

Installing a Blue Line PCM WiFi device for the first time with myEragy

Install Checklist:

- 1) PowerCost Monitor sensor installed on meter and values correct on in-home display?
- 2) A Windows Machine (no Apple/MAC) and Personal WiFi Router operational?
- 3) Router information:
 - a. SSID: _____ (Sometimes called “Wireless/Network Name”)
 - b. Security Type: _____
 - c. Passphrase: _____

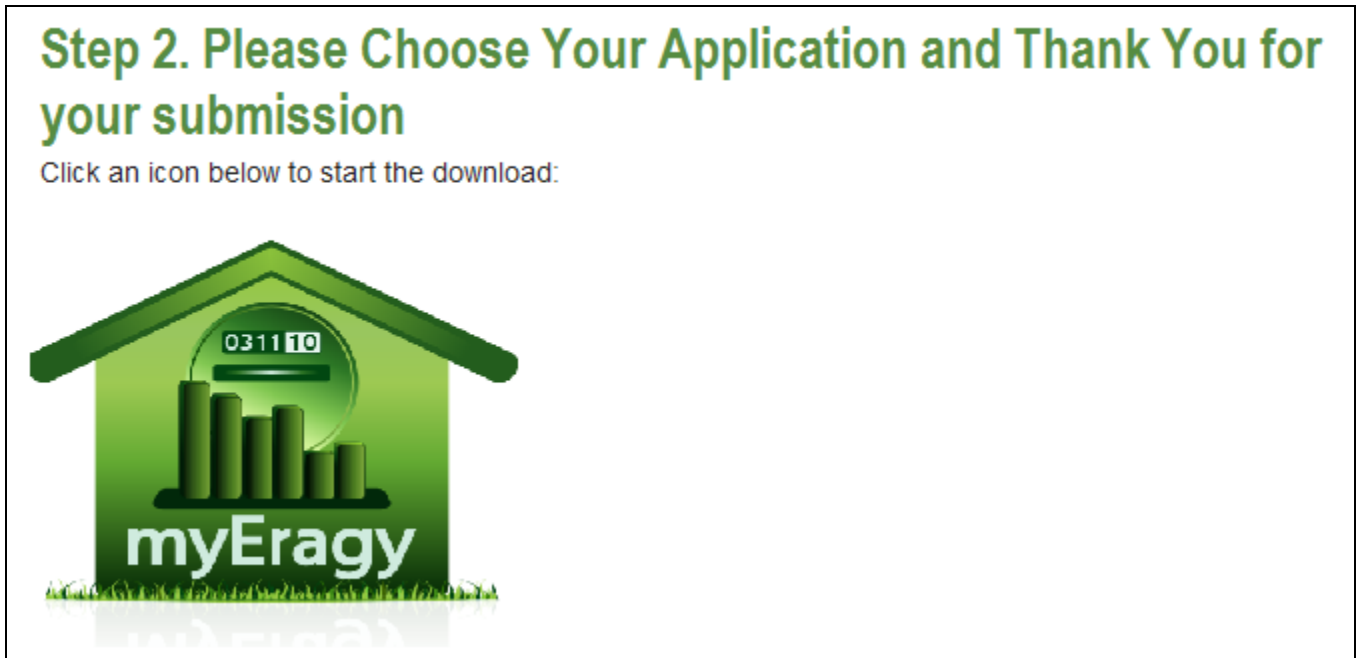
Steps to follow:

1. Go to <http://www.bluelineinnovations.com/Products/PCMWiFi>

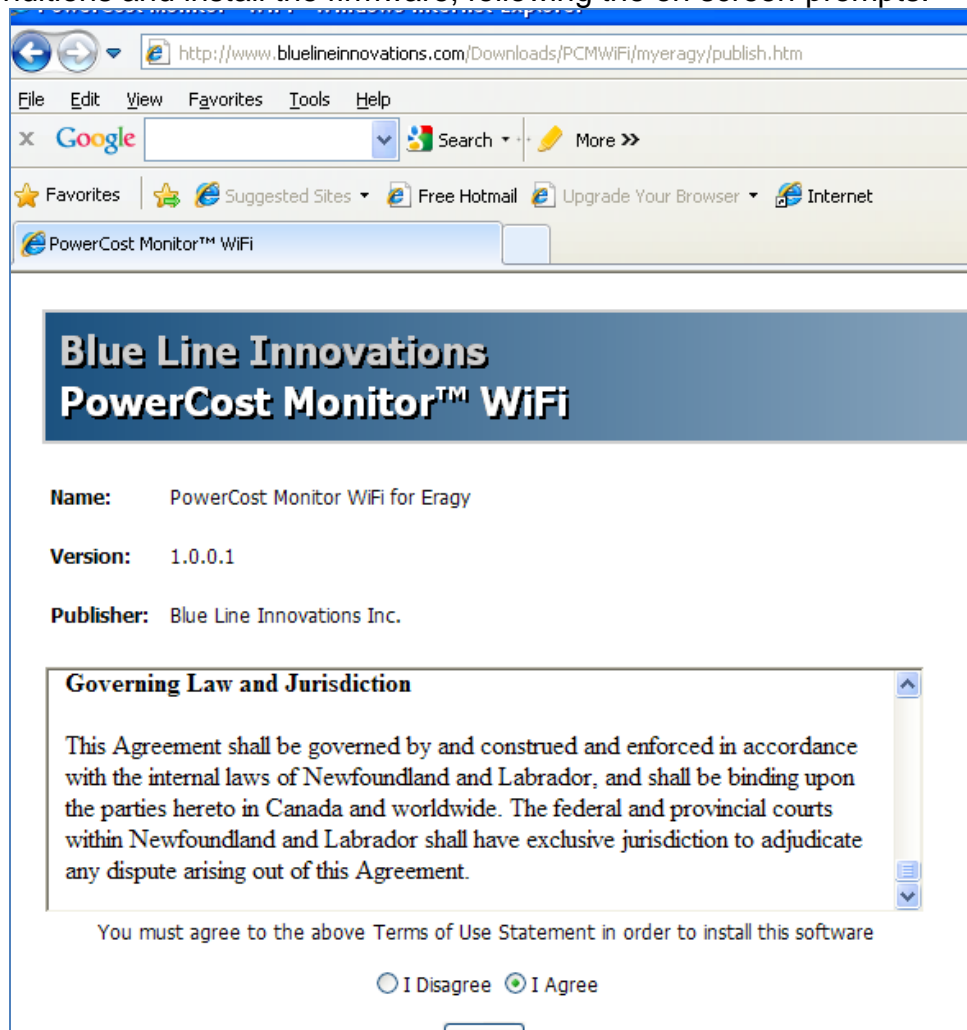
The screenshot shows a web browser window displaying the Blue Line Innovations website. The page features a large image of the Energy Monitor device on the left, which shows a digital display with energy cost information. To the right of the device is a green banner with the text "The Easy-to-Use & Easy-to-Install Energy Monitor WiFi Edition" and "Works with: myEragy, PlotWatt, People Power, & Microsoft Hohm™". Below the banner is a registration form titled "Step 1. WiFi Registration - (Apps. Next Screen)". The form includes fields for "Your Name", "Email Address", "Phone Number", "Address", "Address 2", "City", "State/Province", "Zip/Postal Code", "Purchased Where?", and "Purchased When?". A sidebar on the left contains a navigation menu with links such as "PowerCost Monitor - BLI 28000", "PowerCost Monitor WiFi Gateway - BLI 31100", "Blue Line to Z-Wave Bridge", "PowerCost Monitor - EnergyAxis Edition", "Where to Buy", "Customer Support", and "Customer Forum". At the bottom of the sidebar, there is a "Download our Information Kit" button.

