



Florida Power & Light Company, 215 S. Monroe Street, Suite 810, Tallahassee, FL 32301

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RECEIVED-FPSC

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COMMISSION
CLERK

March 10, 2011

VIA HAND DELIVERY

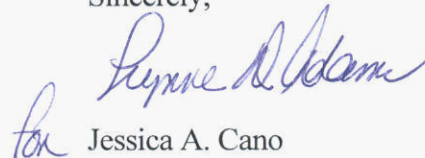
Ms. Ann Cole
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
Betty Easley Conference Center
2540 Shumard Oak Boulevard, Room 110
Tallahassee, FL 32399-0850

RE: Docket No. 110031-EG

Dear Ms. Cole:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") are an original and five (5) copies of FPL's responses to Staff's Data Request No. 1 in the above referenced docket. Please contact me if you or your staff has any questions regarding this filing.

Sincerely,


for Jessica A. Cano

Enclosures
cc: Keino Young

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an FPL Group company

DOCUMENT NUMBER-DATE

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FPSC-COMMISSION CLERK

1. **On page 3 of the petition, FPL states that participants will be recruited at random from “technically eligible homes.” Please explain in detail what is meant by technically eligible homes?**

A: Technically eligible homes must be: located in the project geography, equipped with a home automation-capable smart meter on or before March 1, 2010; and, an occupied, detached residential dwelling. In addition, the customer must have: an active account on FPL's RS-1 rate; must have stated that they intend to remain in their current residence for at least one year after equipment installation, and the customer must not be enrolled in FPL's load management program (On-Call) or Budget Billing program.

2. **Please state whether FPL plans to make any changes to the program if the number of participants falls short of the anticipated number?**

A: To provide statistically valid results, a minimum of 68 participants per treatment group must complete the one-year trial. The FPL participant goals of 120 to 250 participants per group were set to allow a margin for attrition. Inability to recruit or retain at least 68 participants per group would require FPL to evaluate other valid analytical options in conjunction with the project's consultant and the Department of Energy (DOE).

3. **Does a participant in the Pilot Rate program choose which project group they participate in, or are they randomly assigned to a project? Please discuss.**

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A: Project participants will be randomly selected and solicited to participate in one of the individual project treatment groups. Participants will not have a choice of treatments, and FPL will not make potential participants or participants aware of the other project treatment groups.

4. Please provide in detail the steps a customer must take to terminate participation in the Project. In your response, please state whether the steps vary based on the group the customer participates? If so please explain in detail.

A: To terminate participation, customers need only call the project's toll-free phone number and indicate they wish to drop out. Participants will be asked for their main reason for discontinuing participation, and an appointment will be made to have FPL retrieve the FPL-provided equipment. The process is the same for all participants, and does not vary by group.

5. How are participants in the Pilot Rate program educated about the program? What steps has the utility taken, or plans to take to ensure participants understand how to benefit from the emerging smart-grid technologies, the Dynamic Pricing rate, and its associated smart appliances?

A: Because the technologies and proposed dynamic pricing concept used in the project are new, FPL considers participant education to be a critical success factor. FPL

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communications with program participants include i) general information about our smart grid initiative and benefits, communicated in conjunction with their smart meter activation, and ii) information provided to participants in FPL's in-home technology project.

i) Information provided to all customers in conjunction with smart meter activation:

FPL takes a comprehensive approach to educating customers about our smart grid initiative, including mass communications to all customers as well as individual communications to each customer.

After the customer's smart meter has been activated for remote billing, they receive a mailing that provides an outline and benefits of smart grid, including their new smart meter. The letter includes sample graphics from FPL's online customer portal and strongly encourages customers to visit www.FPL.com and check their energy use by the month, day or hour. The mailing also provides easy-to-use instructions on how to register on the FPL website and access their energy information on the portal.

ii) Information provided to participants in FPL's in-home technology project:

FPL plans to take the following steps in order to ensure in-home technology project participants are fully educated about their respective project segment:

- The solicitation materials will contain information to educate customers and set expectations regarding both the potential benefits and known limitations of the specific project offering. Recruiting materials for the in-home display and home

energy controller groups are attached in response to question ten. Proposed pilot rate materials are still under development.

- During enrollment, potential benefits and known limitations stated in the solicitation mailer are repeated by the representative, and customer understanding is verbally confirmed.
- During installation, a Welcome Kit containing a letter, fact sheet and manufacturer's user guide will be reviewed with the customer. One of the two home energy controllers also has embedded video tutorials. A toll-free support phone number is provided on all project materials, as well as a reminder refrigerator magnet. (Welcome kit materials for the in-home display and home energy controller groups are attached in response to question ten.)
- After installation, on-going help via the project's toll-free number is available, and participants on the proposed RSDPR-1 rate will receive an additional reminder letter with their first bill.

6. Please discuss and explain in detail how FPL determined the time of peak demand periods.

A: To allow for flexibility in use, FPL has not predetermined the hours when CPHs may be called during the pilot. The tariff, however, does specify an 8-hour maximum. If the pilot is approved, FPL plans to conduct summer and winter events which coincide with FPL typical seasonal periods of peak demand. Typically, FPL's summer system peak hour is 4pm to 5pm, and its residential peak hour is from 5pm to 6pm. FPL's

winter system peak hours occur between 6am and 9am and 6pm and 9pm. The 8-hour maximum is reflective of FPL's broad summer peak period, assuming that all of FPL's available load control capability is exercised on that peak day. This would result in a peak load profile that is essentially flat for 8 hours. FPL plans to conduct one test of the maximum 8-hour duration, from noon to 8pm, in order to see how customers might react in such a situation in which further load reduction were needed over the entire 8 hour period.

7. **On page 4 of the petition, FPL states, they “may designate a critical peak period, and apply the higher CPP charge, up to 88 hours a year”, please provide an explanation of how the 88 hours a year was determined.**

A: The RSDPR rate was designed by benchmarking against similar rates in the industry. The benchmarking metrics include the ratio between the critical peak hours and all other hour prices as well as the number of hours the critical peak would be exercised. FPL selected 1% of the hours in a year, or 88 hours, which is comparable to other programs.

FPL believes the selection of 88 hours is sufficient for a pilot application of this rate. At the conclusion of the pilot period, FPL's analyses of the data collected from the pilot will examine many aspects of the rate, including the maximum 88 hour limit.

8. **Please explain why customers on the RSDPR-1 rate will pay a levelized base energy charge, as opposed to an inverted base energy charge.**

A: This rate is essentially a time of use rate, with the on-peak period being defined as the dynamic critical peak period and off-peak being all other hours. Since the critical peak and off peak price differentials are administered through the ECCR clause, the base rate is an average all-hour price. TOU rates are not inverted.

9. **Please explain in detail the difference between the In-Home Displays (IHD's) and the Home Energy Controllers (HECs).**

A: Both In-Home Displays (IHDs) and Home Energy Controllers (HECs) are capable of displaying real-time information from the smart meter such as current time, power use, energy price, and text messages from FPL. Both also perform calculations of past and estimated future energy use. IHDs have only simple character displays, while HECs also have graphical displays. Only HECs provide a graphical user interface to control and schedule the operation of central cooling and heating and to schedule the operation of water heaters and pool pumps or to monitor the energy used by those appliances. Only HECs have the ability to automate appliance response to dynamic pricing CPH events, and to allow consumers to override the response of central cooling and heating.

- 10. Please provide a copy of any brochures, pamphlets, flyers, or marketing materials, which can provide details on the specific products IHD's, HEC's, and Smart Appliances that FPL plans to use for the purpose of the Project.**

A: See attached. Inventory of attachments follows:

In-home display

- Recruiting letter and brochure
- Welcome kit with letter, fact sheet, GE IHD User Guide and magnet

Home Energy Controllers

- Recruiting letter and brochure
- GE HEC welcome kit letter and fact sheet
- GE HEC User Guide: PDF T2.5 - GE HEC User Guide
- Cisco HEC User Guide: PDF T2.6 - Cisco HEC User Guide

Smart Appliances

- GE smart appliance spec sheets

- 11. Please provide a narrative of what steps, if any, FPL plans to take if the Project is deemed successful.**

A: Due to the experimental nature of this project, it is too soon to determine what FPL's future steps may be. It is important to note that FPL is using emerging consumer technologies which are developmental, so their benefits, support needs and commercial viability are not known at this time. Data gathered as a result of the

project will assist in providing FPL and DOE with an initial understanding of the technical feasibility, potential energy impacts and customer acceptance of these particular technologies and the particular pricing concept tested which may or may not indicate the need for further experimentation or further program development.

- 12. The petition requests Commission authorization for FPL to administer the proposed Pilot Rate through the ECCR clause. Paragraph 4 of the petition states that ARRA grant will fund: (1) planned project expenses associated with project management, (2) marketing, (3) equipment purchase and installation, (4) customer support, (5) billing, (6) impact evaluation, and (7) decommissioning. Appendix A lists the DOE Funded Budget by category.**

A. Please provide a narrative explaining in detail, categorizing by expense and dollar amount, what FPL projects filing for recovery through the ECCR each year.

A: For purposes of the Pilot as filed, FPL does not intend to recover any costs through the ECCR clause.

B. Please explain in detail the difference between "Project Management" expenses covered by the DOE grant and cost of administration of the RSDPR-1 rate, which FPL proposes recovering through the ECCR clause.

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A: As stated previously, FPL is not proposing to recover any costs through the ECCR clause as a part of this pilot as filed. FPL is only seeking to "administer" (i.e., credit and charge) the all hour rate and the CPP rate differential through the ECCR clause (as opposed to base rates). Additionally, any needed changes to the all hour rate and the CPP rate differentials will be handled through the annual ECCR clause process. This is the same process used by TECO for its RSVP rate approved in Docket No. 070056-EG, Order No. PSC-07-0740-TRF-EG.

13. Page 5 of Appendix A to the petition discusses the appliances that will be provided to some participants. Please identify the make, model, and cost of each of the "Smart Appliances" to be provided to the 10 RSDPR- 1 pilot participants.

A: Please note that FPL's response to this Data Request contains proprietary pricing information and, therefore, must be treated as confidential. An un-redacted copy of this answer is being filed separately with a Notice of Intent to Request Confidential Classification. All smart appliance costs are paid by the DOE grant.

Table 1: Smart Appliances to be provided to ten RSDPR-1 pilot participants

Make	Model	Cost
General Electric	Refrigerator, side-by-side, PSQS6YGYSS, or	
General Electric	Refrigerator, bottom-drawer, PFQS5PJYSS	
General Electric	Dishwasher, PDWT585RSS	
General Electric	Clothes washer, WPDH8910KWW	
General Electric	Clothes dryer, DPVH91EKWW	
General Electric	GeoSpring hybrid water heater, GEH50DNSRSA	

14. **Page 5 of Appendix A to the petition states the “Smart Appliances” will respond to Conservation Price Hours in innovative ways. Please elaborate and discuss in detail what is meant by “innovative ways”.**

A: Smart appliances are specifically designed to reduce energy consumed during Conservation Price Hours (CPH), while minimizing inconvenience to customers. While appliance responses will vary according to manufacturer-specification, response types fall into two general categories 1) delaying start until a lower-cost period, or 2) if appliance is mid-cycle when a high price period occurs, reducing its power requirement without interrupting its task. In most cases, appliance responses can be overridden by consumers. FPL proposes to test five GE smart appliances, in conjunction with a GE HEC, with the following manufacturer built-in responses to CPH events:

- Refrigerator
 - Disable several features, such as QuickFreeze, Quick Ice TM, and TurboCool TM,
 - Delay Defrost

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- Consumer safe temperature shifts
 - Reduce total energy used by over 20% over a 4 hour period
- Dishwasher
 - Delay Cycle Start
 - Disable the Heated Dry option
 - These features can be over-ridden by the customer
- Clothes washer
 - Delay Cycle Start
 - Power Saver cycle suggested as the default setting if consumer has overridden delayed Cycle Start
 - These features can be over-ridden by the customer
- Clothes dryer
 - Delay Cycle Start
 - Power Saver cycle is suggested as the default setting if consumer has overridden delayed Cycle Start
 - If already operating, complete the remaining portion of cycle in Power Saver mode
 - These features can be over-ridden by the customer
- GeoSpring Hybrid-electric water heater
 - Use a 550 watt “eHeat” heat pump mode vs. the 4,500 watt resistance element
 - Enable a lower water temperature set point (e.g., 100 degrees) to minimize cycling

- 15. Please explain what FPL plans to do with the existing appliances of the 10 RSDPR-1 pilot participants? Will these participants have the opportunity to for example, retain their existing refrigerator, thereby increasing their usage for cooling foods?**

A: Customers will be offered free removal of old appliances, but customers may also retain ownership of their old appliances so they may retain, sell or donate them. Customer activity such as that described in the question will be monitored as part of the project.

- 16. Page 5 of Appendix A to the petition states RSDPR -1 pilot participants, who participates for a minimum of one year, will be allowed to keep the FPL-provided smart appliances. If a participant elects to terminate their participation prior to one year, will FPL remove the provided smart appliances, and return and/or reinstall the original appliances? In addition, does FPL plan to recruit new participants and reallocate the smart appliances? Please discuss.**

A: FPL will exercise all possible diligence when screening customers for enrollment. The smart appliance group participants will be required to sign an agreement that warrants that participant's home is not currently for sale or under or subject to foreclosure, to the participant's knowledge. Further, smart appliance participants will agree in good faith to participate for a minimum one-year term, and further agree not

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to sell the FPL-provided equipment. Ultimately, and for unforeseeable reasons, some smart appliance participants may not complete the pilot year. In such cases, and for practical reasons, FPL will not seek removal of the smart appliances, or return or reinstall of the original appliances, or recruitment of new smart appliance participants. Because the project is fully DOE funded, the general body of FPL customers will not have financial exposure in the event of participant attrition.

Attachments



Patricia Garcia
1234 Any Street
Miami, FL 12345

Date

Account No: 12345-67890

You're now part of a smarter grid

Dear Customer Name,

Our customers have told us that reliable and affordable electricity is what's important to them. And we're committed to delivering just that. Now, using state-of-the-art smart grid technologies, we're doing even more to keep your service reliability high and help you gain more control over your electric bill.

We've replaced the meter on your property with a smart meter

The new meter is an essential part of our commitment to building a stronger, smarter, cleaner and more efficient electric grid. Here's how we're putting these new technologies to work for you:

A smarter, stronger grid for the way you live

Smart technologies will help us keep your service reliability among the highest in the nation. They will make it possible for us to offer you a wide range of benefits in the future, including fewer power outages and faster service restoration when an outage does occur.

More information to help you take more control over the energy you use

In addition, the new smart meter provides you with more information than ever before about the energy you use. Instead of waiting until you receive your monthly FPL bill to see how much electricity you have used, you can log on to our secure website and see how much energy you're using, as well as what you're spending for it, by the month, day or even by the hour. The meter is smart, but you're in control. If you so choose, you can use this information along with our Home Energy Survey and conservation tips, also on our website, to actively manage your energy use and save on your bill.

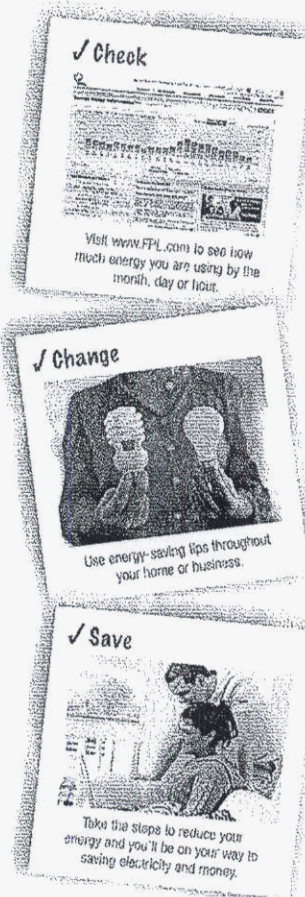
Whether or not you choose to manage your energy use on www.FPL.com, the smart meter provides other advantages to you, such as convenience. We will no longer need access to your property to read the meter because the smart meter communicates remotely with FPL. (We will still need occasional access for routine maintenance.) And, we will rarely need to estimate your FPL bill, even when you move in or out of your home or business.

Learn more at www.FPL.com/smartmeter and sign up to receive e-mails with energy-saving tips.

Sincerely,

Marlene Santos

Marlene Santos
Vice President of Customer Service



Get started today

- » Visit www.FPL.com and enter your user ID and password in the account log in box or click on "register for online access." If you are registering for the first time, you will need your FPL account number (printed on this letter), an e-mail address and the last six digits of the Social Security number associated with the FPL account.
- » Click on "Billing History Graph" to see your electricity use by the month, day and hour, and the average high temperature. Your information will be online within a day.



Ahora usted forma parte de una red más inteligente

Estimado [Nombre del cliente]:

Nuestros clientes nos han dicho que para ellos lo importante es tener un servicio de electricidad fiable y asequible. Y nosotros estamos comprometidos a darles justamente eso. Ahora, utilizando tecnologías avanzadas de redes inteligentes, estamos trabajando aún más por mantener un alto nivel de fiabilidad del servicio y ayudarle a tener un mayor control sobre su cuenta de la electricidad.

Reemplazamos el metro contador de su propiedad por un metro contador inteligente
Este nuevo metro contador es una parte esencial de nuestro compromiso de construir una red eléctrica más sólida, inteligente, limpia y eficiente. A continuación, explicaremos cómo ponemos en funcionamiento estas nuevas tecnologías para usted:

Una red más inteligente y sólida para la forma en que usted vive

Las tecnologías inteligentes nos ayudarán a mantener nuestro nivel de fiabilidad del servicio entre los más altos del país. Estas tecnologías nos permitirán ofrecer una amplia gama de beneficios en el futuro, entre los cuales se incluyen menos cortes de energía y restaurar el suministro eléctrico más rápido cuando ocurre un corte.

Más información para ayudarle a tener un mayor control sobre su consumo de energía

Además, el nuevo metro contador inteligente le proporciona más información que nunca sobre su consumo de energía. En lugar de esperar hasta recibir la cuenta mensual de la electricidad de FPL para saber cuánta electricidad ha consumido, puede ingresar a nuestro sitio web seguro y consultar el consumo y el costo de energía por mes, día o hasta por hora. El metro contador es inteligente, pero usted tiene el control. Si así lo desea, puede utilizar esta información junto con nuestro Home Energy Survey (Estudio sobre la Energía del Hogar) y nuestros consejos de conservación, disponibles también en nuestro sitio web, para administrar activamente su consumo de energía y ahorrar en su cuenta de electricidad.

Independientemente de que elija administrar su consumo de energía en www.FPL.com o no, el metro contador inteligente le ofrece otras ventajas, como la comodidad. Ya no tendremos que ingresar a su propiedad a leer el metro contador porque el metro contador inteligente se comunica de forma remota con FPL. (Ocasionalmente, necesitaremos acceder para realizar tareas de mantenimiento de rutina). Además, serán pocas las ocasiones en las que tendremos que hacer un cálculo aproximado de su cuenta de FPL, incluso si se cambia de casa o negocio.

Obtenga más información en www.FPL.com/smartmeter e inscribese para recibir mensajes de correo electrónico con consejos para ahorrar energía.

