

Active Demand Response

Reduce kW Demand

Earn Money



Liberty®



Active Demand Response is available for Liberty's business and municipal electric customers.

Receive incentives for decreasing energy use at the right times

Optimizing energy use is not just about how much you use, but when you use it. Liberty is committed to reducing peak electric demand on our New England electric grid system, and we need your help. Please join our Active Demand Response (ADR) program. By reducing electric use on request during periods of high energy demand (referred to as "peak events") we can reduce emissions, infrastructure costs, and utility prices. We will notify you via your Curtailment Service Provider (CSP) to lower energy use at these critical times – earning you incentives. Incentives are paid based on your annual average performance over the summer.

Active Demand Response Information

Load Curtailment

- A technology agnostic program intended for commercial, industrial, and municipal customers to reduce their building system loads during peak demand events
- Generators may be used in the program however they must comply with all federal, state, and local laws and permitting requirements for demand response (your CSP may assist)

Targeted Dispatch

- Peak demand events can occur from June 1st – Sept 30th
- No more than 8 events during that time frame
- Events last 3 hours, begin and end on the hour, and usually occur from 2pm – 7pm
- Events happen at anytime (including weekends and holidays, which may earn added payments)
- Your CSP will be notified the day prior to an event

Incentives and Performance

- The incentive is \$25/avg kW reduced during the peak demand events from June–Sept (the incentive is paid by Liberty to your CSP. Based on your CSP contract your CSP pays a portion of the incentive to you)
- No penalty for using above the baseline during an event but a zero will be factored into your yearly avg.

Active Demand Response Incentive Example							
	Event 1	Event 2	Event 3	Event 4	Avg. Reduction	Incentive	Total Incentive
Baseline (kW)*	450	450	450	450			
Actual Load (kW)	325	600	250	275			
kW Reduction	125	0	200	175	125 kW	\$25/kW	\$3,125

* Baseline (kW) is similar to ISO-NE's 10-of-10 model

ADR is funded by Liberty customers and is operated according to state laws and under the regulations of the NH PUC. Restrictions apply. Program is subject to the availability of funds and may be canceled without notice.

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Frequently Asked Questions

What type of customer would benefit?

- If you use over 100,000 kWh per month and/or have a monthly peak of 500 kW
- If you have a Curtailment Service Provider (CSP), are participating in curtailment programs or can curtail a portion of your load
- You fall into any of the following categories: industrial, manufacturing, universities, large commercial, or municipal buildings

What is an ICAP and roughly how much does my company pay per kW annually?

Any customer with an interval meter is assigned an Installed Capacity Tag (ICAP) based on its demand during the ISO-NE annual system peak hour. This is called the customer's coincident demand measured in kW and the charges are applied monthly during the next calendar year. Your CSP can help calculate savings.

Will participating in this program help with lowering my company's monthly demand charge paid to Liberty?

Maybe. If your Liberty monthly peak coincided with Active Demand Response program called event, depending on the hours, you may or may not lower your monthly Liberty demand charge. You may save money on the Supply portion of your electric expense by reducing your "Capacity Tag".

Are there any risks involved?

The incentives Liberty pays are based on your performance on Peak Energy Events. Liberty will not charge you a penalty if you cannot perform during a Peak Energy Event. However, the incentive Liberty pays will be less.

How is the baseline determined?

To calculate a customer's performance during a demand response event, it is necessary to calculate what a customer's typical power use is in order to estimate what the power use would have been if no demand response event was called. ISO-NE uses a similar last 10-of-10 model in their active demand response programs. This method looks at the customer's last 10 similar days. Similar days are of the same day type (weekday or weekend) that are not holidays and where no other DR event from either ISO-NE or the program administrators was called. Days where a customer has a scheduled shutdown are not considered similar days. For shutdown days to be excluded from the baseline calculations, customer's or their CSP must inform their program administrator of the shutdown with a week's notice. There is a limit of 10 shutdown days per season.

Contact Information

General Information

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CSP Information

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