



Demand Response Enables Energy Efficiency

NYS DPS Energy Efficiency Portfolio Standard Proceeding

Overview Forum

July 19-20, 2007

Agenda

- ➔ ● Demand Response?
- How Should it be Done?
- Total Energy Management™
- EnerNOC Overview

Demand Response: Forms

Demand response actions come in two basic forms.

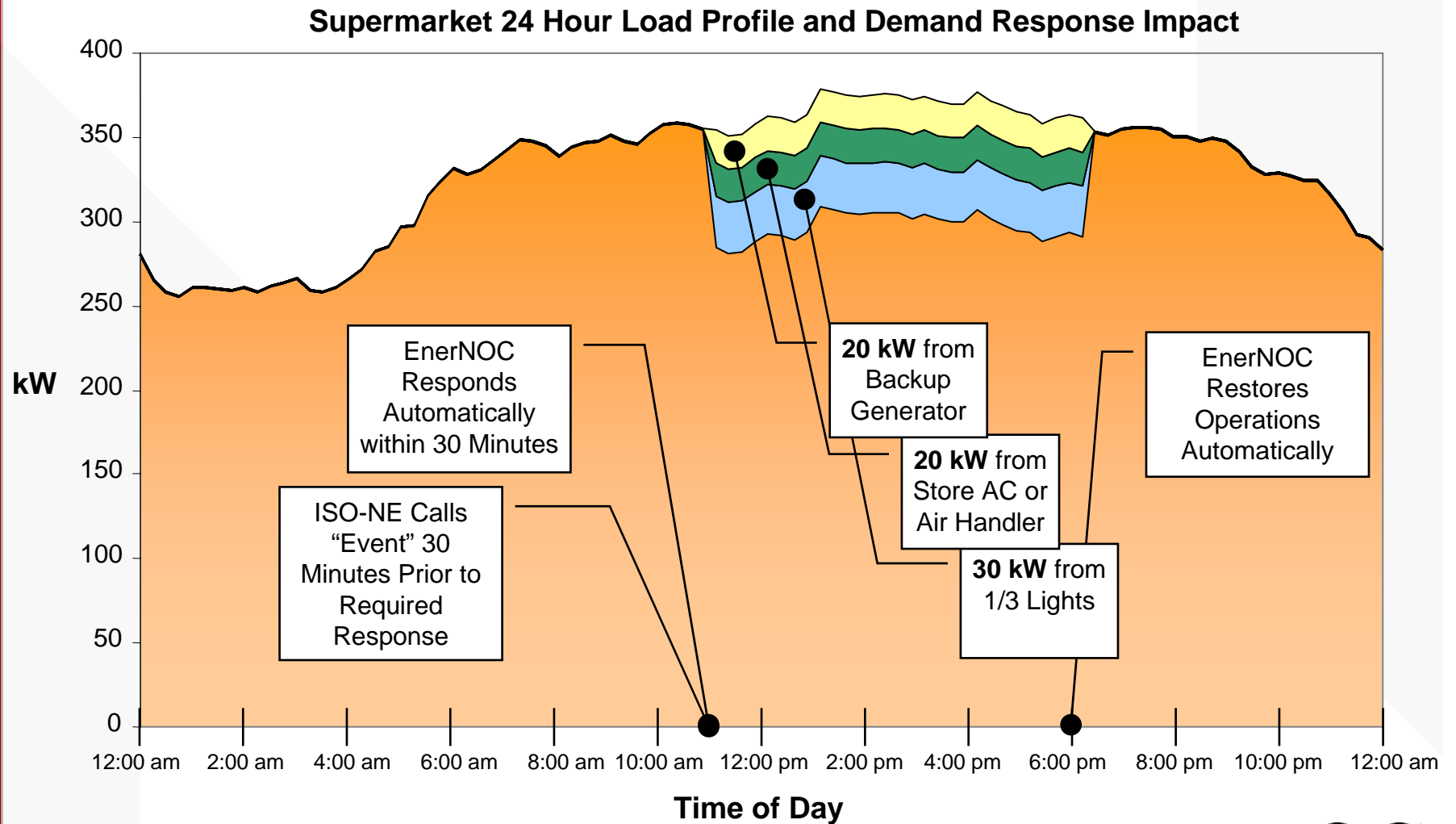


Self Generation – This can include emergency/backup generation, peaking and continuous-duty distributed generation, or even UPS systems.