Atentamente,

Marlene Santos

Marlene Santos
Vicepresidenta de Atención al Cliente



Comience hoy mismo

- Visite www.FPL.com y escriba su ID de usuario y contraseña en el cuadro de inicio de sesión de la cuenta o haga clic en "register for online access" (registrarse para tener acceso en línea). Si se está registrando por primera vez, necesitará su número de cuenta de FPL (impreso en esta carta), una dirección de correo electrónico y los últimos seis dígitos del número de Seguro Social asociado con la cuenta de FPL.
- Haga clic en "Billing History Graph" (Gráfico del historial de la cuenta) para ver su consumo de electricidad por mes, día y hora, y la temperatura alta promedio. Su información estará disponible en línea en el transcurso de un día.



How to check your energy use on www.FPL.com

How much energy are you using by the month, day and hour?

Today, most customers have little information about how much they are spending on electricity until after the fact - when they get their monthly bill. Now, if your account has been transitioned to a smart meter, you will be able to see how much energy you are consuming by the month, day or hour. Your information will be online within a day. This will help you make more informed energy choices throughout the month.

1. Getting started

- » Visit www.FPL.com and enter your User ID and password in the "Account Log In" box.
Not registered on FPL.com? Click on "Register for Online Access." Registration is simple. You will need your FPL account number, an e-mail address and the last 6 digits of the Social Security number associated with the account.

2. Once logged in, click on "Billing History Graph"

- » Click on Billing History Graph under My Account.

3. View your account information, as well as your next estimated bill

My Account Summary

Welcome, John Smith

Account Number: 12346678
Service Address: 16634 Redwood Way

Total Amount Owed: \$0.00
New Charges Due By: Jun 23, 2010
Last Payment: \$192.27

Navigation links: Pay My Bill, View My Bill, Payment History, Billing History Graph (circled), Update Account Info, Select/Add Account, Online Energy Survey.

Your Account at a Glance

Bill Account: 0000000000
Service Address: 123 SOME STREET
SOME CITY, FL 33333
Billing Type: ACTUAL READING/TESTING
Billing Period: Jun 06, 2010 to Aug 05, 2010
Bill Reading: 37884
of Service Days: 29
Total Electric Charges: \$251.04

Estimate My Next Bill

Next Scheduled Bill Date: Sep. 02, 2010
Next Month's Estimated Bill: \$220*

* The bill amount generated in the Estimate My Next Bill tool is only an estimate of what your next electricity bill amount could be, based upon rates used to calculate your last bill, and is not applicable to Budget Billing customers.

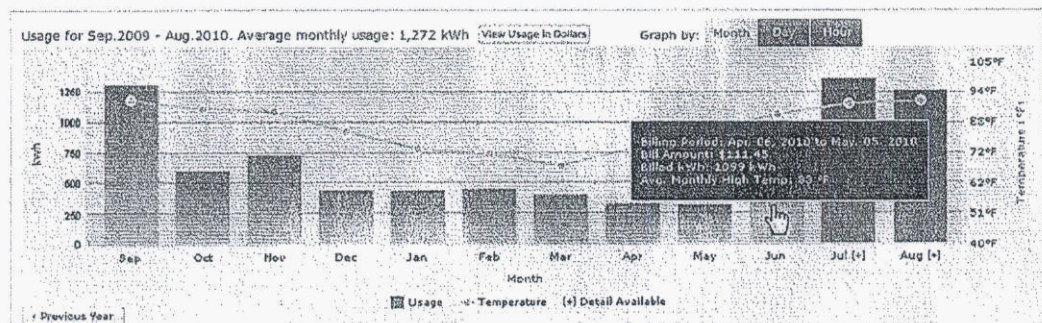
Changes in the way you use electricity -- as well as changes to billing rates, taxes, or fees -- will affect the accuracy of the estimated bill.

Your actual bill amount may be different than the amount in the Estimate My Next Bill tool.

How we calculate your estimated bill

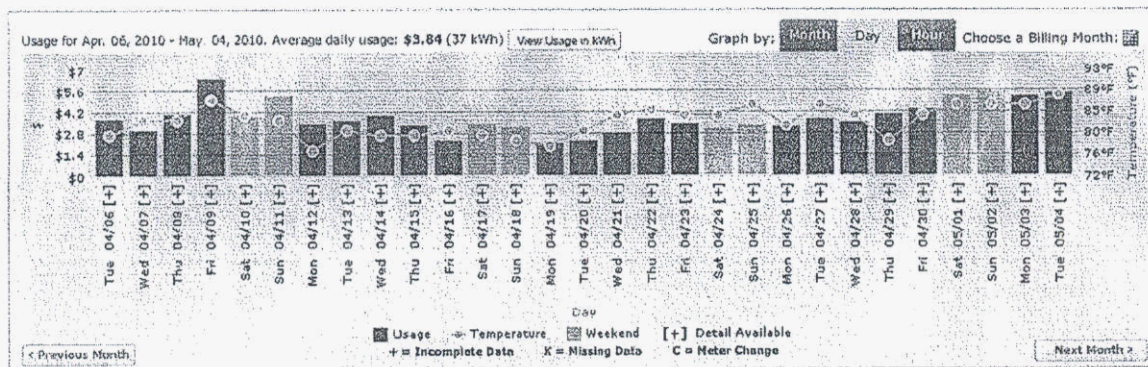
4. View your energy use by the month

- » Do you use more energy at certain times of the year? For example during the summer months when the temperature outside is higher, your air conditioner has to work harder to maintain the temperature inside your home or business. With this graph, you are able to see your energy use up to the last 24 months.
- » By hovering over the bars you will be able to see:
 - Bill month
 - Billing period
 - Bill amount
 - Energy used (billed kWh)
 - Average monthly high temperature



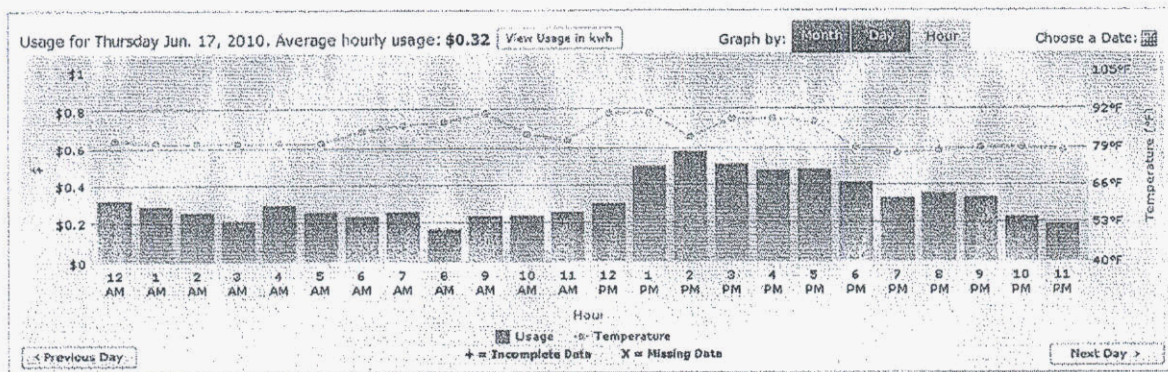
5. View your energy use by the day

- » Click on any bar (with detail available) for energy use by the day.
- » Do you use more electricity on the weekends? With this graph, you are able to see how much energy you use each day during a billing period.
- » Peach bars indicate the weekend and green bars indicate weekdays. By hovering over the bars you will be able to know:
 - Day/Date during billing period
 - Energy used (kWh usage)
 - Approximate cost of electricity
 - Daily high temperature (red line)



6. View your energy use by the hour

- » Click on any bar for energy use by the hour.
- » Do you use more energy in the morning or later in the day? With this graph, you are able to see how much energy you use each hour during a chosen day.
- » By hovering over the bars you will be able to know:
 - Time
 - Energy used (kWh usage)
 - Approximate cost of electricity
 - Hourly temperature
- » Sometimes data will not be available in the hourly view of your usage chart. This could be the result of a variety of factors, including:
 - If actual power use registered during that hour is less than 1kWh
 - temporary communication issues with your smart meter and the wireless network
 - a delay in the system where the usage data is stored. You can check back after a day or two to see if the usage information is available
 - a power outage, during which there is no consumption data
- » Your monthly usage and bill are based on the monthly meter reading and are not impacted by data that is not available on the hourly usage chart. We provide the hourly detailed data to you as a tool for monitoring your usage and to provide you with insight into how you use energy throughout the day.





January 21, 2011

Dear Valued Customer:

Are you interested in saving on your electric bill? We're recruiting volunteers for a **free trial** of a new smart grid technology to help you do just that – and you're invited to participate.

Starting in early 2011, FPL will begin evaluating a new product placed in the homes of participating customers. If you sign up for the FPL Home Energy Technology Program, we'll provide you with a **GE energy display with Brillion™ technology** – a \$100 value – at **no charge**. The device will work in tandem with the smart meter on your home to provide you with more information about your energy use and costs than you've ever had.

This easy-to-read device will display useful information to help you make more informed energy choices every day:

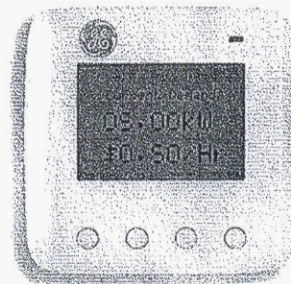
- Your electricity use and costs – right now and throughout the month.*
- The cost of your electricity use per hour.
- A forecast of how much electricity you are projected to use for the month.

It costs you nothing to participate, and you may opt out at any time. FPL will provide the energy display and a technician to install it and show you how to operate the device. If you remain in the program for a year and complete a customer opinion survey in 2012, the display is yours to keep. More information about the FPL Home Energy Technology Program is enclosed.

Participation is limited, so sign up today simply by calling 1-800-626-2062. Your involvement could save you money on energy costs. It will also provide us with valuable feedback as FPL continues to explore new products and services to help our customers gain more control over the energy they use. Thanks for your consideration.

Sincerely,

Patrick Agnew
Technical Manager
FPL Home Energy Technology Program



*Data provided by your free
GE energy display gives you a
whole new level of control over
your electricity use and costs.*

The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by just giving us a call. However, FPL will have the right to recover all FPL-provided equipment from customers who discontinue participation prior to one year.

* The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill. The energy consumption value displayed is averaged over a 60-second period.

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

FPL's Top 10 Energy Saving Tips

Cool and heat your home efficiently

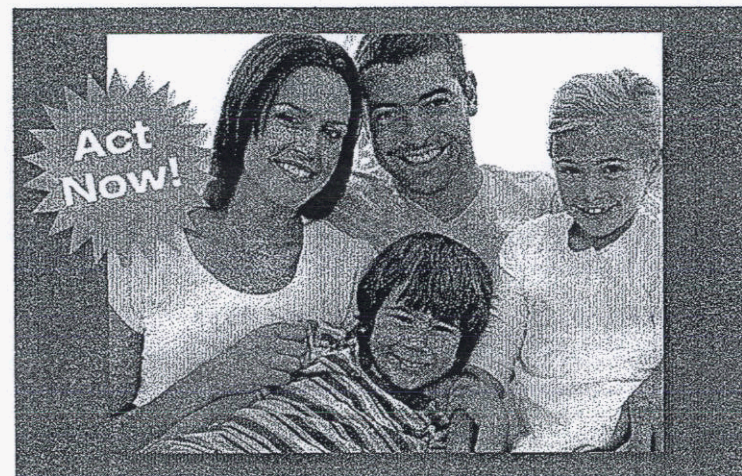
1. Cool your home at 78 degrees or warmer with the thermostat fan switched to Auto. For additional savings, raise the thermostat to 82 degrees or warmer when you're away.
2. Heat your home at 68 degrees or cooler with the thermostat fan switched to Auto. To save even more, lower the thermostat to 65 degrees or cooler at bedtime or when you're away from home.
3. Reduce your water heater temperature from 140 degrees to 120 degrees, which is the recommended temperature setting according to the U.S. Department of Energy, to save about \$7 a month.
4. Clean or replace your air conditioner's filter regularly to help your unit run more efficiently and trim cooling costs.
5. Turn off your ceiling fan when you leave the room. A fan that runs all the time costs up to \$7 a month.

Control your water use

6. Use your dishwasher to conserve energy. Avoid pre-rinsing dishes to save up to \$70 a year.
7. Limit the time you run your pool pump:
 - Summer — six hours a day
 - Winter — four hours a day

Control your appliances

8. Adjust the water level on your washing machine to match the load size, especially when using hot water. Always use a cold rinse.
9. Clean the lint filter in your dryer before every load to dry your clothes faster and save money.
10. Use the auto sensor on your dryer to conserve energy by not over-drying your clothes.



Helping You Make More Informed Energy Choices

FPL Home Energy Technology Program

The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by just giving us a call. However, FPL will have the right to recover all FPL-provided equipment from customers who discontinue participation prior to one year.





Take Charge of Your Electric Bill

The FPL Home Energy Technology Program provides fast visual feedback to help you control your energy use and costs.

You're in control

Until now, electricity use has been "invisible" and hard to control. All that is about to change. FPL is offering you a free GE energy display with Brillion™ technology that gives you fast insight into your energy use, including:

- Your electricity use and costs – right now and throughout the month*
- The cost of your electricity use per hour
- A forecast of your projected use for the month

What you get

The energy display, a \$100 value, uses information from the smart meter on your home and puts the power to save into your hands. Participation is limited – call 1-800-626-2062 today to register. We'll schedule a time to deliver the GE device, make it operational and show you how to use it to monitor your energy use. After installation, we'll have a team standing by if you have questions or need technical assistance.

Your savings will reflect your efforts

Having ready access to your data gives you better control over how you use energy. As always, your monthly bill will reflect how much electricity you actually consume.

You play a crucial role

Your feedback will help in evaluating new ways to give our customers more choices and more control over their energy use and costs. If you remain in the program for a year and complete a customer survey in 2012, the device is yours to keep.

Building a smarter electric grid

The FPL Home Energy Technology Program is part of Energy Smart Florida, FPL's smart grid initiative to build a stronger, smarter, cleaner electric infrastructure. The program is supported by an economic stimulus grant from the U.S. Department of Energy. Smart grid technologies are helping us keep service reliability high while providing our customers with information to actively manage their energy use and costs, if they so choose. For more information, go to www.FPL.com/EnergySmart.

*The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill. The energy consumption value displayed is averaged over a 60-second period.

More About the FPL Home Energy Technology Program

What is the program about?

It's all about conserving energy and saving customers money. By placing new technology into your hands, we can learn about its potential to help you use energy more efficiently, so you can live more affordably.

Is the device really free?

Yes. All we ask is that you participate for a year and complete a customer survey in 2012.

How long am I enrolled in this program?

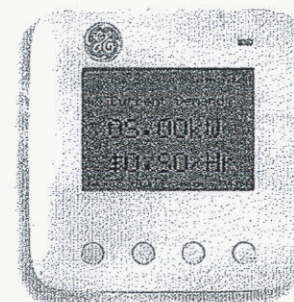
If you use your energy display for a year and complete the 2012 customer survey, the device is yours to keep. If you discontinue prior to one year, we may recover the GE device.

How much can I save?

Your electric bills will continue to reflect how much energy you actually use. Any potential savings will depend on the changes you make to your energy habits. Studies have shown that consumers who actively use an energy display and the data it offers can save an average of about 7%. Use FPL's Top 10 Tips on the following page and see how much you can save.

What if I need assistance?

If you register for the FPL Home Energy Technology Program, we'll provide a technician to set up the device and show you how to use it. After that, we'll have a program team available if you have questions or need technical assistance. If there are any problems with the display, we will also assist you with obtaining repair or replacement of the device under GE's applicable warranty.



Use the GE energy display with Brillion™ technology at no charge to you. Actual size: 4.2" square x 1.1" deep.

Questions? Just call us at 1-800-626-2062





Welcome to the FPL Home Energy Technology Program

We're exploring innovative ways to give customers more control over their energy use and costs, and your participation will help us evaluate new smart grid technology designed to do just that.

The free GE energy display with Brillion™ technology, a \$100 value, works in tandem with the smart meter on your home to provide you with more insight about your energy use – and what you pay for it – than ever before. You'll have fast access to your data to help you make more informed energy choices every day. The information available from this innovative device includes:

- » Your electricity use and costs – right now and throughout the month.*
- » The cost of your electricity use per hour.
- » A forecast of how much electricity you are projected to use for the month.

It costs you nothing to participate, and you may opt out at any time. If you remain in the program for a year and complete a customer survey in 2012, the display is yours to keep. See the enclosed information for more about the FPL Home Energy Technology Program. If you have questions, please call **1-800-626-2062** for assistance.

We appreciate your participation in the program. Your involvement will provide us with valuable feedback as FPL continues to explore new products and services to help our customers gain more control over the energy they use. Welcome aboard!

Sincerely,

A handwritten signature in black ink that reads 'Pat Agnew'.

Patrick Agnew
Technical Manager
FPL Home Energy Technology Program

* The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill. The energy consumption value displayed is averaged over a 60-second period.

The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by just giving us a call. However, FPL will have the right to recover all FPL-provided equipment from customers who discontinue participation prior to one year.



Fact Sheet

FPL Home Energy Technology Program

Fast Insights for More Informed Energy Choices

The FPL Home Energy Technology Program includes customers like you who have volunteered to evaluate new products and services made possible by our smart grid initiative. We're pleased to provide you with a free GE energy display with Brillion™ technology, an innovative device that may help you save energy – and money on your electric bill.

Energy Insights – Fast: The display, a \$100 value, works in tandem with the smart meter on your home to provide you with more information about your energy use and costs than you've ever had. You now have fast access to your data in an easy-to-read format to help you make more informed energy choices every day. The display includes:

- » Your electricity use and costs – right now and throughout the month.*
- » The cost of your electricity use per hour, providing information similar to the speedometer on your car – an indicator of when to consider "slowing down," or conserving.
- » A forecast of how much electricity you are projected to use for the month.

Your Savings Will Reflect Your Efforts: Having ready access to your energy data gives you better control over your energy use. Try FPL's Top 10 Energy Saving Tips (on Page 2) and see the difference! As always, your monthly bill will reflect how much electricity your home actually consumes during the billing period (the time between meter readings).

Getting Started: Once our technician has completed the installation and established the connection to the smart meter, your display is ready to use. See the GE User Guide included with the device for additional information about how to use it.

What We Ask of You: We request that you participate in the FPL Home Energy Technology Program over the next year. If you do that and complete a customer survey in 2012, the device is yours to keep. Of course, you may opt out at any time. We may occasionally communicate with you about the program during the year.

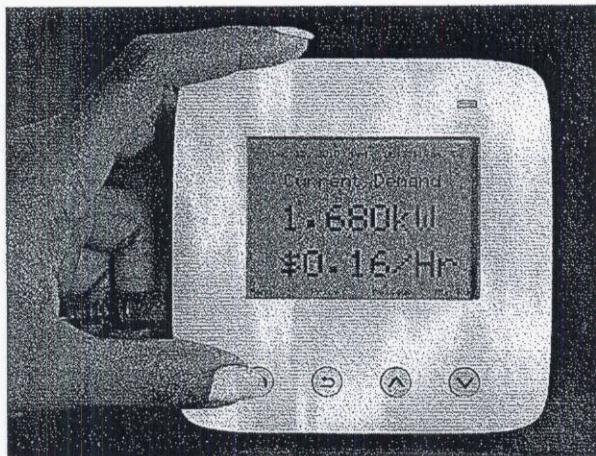


You Play a Crucial Role: The ultimate goal of the FPL Home Energy Technology Program is to provide you with new products and services. Your feedback is important as we evaluate new ways to give our customers more choices and more control.

