ENERTRAC DASHBOARD

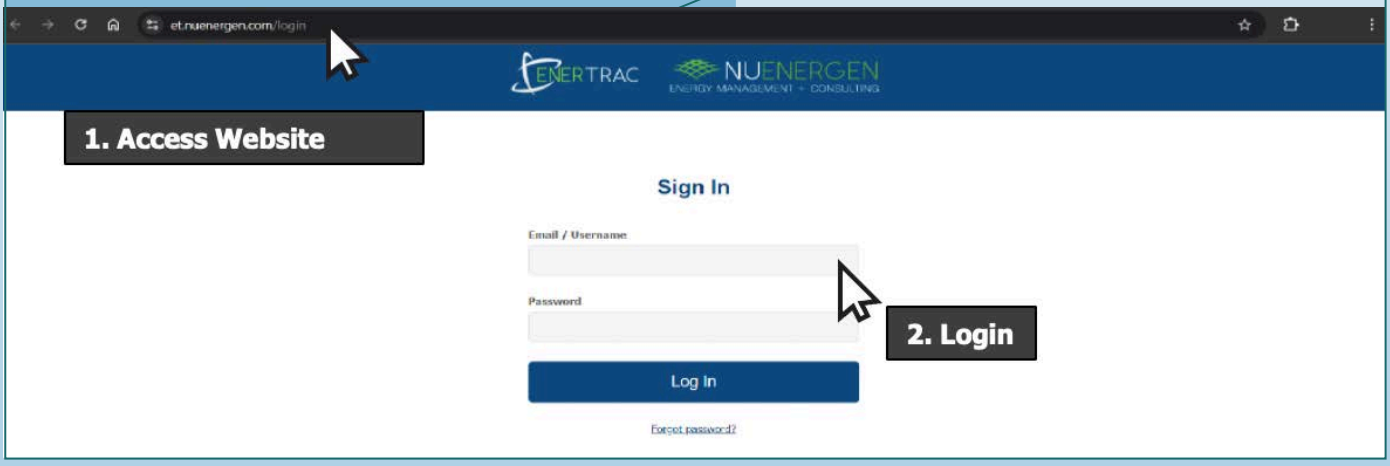
QUICK START GUIDE

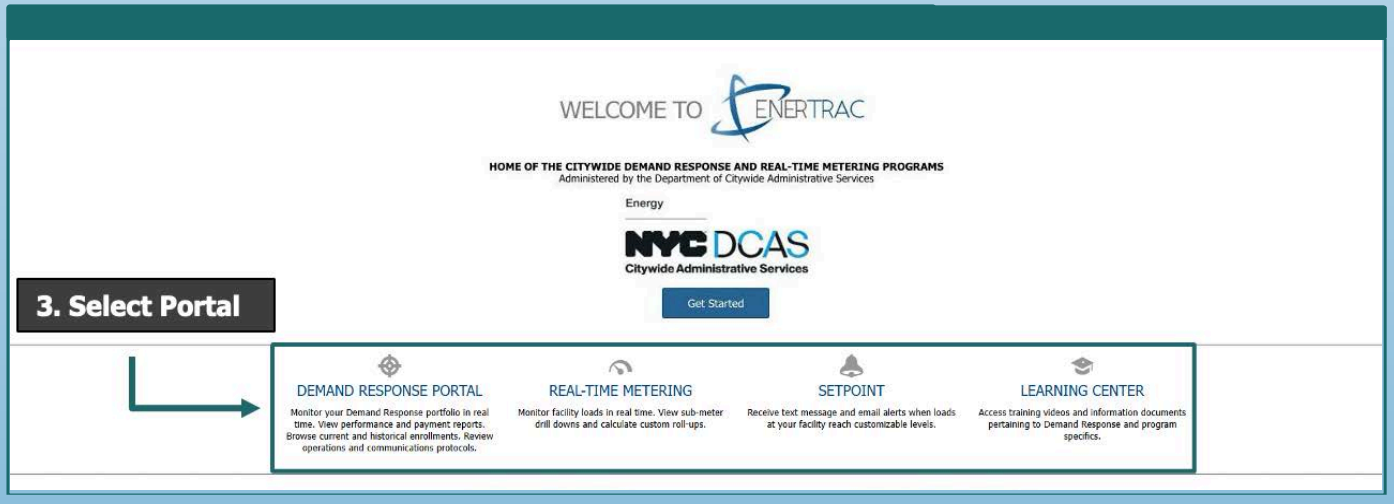
The EnerTrac (ET) online energy dashboard provides the end users with the ability to monitor a facility's (aka Resource) energy usage, working in conjunction with a Real-Time Metering (RTM) devices. If access is desired, then interested parties should send an e-mail request to DCAS, copying their respective agency energy liaison in the request.

