

AEI Soft Start®

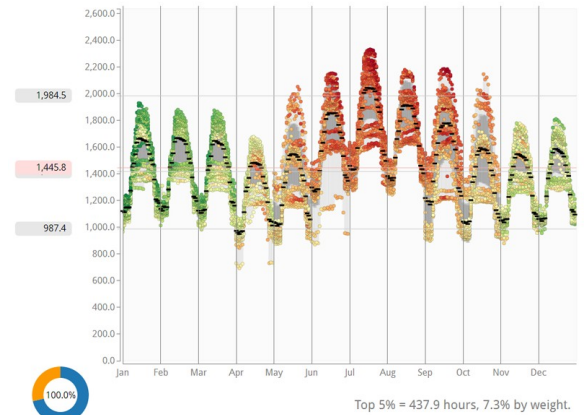
Don't have an energy management system at your facility? Not a problem, you can still get started and have basic building energy intelligence within the next 7 days.

With your signature on a utility data release form, AEI Soft Start delivers immediate insight into your building's current energy usage just by looking at the interval data captured by your utility providers. There's a surprising amount of information from just that single stream of data:

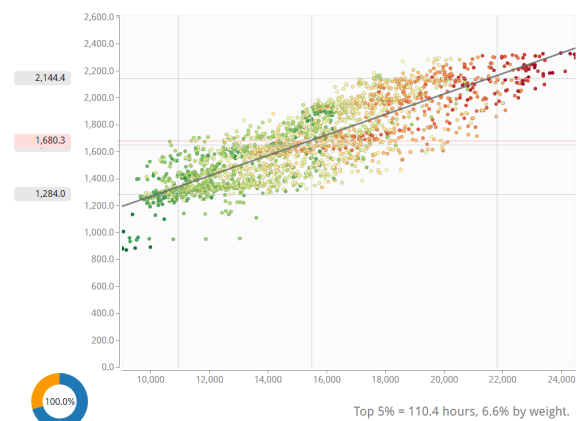
- **Weather correlation:** How well is your facility controlling to outside air temperatures during the heating and cooling seasons?
- **Base load and set backs:** With 24-hour profiles, how well does your building setback during the 70% of the hours which are typically unoccupied?
- **Plug Load:** After accounting for weather, how do the projected plug and security light loads compare to the base load?
- **Year over year, period over period, seasonal comparisons:** With two or more years of data normalized for weather, did your energy usage go up or down compared to previous years? What's the trend?
- **Peak demand:** The demand charges on your utility bill are likely tied to a few hours in the billing period where coincident demands of HVAC and other equipment drove your utility load well above average. These hours represent a disproportionate charge on the bill.

Multiple buildings? We identify outliers in terms of Energy Usage Intensity (EUI). How do your buildings compare to each other and to similar building types in your portfolio and in the region? This intelligence sets the stage to determine which buildings should receive the most attention. With the ability to separate the component loads and their time of use, you're able to focus on the conservation measures that make the most sense. All of this from just the main meter!

For an example of an AEI Soft Start, download the Energy Review of Boston City Hall from our website at www.aeintelligence.com/case-studies. Contact us at info@aeintelligence.com for more information and for a price quote.



A typical Soft Start plot shows composite average days for each month. This facility has peaks during summer in excess of 1,000kW over the annual average and also shows opportunities for reducing night setbacks.



This building's load correlates to ISO New England demand and shows a clear lack of DR when the grid is peaking.