



PEAK DEMAND
NOTIFICATION

**PATRIOT
360** | Achieving synergy
through strategy & innovation

A product add-on that allows you to
manage your energy usage

Procurement & efficiency // working together to produce
an effect greater than the sum of their individual effects.



How it Works.

Peak Demand Notifications allow our clients to save more during high demand/high cost periods.

What is Peak Demand? {When the grid's load is highest}

Peak demand occurs when the electricity grid's load is at its highest, traditionally during heat waves and cold snaps. Although these extreme weather periods are short lived, during this time prices are often high and it can make up a significant portion of a commercial and industrial customers' total electricity bill. Fortunately, this cost can be managed.

When do I receive a notification? {Before a peak demand event occurs}

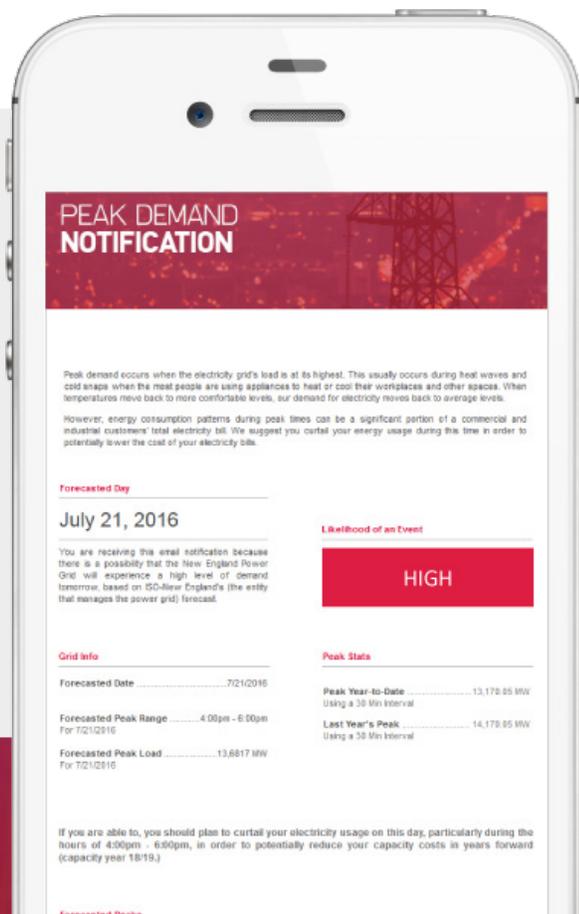
Our experts analyze grid and weather information in order to predict the specific days and hours when demand will be higher than normal. With this information, our clients are sent a day-ahead notification before an event occurs, as well as a confirmation notification the day of an event allowing recipients the opportunity to participate in curtailing their usage during peak demand events.

How do I curtail my energy? {By using less energy}

Peak Demand Notifications will give you a specific timeframe during the day when the grid's load will be at peak demand and electricity prices will be highest. If you are able to, you should plan to curtail your electricity usage on this day, particularly during in the suggested timeframe. You can curtail your energy usage by adjusting your thermostat 3-4 degrees, turning off any machinery that you can, unplugging and/or turning off electronics that are not being used, and adjusting lighting to your actual needs. These are just a few examples on how to curtail your usage. More tips and suggestions can be found in your peak demand notification email.

How can I best take advantage of these notifications? {With a procurement strategy}

Our notification has been designed to enhance the variety of procurement strategies offered by Patriot Energy Group, but is also offered as a standalone solution for any energy consumer. The procurement strategies that we offer allows our clients to buy their energy for less. Our approach seeks to reduce or counteract the probability of exposure to high electricity costs due to commodity price fluctuations, while striving to secure the lowest cost of the commodity over time. It's not about the lowest price today — It's about the lowest price over time.



Our notifications are intended to provide you with the opportunity to adjust your load/electricity consumption during a peak event.

Notifications will include:

- ✓ The probability of an event
- ✓ Recommended curtailment period
- ✓ Forecasted peak load
- ✓ Historical peak information
- ✓ Recommendations to reduce your demand

Key Benefits.

How will relieving Peak Demand Notifications save me money on my monthly electric bill?



Volumetric Reduction

By using only the energy you need during high peak times, you'll in turn lower your overall energy consumption. This will save you more money on your monthly electric bill. Most facilities are able to use less electricity without it affecting their day-to-day business, and could actually be running their facility at an optimal performance without wasting energy.



Load Shaping

Load shaping can reduce bills by smoothing out the load of a client. Smoother loads in tighter bands are able to get better pricing from suppliers because they can allow for overall lower cost of energy by needing to purchase less energy in the most expensive hours. Smoother loads = less risk for suppliers = lower energy price for clients.



Peak Shaving

Peak shaving will reduce your electric bill by cutting the "peak" demand of daily energy loads. Every energy bill has components that are on a \$/kW-basis (as opposed to just volumetric \$/kWh-basis). By using only the energy you need during peak times, you'll "shave" by reducing energy load when demand is usually highest.



Capacity Avoidance

Lowering usage during peak times can also effectively help manage capacity costs. Capacity "tags" represent clients' electricity demand at grid wide peak usage times, and can represent as much as 30% of your electricity bill for the entire year. Curtailing load during peak events may have the additional benefit of reducing a business' capacity tag which, in turn, can have a significant impact in controlling costs.



Reduce T&D

Maintaining and using the transmission system to deliver electricity contributes to the cost of electricity. This cost is a major component of your monthly electricity bill. By shaving the kW load of clients during those peak hours, the \$/kW costs such as T&D can be reduced.

*This add-on works well when capacity charges are a "pass through" item in your electricity contract, and could potentially be a significant cost saving opportunity.

200K MONTHLY USAGE	CAPACITY	T & D	VOLUMETRIC
Reduction Amount	25%	25%	5%
Current		\$44,215.07	\$204,000.00
Using Peak Demand		\$34,910.44	\$193,800.00
Potential Savings			\$10,200.00
200K MONTHLY USAGE	CAPACITY	T & D	VOLUMETRIC
Reduction Amount	15%	15%	3%
Current		\$44,215.07	\$204,000.00
Using Peak Demand		\$34,910.44	\$197,880.00
Potential Savings		\$9,304.63	\$6,120.00

*Annual potential future savings

**Looking at 4 active notification months a year

General Disclaimer: This information is provided as a courtesy to our clients and/or potential clients and should not be construed as an offer to sell or as a solicitation of an offer to buy electricity or services. Reliance on this information for decisions is done so at the sole risk of the reader.



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