LOGGING INTO ENERTAC

Access to the EnerTrac system begins with going to the NuEnergen website and entering your username and password:

et.nuenergen.com/login





DEMAND RESPONSE PORTAL

The Demand Response (DR) Portal is a software interface that is designed to provide end users with the relevant data concerning a facility's participation in a given program. This part of EnerTrac includes enrollment values, real-time data, seasonal load shed plans, performance history and payment records

DEMAND RESPONSE PORTAL

Monitor your Demand Response portfolio in real time. View performance and payment reports. Browse current and historical enrollments. Review operations and communications protocols.

REAL-TIME METERING

Monitor facility loads in real time. View sub-meter drill downs and calculate custom roll-ups.

SETPOINT

Receive text message and email alerts when loads at your facility reach customizable levels.

LEARNING CENTER

View training videos and informational documents related to Real-Time Metering, Demand Response, and EnerTrac.

The primary sections of the Portal for frequent use are the Enrollments, Resource Monitor and Portfolio Monitor pages detailed below. The first is designed to provide information about the programs a given site is enrolled in with their kW commitment. The user may also refine the dataset by choosing specific programs or season filters.

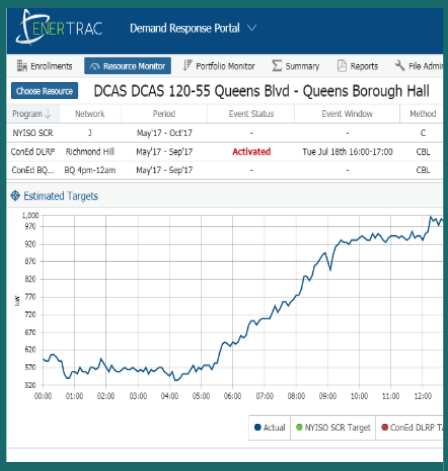
The Resource and Portfolio Monitors both work with Real-Time Meters (RTM) that are installed onsite. These tabs should be used during DR events to monitor live energy usage and event performance data for either a single site or several, respectively.

ENROLLMENTS

PROVIDES ACCESS TO:

- Enrollment details by program
- Resource load shed plans
- Current/previous performance
- Operating status of RTMs
- Information by program type

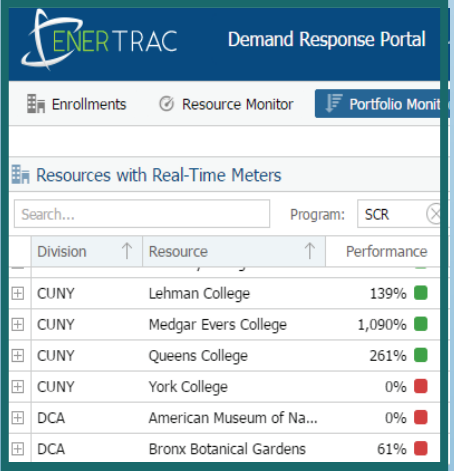
RESOURCE MONITOR



PERFORMANCE FOR SINGLE SITE

- Requires functioning RTM
- Usage data during DR events
- Render of load relative to target
- Detail for event in progress
- Shows multiple targets as needed

PORTFOLIO MONITOR



PERFORMANCE FOR PORTFOLIO

- Requires functioning RTMs
- Details for multiple sites
- Aggregate portfolio performance
- Sorting by resource performance
- Can view multiple facility charts

REAL-TIME METERING PORTAL

The Real-Time Metering Portal allows the end user the ability to analyze, review and export the data recorded by RTMs at the facility, irrespective of whether there is a Demand Response event in progress or not.