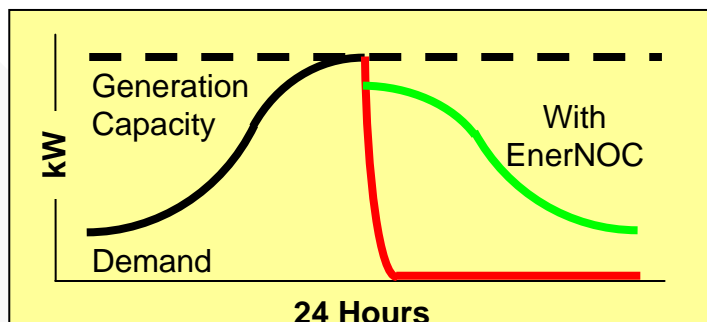
Curtailment – Turning off lights, turning up cooling set-points, turning off air handlers, shifting production schedules, escalators, elevators, water features, parking lights, signage, heating elements, etc.

Demand Response: Functions

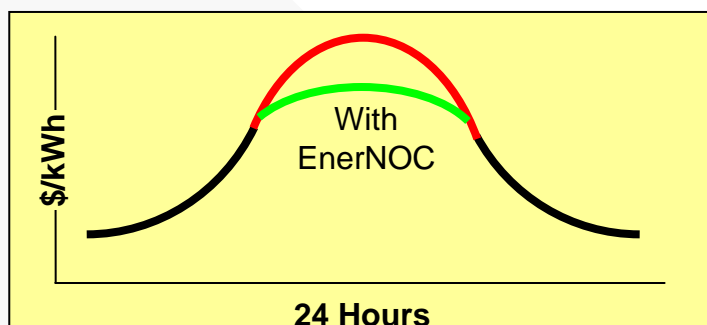


Demand Response: Types

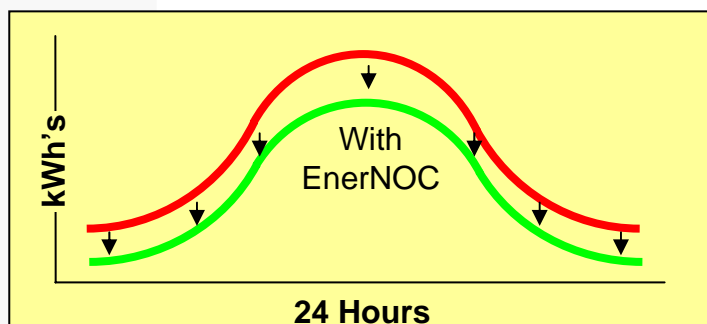
Demand response is achieved when end-users reduce their demand for electricity from the grid in response to market signals.



Reliability/Security – DR can be brought to market more quickly and precisely than comparable generation or T&D, giving grid operators resources needed to better manage reliability NOW while paying end-users to tap into existing resources.

