SMART GRID TECHNOLOGY
Imagine . . .

An electric grid that is:

- More reliable
- More efficient, which helps keep bills low
- Cleaner
Imagine . . .

An intelligent electric system that:

• Detects problems
• Prevents many outages
• Reports power outages
• Restores power faster
Imagine . . .

• Having more information to control your energy use and lower your bills
Introducing:

ENERGYsmart FLORIDA
FPL’s Energy Smart Florida: Overview
How is the grid smart?

In the future, smart grid technologies will:

• Help confine outages by rerouting power around trouble spots
• Notify FPL of an outage before you call to report it
• Allow FPL to send repair crews faster to restore service
THE ONLINE ENERGY DASHBOARD
We’re all looking for ways to save money. The online energy dashboard can help you find ways to control your energy use and lower your bills.
How much electricity do I use?
Imagine . . .

Knowing how much electricity you use by the

• Month
• Day
• Hour
Can I better control my electric use?
Imagine . . .

Having tools to manage your electric use and costs right from your home with your computer or by using your telephone
The Meter Reader Comes
Imagine no longer. Your smart meter is here!
What is the smart meter?
What makes my meter “smart”? 

![Smart Meter Image]![Power Lines Image]
How’s my smart meter different?

• You can see your electric use online and use that information to lower your use and your bill
• No more meter reader visits to your residence every month; occasional visits for maintenance will continue
• No more estimated bills
• Customer service representatives will have more information to help you
FPL’s smart grid: a customer’s perspective
What if I don’t have computer access?
Call a service representative at:

1-800-226-3545
Is my smart meter accurate?

Absolutely!

Testing + Testing + Testing = Accuracy
FPL’s smart meter installation
How do I read my smart meter?

• Read the numbers of the digital display from left to right
• Subtract the number on the front of your last bill from the number on your digital display
• For example:
  – Digital display reading 14104
  – Previous meter reading -12726
  – kWh used 1378
THE CUSTOMER ENERGY DASHBOARD
How do I see my energy dashboard?
Visit www.FPL.com
Enter User ID & Password
I’m not registered on FPL.com

Click on “Register for Online Access.”
Complete information:

- Account No.
- Last 4 digits of Social Security number
- Email address
I’m logged on now!
Click on “Billing & Usage History”
View your energy use by month

Energy Usage Information

Usage for Jul.2010 - Jul.2011. Average monthly usage: $125.00 (1,126 kwh) View Usage in kwh

Graph by: Month Day Hour

- $214.3
- $178.6
- $142.8
- $107.1
- $71.4
- $35.7
- $0

Month: Jul Aug Sep Oct Nov Dec Jan Feb [+] Mar [+] Apr [+] May [+] Jun [+] Jul [+]

Temperature (°F):
- 95°F
- 91°F
- 86°F
- 82°F
- 77°F
- 73°F

Usage
Temperature
[+] Detail Available

Previous Year
Hover over the bars to see:

- Bill month
- Billing period
- Bill amount
- Energy used
- Average monthly high temperature
View your energy use by day
View your energy use by hour

Energy Usage Information

Usage for Sunday Jul. 10, 2011. Average hourly usage: $0.22 (1.8 kwh)
Compare energy usage time periods

Learn even more about your energy usage by comparing monthly, daily or hourly time periods to each other.

Compare Now
Usage comparison - two days

Usage Comparison


Select the dates you want to view below to learn even more about your energy usage by comparing monthly, daily or hourly time periods to each other.

Date Range:
- From: 07/10/2011 00:00 to 07/10/2011 23:59

Compare To:
- From: 07/03/2011 00:00 to 07/03/2011 23:59

Update Graph
Usage comparison before & after monitoring energy use

Usage Comparison


Select the dates you want to view below to learn even more about your energy usage by comparing monthly, daily or hourly time periods to each other.

Date Range: From: 07/01/2011  To: 07/14/2011

Compare To: From: 06/01/2011  To: 06/14/2011
FPL’s energy dashboard: you’re in control
ENERGY USE EXERCISE
Ms. Francine Powers-Line calls
The “Energy IQ” Quiz

What's Your ENERGY IQ?

http://www.fplconnect.com/
Take Online Home Energy Survey

Online Home Energy Survey

Save Energy with our Online Survey

Take Survey

FPL can help you find smart ways to save money on your home’s energy bill. It’s easy! All you need to complete the survey is a general idea about your home, appliances and energy use habits.