Building a Smarter Electric Grid: The program is part of FPL's smart grid initiative, Energy Smart Florida, and is supported by an economic stimulus grant from the U.S. Department of Energy. It is part of our commitment to build a stronger, smarter and cleaner electric infrastructure. Smart grid technologies will help us keep service reliability high while providing our customers with information to actively manage their energy use and costs, if they so choose. For more information, go to www.FPL.com/EnergySmart.

Questions? Call 1-800-626-2062

*The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill. The energy consumption value displayed is averaged over a 60-second period.



Top 10 Energy Saving Tips:

1. Heat your home at 68 degrees or cooler with the thermostat fan switched to auto. To save even more, lower your thermostat to 65 degrees or cooler at night or when you're away from home.
2. Cool your home at 78 degrees or warmer with the thermostat fan switched to auto. For additional savings, raise your thermostat to 82 degrees or warmer when you're away.
3. Reduce your water heater temperature from 140 degrees to 120 degrees, which is the recommended temperature setting according to the U.S. Department of Energy, to save about \$7 a month.
4. Clean or replace your air conditioner filter regularly to help your unit run more efficiently and trim cooling costs.
5. Turn off your ceiling fan when you leave the room. A fan that runs all the time costs up to \$7 a month.
6. Use your dishwasher to conserve energy. Avoid pre-rinsing dishes to save up to \$70 a year.
7. Limit the time you run your pool pump:
Summer – six hours a day
Winter – four hours a day
8. Adjust the water level on your washing machine to match the load size, especially when using hot water. Always use a cold rinse.
9. Clean the lint filter in your dryer before every load to dry clothes faster.
10. Use the auto sensor function on your dryer to conserve energy by not over-drying your clothes.

The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by just giving us a call. However, FPL will have the right to recover all FPL-provided equipment from customers who discontinue participation prior to one year.

Questions & Answers

Q: Will the GE energy display automatically reduce my electric bills?

A: No, the display gives you information about your energy use and costs. This data enables you to make choices that could reduce your electricity use and monthly bills. Your bill will reflect how much energy you actually use during the billing period, which is the period of time between meter readings.

Q: How much will I save on my electric bills?

A: Your electric bills will continue to reflect how much energy you actually use. Any potential savings will depend on the changes you make to your energy habits. Use FPL's **Top 10 Energy Saving Tips** on this page and see how much you can save.

Q: What do I receive in return for my participation?

A: The GE energy display will help you monitor and potentially reduce your energy use and costs. If you participate for a year and complete a customer survey in 2012, the device is yours to keep.

Q: What's my obligation?

A: We ask that you remain involved in the program over the next year and complete the survey in 2012. However, you may opt out at any time.

Q: Why doesn't the dollar amount on my display match my bill?

A: The device tracks and displays your energy use by the calendar month, not by your FPL billing cycle. Also, it does not include taxes and standard fees that are part of your monthly bill.

Q: My friends are interested in the GE energy display – can they get one?

A: Not yet – Smart Home technologies are still new and are being evaluated in a limited number of randomly selected homes.

Q: What if I need assistance?

A: If you have questions or need technical help with the device, just call our program team at 1-800-626-2062. We'll be glad to assist you.

Questions? Call 1-800-626-2062

IN-HOME DISPLAY

Operating Instructions
and Limited Warranty

49-50269 12-10 GE

IMPORTANT SAFETY INSTRUCTIONS

WARNING:

RISK OF ELECTRICAL SHOCK OR FIRE. MAY CAUSE INJURY AND/OR DEATH.

- Operate this device only at the specified voltage as indicated on the In-Home Display product label.
- Only connect this device to the UL/ETL approved 5-volt DC power supply supplied by the manufacturer.
- This device is not intended for use in bathrooms, laundry areas, or similar indoor high humidity locations.
- Keep this device away from all liquids.
- Unplug this device from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

NOTICE:

- This device shall only be used for its intended purpose as described in this Owner's Manual.

SAVE THESE INSTRUCTIONS

Installation Instructions

1. Plug the power adapter into the adapter socket on the left-hand side of the unit.
2. Pull out the table stand on the back of the unit and place the unit on a firm flat surface near a power source.
3. Insert the plug into a 120 V wall socket.

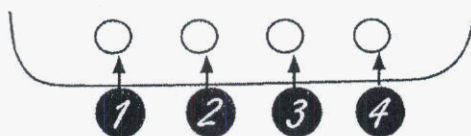
Backlight

Press any button to turn on the backlight.

Note: If the backlight has turned off, you can press any button to turn it back on.

Navigational Buttons

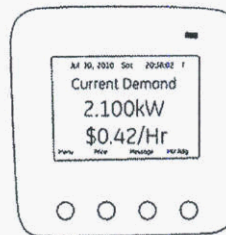
The In-Home Display unit has 4 buttons that are used to navigate through various screens of information. These buttons are not physically labeled however for purposes of this manual they will be referred to as Button (1), (2), (3), and (4).



Home Screen

The Home Screen is the main display screen. It shows the current power consumption and the cost per hour.

From the Home screen you can access the Menu screen, current price of your electricity, messages from your utility company, and your current meter reading.

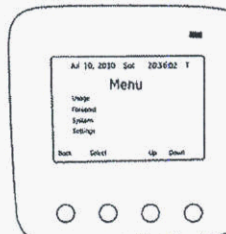


Menu

To access the Menu screen, press Button (1) while on the Home Screen.

This screen provides navigation to the Usage, Forecast, System, and Settings menu pages. To access one of these screens, press Button (3) or (4) to select the desired screen and press Button (2) to view it.

Press Button (1) to return to the Home Screen.



Usage

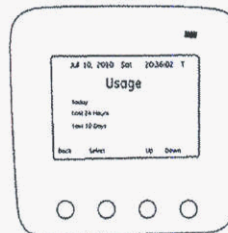
To view your energy usage:

1. Select the Usage option from the Menu screen.
2. Press Button (3) or (4) to select one of the following options and press Button (2) to view the data:

TODAY - Displays the energy consumption and cost since midnight.

LAST 24 HOURS - Displays the energy consumption and total cost for the last 24 hours.

LAST 30 DAYS - Displays the energy consumption and total cost for the last 30 days.



Forecast

1. Enter the FORECAST menu.
2. Press Button (3) or (4) to select one of the following options and press Button (2) to view the data:

TODAY VS 30-DAY AVERAGE - Displays today's energy usage/cost and compares it to your average daily usage and cost for the last 30 days.

30 Day Forecast* - Forecasts the next month's energy usage/cost based on your average daily usage/cost for the last 30 days.

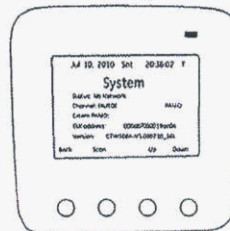
*Estimates of cost will vary from your actual bill because it does not include the taxes, surcharges and recovery fees added by your utility when it calculates your monthly bill.



System

To join a utility smart meter:

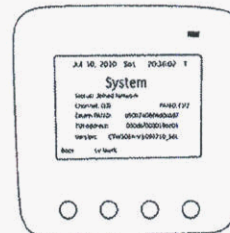
1. Select the System option from the Menu Screen.
2. The default status should be "No Network". The channel should display "Auto".
3. Press Button (2) to scan and join a network.
4. The status shall update and show "Joined Network" if it successfully connects to your utility meter. It will display "Joined Failed" if your connection was unsuccessful.



To Disconnect from a Network:

1. Select the System option from the Menu Screen.
2. "Lv Nwrk" appears on the screen. Press Button (2) to exit the network.

NOTE: PANID/Extern PANID/EUI Address/VERSION - are all codes that you may be asked to supply if you phone the utility company for technical support.



Settings Menu

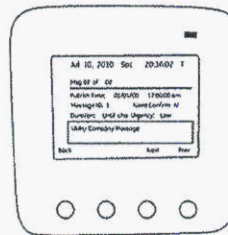
To change the LCD brightness:

1. Select the System option from the Menu Screen.
2. Press Button (2) to select "LCD Brightness". Use Button (3) or (4) to adjust the brightness of the LCD screen.

Messages

To view utility messages:

1. Press Button (3) while on the Home Screen to enter the Message screen. This screen displays a history of your last 64 messages. It lists the message ID and date/time for each message.
2. To view the actual utility message, press Button (3) or (4) to select the desired message and press Button (2) to view.
3. Press Button (3) or (4) to view additional utility messages.
4. To exit the message screen, press Button (1) to return to the list of messages. Press Button (1) again to return to the Home Screen.



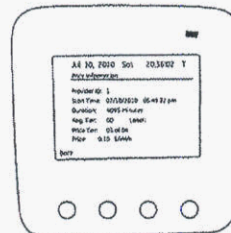
Understanding the Message Screen Information

Screen Message	Description
Msg 64 of 64	The number of the message you are viewing, followed by the number of total messages you have received.
Publish Time	The date and time the message was sent to you.
Message ID	The Message ID is a utility company generated identification number.
Duration	The energy saving event lasts for this period.
Urgency	The level of urgency can be "low", Medium", or "High"
Message Box	Your utility company may send you messages that appear in this message box.

Price

To view current price information:

1. Press Button (2) from the Home Screen to enter the Price screen. A description of the information displayed on this screen can be found in the below table.
2. Press Button (1) to return to the Home Screen.



Screen Message	Description
Provider ID	ID number correlates to the utility company.
Start Time	Date and time of the price information.
Duration	The length of time the price information relates to.
Price Tier	The Price Tier values range for 1 (the least expensive tier) to 6 (the most expensive tier).
Price	Price of kilowatt-hour.

REGULATORY INFORMATION

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment or devices.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult a dealer or experienced radio/TV technician for assistance.

FCC CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimetres between the radiator and your body.

ETL

This device must be connected to an ETL/UL Approved 5V DC adapter provided by manufacturer. Conditions for operating this device:

Location of Usage	Indoor and dry location
Adapter Operating Voltage	100 - 240 VAC
Adapter Operating Frequency	50/60 Hz
Operating Temperature	5° C to 40° C
Relative Humidity	Max. 90% RH non-condense
Altitude	Up to 2000 m
Pollution Degree	2

For installation, please refer to the installation section of this manual.

Place the device on a flat surface without any blockage so power can be easily disconnected.

This product has been tested to the requirements of CAN/CSA-C22.2 No. 61010-1, second edition, including Amendment 1, or a later version of the same

Limited Warranty for GE In-Home Display WARRANTY

Your use of the GE In-Home Display ("Hardware"), online product registration of the Hardware, or your return of the enclosed Registration Card acknowledges that you have read and agree to the terms of this warranty agreement. GE's warranty obligations for this Hardware are limited to the terms set forth herein.

GE warrants that this Hardware shall be free of defects in materials and workmanship under normal use for a period of one (1) year from the date of original retail purchase ("Warranty Period"). If a Hardware defect arises and a valid claim is received within the Warranty Period, your sole and exclusive remedy will be for GE, in its sole discretion and to the extent permitted by law, to (1) repair the Hardware defect at no charge, using new parts or refurbished parts that are equivalent to new in performance and reliability, (2) exchange the Hardware with Hardware that is new or refurbished that is equivalent to new in performance and reliability and is at least functionally equivalent to the original Hardware, or (3) refund the purchase price of the Hardware. Any repaired or replacement Hardware will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer. In order to receive the remedy set forth above, you must contact GE during the Warranty Period at 800-220-6899 and provide the model number, serial number, date of purchase and MAC ID number of the Hardware. Upon GE's determination that the Hardware should be returned to GE, return the Hardware and include with each returned Hardware (i) a copy of your original purchase invoice or receipt to verify your warranty; (ii) your name, address, and telephone number; and (iii) the Return Materials Authorization (RMA) number. You are responsible for properly packaging and shipping the Hardware to GE at your cost and risk.

In addition to the foregoing Hardware warranty, for a period of ninety (90) days from the date of original retail purchase, GE shall also provide telephone (800-220-6899) and web chat (www.gebrillion.com) technical support assistance.

Please note that the above warranty obligations of GE do not include any in-home installation or service.

Important: Do not open the Hardware. Opening the Hardware may cause damage that is not covered by this warranty. Only GE or a GE authorized service provider should perform service on this Hardware.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL, WRITTEN, STATUTORY, EXPRESS OR IMPLIED, AS PERMITTED BY APPLICABLE LAW, GE SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF GE CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTY AND TO THE REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY GE. No oral or written information or advice given by GE or a GE-authorized representative shall modify or extend this warranty. If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

Limited Warranty for GE In-Home Display (continues)

EXCLUSION OF IMPLIED WARRANTIES—This warranty applies only to the Hardware manufactured by or for GE that can be identified by the "GE" trademark, trade name, or logo affixed to it. This warranty does not apply to any non-GE Hardware or any software, even if packaged or sold with the GE Hardware. Software distributed by GE with or without the GE brand name (including, but not limited to system software) is not covered under this warranty. Refer to the End User Licensing Agreement accompanying the software for details of your rights with respect to its use.

GE does not warrant that the operation of the Hardware will be uninterrupted or error-free. GE is not responsible for damage arising from failure to follow instructions relating to the Hardware's use.

This warranty does not apply: (a) to consumable parts, such as batteries, or protective coatings designed to diminish over time unless failure has occurred due to a defect in materials or workmanship; (b) to cosmetic damage; (c) to damage caused by use with non-GE products; (d) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external causes; (e) to damage caused by operating the Hardware outside the permitted or intended uses described by GE; (f) to damage caused by service (including upgrades and expansions) not performed by GE, a GE-authorized service provider, or an authorized representative of GE; (g) to a Hardware or a part that has been modified to alter functionality or capability without the written permission of GE; (h) to defects caused by normal wear and tear or otherwise due to the normal aging of the Hardware; (i) if any GE serial number has been removed or defaced; or (j) to damage caused by or via the network on which the Hardware is used including, but not limited to, any online intrusion or attack.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, GE IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE OR ACTUAL OR ANTICIPATED PROFITS OR SAVINGS; LOSS OF, DAMAGE TO, COMPROMISE OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY AND ANY COSTS OF RECOVERING, PROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH THE GE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS, OR ANY STATUTORY LIABILITY FOR INTENTIONAL AND GROSS NEGLIGENT ACTS AND/OR OMISSION.

Warrantor: General Electric Company, Louisville, KY 40225

Specifications

LCD Screen Resolution	240 x 160
Backlight	LED
RF Frequency	2405-2480 MHz
RF Range	Up to 1300 ft (400 m) line of sight
Device Power Input	DC 5V
Adapter Input Voltage	100 - 240 VAC
Adapter Input Frequency	50/60 Hz
Size	4.2" (L) x 4.2" (W) x 1.1" (H) 10.6 (L) x 10.6 (W) x 2.8 (H) cm
Weight	0.63 lb (285 g)



March 2011

Dear Valued Customer:

FPL is seeking volunteers for a unique pilot program to help evaluate promising new in-home energy technology – and we invite you to participate. Your involvement could save you money on your monthly energy bills. And your feedback will assist us in exploring new ways to help our customers gain more control over the energy they use.

If you sign up for the FPL Home Energy Technology Program, we'll provide you with a free new "Home Energy Controller" – a \$1,000 value – and professional installation at no charge. The device will work in tandem with the smart meter on your home to provide you with more information about your energy use than ever before. It costs you nothing to participate in the program, and you may opt out at any time.

The home energy controller works as a personal energy assistant, helping you save energy and money on your electric bills without compromising your lifestyle. The easy-to-use technology can provide these important benefits:

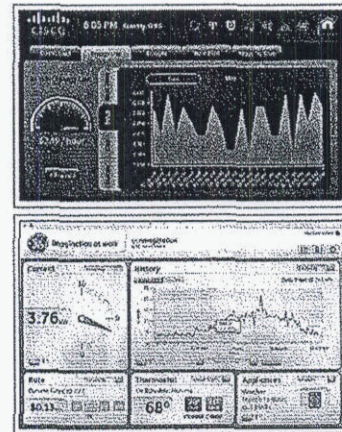
- **Fast energy feedback.** A touch-screen display will help you visualize how much electricity you use and what you pay for it – right now and throughout the month.* An energy "speedometer" enables you to see what it costs to power your home every hour of the day.
- **More control.** The home energy controller will help you manage the operation of your home's biggest energy user. Use it with your free new wireless thermostat and put your central cooling and heating on a schedule that suits your lifestyle. Just set it and forget it.
- **Budgeting assistance.** The home energy controller can track your energy use throughout the month and help you stay on budget.

FPL will provide a technician from Honeywell to install the technology and show you how to operate it. If you remain in the program for a year and complete a customer opinion survey in 2012, the home energy controller is yours to keep. More information about the FPL Home Energy Technology Program is enclosed.

Participation in the program is limited, so sign up today by calling 1-800-626-2062. Thanks for your consideration.

Sincerely,

Patrick Agnew
Technical Manager
FPL Home Energy Technology Program



Your free home energy controller's touch-screen display will help you visualize how much electricity you use (sample displays shown).

* The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill.

The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by giving us a call. However, FPL will have the right to recover all FPL-provided equipment if you discontinue participation less than one year after program enrollment.

FPL's Top 10 Energy Saving Tips

Cool and heat your home efficiently

1. Cool your home at 78 degrees or warmer with the thermostat fan switched to Auto. For additional savings, raise the thermostat to 82 degrees or warmer when you're away.
2. Heat your home at 68 degrees or cooler with the thermostat fan switched to Auto. To save even more, lower the thermostat to 65 degrees or cooler at bedtime or when you're away from home.
3. Reduce your water heater temperature from 140 degrees to 120 degrees, which is the recommended temperature setting according to the U.S. Department of Energy, to save about \$7 a month.
4. Clean or replace your air conditioner's filter regularly to help your unit run more efficiently and trim cooling costs.
5. Turn off your ceiling fan when you leave the room. A fan that runs all the time costs up to \$7 a month.

Control your water use

6. Use your dishwasher to conserve energy. Avoid pre-rinsing dishes to save up to \$70 a year.
7. Limit the time you run your pool pump:
 - Summer — six hours a day
 - Winter — four hours a day

Control your appliances

8. Adjust the water level on your washing machine to match the load size, especially when using hot water. Always use a cold rinse.
9. Clean the lint filter in your dryer before every load to dry your clothes faster and save money.
10. Use the auto sensor on your dryer to conserve energy by not over-drying your clothes.

Questions? Just call us at 1-800-626-2062



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Energy Control at Your Fingertips

FPL Home Energy Technology Program





Take Charge of Your Electric Bill

The FPL Home Energy Technology Program gives you exciting new technology to help manage your energy use and costs.

You're in control

Until now, electricity use has been "invisible" and hard to control. All that is about to change. FPL invites you to participate in a unique pilot program to help evaluate new energy control technology in your home. In addition to giving you more control over your monthly bills, your input will enable us to assess new ways to help our customers gain more control over the energy they use.

Participants in the FPL In-Home Technology Program will receive a free Home Energy Controller, which will give you fast insight into your energy use and costs. The technology is easy to use and delivers these key benefits:

- **Fast energy feedback.** A touch-screen display will help you visualize how much electricity you use and what you pay for it – right now and throughout the month.* An energy "speedometer" enables you to see what it costs to power your home every hour of the day.
- **More control.** The home energy controller will help you manage the operation of your home's biggest energy user. Use it with your free new wireless thermostat and put your central cooling and heating on a schedule that suits your lifestyle. Just set it and forget it!
- **Budgeting assistance.** The home energy controller can track your energy use throughout the month and help you stay on budget.