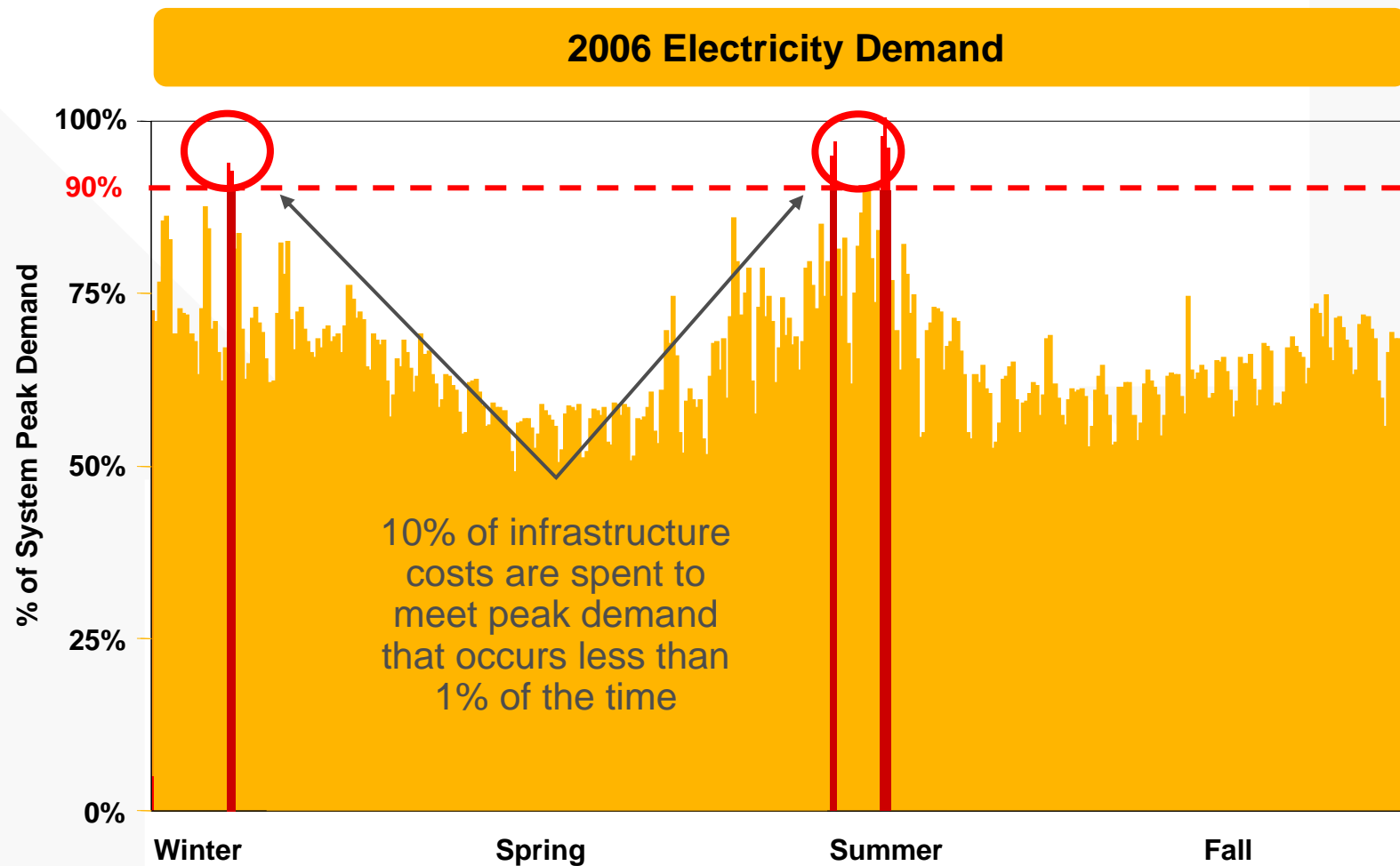


Price – DR can dramatically reduce pricing power of well-positioned generators and provides incentives to end-users to become active participants in energy markets – active participation keeps markets healthy and prices low.



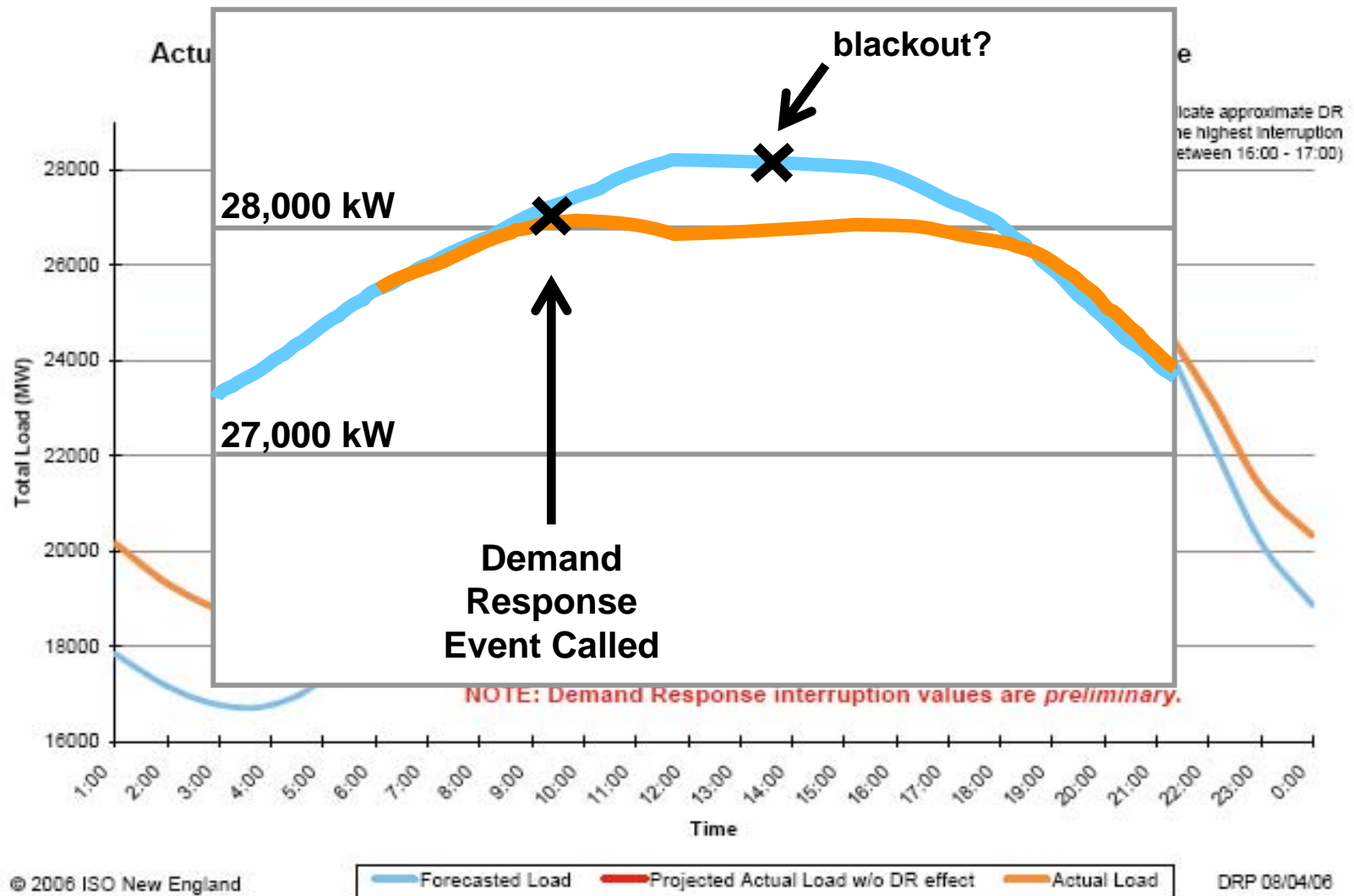
Efficiency – Demand response enables energy efficiency. Increased end user market participation puts energy back on the business planner's map and, when properly deployed, can save end-users 25% or more on energy bills.