Learn More +
Click Online Energy Survey
Survey these areas of energy use
## Cooling & Heating

Do you own or rent your home?  
- Own  
- Rent

What kind of home do you live in?  
- Single Family detached home

How many bedrooms does it have?  
- 3

What kind of air conditioner(s) do you have?  
You can add more AC units by clicking on the icons.

<table>
<thead>
<tr>
<th>Unit</th>
<th>Area Cooled</th>
<th>Type</th>
<th>Age/SEER</th>
<th>% of home or Unit Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Whole house</td>
<td>Central AC with electric heating</td>
<td>SEER 13</td>
<td>80%</td>
</tr>
</tbody>
</table>

How is your thermostat usually set?  
- For Cooling  
- For Heating
Click preview report or continue

Roof age is 20 years or more?

Please check the months that you stay in this home.

Jan  Feb  Mar  Apr  May  Jun  Jul  Aug  Sep  Oct  Nov  Dec

✔  ✔  ✔  ✔  ✔  ✔  ✔  ✔  ✔  ✔  ✔  ✔

Is someone home during the day most summer weekdays?  

○ Yes  ○ No

How often do you clean or replace your air conditioner's filter?  

About every 3 months

How many hours a day do you use fans?

Please provide either  

Total Fan Hours per Day  24

or more detailed usage.

What If I Change...

Preview Report

Continue →
Report details three areas

How the Weather Affects Your Bills

This graph compares your FPL bill with monthly average high outdoor temperatures. Changes in the weather alone can significantly impact your bill because your air conditioner runs longer in hot weather, even if you never change the thermostat setting. Heating your home in winter can cost 2 to 3 times as much as cooling it. And the colder the weather, the longer your heater will run.

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Compare cooling and appliance use.
See where your energy $$ go

<table>
<thead>
<tr>
<th>Appliance</th>
<th>Cost</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cooling &amp; Heating</td>
<td>$47</td>
<td>30 %</td>
</tr>
<tr>
<td>Water Heating</td>
<td>$31</td>
<td>20 %</td>
</tr>
<tr>
<td>Appliances</td>
<td>$25</td>
<td>16 %</td>
</tr>
<tr>
<td>Laundry</td>
<td>$15</td>
<td>10 %</td>
</tr>
<tr>
<td>Ceiling Fans</td>
<td>$10</td>
<td>6 %</td>
</tr>
<tr>
<td>Refrigerators</td>
<td>$10</td>
<td>6 %</td>
</tr>
<tr>
<td>Cooking</td>
<td>$10</td>
<td>6 %</td>
</tr>
<tr>
<td>Lighting</td>
<td>$8</td>
<td>5 %</td>
</tr>
<tr>
<td>Unassigned</td>
<td>$0</td>
<td>0 %</td>
</tr>
<tr>
<td><strong>Total Bill Amount</strong></td>
<td><strong>$157</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
REDUCE ENERGY USE
How can I reduce my bill?

- Go to the Online Home Energy Survey report
- Select the “What If I Change . . .” button
- Make changes
- Recalculate
- See your savings
INTERACTIVE HOUSE

http://www.fpl.com/residential/energy_saving/resources_tips/house.shtml
Ms. Francine Powers-Line calls again
INSTALLATION SCHEDULE
When will I get my smart meter?

- Miami-Dade: 2009-2011
- Broward: 2009-2011
- East Florida: 2010-2012
- North Florida: 2012-2013
- Central Florida: 2012-2013
- West Florida: 2011-2013
When will my smart meter start working?

After:

- Your smart meter is installed at your residence
- All related equipment is installed in your neighborhood
- All testing is completed
- FPL sends you a notice in the mail
Do I have a smart meter?

Old meter

Smart meter
MORE WAYS TO SAVE!
Visit www.FPL.com for more savings

Check the links the instructor will give you, or call the phone numbers to speak with a representative.
Give Us Your Feedback
Help us improve this class

Please answer the questions the instructor will give you now.
Acknowledgement & Disclaimer

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