

Building Energy/Demand Reduction Projections For Utility Companies

Operate a more economically efficient incentive program, empowered with building-by-building projections.

{YOUR INCENTIVE PROGRAM} – Per-Building Impact

	Usage Reduction (kWh/y)	Demand Reduction (kW/y)	Cost Reduction (\$/y)	Emissions Reduction (tCO ₂ e/y)	Owner ROI without Incentive (y)
Cooling Upgrade	39,220	6.3	5,902	9.2	5.7
LED Lighting	40,800	4	5,018	10	6
Heat Pumps	(-120,510)	(-20)	3,733	1	>25

123 Main St. - Retail

	Usage Reduction (kWh/y)	Demand Reduction (kW/y)	Cost Reduction (\$/y)	Emissions Reduction (tCO ₂ e/y)	Owner ROI without Incentive (y)
Cooling Upgrade	163,200	17	20,070	41	4.3
LED Lighting	88,430	29	16,680	22	19.1
Heat Pumps	(-482,040)	(-81)	14,930	5.2	>25

100 Main St. - Office

An Empowering Partnership



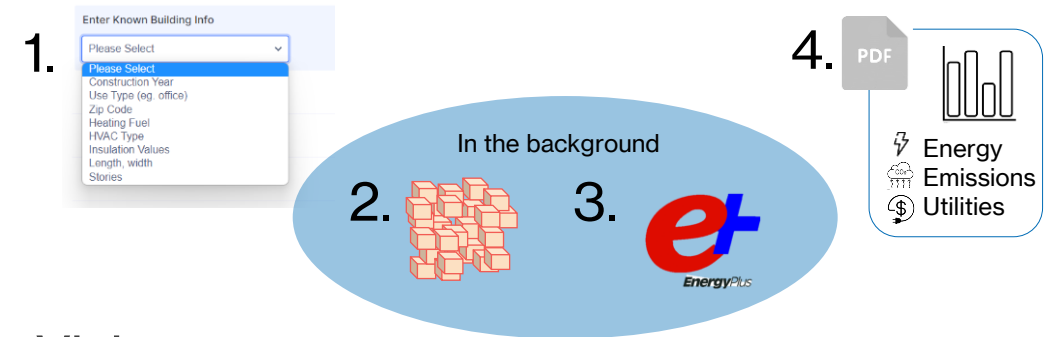
What value do we provide?

1. Quantify the impact (energy reduction or peak demand reduction) of any upgrade to a building's envelope, equipment, or systems.
2. Substitute rules of thumb or cross-industry studies with building-specific calculations, increasing any program's accuracy
3. Break away from the typical tradeoff between cost and accuracy. Emodeler is simple to use and can take less than 5 minutes to accomplish accurate savings accuracy.

From Building Info to Impact in Seconds

Our customized form-based tool is so simple that anyone can use it to simulate custom efficiency measures in a customer's building. Here's how it works:

1. The user enters the known building information and energy cost rates.
2. Using assumptions for anything unknown, a building energy model is automatically created. Assumptions are intelligent, considering building location, type, and age, and leverage recent DoE and EIA research on the U.S. building stock to increase accuracy.
3. The measures of each incentive are automatically applied, then their energy usage and peak demand is simulated using the validated DoE engine EnergyPlus.
4. The user receives a report of the energy, demand, cost, and CO₂ savings of the ECM(s) in the building.



Our Vision

As energy consultants, the Emodeler team has been developing and using tools like this internally for years. With advances in automation and data availability for U.S. buildings, it's finally possible to share this ability.

We think it's important for professionals of all expertise ranges to have access to inexpensive and simple energy efficiency measure calculations. Why?

1. To remove the consultation barrier and get more retrofits completed
2. To empower decarbonization stakeholders with the information required to drive both economic and environmental KPIs

Hop on board, request a demo!

INCENTIVE PROGRAMS
...UPGRADED