

Comparing Energy Options

Estimate annual or monthly loads and costs associated with air-conditioning, heating, and on-site power generation. Compare the performance of standard and high efficiency electric chillers, variable speed electric chillers, absorption chillers, engine chillers, thermal storage, on-site generators, heat recovery, or desiccant systems.

Estimate Energy Loads and Costs

Estimate annual or monthly loads and costs associated with air-conditioning, heating, power generation, thermal storage and heat recovery systems for a given building and location. Develop a better understanding of what new building heating, cooling, and power technology can mean for clients. Prepare side-by-side economic comparisons of different energy options and equipment life cycle cost analysis, perfect for client presentations.

Develop Sales Literature

Use the program's typical buildings to prepare marketing literature for local weather condition by building type. Train new marketing staff on cost saving opportunities for customers.

Marketing Tool

Easily perform quick-to-use economic analysis for the customer's utility rates, location, and building type. Tailor analysis to the specifics of the customer's facility.

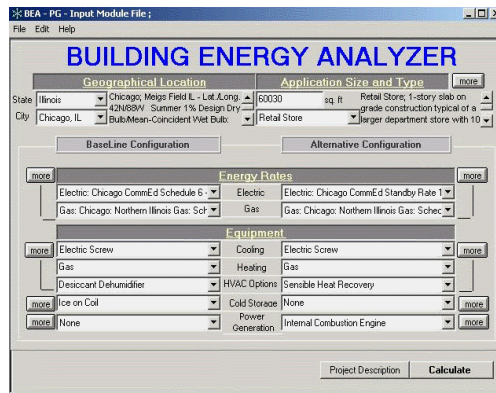
Features

Quick economic analysis for:

- Cooling
- Heating
- Thermal Storage
- Power Generation
- Cogeneration
- Emissions *
- Life Cycle Cost Analysis
- Templates for 15 typical buildings
- Handles complex utility rates
- Weather files for 233 Locations (TMY2)
- User friendly - compatible with Windows® /XP/Vista/7 on 32 bit machines. Not compatible on 64 bit machine.

Potential Users

- HVAC Consultants
- HVAC System designers and operators
- Facility managers
- Gas and electric utility marketers
- ESCO engineers and marketers
- Equipment marketers
- Energy marketers



Focus The Marketing Effort

Test the economic viability of a wide range of different systems. Pick the most attractive application and building type, and develop a marketing focus. Perfect for ESCO marketers.

Hourly Data *

Hourly data is a new feature, which can be used to export 8760 hourly electric & gas use and building loads modeling data for additional analysis.



Energy Data Normalizer														
BEA calculates energy consumption based on full calendar month periods. If your energy billing periods do not coincide with full calendar months they need to be normalized.														
First Bill Start	Electric					Gas					Weather Data			
	Year	No. of Billing Days	Consumption			Consumption			Cooling Degree Days	Heating Degree Days		Min. DB		
Month	Year	Day	kWh	Max kWh	Normalized kWh	Day	Therms	Therms	Temp (F)	Temp (C)	Days			
2002	2002	31	15	0	0	0	31	15	0	0	59	1019	10	
2002	2002	29	15	0	0	0	29	15	0	0	61	915	8	
2002	2002	31	15	0	0	0	31	15	0	0	64	934	7	
2002	2002	30	15	0	0	0	30	15	0	0	44	89	490	24
2002	2002	31	15	0	0	0	31	15	0	0	37	96	331	31
2002	2002	30	15	0	0	0	30	15	0	0	220	93	33	46
2002	2002	31	15	0	0	0	31	15	0	0	300	96	0	96
2002	2002	31	15	0	0	0	31	15	0	0	259	94	0	93
2002	2002	30	15	0	0	0	30	15	0	0	134	92	98	39
2002	2002	31	15	0	0	0	31	15	0	0	11	82	473	29
2002	2002	30	15	0	0	0	30	15	0	0	6	63	912	14
2002	2002	31	15	0	0	0	31	15	0	0	6	60	1072	8

Retrofit Wizard *

Retrofit Wizard is a new tool designed to assist users in normalizing BEA PRO simulation results to the utility bill data from an existing application. Its purpose is to help users in calibrating program input configuration so that the BEA PRO modeled application represents building considered for retrofit as close as possible.

* New features, available only in a PRO version of Building Energy Analyzer™