The Opportunity

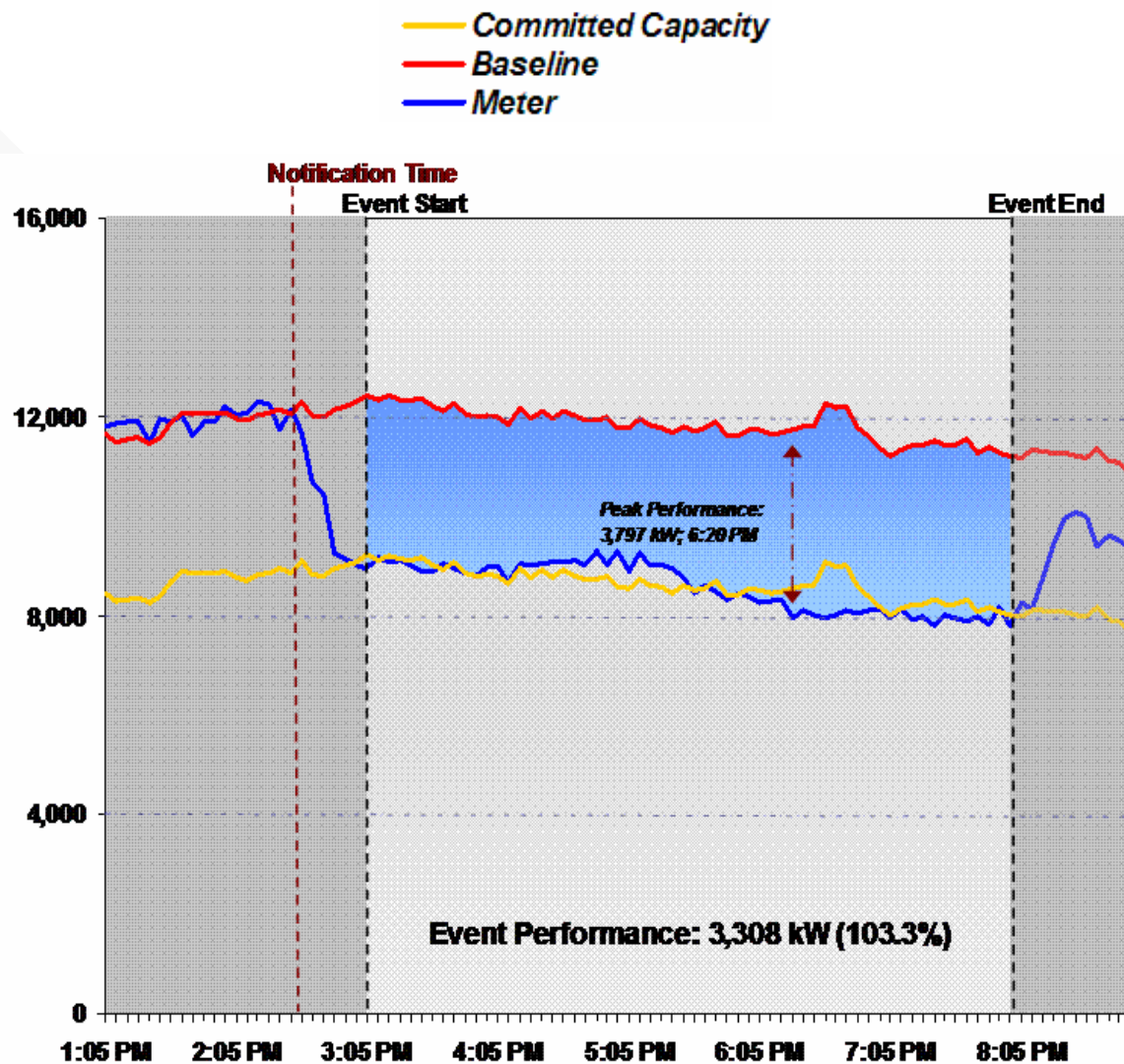


Benefits of Demand Response

ISO New England Demand Response Event Performance - August 2, 2006



July 19 – First TVA Trial DR Program Activation

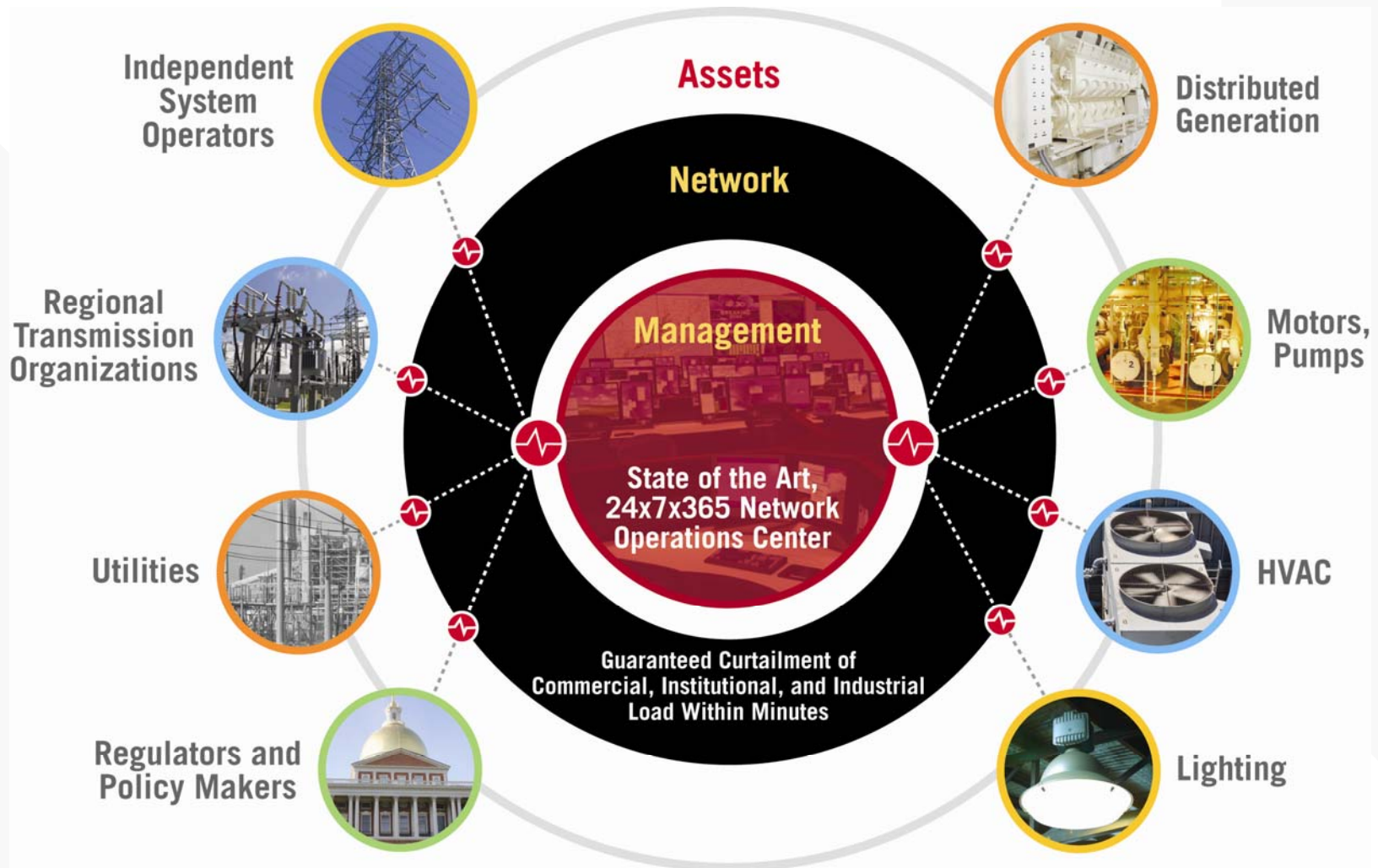


- 103% Performance
- All providers notified within 5 minutes
- 100% providers confirmed within 15 minutes

Agenda

- ◉ Demand Response?
- ◉ **How Should it be Done?**
- ◉ Total Energy Management™
- ◉ EnerNOC Overview

EnerNOC = Energy Network Operations Center



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Network Operations Center

Our Network Operations Center (NOC) features fully automated demand response capabilities to ensure that curtailment happens quickly and efficiently for both the utility and the customer.



