



Enel Demand Response in New England

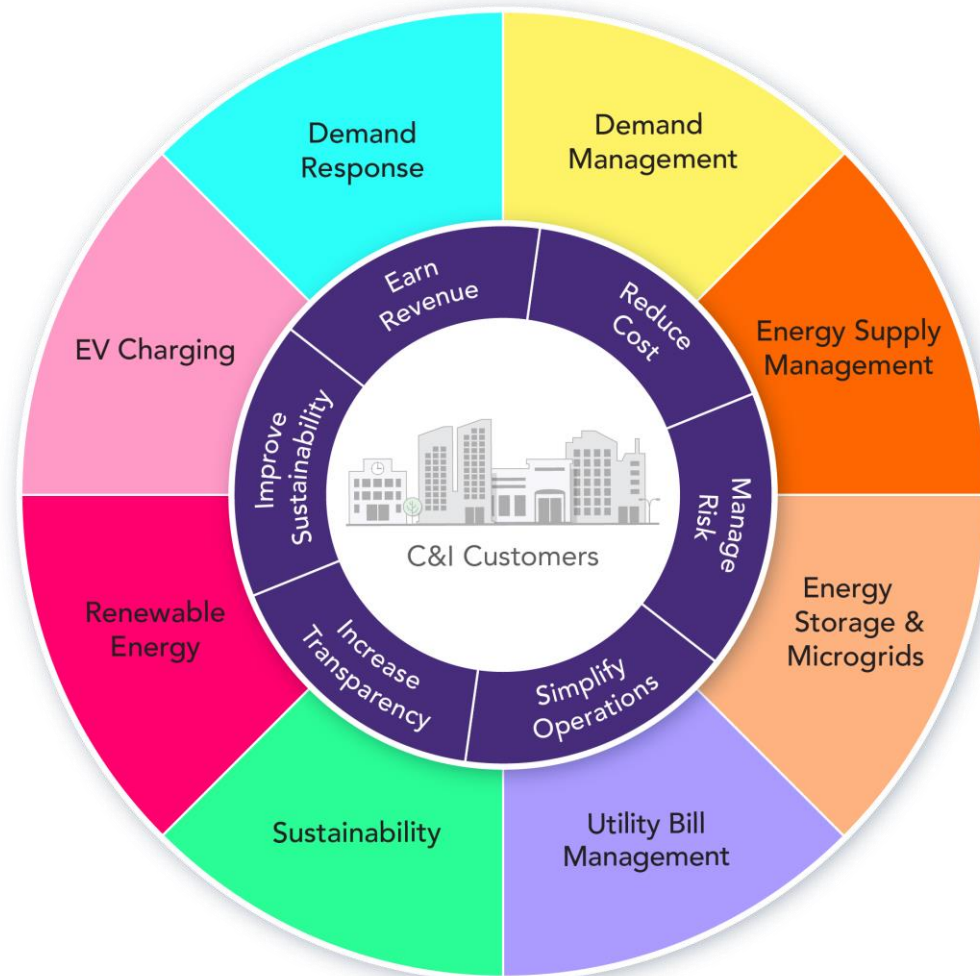


Ryan Doherty, New England Business Development Manager



Nick Guay, New England Regional Account Manager

Enel X Focus in North America



Demand Response – access to market opportunities to monetize flexibility (capacity, energy, and ancillary services)

Demand Management – tools to mitigate system and facility-level demand charges

Energy Supply Management – retail energy products and procurement advisory services (transactional and strategic)

