



# EnergyPrint Data Enrichment

What happens to your utility data once you start tracking with EnergyPrint?

We deploy a comprehensive process to continuously normalize and enrich your energy data.



Our enrichment process takes your utility data to the next level.

## Step 1: Gather Data

We retrieve your bills from utility companies each month with our Auto-Fetch service. Then we feed cost and usage data into our application, populating your profile on the Utility Dashboard.



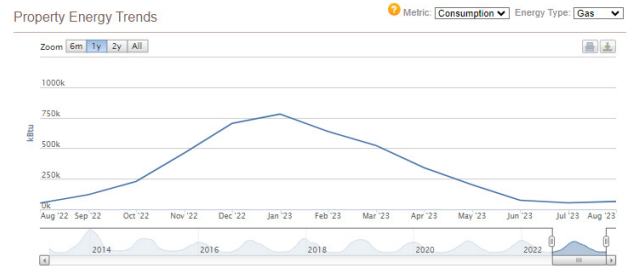
## Step 2: Validate Data

We use both automated and manual methods to validate the accuracy of your utility data, looking for errors and anomalies. These processes ensure that the Dashboard data matches your actual bills.



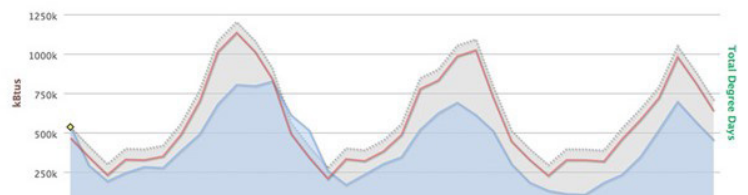
## Step 3: Month Normalization

Energy usage is calculated based on daily averages to give a clearer picture of monthly consumption.



## Step 4: Energy Normalization

We create a layer on top of your raw bills that converts all energy to a common energy unit (kBtus) so we can aggregate your data at different levels and give you a roll-up picture of your total energy usage.



866-259-6869 | solutions@energyprint.com | www.energyprint.com



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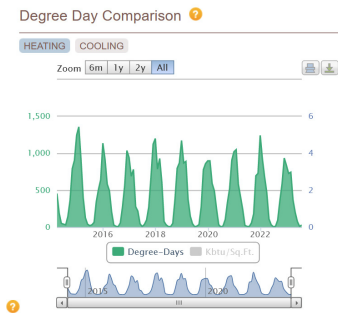
## Step 5: Aggregation

Now that we've month-normalized and energy-normalized your bills, we're now able to aggregate your data at many different levels including the energy type level (electric, gas, etc.), building, and portfolio level.

By aggregating the data at different levels we can help answer questions such as "How much energy did all my gas meters consume this month?" or "What's the total kBtus usage across my building portfolio this quarter and year?"

## Step 6: Weather Normalization

Once we have the common and comparable units, we correlate the energy use of buildings with weather and attempt to remove extreme weather's effect on the building's utility trend patterns to determine the real trend of energy usage.



## Step 7: Cost Avoidance

We create a baseline model of your building and then factor in current weather (following ASHRAE and IPMVP standards) so we can make an "apples-to-apples" comparison between your actual building usage and the weather normalized baseline. This is a critical step for Measurement and Verification (M&V). By doing this we give you a powerful tool to prove that your improvement projects are generating savings year to year and are showing real ROI on building upgrades.

## Step 8: Carbon Measurement

We convert to carbon following CBECS suggested multipliers from the EPA to calculate the impact of site and source carbon use and production so you can stay compliant with your ESG and Benchmarking reporting requirements.

## Step 9: ENERGY STAR Portfolio Manager

We take all your data and automatically upload it to your Portfolio Manager Account with ENERGY STAR each month and fetch back your building's ever-evolving ENERGY STAR Score.

### Energy Intensity

Site (kBtu/SF/yr)	38.40
Source (kBtu/SF/yr)	107.50
Total Site (kBtu)	3,304,005.70
Total Source (kBtu)	9,251,215.90

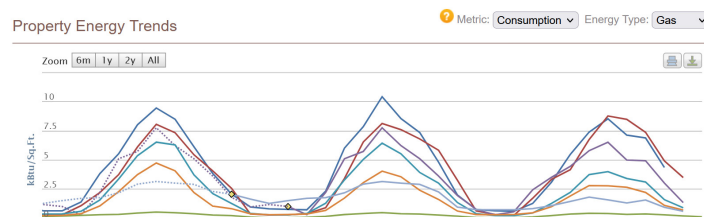
### External Resources



[ENERGY STAR Portfolio Manager Login](#)

## Step 10: Data Visualization

We make all of the data available to you through various reports on our report tab. From raw bill histories, to bill images, to month normalized, aggregated, and costs avoided data - everything we use to power our analytics are available to download at any time from the Dashboard.



EnergyPrint's utility tracking and enrichment makes your data actionable so you can save money and energy. Sign up today to get started.



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Reduce Your Energy Footprint

**ENERGYPRINT**

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