

powerBILL®

EFFICIENT

Quickly synthesize detailed commercial or residential electric bills for fast evaluation of the financial impact of any technology that uses, saves or generates electricity

COMPREHENSIVE

Tap into PowerTariffs™, a nationwide electric rates database with details such as time-of-use, seasonal and demand charges, taxes, fuel surcharges and minimum bill amounts

FLEXIBLE

Pass in load details at 15, 30 or 60 minute time intervals or use typical days to calculate bill impact in the absence of detailed load data

Nationwide electric bill synthesis from detailed or representative loads

Informed Energy Decisions with PowerBill®

PowerBill's collection of web services take the complexity out of evaluating the financial impact of any energy related technology. With PowerBill, companies selling energy related products and services can quickly provide accurate bill and cost impact information to their customers to help them make an informed purchase decision. PowerBill also can be used to calculate the benefit of power purchase agreements and identify optimal rates given characteristic loads.

Empower Customers, Increase Sales

Purchasing an electric vehicle, implementing an energy efficiency project, or installing a renewable energy technology will change how and when energy is used. The impact of those types of decisions is dependent on the electric rate structure of the local utility and the customer's load profile.

PowerBill draws on Clean Power Research's industry leading analytics and nationwide electric rates database, as well as typical or customer-specified load profiles, to quickly calculate the cost impact of those changes. With before and after energy bills, evaluating the value of an energy-related project is quick and easy.

Powerful Tools

As a standards-based, programmable set of web services, PowerBill can power custom software solutions such as quoting packages and feasibility analysis tools. PowerBill supports 8760-hour load data, and takes inputs that include demand time interval, demand interval convention, demand interpolation and demand unit data. The tariff database includes detailed commercial and residential rate information such as time-of-use, seasonal and demand charges, taxes, fuel surcharges, and minimum bill amounts. PowerBill also correctly handles net metered rates and NEM carryover values.

NYSEG		Electric bill, month ending 1/31/2010	
January usage		Charges	Rate - SC7 Non-residential time-of-use secondary
Total kWh	16,665.27	Fixed charges	\$ 31.20
		Demand charges	
		219.24 kW @ \$8.94	\$1,879.55
		Energy consumption	
		On-Peak	16,665.27 kWh @ \$0.080910 \$1,348.30
		Off-Peak	21,870.97 kWh @ \$0.057818 \$1,264.54
		Total bill for January 2010	\$4,523.59



Clean Power Research®

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PowerBill Professional

PowerBill Professional generates bill estimates specific to a location using a typical load profile scaled to the user's size. This version takes a representative 24-hour load profile for each month and computes the total monthly electric bill based on the local rate structure. Customers who are looking to provide an estimate of the electric bill, but do not have detailed hourly load data, do not expect load data to vary on a daily basis, or do not need detailed bill data based on a customer's specific load profile, will find the Professional version ideal.

PowerBill Enterprise

PowerBill Enterprise is designed for scenarios that require the most accurate calculation and the highest

level of detail in the representation of the electric bill. This version takes hourly load data for the period of interest and computes the bill based on the local bill structure, presenting a detailed explanation of charges. Customers who need to provide line-item bill details, have detailed hourly load data, or experience day-to-day variability in load structure find the Enterprise version best meets their needs.

Pricing

A set of hosted web services, PowerBill is licensed as a subscription based on the number of calculations completed. Contact Clean Power Research at info@cleanpower.com to learn about specific capabilities as they relate to your unique application.

HISTORY OF INNOVATION

Since its founding in 1998, Clean Power Research has worked closely with industry leaders to significantly advance energy and economic analysis of solar and other clean energy and energy efficiency technologies.

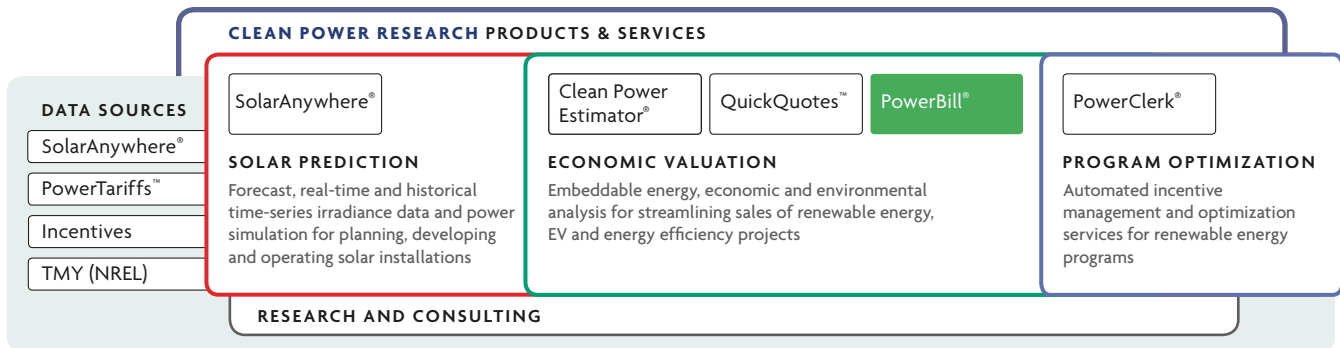
POWERING INTELLIGENCE

The company's research, consulting and software services help agencies, utilities, manufacturers, developers and their customers make informed implementation and integration decisions.

EXPERIENCED PROFESSIONALS

Clean Power Research helped customers process more than \$3 billion in incentives, generate nearly 20,000 PV system quotes, and calculate the economic value of millions of solar and other energy-related projects.

Powering Intelligent Energy Decisions® With products and services from Clean Power Research, making smart energy decisions has never been easier. Clean Power Research supports the planning, selling and operation of solar and other renewable energy systems and energy efficiency technologies with industry-leading data, software, and research and consulting services. Utilities, energy agencies, engineers, developers, manufacturers, installers and financiers rely on Clean Power Research for more bankable analysis, better planning and operations, efficient incentive management and faster sales cycles.



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