Energy Storage & Microgrids – thermal and battery energy storage solutions

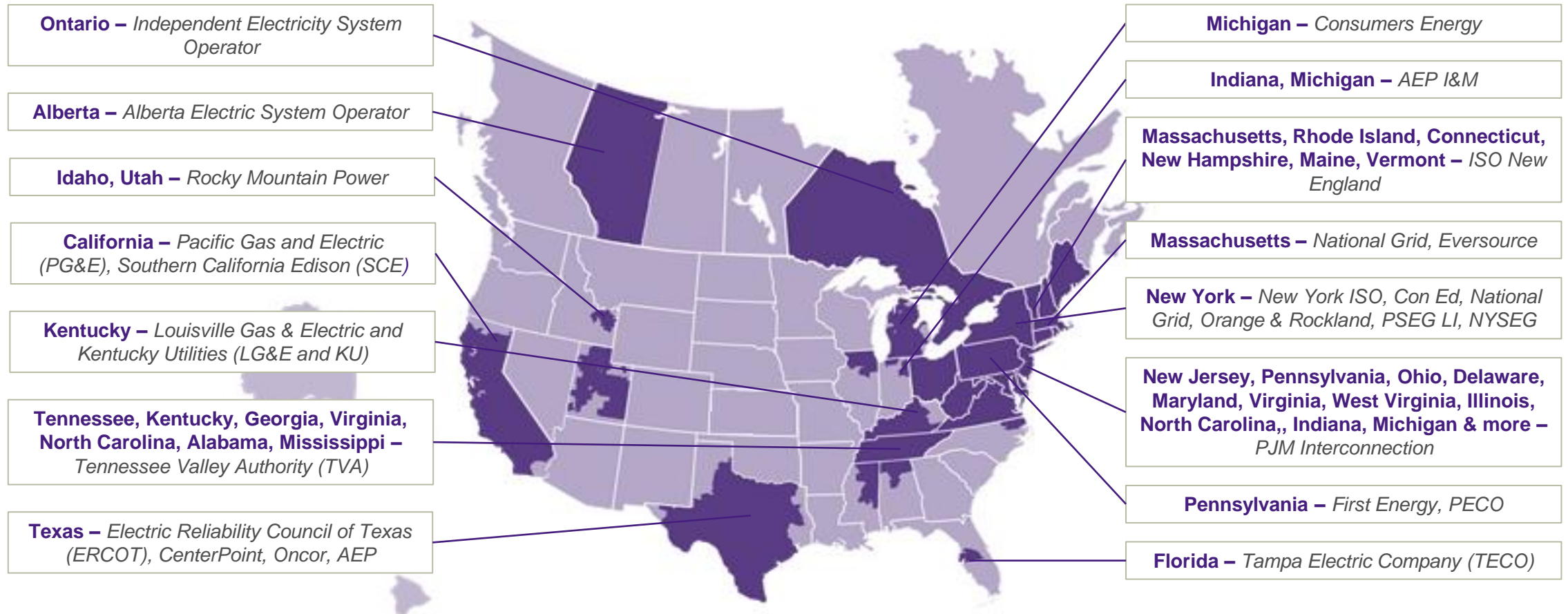
Utility Bill Management – bill collection, bill verification, payment, budgeting, reporting

Sustainability – program development, implementation, reporting

Renewable Energy - program development and execution of on-site renewable generation or off-site renewable procurement

EV Charging – smart charging for electric vehicles

Enel X DR Footprint in North America



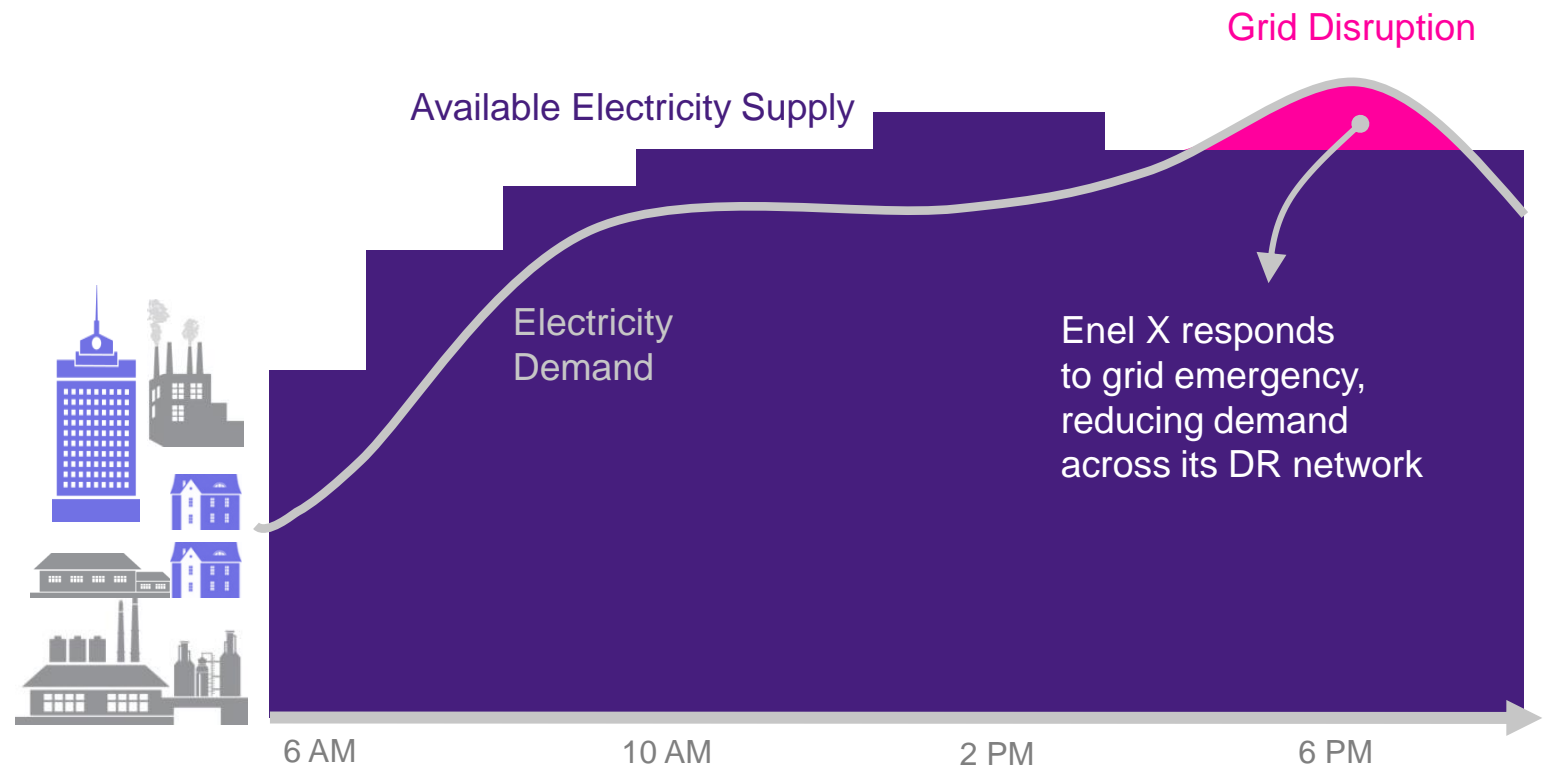
What is Demand Response (DR)?