What you get

If you register for the program, you'll receive a free home energy controller (a \$1,000 value), a wireless thermostat and professional installation – all at no charge to you. The technology works in tandem with the smart meter on your home, putting the power to save into your hands. When you call to sign up, we'll schedule a time for a technician from Honeywell to install the technology in your home, make it operational and show you how to use it. Following installation, we'll have a team standing by if you have questions or need technical assistance. Participation is limited – call 1-800-626-2062 today to register.

Your savings will reflect your efforts

This in-home technology gives you convenient access to your energy data and fingertip control over your home's biggest energy user. See what it costs to run your household and the savings you could realize if you alter your energy habits. As always, your monthly bill will reflect how much electricity you actually consume.

You play a crucial role

Your feedback will help us evaluate new ways to give our customers more choices and more control over their energy use and costs. If you remain in the program for a year and complete a customer survey in 2012, the home energy controller is yours to keep.

Building a smarter electric grid

The FPL Home Energy Technology Program is part of Energy Smart Florida, FPL's smart grid initiative to build a stronger, smarter, cleaner electric infrastructure. The program is supported by an economic stimulus grant from the U.S. Department of Energy. Smart grid technologies help us keep service reliability high and give customers more information to better manage their energy use and costs, if they so choose. For more information about Energy Smart Florida, visit www.FPL.com/EnergySmart.

More About the FPL Home Energy Technology Program

Answers to Your Questions

What is the program about?

It's all about conserving energy and saving customers money. By placing this convenient new technology into your hands, we can learn about its potential to help you use energy more efficiently so you can live more affordably.

Is the technology really free?

Yes. All we ask is that you participate for a year and complete a customer survey in 2012.

How long will I be enrolled in the program?

If you use your home energy controller for a year and complete the 2012 customer survey, the device is yours to keep. If you discontinue prior to one year, we may recover the energy controller.

Will the technology automatically reduce my electric bills?

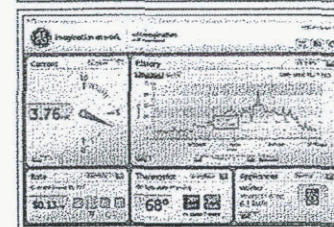
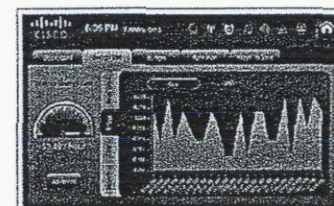
No, the device gives you information about your energy use and costs, as well as the ability to control your home's biggest energy user. These features enable you to make choices that could reduce your electricity use and monthly bills. Your bill will reflect how much energy you actually use during the billing cycle, which is the period of time between meter readings.

Will my electric bills be lower or higher?

That will depend on how much electricity you use and whether you make changes to your energy habits. Studies have shown that consumers who actively use an energy display save an average of about 7% on their electricity consumption. Use FPL's Top 10 Tips on the following page and see how much you can save.

What if I need assistance?

If you register for the FPL Home Energy Technology Program, we'll provide a technician from Honeywell to set up the technology in your home and show you how to use it. After that, we'll have a program team available if you have questions or need technical assistance. If there are any problems with the home energy controller, we'll assist you with obtaining repair or replacement of the device under the manufacturer's applicable warranty.



Your free home energy controller's touch-screen display will help you visualize how much electricity you use (sample displays shown).



Questions? Just call us at 1-800-626-2062

*The dollars shown on the display are a guide to your energy cost, but will not match your FPL bill. That's because the display tracks energy use by the calendar month, not by your FPL billing cycle (the period of time between meter readings), and does not include taxes and standard fees that are part of your monthly bill.



Welcome to the FPL Home Energy Technology Program

We're exploring ways to give customers more control over their energy use and costs, and your participation will help us evaluate new smart grid technology designed to do just that.

The free GE Nucleus with Brillion™ technology – a \$1,000 value – works in tandem with the smart meter on your home to provide you with these important benefits:

- » A touch-screen display will help you visualize how much electricity you use and what you pay for it – right now and throughout the month.* An energy "speedometer" enables you to see what it costs to power your home every hour of the day.
- » The home energy controller will help you manage the operation of your home's biggest energy user. Use it with your free new wireless thermostat and put your central cooling and heating on a schedule that suits your lifestyle. Just set it and forget it!
- » The home energy controller can track your energy use throughout the month and help you stay on budget.

The controller is convenient and easy to use. Once our technician from Honeywell helps you set the device to your preferences, just let the technology do the work for you. It costs you nothing to participate and you may opt out at any time. If you remain in the program for a year and complete a customer survey in 2012, the device is yours to keep.

More about the FPL Home Energy Technology Program is enclosed. Please consult the manufacturer's user guide for information about the home energy controller. If you have questions, just call **1-800-626-2062** for assistance.

We appreciate your participation in the program. Your involvement will provide us with valuable feedback as FPL continues to explore new ways to help our customers gain more control over the energy they use. Welcome aboard!

Sincerely,

Patrick Agnew
Technical Manager
FPL Home Energy Technology Program

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The FPL Home Energy Technology Program is a limited offer. Participation is free and voluntary. This program is subject to modification or cancellation at any time without notice. Changes in monthly electrical usage will vary depending on the actions you take. If for any reason you are not satisfied with the program, you may cancel at any time by giving us a call. However, FPL will have the right to recover all FPL-provided equipment if you discontinue participation less than one year after program enrollment.



Fact Sheet

FPL Home Energy Technology Program

Energy Control at your Fingertips

The FPL Home Energy Technology Program includes customers like you who have volunteered to evaluate new ways to control your energy use and costs made possible by our smart grid initiative. We're pleased to provide you with a free Home Energy Controller, an innovative device that may help you save energy – and money on your electric bills.

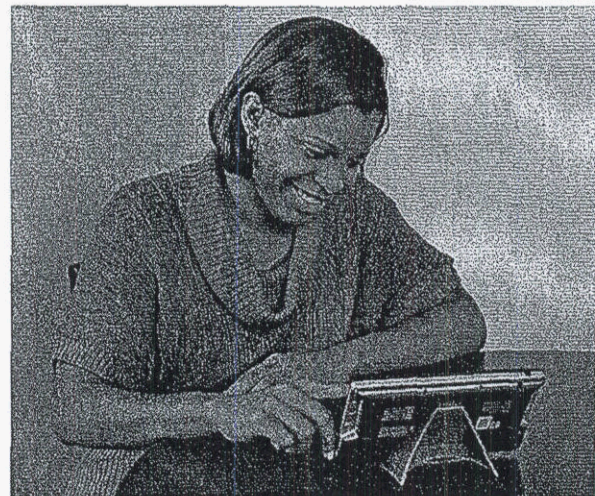
You're in Control: The GE Nucleus with Brillion™ technology, a \$1,000 value, works in tandem with the smart meter on your home to provide you with more information about your energy use and costs than you've ever had. The technology is easy to use and delivers these key benefits:

- » **Fast energy feedback:** The touch-screen display shows how much electricity you use and what you pay for it – right now and throughout the month.* A visual energy "speedometer" calculates what it costs to power your home every hour of the day.
- » **More control:** The home energy controller will help you manage the operation of your home's biggest energy user. Use it with your free new wireless thermostat and put your central cooling and heating on a schedule that suits your lifestyle. Just set it and forget it!
- » **Budgeting assistance:** The home energy controller can track your energy use throughout the month and help you stay on budget.

Your Savings Will Reflect Your Efforts: The home energy controller gives you convenient access to your energy use data and fingertip control over your home's biggest energy user. See what it costs to run your household – and the savings you could realize if you alter your energy habits. As always, your monthly bill will reflect how much electricity you actually consume during the billing cycle.

Getting Started: Once our technician from Honeywell has completed the installation and established a connection to the smart meter, your new home energy controller is ready to use. Our technician will help you get started. See the manufacturer's user guide for more information about the device and how to use it.

What We Ask of You: We request that you participate in the FPL Home Energy Technology Program over the next year. If you do that and complete a customer survey in 2012, the device is yours to keep. Of course, you may opt out at any time. We may occasionally communicate with you about the program during the year.

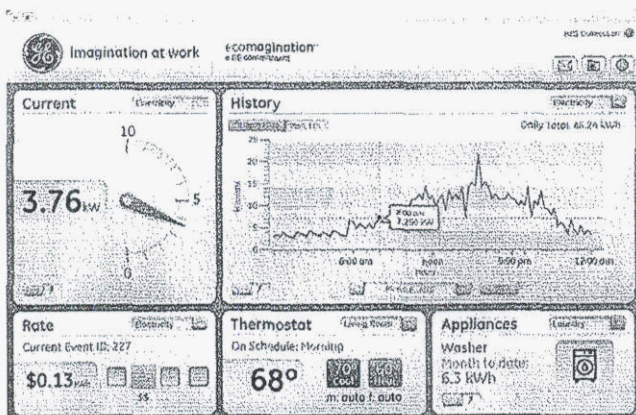


You Play a Crucial Role: Your feedback is important as we evaluate new ways to give our customers more choices and more control over the energy they use.

Building a Smarter Electric Grid: The program is part of FPL's smart grid initiative, Energy Smart Florida, and is supported by an economic stimulus grant from the U.S. Department of Energy. It is part of our commitment to build a smarter, stronger and cleaner electric infrastructure. Smart grid technologies will help us keep service reliability high while providing our customers with information to actively manage their energy use and costs, if they so choose. For more about Energy Smart Florida, visit www.FPL.com/EnergySmart.

Questions? Call 1-800-626-2062

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Top 10 Energy Saving Tips:

1. Heat your home at 68 degrees or cooler with the thermostat fan switched to auto. To save even more, lower your thermostat to 65 degrees or cooler at night or when you're away from home.
2. Cool your home at 78 degrees or warmer with the thermostat fan switched to auto. For additional savings, raise your thermostat to 82 degrees or warmer when you're away.
3. Reduce your water heater temperature from 140 degrees to 120 degrees, which is the recommended temperature setting according to the U.S. Department of Energy, to save about \$7 a month.
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5. Turn off your ceiling fan when you leave the room. A fan that runs all the time costs up to \$7 a month.
6. Use your dishwasher to conserve energy. Avoid pre-rinsing dishes to save up to \$70 a year.
7. Limit the time you run your pool pump:
Summer – six hours a day
Winter – four hours a day
8. Adjust the water level on your washing machine to match the load size, especially when using hot water. Always use a cold rinse.
9. Clean the lint filter in your dryer before every load to dry clothes faster.
10. Use the auto sensor function on your dryer to conserve energy by not over-drying your clothes.

Answers to Your Questions:

Q: Will the home energy controller automatically reduce my electric bills?

A: No, the device gives you information about your energy use and costs, as well as the ability to control your home's biggest energy user. These features enable you to make choices that could reduce your electricity use and monthly bills. Your bill will reflect how much energy you actually use during the billing cycle, which is the period of time between meter readings.

Q: Will my electric bills be lower or higher?

A: That will depend on how much electricity you use and whether you make changes to your energy habits. Studies have shown that consumers who actively use an energy display save an average of about 7% on their electricity consumption. Use FPL's Top 10 Energy Saving Tips on this page and see how much you can save.

Q: What do I receive in return for my participation?

A: The controller will help you monitor, manage and potentially reduce your energy use and costs. If you participate for a year and complete a customer survey in 2012, the device is yours to keep.

Q: What's my obligation?

A: We ask that you remain involved in the program over the next year and complete the customer survey in 2012. However, you may opt out at any time.

Q: Why doesn't the dollar amount on my display match my bill?

A: The controller tracks and displays your energy use by the calendar month, not by your FPL billing cycle. Also, the amount shown does not include taxes and standard fees that are part of your monthly bill.

Q: My friends are interested in a home energy controller—can they get one?

A: Not yet. This in-home technology is still new and is currently being evaluated in a limited number of randomly selected homes.

Q: What if I need assistance?

A: If you have questions or need technical help with the device, just call our program team at 1-800-626-2062. We'll be glad to assist you.

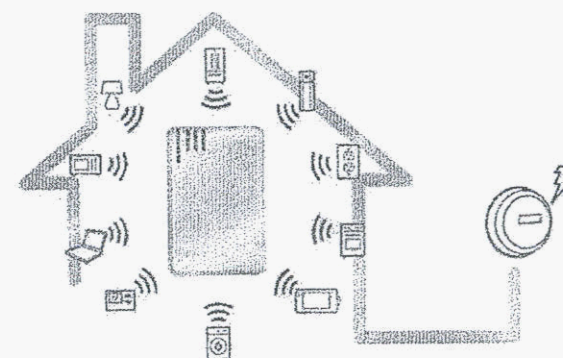
Questions? Call 1-800-626-2062

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nucleus™

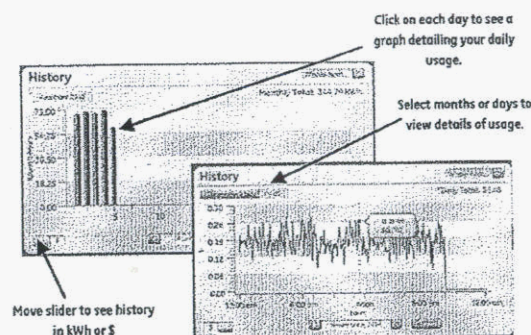
Insight | Convenience | Control



Nucleus energy manager with GE Brillion technology brings the promise of the Smart Grid into your home.

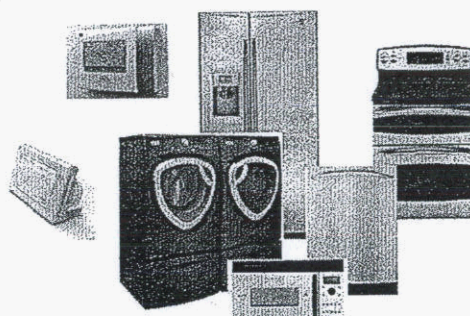
For more information visit us at:
www.gebrillion.com

The "history widget" will show you how much energy you used on a daily, monthly and yearly basis, and approximately how much it cost. Use it to understand your family's energy usage habits. By adjusting your major energy usage to low cost time periods you can reduce your energy bill.



Your Nucleus contains many helpful tools and tips. Explore your new energy manager, click the buttons, open the windows, learn how being a smarter energy consumer can help reduce your energy costs.

Your Nucleus will work with a variety of Brillion enabled products. Home energy displays, thermostats and smart appliances are designed to work with your smart meter helping you shift your energy usage to lower cost times of the day. For more information and to find out how others are using GE Brillion technology visit www.gebrillion.com.



GE has a policy of continuous improvement of its products and reserves the right to change materials, improve software and modify specifications without notice.



Using your Nucleus energy manager

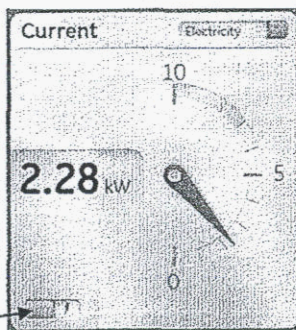
Cars use gallons of gasoline, your home uses electrical energy measured in kiloWatt hours (kWh). Using 1 kW (kilowatt) for 1 hour equals 1 kWh.

- A 100W light bulb used for an hour will use 1/10 of a kWh.
- An electric water heater used for an hour will use about 4.5 kWh.

Averaged nationally, each kWh costs you about a dime.

Your Nucleus energy manager "talks" with the new smart meter on your house, providing near-real time access to your energy information.

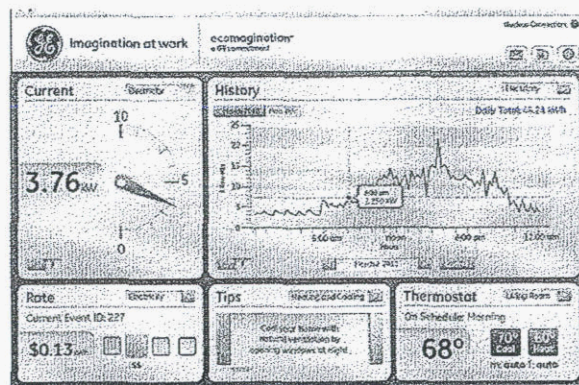
Your energy information is presented on the display in a series of boxes, that we call "widgets". The most basic widget shows your current energy consumption in both kW (kilowatts)



and by moving the slider, in \$ (dollars)*, showing how much you are spending for electricity on a per hour basis.

The display is a "touch" screen. Buttons can be accessed or details explored by either using your finger to touch the screen or by using the small stylus which is stored on the upper back, left corner of the display. Use your finger nail to pull the stylus out of it's holder. Do not use a pen or a pencil on the screen as it can damage the display.

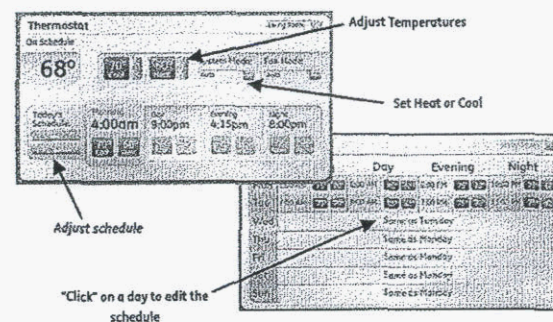
The "current energy" usage widget fits on the main screen with many other energy tools. In addition, important messages from your utility may periodically appear on this screen as well.



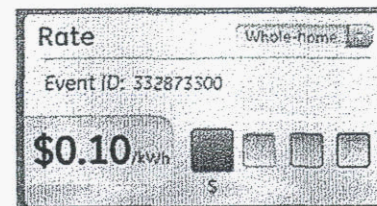
**The dollar amounts displayed are only an estimate of your actual costs. The displayed values do not contain taxes, surcharges and recovery fees added by your utility when they calculate your monthly bill.*

The thermostat widget allows for easy programming of your GE programmable thermostat. Temperatures can be adjusted on the thermostat, or on your display by "clicking" the up or down arrows.

By clicking on the "view schedule" button you can open up your weekly thermostat settings and can quickly edit them based upon your daily activities.



The "rate widget" shows approximately how much your electricity is costing per kW*. If the price changes during the day, the new price will be displayed and the rate color may change depending upon the price.





QUICK START GUIDE



Cisco Home Energy Controller

- 1 Introduction
- 2 The Home Screen
- 3 Viewing Your Energy Use
 - Setting a Budget
 - Viewing Past Energy Use
- 4 Automating Your Energy Use Using Mode Manager
 - Understanding Modes
 - Creating Your Automated Schedule
 - Changing Your Mode Schedule
 - Defining the Thermostat Settings and Smart Device Settings Used for Each Mode
 - Minimizing Vacation Energy Use
 - Using Savings Mode to Maximize Savings
- 5 Manually Controlling Your Thermostat and Smart Devices
 - Changing the Current Energy Mode
 - Manually Setting Your Thermostat
 - Manually Adjusting Smart Devices
- 6 Obtaining Documentation and Submitting a Service Request

1 Introduction

Welcome to the Cisco Home Energy Controller (Cisco HEC). The Controller and related smart devices (such as a smart meter) are installed by your utility. Once plugged in and powered up, you're ready to save energy.

This guide provides an introduction to viewing your energy use, automating your home's temperature, and taking control of the smart devices in your home.