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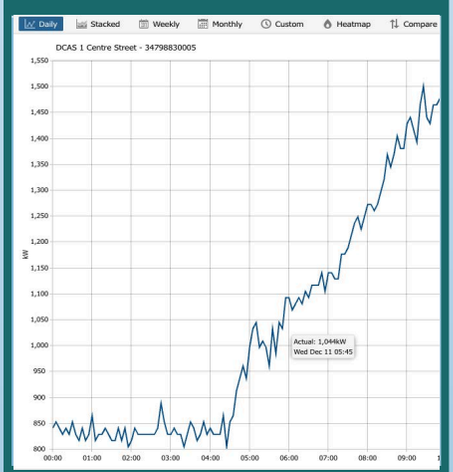
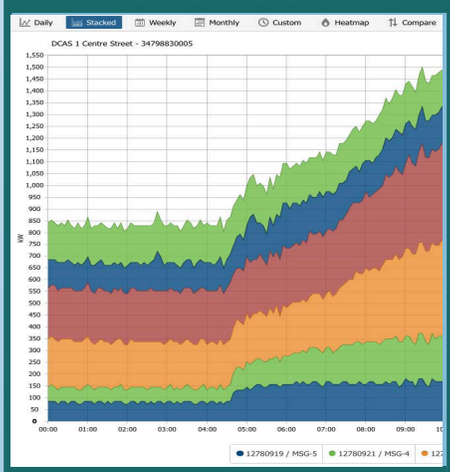
RTMs provide useful information for facility operators irrespective of whether the site is participating in Demand Response or not. The various features of the Real-Time Metering Portal allows the end user to understand the nature of energy usage at the site, and provides a wide range of options to view and export the data in question. Unlike the Demand Response Portal which only provides performance data at the account level during a DR event, this feature allows access to meter data below the account level, and also provides weather data and other comparative tools to provide insight into how and when a site uses its energy at any time.

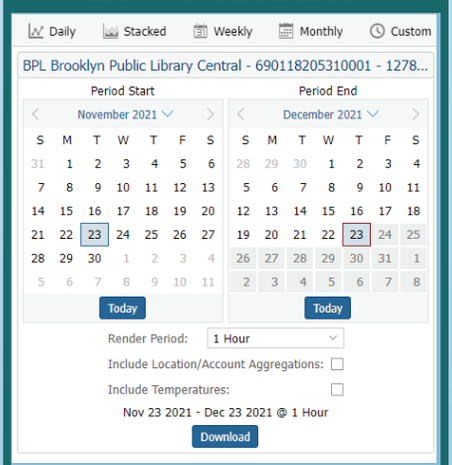
REAL-TIME DATA



MULTIPLE METERS



EXPORT CAPABILITY



MULTIPLE VIEW OPTIONS

- The portal can render data over multiple time increments, ranging from daily views of the readings to weekly and monthly.
- The RTMs typically report in every 5 minutes, which in turn allows the user to understand the operating charac-teristics of a given facility or pieces of equipment.

DATA GRANULARITY

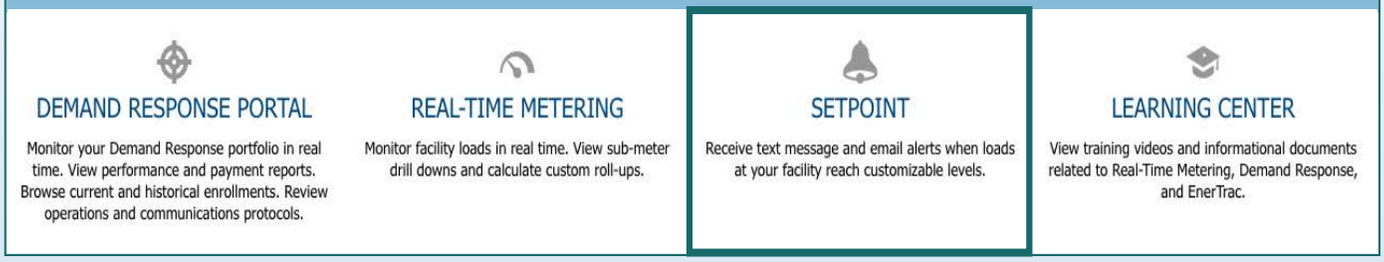
- Sometimes, a facility may have more than one utility meter recor-ding energy consumption. Another feature of the portal is to render usage by each individual submeter as part of a greater whole. This is useful for determi-ning which meters bear what percentages of load onsite.

