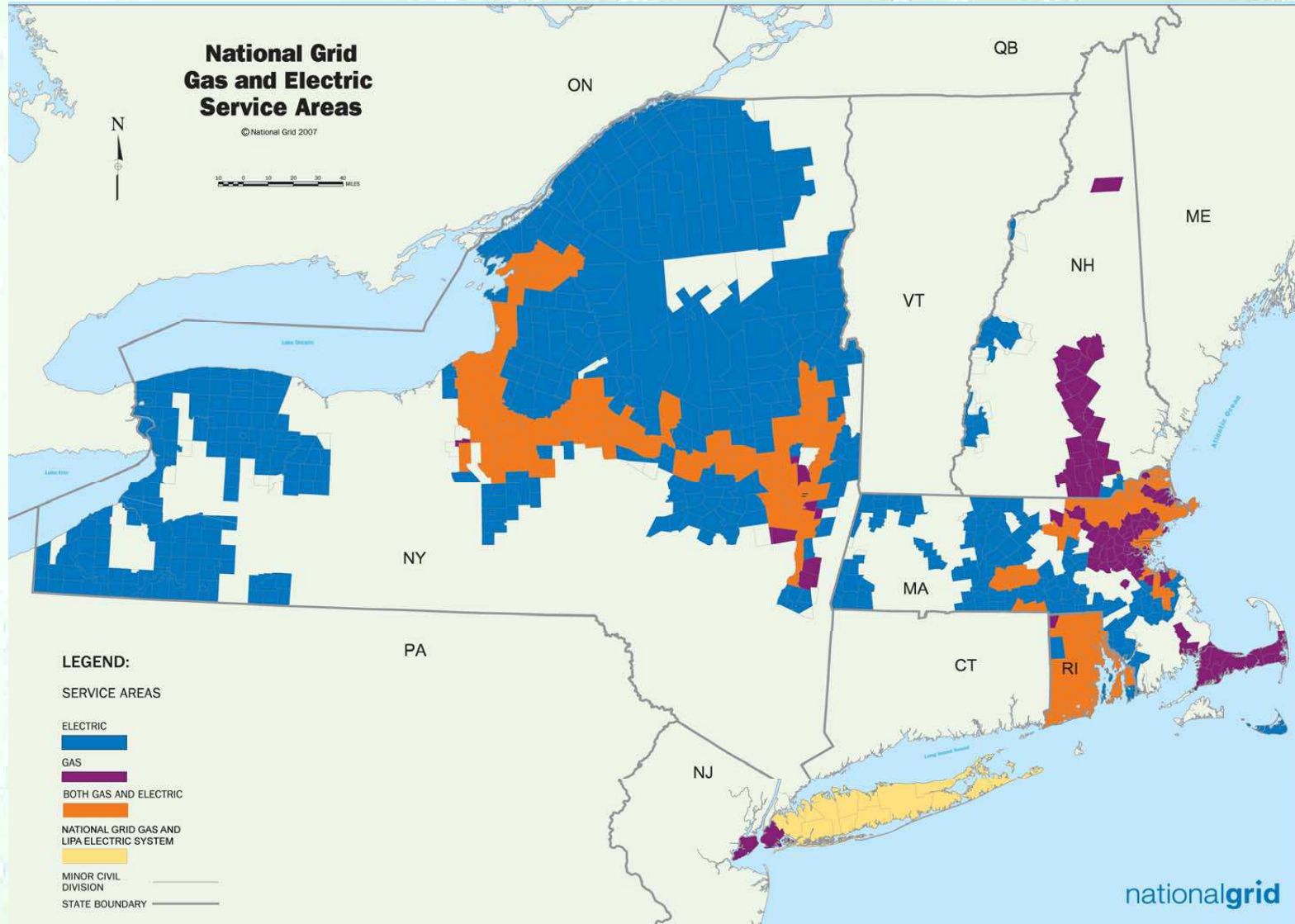
# The Northeast United States





# **Why is Evaluation Tangled?**

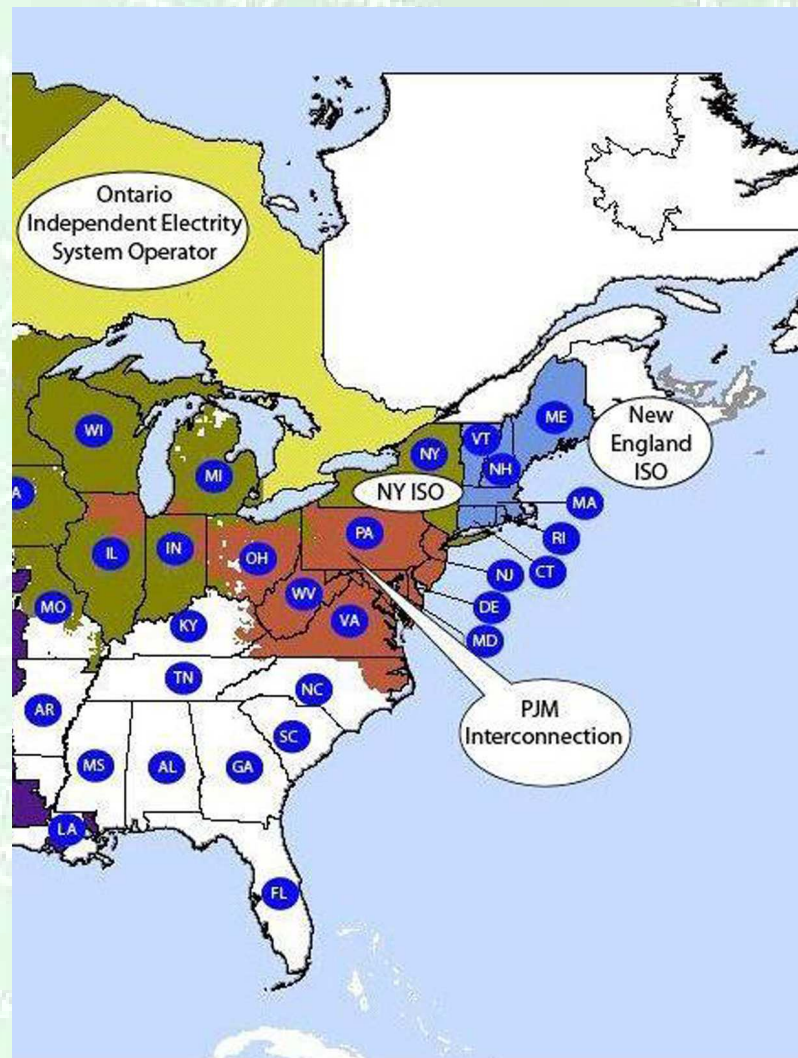
# National Grid Territories



# Program Administrators in Selected Northeastern States

State	Electric	Gas
Connecticut	2	2
Maine	1	1
Massachusetts	5	6
New Hampshire	4	2
New York	7	4
Rhode Island	2	1
Vermont	1	1
<b>TOTAL</b> 7 States	<b>22</b>	<b>17</b>

# Independent System Operators



Source: FERC

# Who Has Jurisdiction?

State	Who Manages Evaluation?	Who Oversees Evaluation?	Who Approves Evaluation?	Standards of Review
Connecticut	PA	Oversight Board	Oversight Board w/PA input	High level
Maine	PA	Regulator	Regulator	Varying level
Massachusetts	PA	Oversight Board	Regulator	Varying level
New Hampshire	PA	Regulator	Regulator	Reasonableness review
New York	PA	Regulator	Regulator	Too soon to tell
Rhode Island	PA	PA	PAs and Regulator	Reasonableness review
Vermont	Regulator	Regulator	Regulator and PA	Varying level