2 The Home Screen


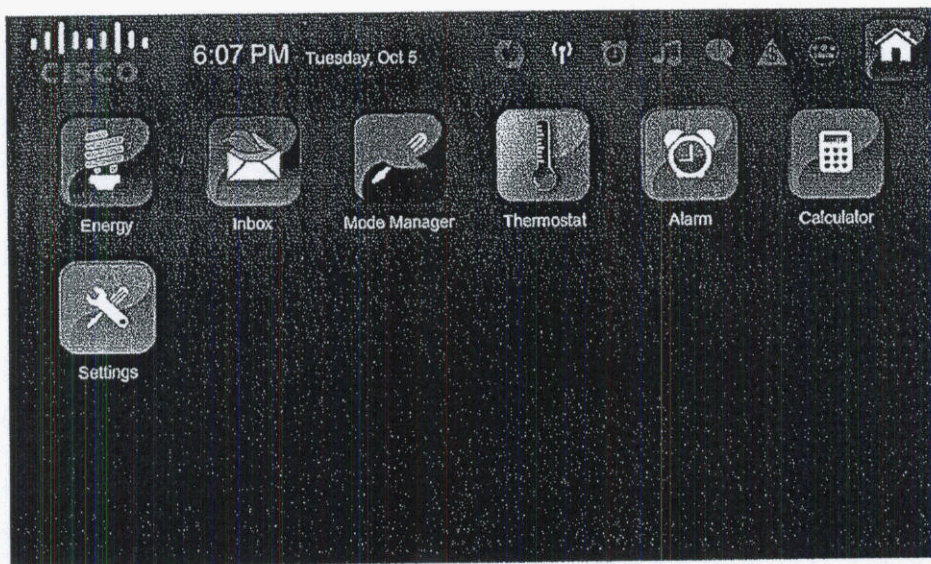
The Home screen (Figure 1) is your starting point for all energy-saving features. Each icon on the touchscreen is an application, and you can return to this screen at any time by tapping the Home  icon.

Figure 1 Home Screen



3 Viewing Your Energy Use


Tap the Energy  icon to view a summary of your energy use and cost:

Figure 2 Home Screen

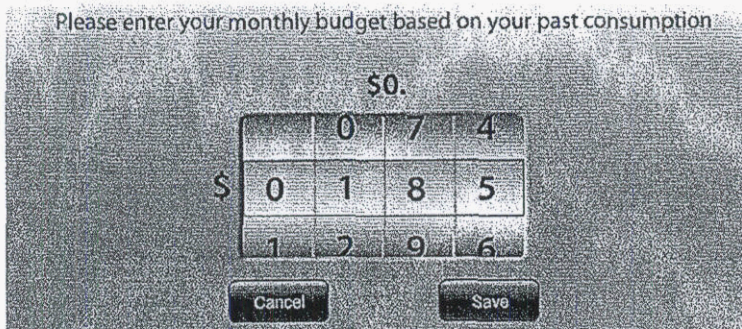


- Real Time Energy Cost—displays the cost of energy at that specific moment. If your device is new, the gauge may be blank at first.
- Electric Price—the price of electricity for each hour of the day. Times in red indicate peak-demand pricing or other rate changes.

Setting a Budget

To begin, tap the icon in the middle to define a budget. Spin the wheels shown in Figure 3 to enter the amount of your typical monthly electric bill.

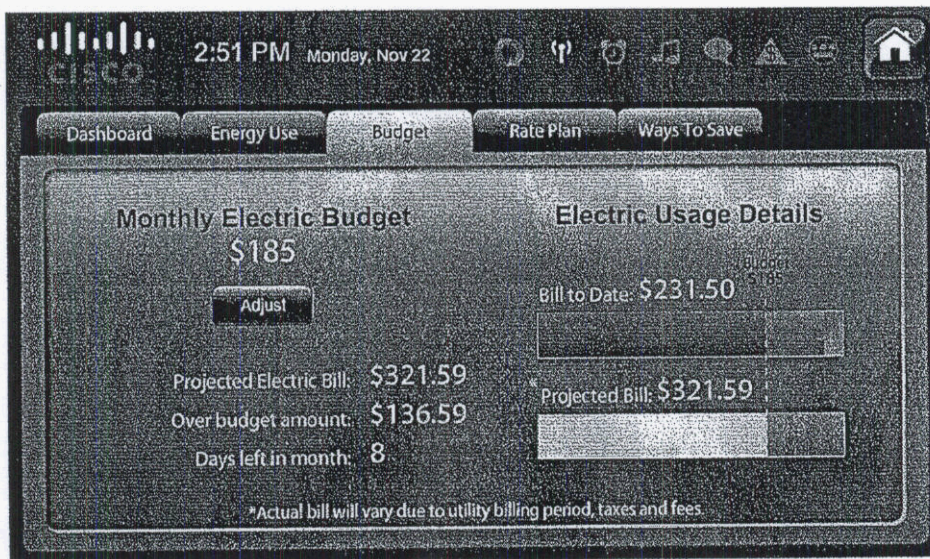
Figure 3 Defining a Budget



The screenshot shows a screen titled 'Please enter your monthly budget based on your past consumption'. Below the title is a numeric keypad with four columns of digits. The first column is labeled with a dollar sign '\$'. The digits are arranged in a grid: the top row has 0, 7, 4; the second row has 0, 1, 8, 5; the third row has 1, 2, 9, 6. Below the keypad are two buttons: 'Cancel' and 'Save'. The current value displayed is '\$0.'.

Tap Save and the Budget screen appears (Figure 4).

Figure 4 Budget Screen



The Budget screen summarizes your actual and projected energy cost:

- Bill to Date—the estimated cost of the electricity you have used in the current billing period.
- Projected Bill—an estimate of this calendar month's energy cost based on use so far.

The Monthly Electric Budget is the amount you entered. A red graph line indicates you will exceed that amount. Tap Adjust to change your budget goal.



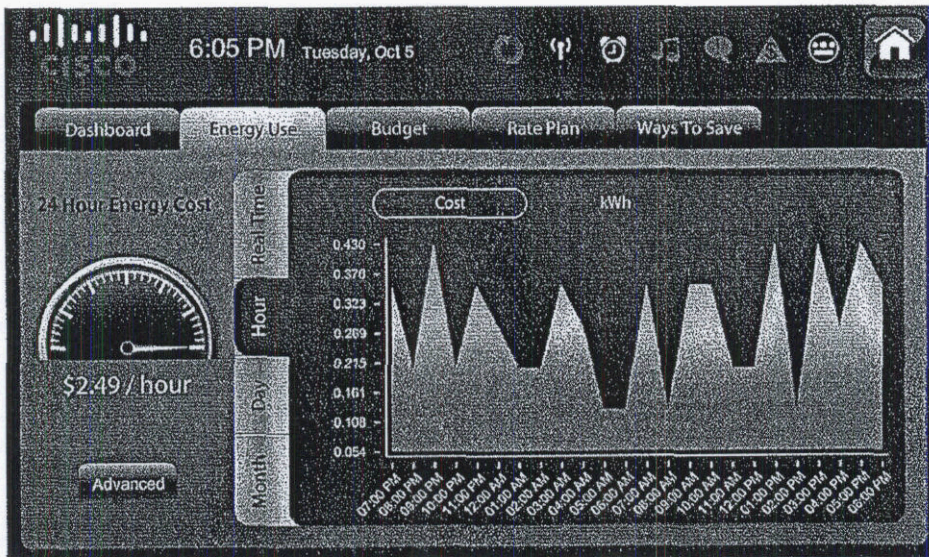
Tip

Tap the Ways To Save tab for tips to easily adjust your energy use and save money.

Viewing Past Energy Use

Tap the Energy Use tab to view energy use in real time, or for each hour, day or month.

Figure 5 Energy Use Screen



Tap a tab on the left side of the chart.

- Real Time—a chart of your real-time energy use.
- Hour—the energy you used during each hour of the previous day.
- Day—the energy you used during each Day of the month.
- Month—the energy you used during each Month of the year.



Note

Data may not be displayed when your device is new.



Tip

Tap Cost above the chart to view the cost of electricity, or tap Kwh to view the actual amount of kilowatt hours used. Your utility bill is determined by the kilowatt hours used and the cost (rate) of that electricity.

4 Automating Your Energy Use Using Mode Manager


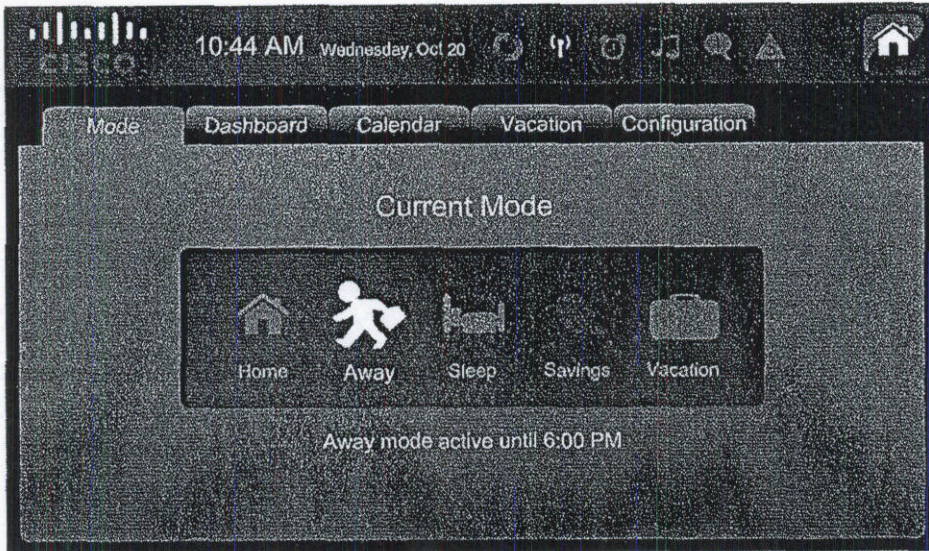
Modes are preset thermostat and smart device settings. Open the Mode Manager  application (Figure 6) to display the currently active mode (in white). Tap an icon to switch to a different mode and instantly adjust your thermostat and other smart appliances according to the mode settings.

Figure 6 Current Energy Mode








Tip The text under the icon tells you when the mode will change.

This section describes the meaning of each mode, and how to create a schedule to automatically change energy modes throughout the day.

Understanding Modes

Each mode defines the device and temperature settings a different purpose:

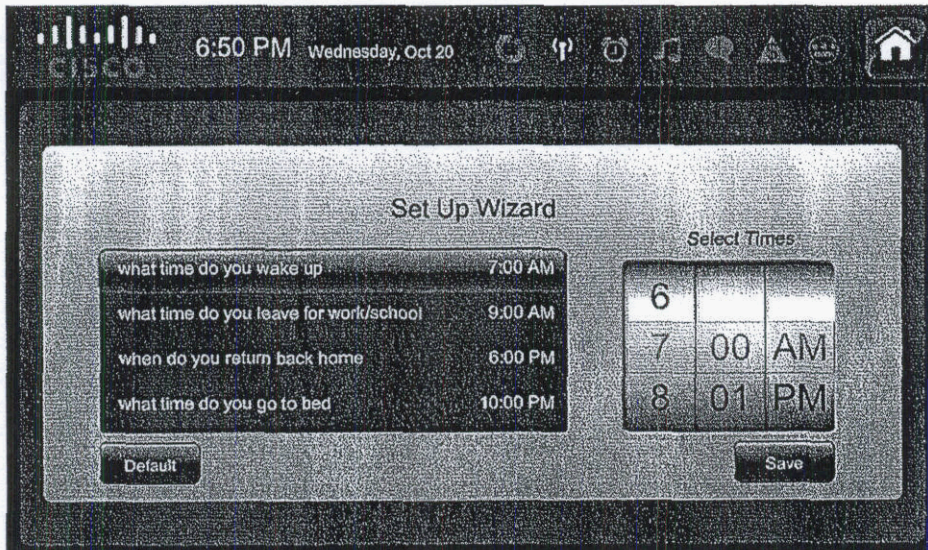
Mode		Purpose
Home		Applies comfortable temperature and device settings when you are home, such as when you wake up, return from work or school, or on the weekends.
Away		Applies settings to avoid unnecessary energy cost while you are away.
Sleep		Applies the comfort temperature you prefer while sleeping.
Savings		Reduces your energy use when electricity prices are high, or when you want to achieve maximum savings. See the “Using Savings Mode to Maximize Savings” section on page 12.
Vacation		Adjusts your thermostat and smart devices for the vacation days you define. The vacation settings are applied throughout the day and night to reduce unnecessary electricity use when you are away on vacation. See the “Minimizing Vacation Energy Use” section on page 10.

Creating Your Automated Schedule

The first time you access Mode Manager, the Set Up Wizard appears (Figure 7).

Step 1 Tap each entry and select the times you normally wake up, leave for work or school, return home, and go to bed.

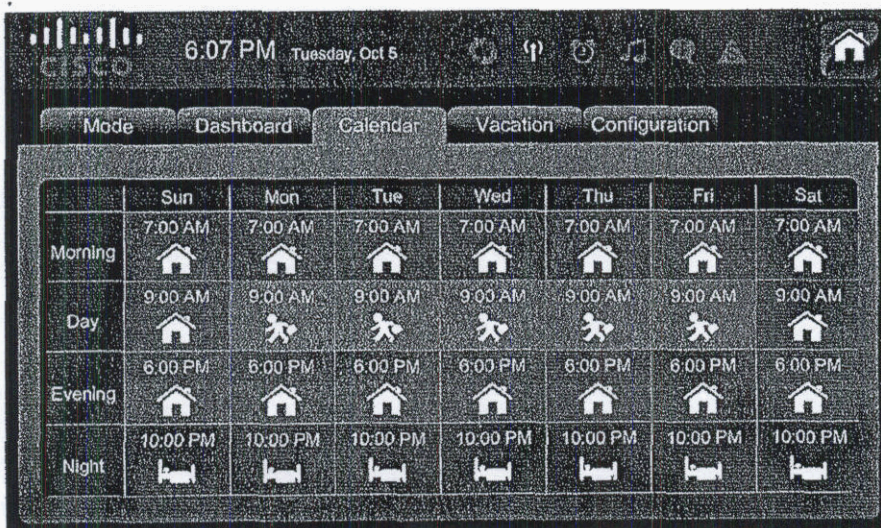
Figure 7 Setup Wizard for the Mode Manager



Step 2 Tap Save to save the settings.

The mode Calendar appears (Figure 8) and displays the times when energy modes are activated for each day of the week. For example, on Monday, the Away mode becomes active at 9 a.m. when you leave the house, and the Home mode becomes active at 6 p.m. when you return.

Figure 8 Weekly Energy Mode Calendar



Changing Your Mode Schedule

You can update your mode calendar anytime to change the times when modes become active, or change the modes used for each period of the day (morning, day, evening and night). For example, if you get up earlier on Monday, tap the Morning entry in the Monday column, enter 6 am, and tap Apply. The Home Mode will activate at 6 am every Monday.


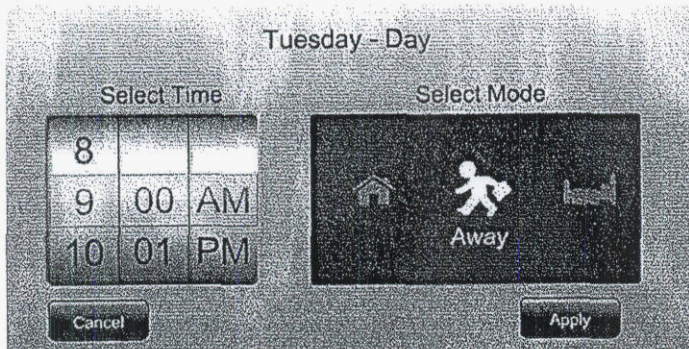
-
- Step 1** Open the Mode Manager  application and tap the Calendar tab, if necessary. See Figure 8.
- Step 2** Tap an icon for the day of the week you want to change.
For example, to change the time you leave the house on Monday, tap the Monday entry for Day.
- Step 3** Select a new time by spinning the Select Time wheel (Figure 9).

Figure 9 Select a New Mode and Time



- Step 4** (Optional) Choose a different mode by tapping on the icon that will be used for that time.
- Step 5** Tap Apply to save the changes.
- Step 6** (Optional) Repeat these steps to change the energy mode and activation time for additional days and times.



Tip To use the same energy mode throughout the day, repeat Step 2 through Step 5 and select the same mode for each time of the day. For example, select *Home* mode for morning, day and evening.

Defining the Thermostat Settings and Smart Device Settings Used for Each Mode

Use the Dashboard tab to define the temperature and other device settings for each energy mode, or to manually turn devices on or off.


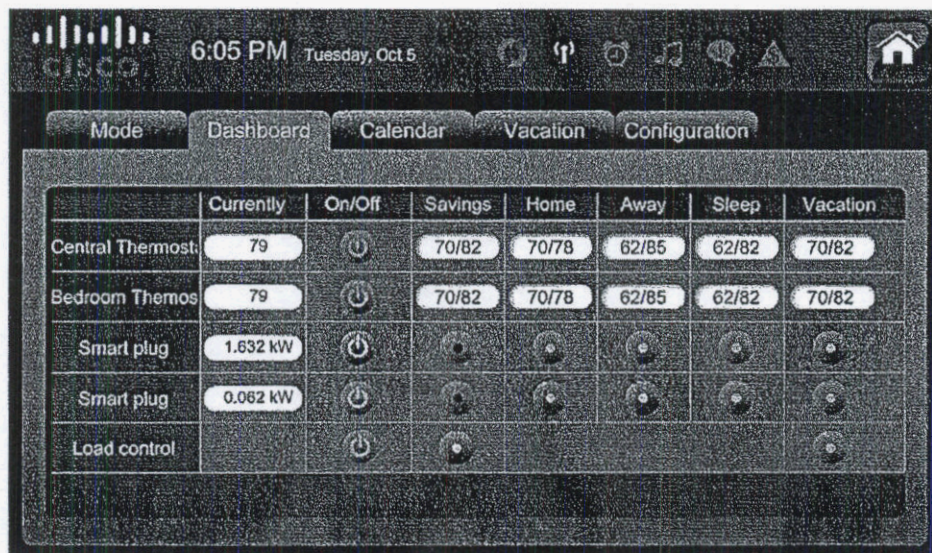
-
- Step 1** Open the Mode Manager  application, if necessary.
- Step 2** Tap the Dashboard tab (Figure 10).
The thermostats and other smart devices configured on your device are listed.

Figure 10 Device Dashboard

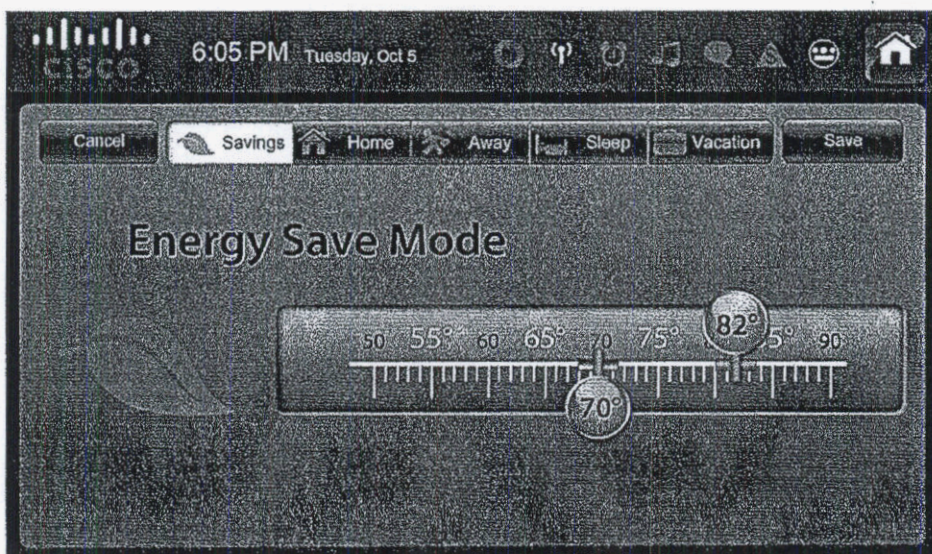


Note Devices shown in grey are unplugged, out of range, or otherwise unavailable to the system.