- The NOC automatically initiates customized demand response protocols at customers' sites, so that **load reductions can occur within seconds** after an event is called.
- During an event, the NOC **constantly communicates** with the utility to report customer meter data and continuously monitors customer performance.
- EnerNOC personnel **contact any troubled customer sites** to ensure maximized event performance.
- Upon event conclusion, the NOC notifies participating customers and **automatically restores normal operations** at customers' sites.
- Performance metrics are available immediately

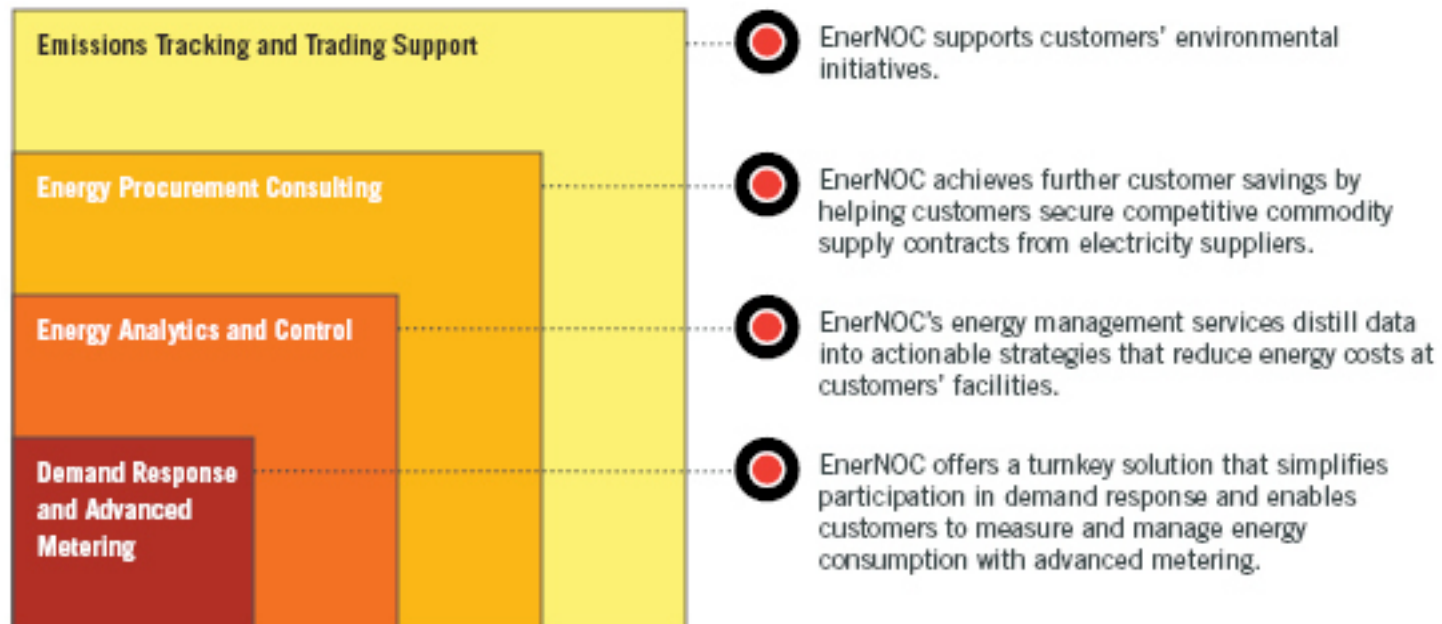
Agenda

- ◉ What is Demand Response?
- ◉ How Should it be Done?
- ◉ **Total Energy Management™**
- ◉ EnerNOC Overview