# The Eiffel Tower



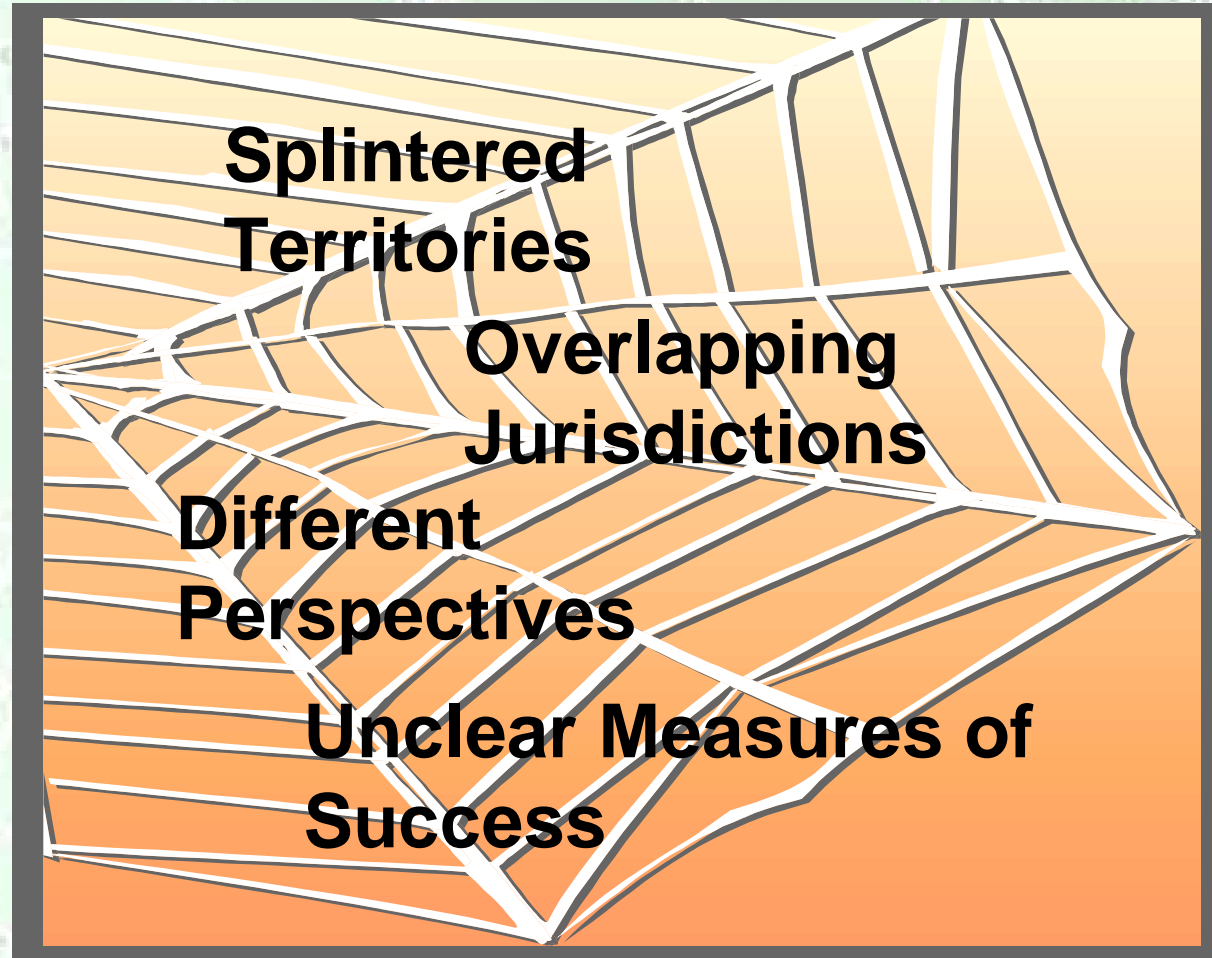
- One of the most recognizable structures in the world
- But how do we describe it?
  - Height?
  - Weight?
  - Visitors per year?
  - Visibility from top?
  - Structural design?
  - Place in popular culture?

# Perspectives



- **Another universal symbol**
- **But what are we measuring?**
  - kWh savings
  - kW savings
  - kW resource
  - Market effects
  - Carbon reduction
  - Economic redistribution
  - Economic benefits

# The Tangled Web of Evaluation



# Measures of Success in Evaluation

- **Statistical** -- confidence and precision
- **Societal** -- demonstrating achievement of a certain amount of energy savings or a certain amount of CO2 emissions reduced
- **Economic** – efficient use of evaluation resources
- **Regulatory** -- acceptance by regulators as satisfying their rules
- **Political** – acceptance by oversight bodies as satisfying political considerations such as independence and objectivity
- **Professional** -- contribution to high quality studies, providing feedback to program improvement, and the regard that others have for their expertise and judgment

# Rating the Emerging Web

- **Political** – Satisfactory in design, but reality of resource constraints have not yet been felt on priorities and timetables
- **Societal** – Too soon to tell
- **Statistical** – 90/10 seems not to be affected, but yet to be reconciled with ISO 80/10 standard in results
- **Regulatory** – Seems to be solid, unless there is concern about cost control; also, acceptance of NEEP EM&V Forum studies is unclear
- **Economic** – Lacks any focus on achieving economies in evaluation efforts
- **Professional** – More work, fewer resources, and less regard for opinions of staff who have been running evaluation studies

# Recommendations

- **Untangle the web and support the continued advancement of energy efficiency through evaluation**
  - **Establish consistency on what we want to measure**
  - **Accept values that are adjusted for probability, if certainty is not possible**
  - **Strive for economies in evaluation practices**
  - **Coordinate decision making between overlapping jurisdictions**



***FIN...***

***....merci***