Step 3 To change the thermostat settings for one or more modes:

- Tap a temperature setting **70/82** to open the thermostat settings screen (Figure 11) and adjust the high and low temperature for that mode.




Figure 11 Temperature Settings




- (Optional) Tap the tabs along the top to adjust the temperatures for the other modes using this same screen.
- Tap Save when you are done.
- Repeat these steps to adjust the temperatures for other modes, if necessary.






Tip

To manually adjust a thermostat, tap the On/Off icon  to open the thermostat controls and change the current temperature. The icon is blue  when the cooling system is on, and red  when the heat is on. See the “Manually Setting Your Thermostat” section on page 14 for more information.

Step 4

To define if a smart device is on or off when a mode is active, tap the On/Off icon  to change the icon color (see Figure 10 on page 9).

- A green icon  means the device will be on when the mode is active.
- A gray icon  means the device will be off when the mode is active.

For example, to turn a device on when you are home, tap the icon under the Home column to turn it green .





Note

Smart plugs are wireless devices that can control a lamp or any other electrical device plugged in to the smart plug. Load controllers are used for high capacity devices, such as a pool pump, to turn those devices on or off. Wall routers are devices that extend the range of your wireless network. Wall routers are plugged into a standard electrical socket and cannot be turned on or off.



Tip

To manually control a device, tap the On/Off icon. The device is on when the icon is green  and off when the icon is gray .



Note

Whether or not a thermostat is turned OFF from the application or locally, if you turn it back ON to HEAT or COOL from the application, the application will assert the proper target temperature for the current mode. If you turn the thermostat ON to HEAT or COOL locally, the thermostat sets its own preset temp of 70 for HEAT or 75 for COOL and the application will see that as an over-ride.




Note

So, if a user turns off the thermostat, they need to either turn it back on when ready from the App or if they turn it on locally they need to set the target temp they want at that time.

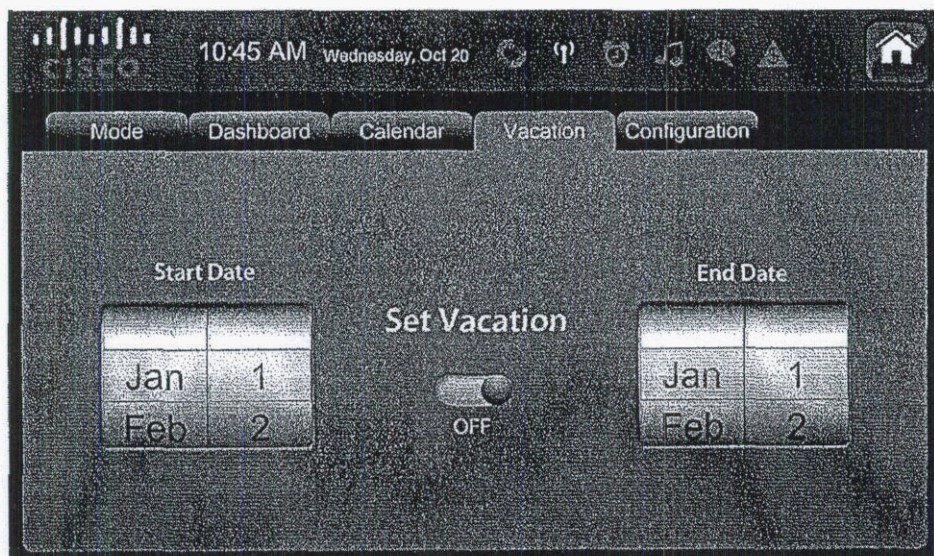
Minimizing Vacation Energy Use

If you will be away from home for an extended period, use the Vacation tab to override your normal energy schedule. Your Vacation settings will be applied through the day and night to minimize your energy expenses while you are gone.

Step 1 Open the Mode Manager  application, if necessary.

Step 2 Choose the Vacation tab (Figure 12).

Figure 12 Vacation Mode



Step 3 Choose the Start Date and End Date of your vacation.

The vacation energy settings will be applied for all hours of each date selected. For example, if you choose July 1 through July 8, vacation mode will be applied from 12:00 am on July 1 through 11:59 pm on July 8.

Step 4 Slide the Set Vacation button to On.

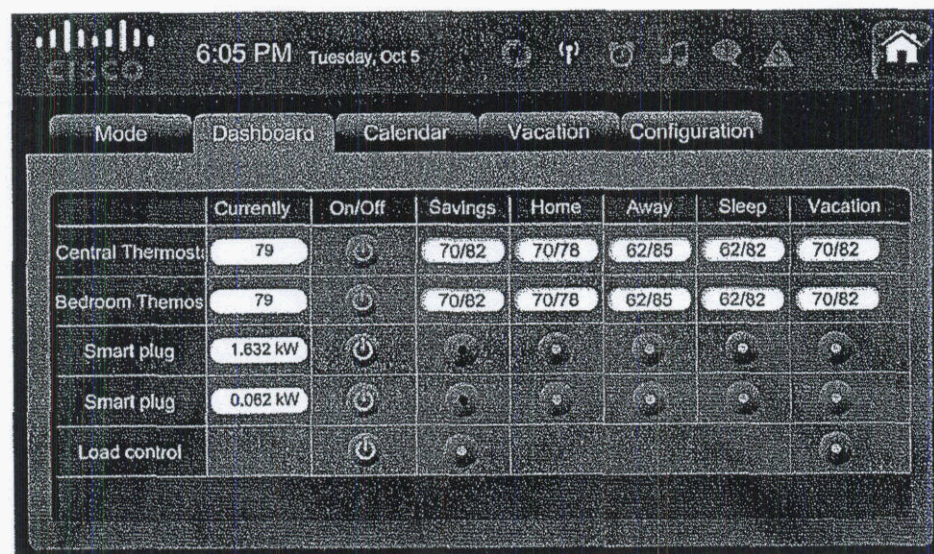


Note

Vacation mode is only used if the setting is On. To disable vacation mode for the selected dates, change the Set Vacation button to Off.

Step 5 Tap the Dashboard tab (Figure 13).

Figure 13 Device Dashboard



Step 6 Change the device settings and thermostat temperatures that will be applied during the vacation days.

- For example, tap a thermostat entry in the Vacation column to define the temperature that will be used when the Vacation mode is active.
- See the “Defining the Thermostat Settings and Smart Device Settings Used for Each Mode” section on page 8 for more information.



Tip

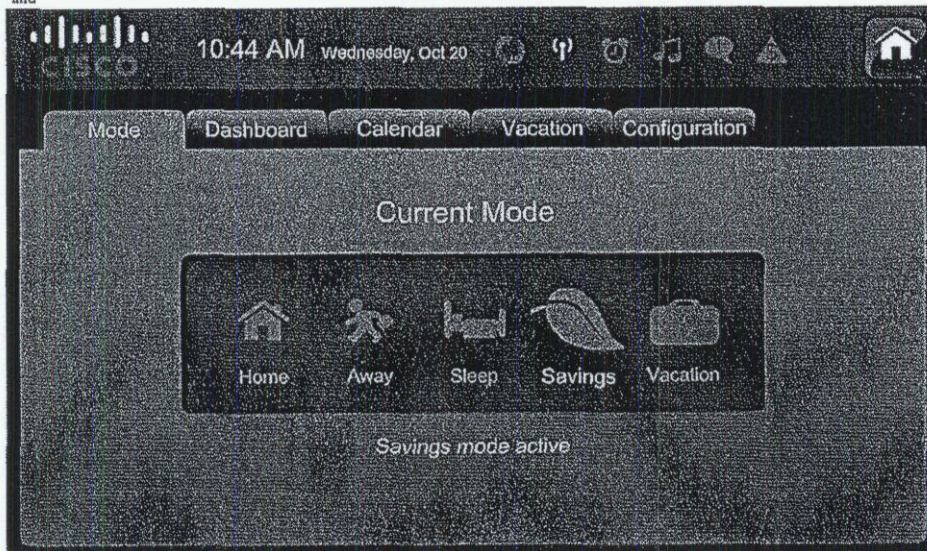
Your pool pump needs to keep working — even when you take vacation. When setting Vacation Mode, be sure your pool pump is allowed to run on its normal schedule.


Using *Savings* Mode to Maximize Savings

Use the Savings mode to minimize your energy use and maximize your savings (Figure 14).

Figure 14 Savings Mode

and



Step 1 Open the Mode Manager  application.

Step 2 Tap the Dashboard tab and define the temperature and smart device settings for the Savings mode.
See the “Defining the Thermostat Settings and Smart Device Settings Used for Each Mode” section on page 8.

Step 3 (Optional) Choose the Mode tab and tap the Savings icon  (Figure 7 on page 7) to override the current energy mode.

5 Manually Controlling Your Thermostat and Smart Devices

To quickly override your automatic energy settings, do one of the following:

- Changing the Current Energy Mode, page 13—quickly switch between energy modes. The modes define the temperature of your home, and whether other smart devices are on or off.

- Manually Setting Your Thermostat, page 14—override the automatic energy settings for your heating and air conditioning system.
- Manually Adjusting Smart Devices, page 15 —immediately turn smart devices such as lamps or pool pumps on or off.

Changing the Current Energy Mode

To immediately switch to a different pre-defined energy mode, open the Mode Manager and choose a new mode.


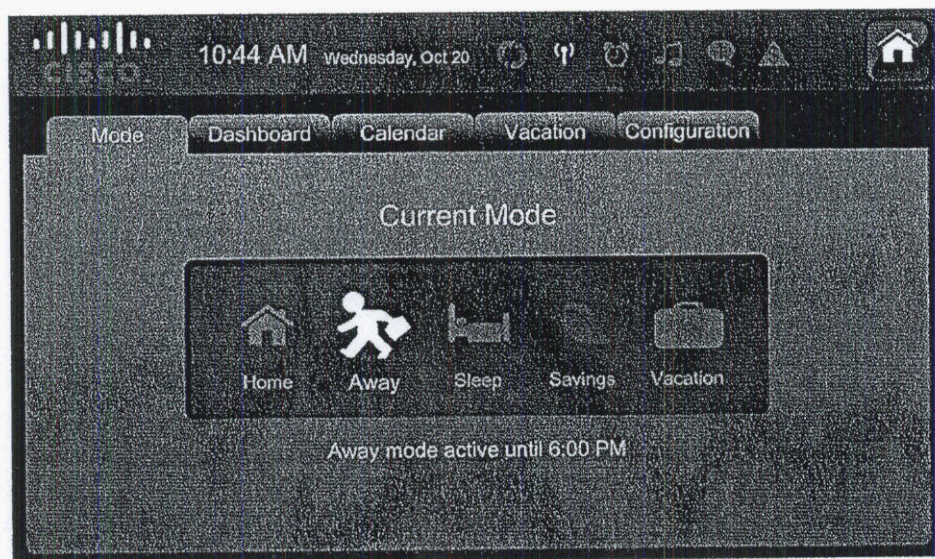





- Step 1** Open the Mode Manager  application.
The Current Mode is displayed by default (Figure 15).

Figure 15 Your Current Energy Mode



- Step 2** Tap an icon to immediately switch to a different energy mode.
The options are:

Mode		Description
Home		Applies comfortable temperature and device settings when you are home, such as when you wake up, return from work or school, or on the weekends.
Away		Applies settings to avoid unnecessary energy cost while you are away.
Sleep		Applies the comfort temperature you prefer while sleeping.
Savings		Reduces your energy use when electricity prices are high, or when you want to achieve maximum savings. See the “Using Savings Mode to Maximize Savings” section on page 12.
Vacation		Adjusts your thermostat and smart devices for the vacation days you define. The vacation settings are applied throughout the day and night to reduce unnecessary electricity use when you are away on vacation. See the “Minimizing Vacation Energy Use” section on page 10.



Note

- The active icon appears in white, and remains active until the next scheduled mode becomes active. The text under the icons tells you when the energy modes will change (for example: Away Mode active until 10:00 PM).
- See the “Changing Device Temperatures and Settings for Each Mode” section on page 31 for more information.

Manually Setting Your Thermostat


Use the Thermostat  application to override your automatic settings and manually set the temperature for your home (Figure 16). The Thermostat can control HVAC systems, furnaces, heat pumps, or any heating/cooling device connected to the thermostat.

Figure 16 Thermostat Application



Tip

By default, manual thermostat settings stay in effect until the next scheduled energy mode becomes active. Tap Hold to maintain the current temperature and override scheduled energy mode changes.



Tip

The mode icon indicates the currently applied energy mode when lit. For example, Away means that the Away settings are currently applied. See the “Changing the Current Energy Mode” section on page 13 for more information.


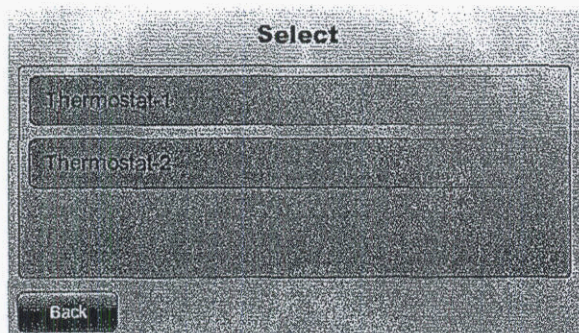
- Step 1** Open the Thermostat  application (Figure 16).
- Step 2** (Optional) If more than one thermostat is configured, select the correct thermostat.
- Tap the Thermostat button (Figure 17).
 - Select the thermostat name and tap the Back button (Figure 17).


Figure 17 Select a Thermostat Name



Step 3 Slide the circular temperature guide to the desired temperature.

The temperature remains active until your next scheduled energy mode begins (see the “Understanding Energy Modes” section on page 30).

Step 4 Tap one or more of the optional settings:

- Tap **Settings** to adjust the settings for energy modes. See the “Changing Device Temperatures and Settings for Each Mode” section on page 31 for more information.
- Tap **Hold** to maintain the current temperature even if a new energy mode is scheduled. Tap **Hold** again to enable the mode schedule.
- Tap **Off** (under **Status**) to turn off all heating and A/C systems. Tap **Heat** or **Cool** to turn them back on.
- Use the **Fan** settings to turn the fan **On**, or choose **Auto** to run the fan in automatic mode. The fan icon  is white when the fan is running.
- Tap the lock icon to prevent any further changes to the thermostat settings. Press and hold unlock for a few seconds to unlock the icon.




Note

Tapping the lock icon will simply lock the screen, thus child-proofing it. It does not prevent thermostat settings from changing if the energy mode changes.

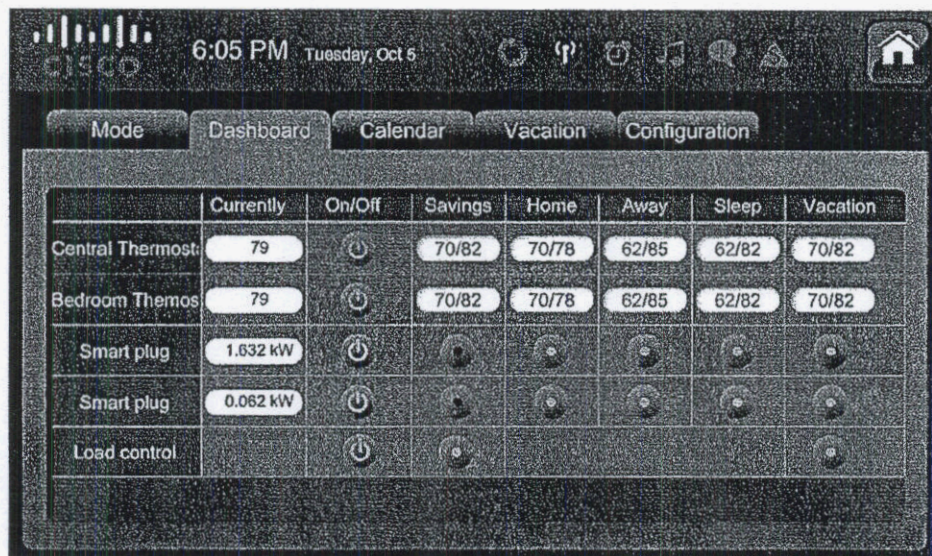
Manually Adjusting Smart Devices

To manually turn smart devices on or off, do the following:

Step 1 Open the Mode Manager  application.

Step 2 Tap the Dashboard tab (Figure 18).

Figure 18 Mode Manager Dashboard



Step 3 Tap the On/Off icon next to the device to turn the device on or off.

- A device is *On* when the icon is green [On/Off Icon].
- The device is *Off* when the icon is gray [On/Off Icon].



Tip

To change the mode settings, see the “Automating Your Energy Use Using Mode Manager” section on page 6.

6 Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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PSHS6YGX

GE Profile™ 25.5 Cu. Ft. Side-By-Side Refrigerator

Dimensions and Installation Information (in inches)

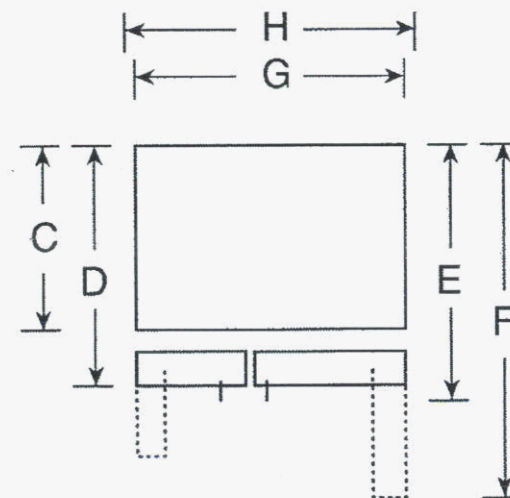
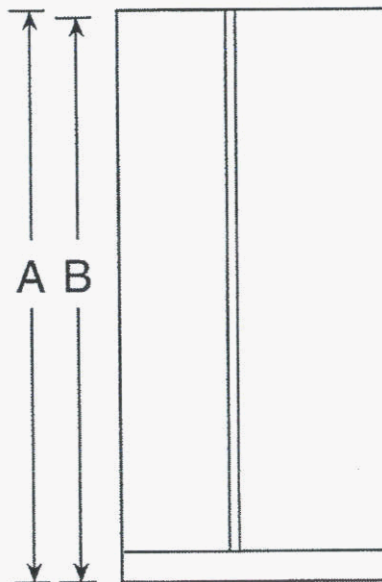
Overall Dimensions	Height to top of hinge (in.) A	69-3/8
	Height to top of case (in.) B	68-3/4
	Case depth without door (in.) C†	28
	Case depth less door handle (in.) D†	32-3/8
	Case depth with door handle (in.) E†	35
	Depth with fresh food door open 90° (in.) F†	50-1/8
	Width (in.) G	35-3/4
	Width with door open 90° inc. door handle (in.) H	43-1/2
Air Clearances	Each side (in.)	1/8
	Top (in.)	1
	Back (in.)	1

†Water hook-up fits in back air clearance when calculating installation depth.

If installed against a wall, allow clearance of 14-3/16" on freezer side to remove bin. To remove fresh food pans, remove door bins.

