Summary of Home Energy Reports
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"Home energy reports" or "home comparison reports" are new vehicles by which utilities are able to actively engage their customers by delivering meaningful energy usage data which is intended to assist customers in making informed decisions about their energy usage. In their simplest form, home energy reports provide information to customers on energy consumption, cost and comparison data using easy to understand graphical formats. These reports use advanced customer data analytics, behavioral science and the latest software, Web and/or hardware technology to engage customers. Home energy reports are not passive disbursements of information, but rather active mediums for informing customers on how much energy they are using, how their usage compares to previous months or years and/or how it compares to neighbors, friends, family, similar sized homes or other groupings of customers' energy usage. Pricing data and time of use information are also common elements contained in home energy reports. The purpose of the home energy report is to provide energy data to customers in such a way that it motivates customers to understand, manage and lower their utility bills through informed usage of energy.

Rocky Mountain Power currently provides the following energy information to its residential customers in Utah to help them understand and manage their energy usage.

Residential Monthly Statement
- 13 month usage history in a bar graph
- Average daily temperature comparison between current period vs. a year ago
- Total kWh used per period comparison between current period vs. a year ago
- Average kWh used per day comparison between current period vs. a year ago
- Average cost per day between current period vs. a year ago

Web site Residential Energy Efficiency Tools & Resources
- Energy efficiency calculator
  http://www.rockymountainpower.net/res/sem/eeti/eec.html
- Mail-in home analysis (paper audit)
  http://www.rockymountainpower.net/res/sem/eeti/mha.html
- Department of Energy online home audit
  http://www.rockymountainpower.net/res/sem/eeti.html
- ENERGY STAR home improvement tools
  http://www.rockymountainpower.net/res/sem/eeti/oratc.html
- Energy saving tips
  http://www.rockymountainpower.net/res/sem/het.html
- Visual presentations of electricity uses and costs
  http://www.rockymountainpower.net/res/sem/eeti/heiu.html
- Energy efficiency and load management programs
  http://www.rockymountainpower.net/res/sem/epi.html
- Information on other energy efficiency incentives available, i.e. Federal tax credits
  http://www.rockymountainpower.net/res/sem/eeti/oratc.html

- Online bill access
  http://www.rockymountainpower.net

The information and tools provided by Rocky Mountain Power are intended to help educate customers on how energy is consumed, provide information on low to no cost actions customers can take to lower their energy consumption, and provide essential information customers need when making home improvement decisions and appliance purchases. Information on Company energy efficiency programs and other market incentives available leverage the information provided by the Company and assist customers in completing energy efficiency projects, thereby allowing them to better manage their energy usage and save money.

There is a wide range of home energy reports that are currently being provided by utilities to their customers across the United States. These reports range from those that rely solely on utility data which is provided to customers in a dynamic format to those that enable customers to provide detailed information on their home, appliances and systems in order to receive tailored recommendations for saving energy to software that is coupled with energy management hardware. Home energy reports are an emerging market with existing players rapidly adding new features and many new entrants attracted to the market. The market is evolving and changing quickly. Many of the utilities offering home energy reports to their customers, particularly those with comparative features, are doing so on a pilot basis. The below table provides a summary level inventory of home energy reports that are currently provided to utility customers in the United States.

Name	Summary	Utility or Customer Enabled	Channel	Utilities
Aclara	Paper and web based detailed bill and energy usage information, diagnostic tools and soon, peer comparisons.	Utility	Mail, Web	NV Energy, Idaho Power, Hydro Quebec, Otter Tail Power
Apogee Interactive	Detailed bill and energy usage information, diagnostic tools, benchmarking and peer comparisons.	Utility	Web	American Electric Power, Florida Power & Light, Tennessee Valley Power Authority, NSTAR, Minnesota Power, Northwestern Energy
E Source	Detailed bill and energy usage information and peer comparisons.	Utility	Web	City of Longmont, Holy Cross Electric, Anaheim Public Utilities

Name	Summary	Utility or Customer Enabled	Channel	Utilities
EarthAid	Detailed bill and energy usage information, peer comparison, point based social networking component with rewards and discounts for saving energy. Provides recommendations for lowering energy usage. Aggregates data from electric, gas and water utilities.	Either	Web	City of DC, Southwestern Electric Power Company (SWEPCO), City of Miami
Efficiency 2.0	Diagnostic tools, personalized savings plan, peer comparison, social networking features and links to retailers to buy energy efficiency products.	Utility	Web, Email	Northeast Utilities System
EnergyHub	Web portal for energy usage information, diagnostic tools and peer comparisons.	Either	Web, Hardware	Con Edison
Google Power Meter	Detailed bill and energy usage tracking and information, predicts energy usage and costs, allows budgets to be set and tracked. Usage can be shared with social network. Aggregates data from electric and gas utilities.	Either	Web	San Diego Gas & Electric, Wisconsin Public Service, JEA, Toronto Hydro-Electric System Limited, TXU Energy, White River Valley Electric Cooperative
GridPoint	Diagnostic tools, comparison reports, and report cards.	Utility	Web	Xcel Energy, Duke Energy, Austin Energy, Progress Energy and Seattle City Light
Grounded Power	Web portal allows users to set targets, interact with others, access utility energy efficiency programs, earn points and rewards. Social networking features.	Utility	Web	Cape Light Compact
Microsoft Hohm	Diagnostic tool based on a answering a series of questions. Provides recommendations for lowering energy usage. Usage can be shared with social network. Aggregates data from electric and gas utilities.	Either	Web	Seattle City Light, Puget Sound Energy, Xcel Energy, SMUD
OPOWER	Compares and presents customer usage against efficient and inefficient neighbors accompanied by recommendations for lowering energy usage. Usage can be shared with social network. Diagnostic tools.	Utility	Mail, Web, Smart Phone	SMUD, Puget Sound Energy, Commonwealth Energy, Xcel Energy, Dominion, National Grid, Connexus Energy, Southern California Edison

Many SmartGrid vendors are entering the home energy report market. SmartGrid products combine the elements of home energy reports with in-home displays and Web portals with peer comparisons and diagnostic tools. The table below provides a summary level inventory of SmartGrid vendors offering hardware and Web solutions that incorporate elements of home energy reports.

Name	Summary	Utility or Customer Enabled	Channel	Utilities
Onzo	Hardware dependent web or energy display device provides information on energy consumption, social network and comparison capabilities.	Either	Web, Hardware	Wisconsin Public Service
Power House Dynamics	Hardware dependent web or energy display device provides information on energy consumption, energy management, social network and comparison capabilities.	Either	Web, Hardware	Unknown
Tendril	Energy consumption data, comparative energy use and diagnostic tools.	Utility	Web, Mail, Smart Phone, Hardware	NSTAR
Watt Vision	Based on the GooglePower Meter, peer comparison, alerts, social networking and detailed energy usage in real time.	Customer	Web, Smart Phone, Hardware	Customers only
Xanboo	Diagnostic tools, bill and energy usage, peer comparisons, social networking.	Customer	Web, Hardware, Smart Phone	Customers only