HISTORICAL REVIEW

- The export functionality of the portal allows for the download of meter data at a single facility or multiple sites over a custom time range.
- The portal also allows the data to be downloaded on intervals ranging from 5 minutes to 24 hours, and can also detail the corresponding temperatures.

SETPOINT PORTAL

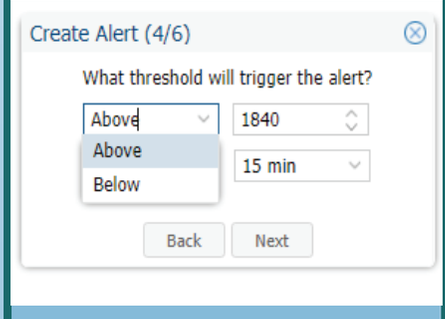
SetPoint is a feature of EnerTrac that allows users to set alerts as a reflection of energy consumption to better manage and optimize facility operations. These alerts are created by the end user and customized to suit facility needs.



Managing a facility effectively means keeping an eye on how and when the site uses energy, and also if that energy consumption is within expected parameters. By leveraging RTMs, the SetPoint Portal allows end users to proactively get ahead of issues in a building by sending alerts to the appropriate personnel. Outside of Demand Response, this is an important capability given the costs of energy in the New York City area. Running a site efficiently and aggressively monitoring when more energy is being consumed, and addressing it, can result in notable cost reductions.

SetPoint has several different alert types that can be established to accomplish different objectives, which are detailed below.

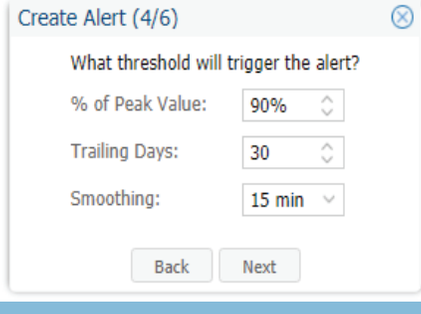
THRESHOLD



AVOIDING EXCESS USAGE

- A Threshold alert allows the end user to define a specific kW number that, if exceeded, will generate an alert that can be distributed to the necessary individuals via email, text, or both.
- This type of alert is especially useful to ensure that the facility is not using more energy than it should be, for example, on weekends or overnight.

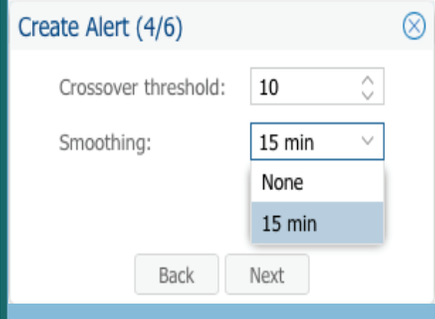
TRAILING PEAK



MINDING PEAK DEMAND

- This alert is designed for those who are interested in knowing when energy consumption goes above a certain percentage of peak load.
- It is useful for evaluating the impact of weather conditions and also examining unexpected energy spikes which may result in higher costs at the location unless managed.