Clearance required to remove fresh food full-size pan without disassembling is 18-15/16".

Allow additional space for any necessary leveling adjustments.



Top View

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As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Revised 5/08

210367

PSHS6YGX

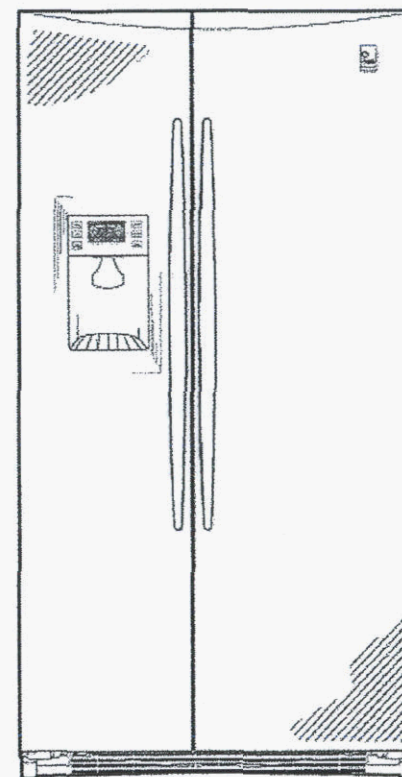
GE Profile™ 25.5 Cu. Ft. Side-By-Side Refrigerator

Features and Benefits

- Stainless Steel with Top Bevel - Provides a striking finish to accentuate kitchen décor that includes contoured doors with a concealed hinge
- ClimateKeeper2™ System - Keeps food garden fresh longer, while protecting ice from odor transfer, with its unique dual-evaporator system
- LED Lighting - Casts a clean, beautiful light throughout the fresh food area of the refrigerator
- Color LCD Controls with Touch Screen - Makes it easy to control all the functions of the refrigerator with just a touch
- Integrated Dispenser with LED Lighting, PreciseFill & UltraFlow100 - Illuminates the dispenser and pours water in accurate increments or up to 100 ounces per minute
- QuickFreeze Setting - Provides faster, fresher freezing to maintain the flavor and quality of meats
- Electronic Beverage Center - Keeps beverages and treats icy cold and easily accessible
- CustomCool™ Technology - Chills in minutes, thaws in hours and keeps foods fresher, longer
- Slide 'n Store™ Full-Extension Freezer Baskets - Extends 12" to 16" beyond the cabinet, providing easy loading and unloading
- Quick Ice™ Option - Makes ice up to 50% faster than normal settings-ideal for entertaining
- TurboCool™ Setting - Cools the refrigerator quickly after frequent door openings
- Integrated Ice™ System - Frees up valuable freezer space; it tilts down, providing easy access to bulk ice
- Tilt-Out Freezer Door Bins - Move forward for convenient access
- Integrated Shelf Support System - Provides strong, yet flexible support
- Model PSHS6YGXSS - Stainless steel



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Specification Revised 5/08

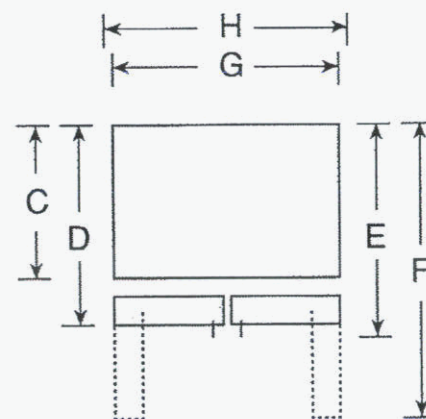
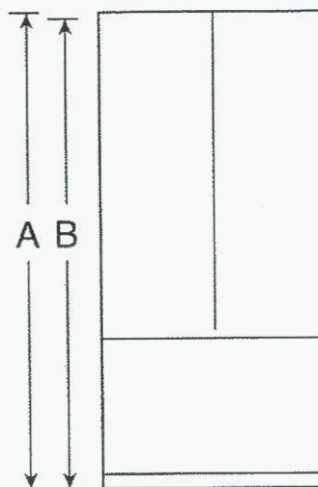
210367

PFSS5PJX

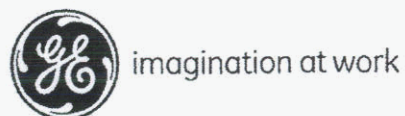
GE Profile™ 25.1 Cu. Ft. Bottom-Freezer Refrigerator

Dimensions and Installation Information (in inches)

Overall Dimensions	Height to top of hinge (in.) A	69-5/8
	Height to top of case (in.) B	69
	Case depth without door (in.) C	28
	Case depth less door handle (in.) D	32-5/8
	Case depth with door handle (in.) E	35-1/8
	Depth with fresh food door open 90° (in.) F	47-5/8
	Width (in.) G	35-7/8
	Width with door open 90° inc. door handle (in.) H	44
Air Clearances	Each side (in.)	1/8
	Top (in.)	1
	Back (in.)	1



For answers to your Monogram,® GE Profile™ or GE® appliance questions, visit our website at ge.com or call GE Answer Center® service, 800.626.2000.



As an ENERGY STAR® partner, GE has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Specification Revised 4/08

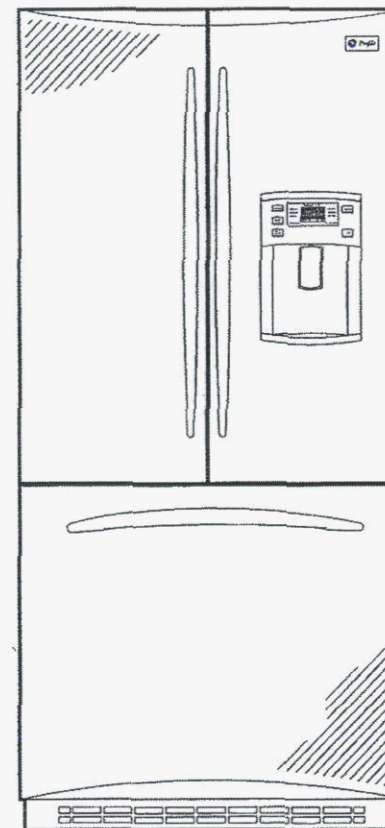
210872

PFSS5PJX

GE Profile™ 25.1 Cu. Ft. Bottom-Freezer Refrigerator

Features and Benefits

- Stainless-Steel Doors with Top & Bottom Bevels - Provides a striking finish and contoured doors to accentuate kitchen decor
- External Water Dispenser with Actual Temperature Display and Child Lock - Provides fresh water, displays the actual temperature setting and locks to prevent unwanted use
- ClimateKeeper™ Temperature Management System - Digital controls and electronic sensors give you a greater degree of control over food preservation
- LED Lighting - Casts a clean, beautiful light throughout the fresh food area of the refrigerator
- Factory-Installed Icemaker with Water Filtration System - Automatically creates fresh, filtered ice cubes
- Freshness Center™ - Offers maximum convenience by utilizing two humidity-controlled drawers and 1 full-length adjustable temperature deli drawer
- Multi-Level Slide 'n Store™ Basket System - Includes three full-extension baskets for tremendous storage flexibility and keeps contents perfectly in place
- Condiment Bin and Beverage Rack - Provides convenient storage for canned drinks and condiments
- QuickSpace™ Shelf - Quickly slides out of the way to make room for tall items
- TurboCool™ Setting - Cools the refrigerator quickly after frequent door openings
- Secure-Close Door System - Securely pulls the door shut, even after you release the handle
- Adjustable Spillproof Glass Shelves - Raised edges help contain spills to make clean up quick and easy
- Adjustable Gallon Door Bins - Provides additional storage space for milk and other gallon-size containers
- Model PFSS5PJXSS - Stainless steel



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Specification Revised 4/08

210872

PDW9900/9980N

GE Profile™ Dishwasher with SmartDispense™ Technology

Dimensions and Installation Information (in inches)

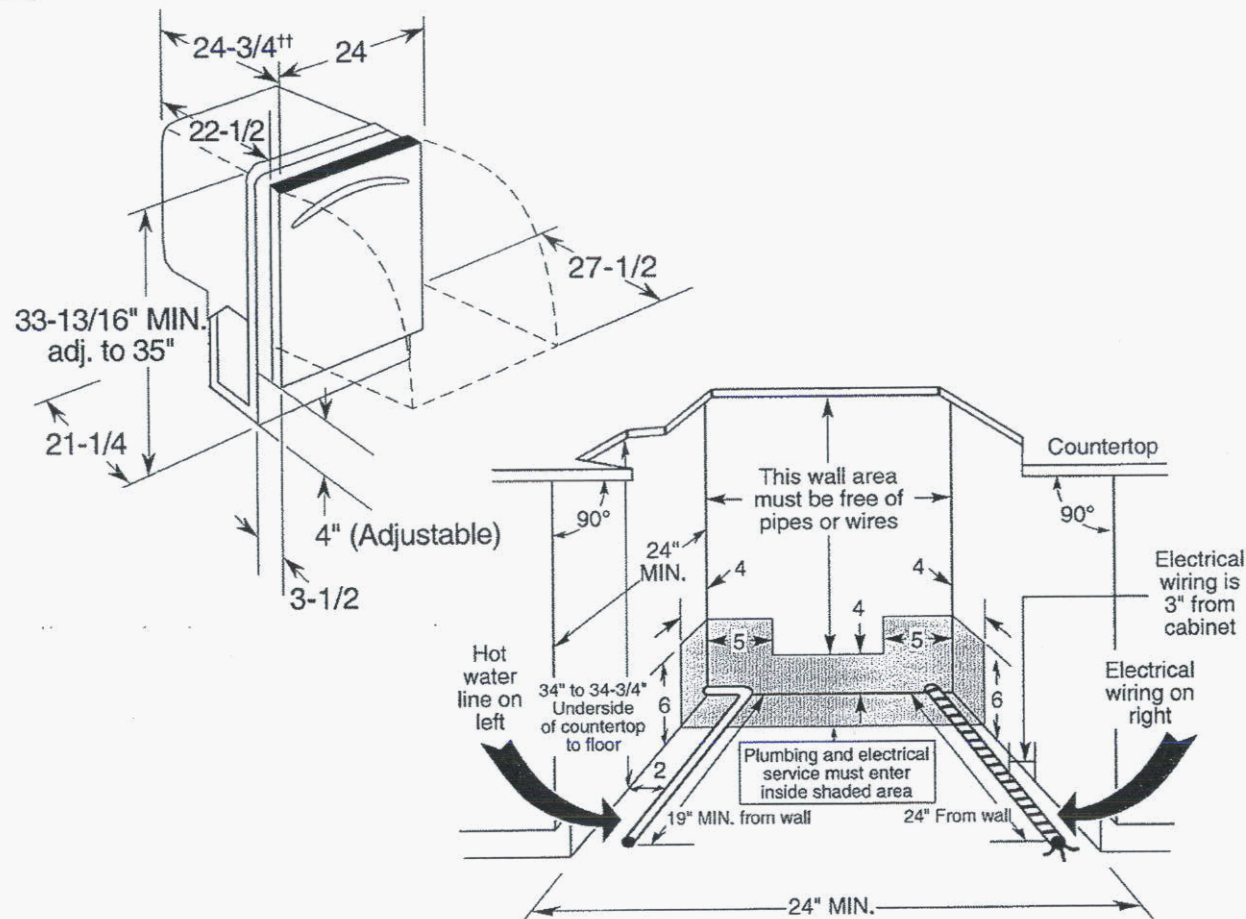
Electrical Rating

Voltage AC.....	120
Hertz.....	60
Total connected load amperage.....	9.1
Calrod® heater watts max.....	875

For use on adequately wired 120-volt, 15-amp circuit having 2-wire service with a separate ground wire. This appliance must be grounded for safe operation.

Installation Information: Before installing, consult installation instructions packed with product for current dimensional data.

†† Add 1/2" for deepest part of contour door. Allow an additional 2" for the handle on PDW9900/9200 Series models.



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Specification Created 6/06

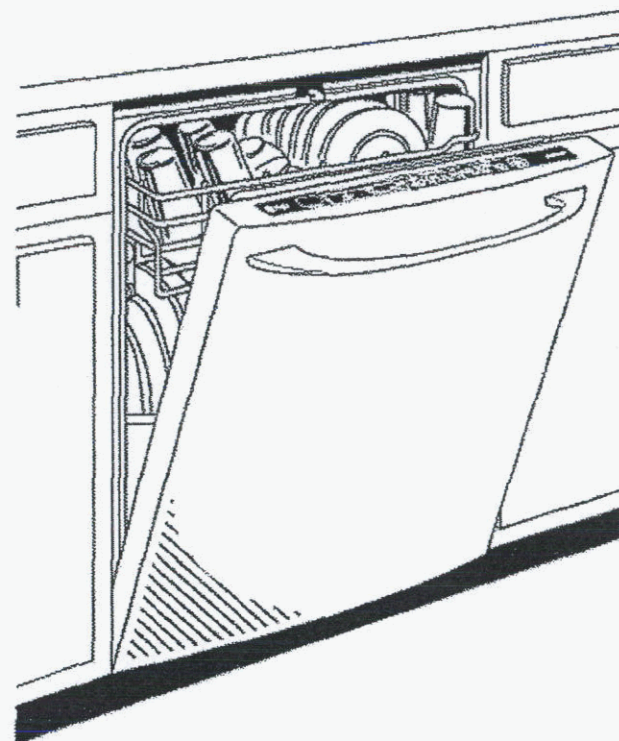
250215

PDW9900/9980N

GE Profile™ Dishwasher with SmartDispense™ Technology

Features and Benefits

- SmartDispense™ Technology - Holds an entire bottle of liquid automatic dishwasher detergent, dispensing the right amount based on water hardness and soil levels to get dishes incredibly clean
- Angled Rack Dry™ System - Features tines that gently angle cups, mugs and dessert glasses so water runs right off
- Single Rack Wash™ Selection - Perfect for smaller loads or for cleaning glasses only, washing just the upper rack of dishes using less water and energy
- QuietPower™ 7 Sound Package - Our quietest dishwasher ever with extremely quiet components and a hidden vent that seals in sound during the wash cycle
- Countdown Display with 1-24 Hour Delay Start - Signals remaining cycle time and starts the dishwasher when no one's home or during off peak hours when utilities are at reduced rates
- 100% Fold-Down Tines and Adaptable Bowl Tines in Lower Rack - Flip up to hold bowls, or flip down to provide maximum loading flexibility in the lower rack
- SpeedCycle™ Selection - Cuts the length of the normal cycle in half, effectively washing and drying lightly soiled dishes in about 45 minutes or less
- Model PDW9980NSS - Stainless steel (shown)
- Model PDW9900NWW - White on white
- Model PDW9900NBB - Black on black



imagination at work

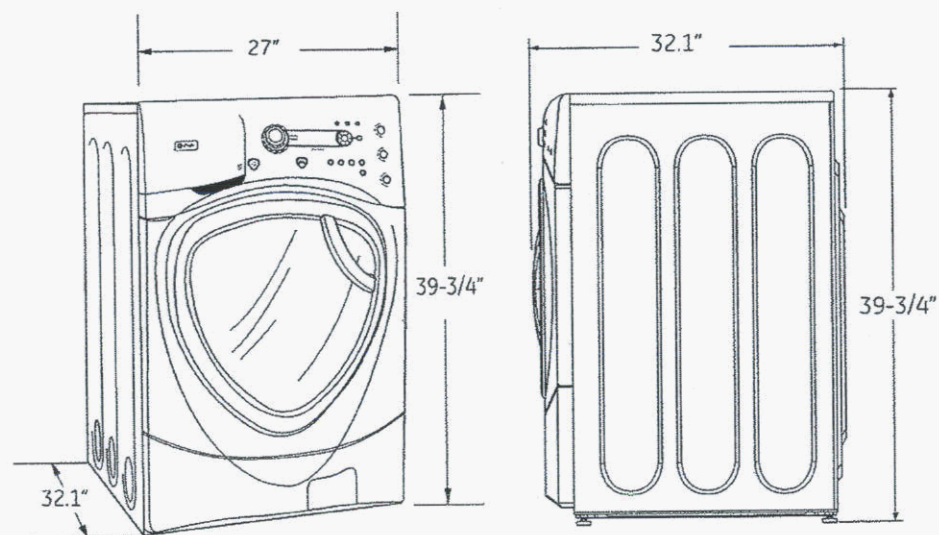
WPDH8800J

GE Profile™ ENERGY STAR® 4.2 IEC Cu. Ft. Colossal Capacity Frontload Washer

Dimensions and Installation Information (in inches)

Electric Rating	
120V	12.0A, 60Hz

Installation Information: For complete information, see installation instructions packed with your washer.



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Specification Revised 8/08

260187

WPDH8800J

GE Profile™ ENERGY STAR® 4.2 IEC Cu. Ft. Colossal Capacity Frontload Washer

Alcove or Closet Installation:

- If your dryer is approved for installation in an alcove or closet, it will be stated on a label on the dryer back.
- The dryer MUST be exhausted to the outside.
- Minimum clearances between dryer cabinet and adjacent walls or other surfaces are: 0" either side, 3" front and rear
- Minimum vertical space from floor to overhead cabinets, ceilings, etc. is 52".
- Closet doors must be louvered or otherwise ventilated and must contain a minimum of 60 sq. in. of open area equally distributed. If this closet contains both a washer and a dryer, doors must contain a minimum of 120 sq. in. of open area equally distributed.
- No other fuel-burning appliance shall be installed in the same closet with a gas dryer.

Bathroom or Bedroom Installation:

- The dryer MUST be exhausted to the outdoors.
- The installation must conform with the local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.

Minimum Clearance other than Alcove or Closet Installations:

- Minimum clearances to combustible surfaces 0" both sides, 3" rear.

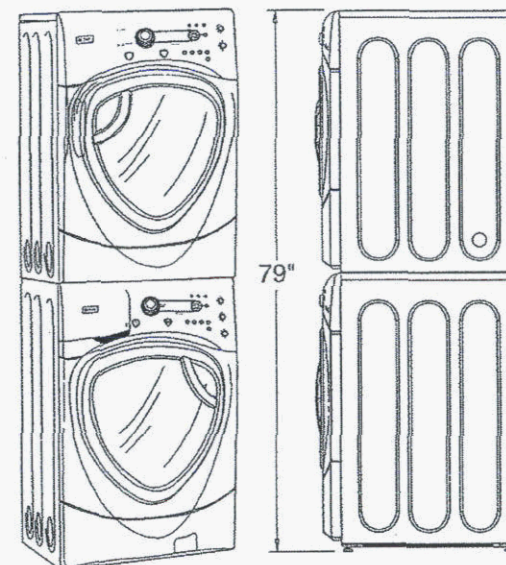
For more information on venting kits and accessories, please call 1-800-GE-CARES.

For answers to your Monogram®, GE Profile™ or GE® appliance questions, visit our website at ge.com or call GE Answer Center® service, 800.626.2000.