Total Energy Management™

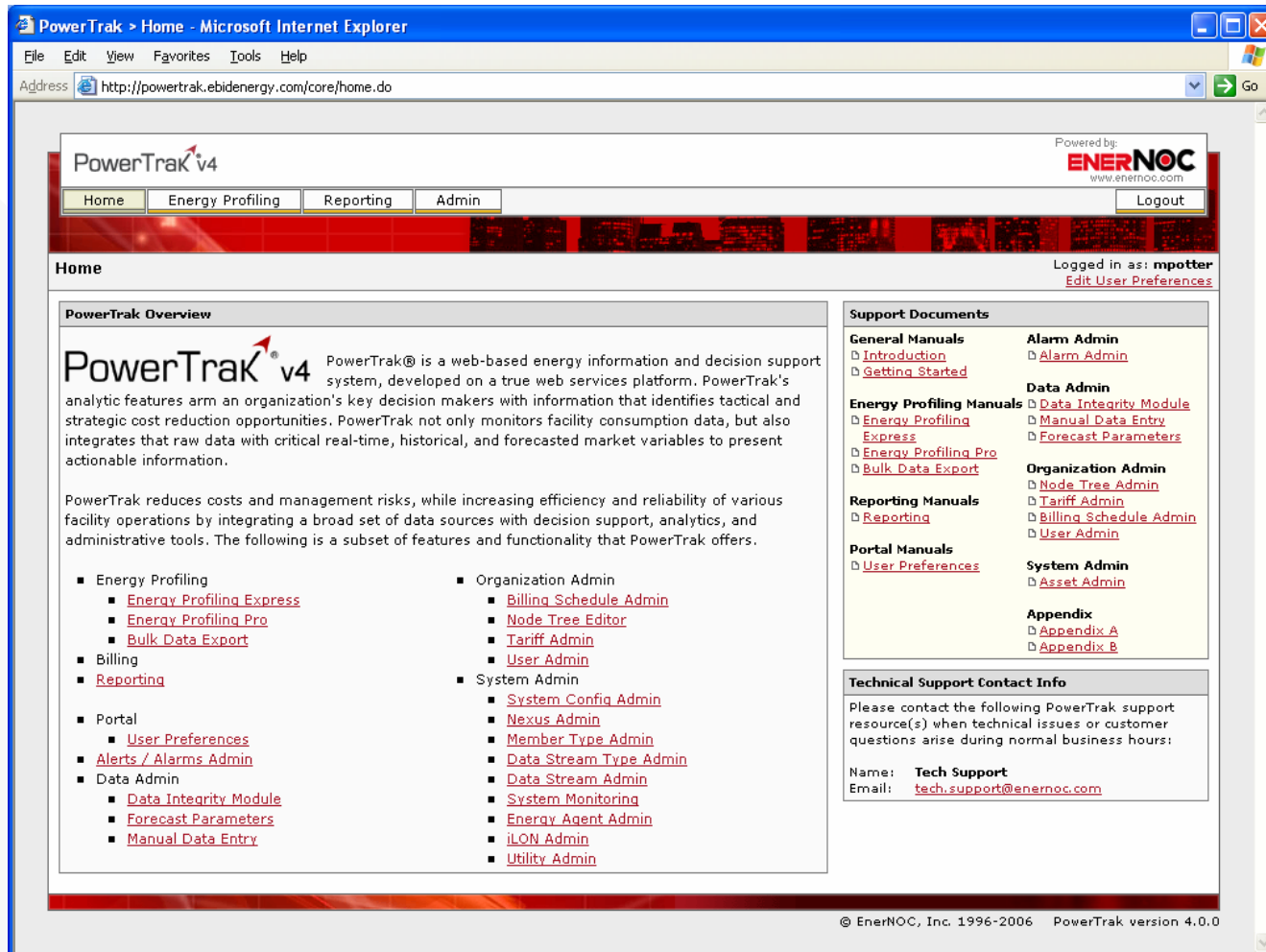
Demand Response is the “cornerstone” of energy management. Energy management starts with advanced, real-time measurement of energy. Demand Response revenues pay for the infrastructure to acquire and manage the usage data.

You Can't Manage What You Don't Measure!



Total Energy Management™

PowerTrak®, EnerNOC's powerful real-time energy reporting, analytics, forecasting, alarming, and billing software is included as an ancillary benefit to customers.



Agenda

- ◉ Demand Response?
- ◉ How Should it be Done?
- ◉ Total Energy Management™
- ◉ **EnerNOC Overview**



How is Demand Response green?

- “The **Greenest** kilowatt-hour is the one **never used**™”
- “The **Greenest** power plant is the one **never built**™”

What makes EnerNOC a green company?

EnerNOC is dedicated to restoring a **clean, sustainable environment** for future generations through efficient energy management and demand response.