CROSSOVER



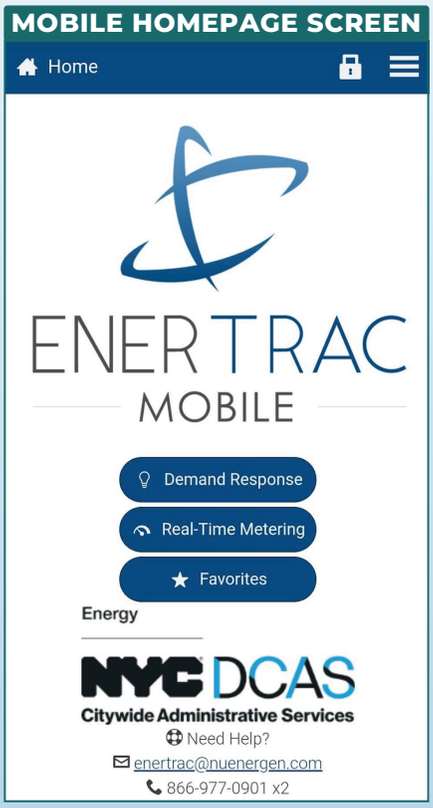
ABOVE AND BELOW

- The Crossover alert type is a slightly more comprehensive version of the Threshold alert.
- It allows the user to define a specific load value and to be alerted if the usage is either above or below that value for a given period.
- This type of alert is most useful in cases for which consumption is expected to be extremely consistent.

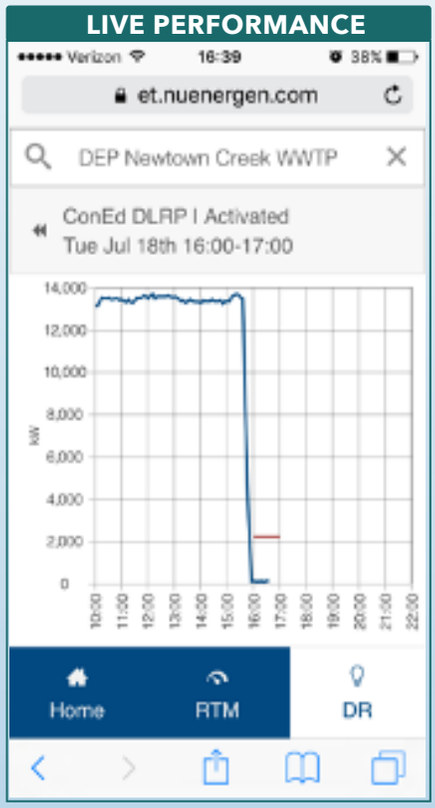
MOBILE ACCESSIBILITY

Certain EnerTrac features can also be viewed and accessed via your mobile device. This is particularly helpful during Demand Response events when personnel may not always have easy access to a computer.

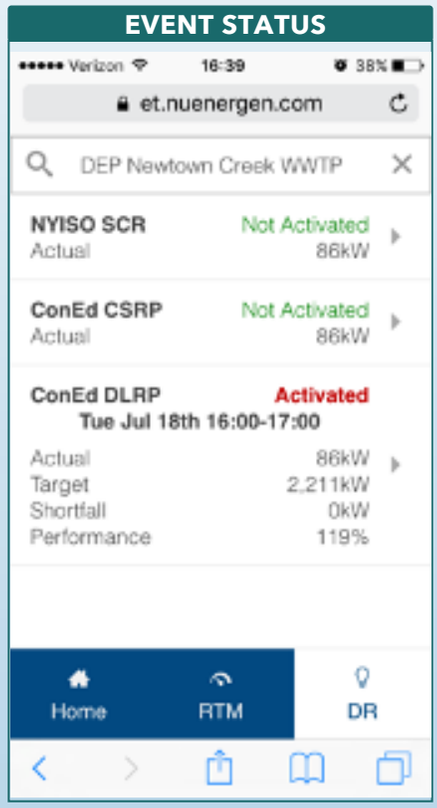
MOBILE HOMEPAGE SCREEN



LIVE PERFORMANCE



EVENT STATUS



Demand Response are pay-for-performance programs; the amount of revenue earned is directly correlated to the performance of a resource during load events. As such, it is very important to both know when events are happening and also monitor performance via RTM if applicable. EnerTrac's mobile app allows you to do both. Any user registered to the EnerTrac system can login via their mobile device if and when this is necessary.