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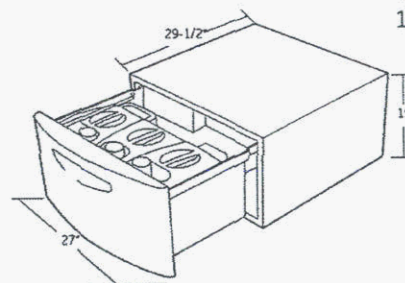
Stacked Dimensions (in inches)



SmartDispense™ Pedestal Dimensions (in inches)

SPBD880JMG - Champagne
SPBD880JMV - Vermillion Red
SPBD880JWW - White

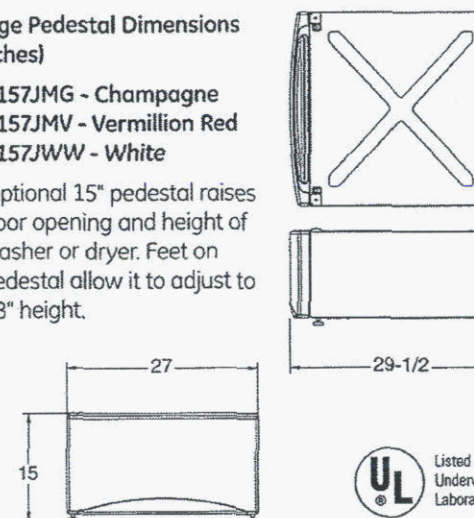
This optional 15" pedestal raises the door opening and height of the washer or dryer. Feet on 15" pedestal allow it to adjust to 15-3/8" height.



Storage Pedestal Dimensions (in inches)

SPSD157JMG - Champagne
SPSD157JMV - Vermillion Red
SPSD157JWW - White

This optional 15" pedestal raises the door opening and height of the washer or dryer. Feet on 15" pedestal allow it to adjust to 15-3/8" height.



Specification Revised 8/08

260187

WPDH8800J

GE Profile™ ENERGY STAR® 4.2 IEC Cu. Ft. Colossal Capacity Frontload Washer

Features and Benefits

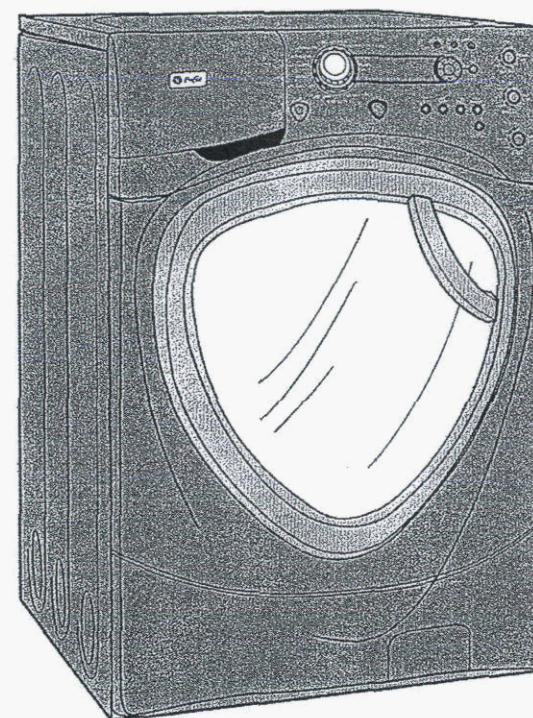
- ENERGY STAR® Qualified - Meets or exceeds federal guidelines for energy efficiency, which means year-round energy and money savings
- SmartDispense™ Technology* - SmartDispense™ pedestal holds up to 6 months of detergent** and dispenses the right amount, at the right time
- H2ition Wash System - This intuitive clothes care technology automatically senses the size of load to add the right amount of water at the right temperature to save energy*** and water and experience a terrific clean
- CleanSpeak™ Communication System - The washer communicates electronically with the dryer, which then presets dry cycles for better clothes care, increased time savings and greater convenience
- Stain Inspector™ System - Treats over 40 common stains depending on model, from grass stains to grease; It is the best stain removal system available
- Specialty Wash Cycles - Ensure that your expensive fabrics get the special attention they deserve
- 1300 RPM Spin Speed - Pulls more water from fabrics and leads to less time in the dryer
- Tilted Stainless Steel Wash Basket - Professional grade stainless steel wash basket stands up to the toughest loads

* SmartDispense™ Technology is not available without a SmartDispense™ pedestal which must be purchased separately

** Based on an 8-lb. AHAM load, 10 loads per week

*** Compared to a traditional topload washer, WWSE5240

- Model WPDH8800JMG - Champagne
- Model WPDH8800JMV - Vermillion Red
- Model WPDH8800JWW - White



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DPVH880EJ

GE Profile™ 7.5 Cu. Ft. Colossal Capacity Electric Dryer

Dimensions and Installation Information (in inches)

Electric Dryer Rating	
240V	5600W, 24A, 60Hz

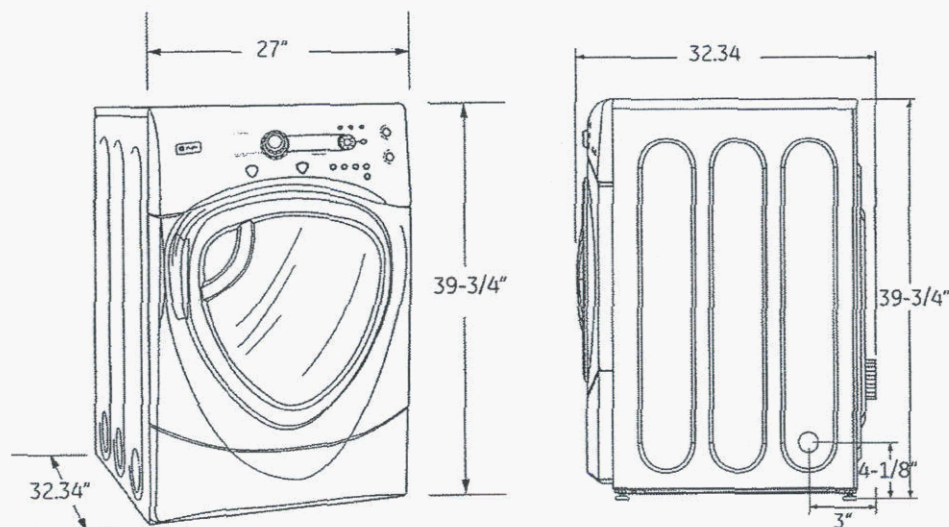
Exhaust Options: 4-way via rear, left, right and bottom.

Circuit Requirements: An individual, properly grounded branch circuit, protected by a 30-amp circuit breaker or a time-delay fuse, is required.

LP Conversion Kit: WE25M46

Note: Dryer wall outlet must be located within 36" of service cord entry and accessible when dryer is mounted in position.

Installation Information: For complete information, see installation instructions packed with your dryer.



For answers to your Monogram®, GE Profile™ or GE® appliance questions, visit our website at ge.com or call GE Answer Center® service, 800.626.2000.



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Underwriters
Laboratories

Specification Revised 6/0/9

270196

DPVH880EJ

GE Profile™ 7.5 Cu. Ft. Colossal Capacity Electric Dryer

Special Installation Requirements:

Stacked Installation:

- Brackets for stacking dryer over washer are available at an additional cost

Alcove or Closet Installation:

- If your dryer is approved for installation in an alcove or closet, it will be stated on a label on the dryer back.
- The dryer MUST be exhausted to the outside.
- Minimum clearances between dryer cabinet and adjacent walls or other surfaces are: 0" either side, 3" front and rear
- Minimum vertical space from floor to overhead cabinets, ceilings, etc. is 52".
- Closet doors must be louvered or otherwise ventilated and must contain a minimum of 60 sq. in. of open area equally distributed. If this closet contains both a washer and a dryer, doors must contain a minimum of 120 sq. in. of open area equally distributed.
- No other fuel-burning appliance shall be installed in the same closet with a gas dryer.

Bathroom or Bedroom Installation:

- The dryer MUST be exhausted to the outdoors.
- The installation must conform with the local codes, or in the absence of local codes, with the National Electric Code and National Fuel Gas Code, ANSI Z223 for gas dryers.

Minimum Clearance other than Alcove or Closet Installations:

- Minimum clearances to combustible surfaces 0" both sides, 3" rear.

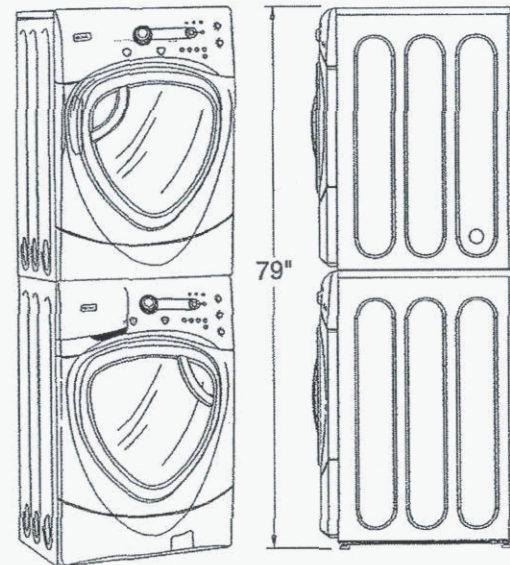
For more information on venting kits and accessories, please call 1-800-GE-CARES.

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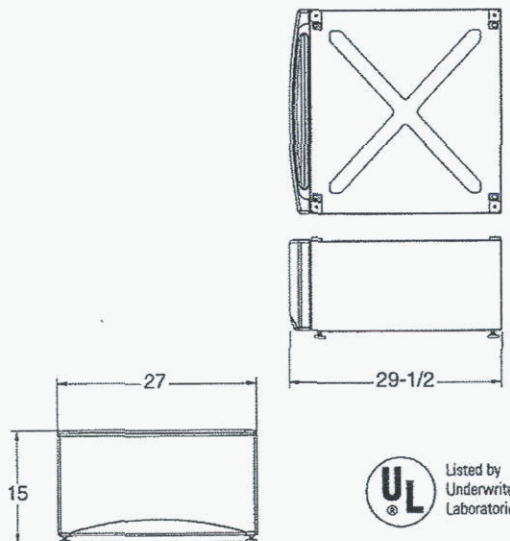
Stacked Dimensions (in inches)



Storage Pedestal Dimensions (in inches)

SPSD157JMG - Champagne
SPSD157JMV - Vermillion Red
SPSD157JWW - White

This optional 15" pedestal raises the door opening and height of the washer or dryer. Feet on 15" pedestal allow it to adjust to 15-3/8" height.



Specification Revised 6/09

270196

DPVH880EJ

GE Profile™ 7.5 Cu. Ft. Colossal Capacity Electric Dryer

Dryer Exhausting Information – Metal Duct Only

For complete information, see installation instructions packed with your dryer.

Ducting Materials: For best performance, this dryer should be vented with 4" diameter all rigid metal exhaust duct. If rigid metal duct cannot be used, then UL-listed flexible metal (semi-rigid) ducting can be used (Kit WX08X10077). In special installations, it may be necessary to connect the dryer to the house vent using a flexible metal (foil-type) duct. A UL-listed flexible metal (foil-type) duct may be used ONLY in installations where rigid metal or flexible metal (semi-rigid) ducting cannot be used AND where a 4" diameter can be maintained throughout the entire length of the transition duct. Please see installation instruction packed with your dryer for complete instructions when using flexible metal (foil type) ducting.

Exhaust Length Calculation:

1. Determine the number of 90° turns needed for your installation. If you exhaust to the side or bottom of dryer, add one turn.
2. The maximum length of 4" rigid (aluminum or galvanized) duct which can be tolerated is shown in the table.

A turn of 45° or less may be ignored. Two 45° turns within the duct length should be treated as a 90° elbow.

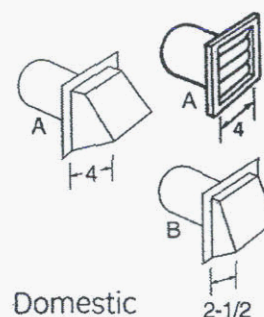
A turn over 45° should be treated as a 90° elbow.

Dryers **must** be exhausted to the outside.

Caution: For personal safety do not terminate exhaust into a chimney, under any enclosed house floor (crawl space), or into an attic, since the accumulated lint could create a fire hazard or moisture could cause damage. Never terminate the exhaust into a common duct or plenum with a kitchen exhaust, since the combination of lint and grease could create a fire hazard.

Exhaust ducts should be terminated in a dampered wall cap to prevent back drafts, bird nesting, etc. The wall cap must also be located at least 12" above the ground or any other obstruction with the opening pointed Down.

For more information on venting kits and accessories, please call 1-800-GE-CARES.



Domestic
dryer models

7.5 and 7.3 cu. ft.
capacity electric
and gas dryers

Best performance			
Maximum length of 4" dia. rigid metal duct			
Exhaust hood type			
Number of 90° turns	A 4" opening		B 2-1/2" opening
0	150 ft.		127 ft.
1	140 ft.		117 ft.
2	130 ft.		107 ft.
3	120 ft.		97 ft.
4	110 ft.		87 ft.



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Specification Revised 6/09

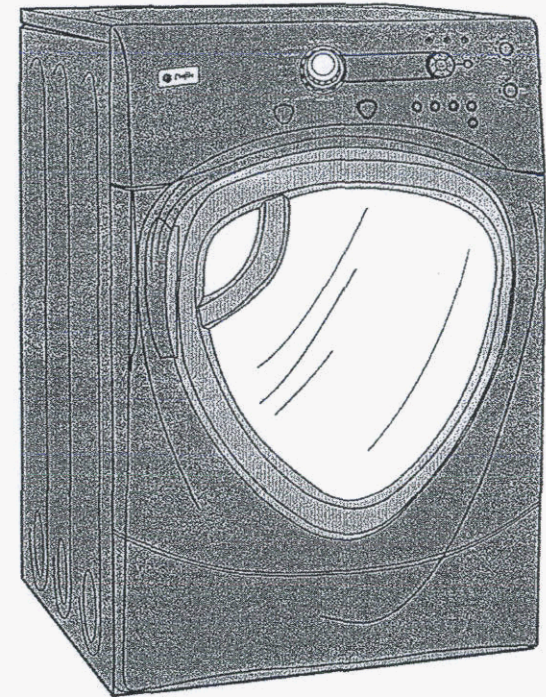
270196

DPVH880EJ

GE Profile™ 7.5 Cu. Ft. Colossal Capacity Electric Dryer

Features and Benefits

- 7.5 Cu. Ft. Colossal Capacity - This colossal size dryer will be ready and able to take on everything the washer sends its way
- Reverse Tumble - By reversing the rotation of the drum, you can expect gentle, fast even drying
- DuoDry™ System - Quickly and consistently dries all types of clothes
- Baffle Dry - Built-in drying rack and hanger clip design multiplies the drying options for hard-to-dry items or delicates
- CleanSpeak™ Communication System - The washer communicates electronically with the dryer, which then presets dry cycles for better clothes care, increased time savings and greater convenience
- Specialty Dry Cycles - Provide just the right levels of drying for better fabric care
- Stainless Steel Drum - Resists rust and won't chip, peel or snag clothes
- Model DPVH880EJMG - Champagne
- Model DPVH880EJMV - Vermillion Red
- Model DPVH880EJWW - White



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GE® Hybrid Electric Heat Pump Water Heater

Model GEH50DNSRSA

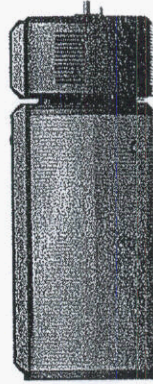
Preliminary – Subject to change

Updated on 08/18/2009

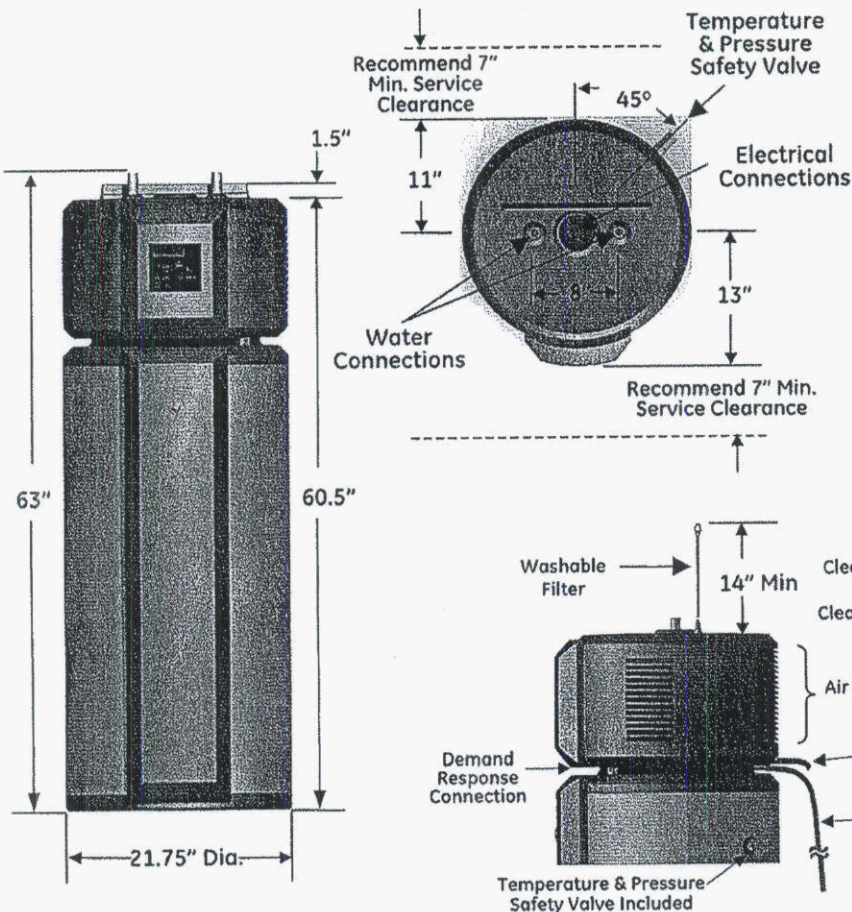
Model View



Front View



Side View



CAPACITY	
Capacity (gallons)	50
First Hour Delivery (gallons)	63
Estimate Yearly Operation Cost (at \$0.10/kWh)	\$198 in Hybrid Mode
FEATURES	
Fuel Type	Electric
Electronic Controls with LCD Display	Integrated
20 Character x 4 Line LCD Display	Yes
Backlit LCD Display	Yes
Multiple Operating Modes	
eHeat™	
Hybrid (Factory Default Mode*)	2.35 EF
High Demand	
Standard Electric	
Vacation/Away Mode	3 to 90 days
Service Diagnostics	Integrated
Demand Response Ready	Yes
Temperature Setting Range	100 to 140°F
Temperature Setting Factory Default	120°F
Temperature Setting Memory	Yes
Precise Temperature	±1/2 °F
Renewable Air Filter	Washable (included)
Condensate Collector	Integrated (tubing included)*
APPEARANCE	
Color Appearance	Silver Metallic
Color Appearance Code	SA
POWER / RATINGS	
Electrical Power Required	240/208 Volts (L1, L2, Ground), 60 Hz
Electrical Circuit Required	Dedicated 30 Amp Min.
Energy Factor (EF)	2.35 in Hybrid Mode
Electrical Consumption Maximum Heating	4,500 Watts
Electrical Consumption Minimum Heating	550 Watts
Electrical Consumption Standby	2.0 Watts
Operating Air Temperature Range	
eHeat™, Hybrid, and High Demand Modes	45 to 120°F
Standard Electric Mode	32 to 150°F
Operating Water Pressure	20 to 125 PSI
Warranty	
Limited 1-year**	Parts & Labor
Limited 10-year**	2nd, 10th year parts only

* Condensate tube must be directed into a drain below 36" from the floor, or a condensate drain pump (not included) is required.
**See warranty for details.

Product Weight 200 Lbs.
Shipping Weight 220 Lbs.