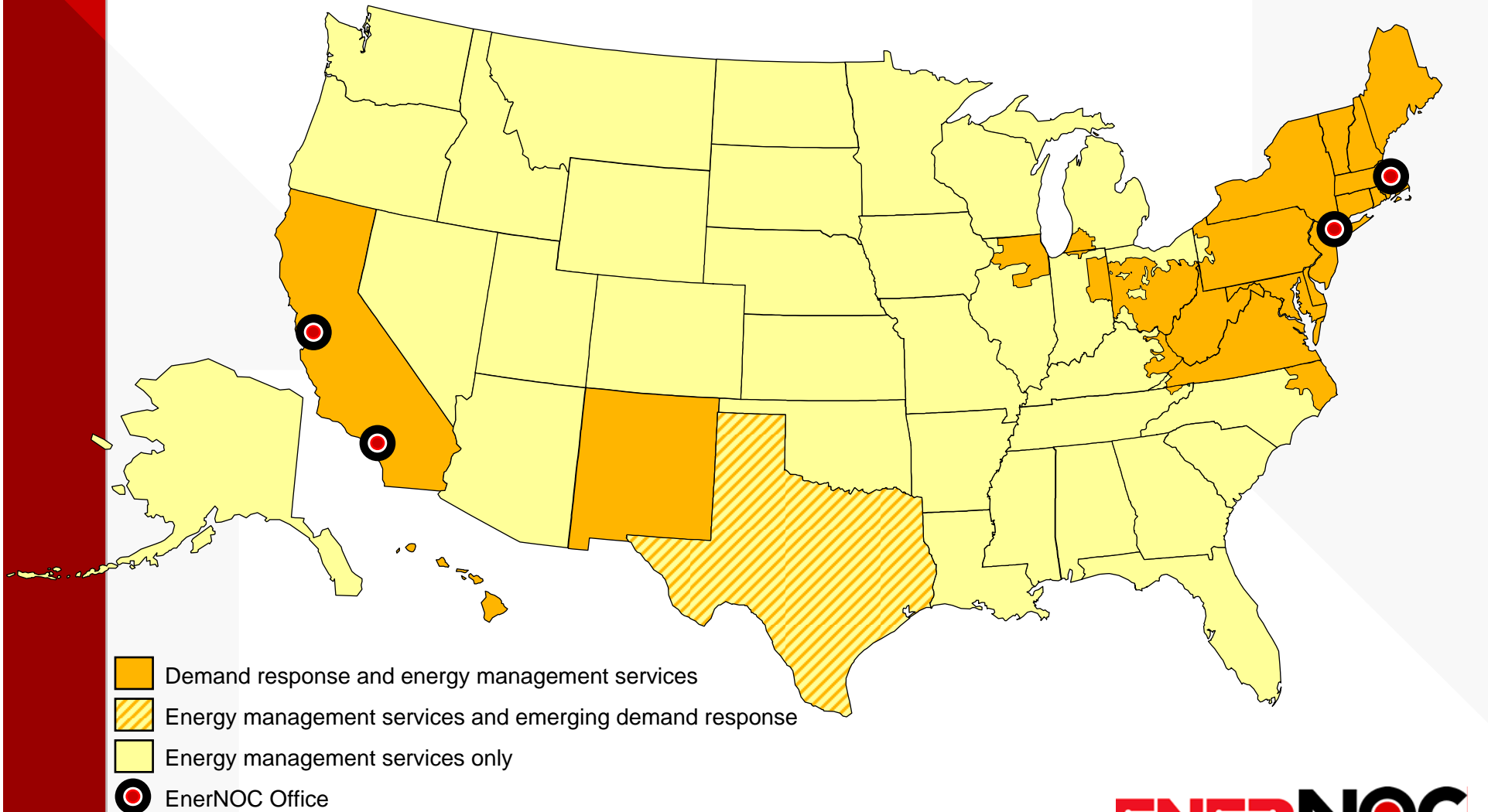
- First energy management company to purchase **Green-e® certified wind, solar, and other renewable energy credits** to offset 100% of carbon dioxide emissions generated by EnerNOC's office space, employee commuting, and business travel and the operation of customer back-up generators during demand response events.
- All EnerNOC employees benefit from Hybrid Car Incentives and Home Energy Efficiency subsidies.
- EnerNOC is moving forward with renewable energy projects (solar and fuel cell power).

EnerNOC: Overview

- ◉ ***Proven and growing track record***
 - ***Over 650 MW dispatchable DR***
 - ***Over 500 end-user clients***
 - ***Over 1,400 customer sites***
- ◉ ***Compelling offering – total solutions provider***
- ◉ ***Certified provider in every attractive market***
- ◉ ***Distinguished technology – auto DR***
- ◉ ***Green: a carbon neutral company***
- ◉ ***NASDAQ IPO of ENOC May 18, 2007***

EnerNOC and Demand Response

EnerNOC provides services in every open DR market and is continuously developing new markets by leveraging our success and track record from existing markets.



EnerNOC Examples and Experience

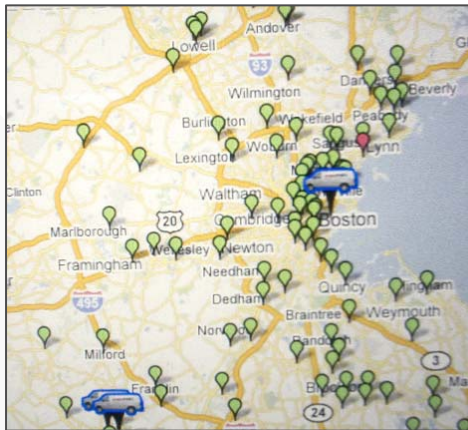
EnerNOC has secured marquee customers in its demand response program territories.

Commercial Office and High Tech	           
Education	          
Food Sales and Storage	         
Government	         
Healthcare	       
Light Industrial	         
Lodging and Resorts	       

EnerNOC, Inc.
75 Federal St. Suite 300
Boston, MA 02110
617-224-9900 – Phone
617-224-9910 – Fax

EnerNOC, Inc.
24 West 40th St., 16th Floor
New York, NY 10018
212-624-0000 – Phone
212-523-0332 – Fax

EnerNOC, Inc.
45 Fremont St. Suite 1400
San Francisco, CA 94105
415-278-8413 – Phone
415-278-8444 – Fax



Energy Network Operations Center

ENERNOC