Demand response programs pay companies to reduce energy use in response to emergencies that threaten grid stability



Balancing supply and demand on the electricity grid is difficult and expensive

- Curtailing usage during grid emergencies is a **cost-effective alternative** to building more power plants
- Grid emergencies can be due to extreme weather, wholesale price spikes, or unexpected system issues



Benefits of Demand Response



**Earn
Payments**



**Improve
Operational
Reliability**



**Strengthen
the Grid**

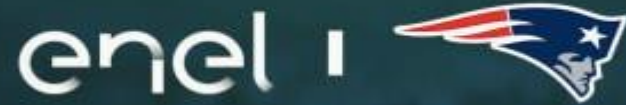


**Increase
Sustainability**

Enel X & The New England Patriots



Official Energy Partner of Gillette Stadium



Official Energy Partner of
The New England Patriots



Enel X New England Demand Response Programs

Customers can layer DR Programs to maximize value with Enel X




	ISO-NE 30 Minute Demand Response	Eversource Utility Demand Response	ISO-NE ICAP Management
Program Period & Hours	Jun 1 - May 31; 24x7x365 Summer: Jun - Nov, Apr - May Winter: Dec - Mar	Summer: June – September; 2PM – 7PM	Summer: May – September; 12 - 7PM
Dispatch Notification	30 minutes	Day-ahead	Day-ahead
Response Duration	Audits: 1.5 – Hours Emergency Events: 1-4 hours	Summer: 3 hours	Less than 4 hours, on average
Expected Dispatches	1-2 annually, on average	Summer: 2 – 8 dispatches	5-10 dispatches per Summer, full overlap with National Grid & National Grid calls
Testing Requirement	1 per season, if no dispatches	None	None
Payments	Paid on average kW delivery during summer program season	Paid on average kW delivery during summer program season	Customer realizes on-bill savings during the following delivery year for reductions in Capacity Tag (no shared savings with Enel X)
Costs and Penalties	No costs to participate or penalties – payments & bill savings are based on average performance delivered during the season & reduction during the ISO-NE ICAP hour		

Enel & Mattabassett District Partnership



 20 Demand Response Events Since 2020

 1 ISO-NE Emergency Event (7/23/22)

 101% Average Performance During All Events

 71,000 kWh of Curtailment

 Enough Curtailment to Power 2,450 Homes for 24 hours

How to Enroll in Demand Response



- Connect with Enel today! (Nick or Ryan)
- Analyze utility data
- Review generator age/size/permitting requirements (if applicable)
- Review the financial and operational benefits of participation
- Next program season begins on June 1, 2023