2. Complete required fields and Click on “**Register & Download**”

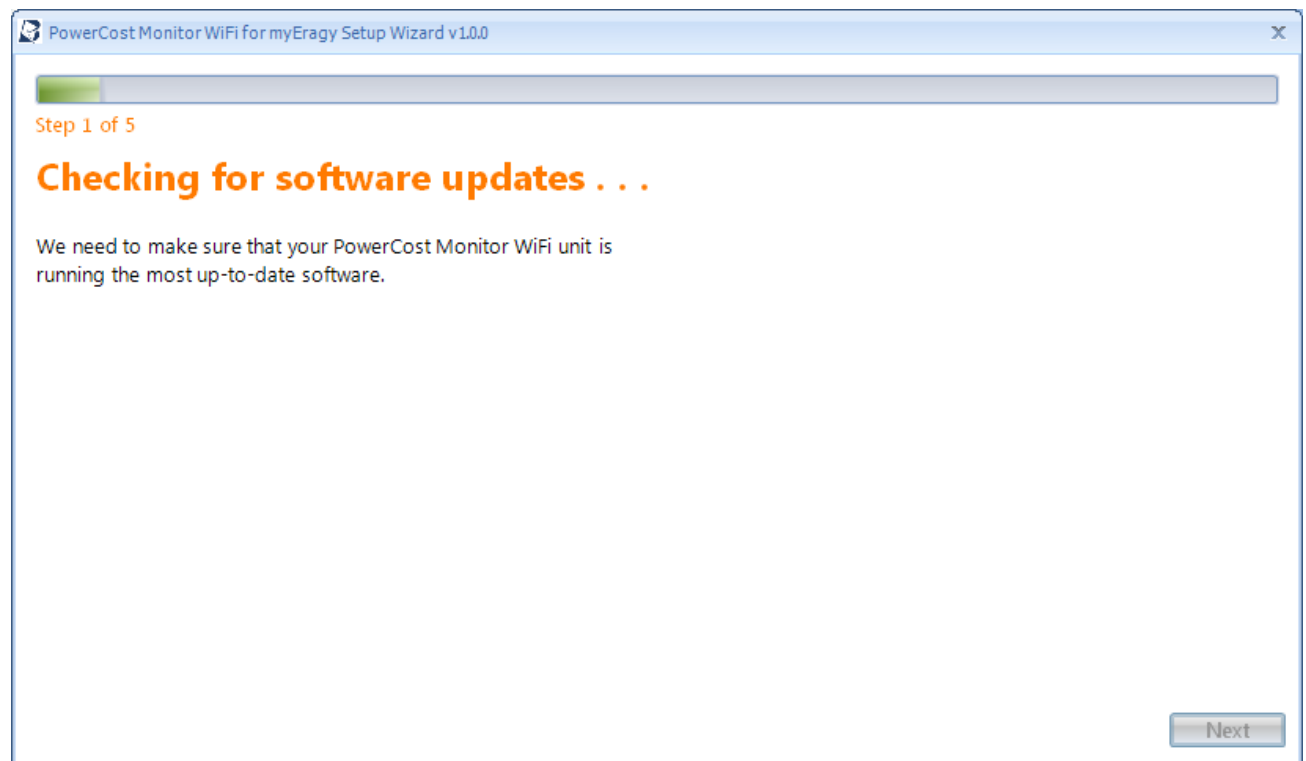
3. Select the first option - myEragy Logo to download the required firmware.



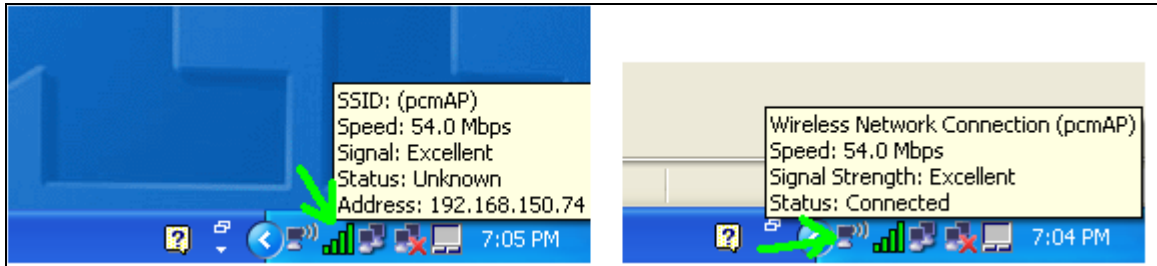
4. This opens a new window with:
<http://www.bluelineinnovations.com/Downloads/PCMWiFi/myEragy/publish.htm>
5. Accept the conditions and install the firmware, following the on screen prompts:



6. Connect the PowerCost Monitor WiFi to your Computer with a USB Cable.
7. Run the application on your Windows machine. (The LED on the Blue Line is alternating between Red and Green)
8. Ensure the firmware is the most recent and correct version. Follow any prompts on screen
The “Kh” factor should be provided with the devices when delivered.
 - *These are typically listed on the meter face as well 7.2 for disk meters, or 1.0 for digital meters.*



9. Set-up the PowerCost Monitor WiFi device to connect with your personal WiFi network.
→ It is important that these settings be known and correct or the WiFi device will not connect
→ The SSID also called Network Name is what we see our computer (laptop) connected to in the bottom tray – examples below show this as pcmAP



→ The passphrase is the secure password we use to connect a device like a laptop or other wireless device to our network. This is typically only known by those who installed the router, or use it the most to connect devices. In you are unsure please do not hesitate to contact support@bluelineinnovations.com for help.

PowerCost Monitor WiFi Setup Wizard v1.0.0

Step 2 of 5

Provide your wireless home network settings

We need some settings from your wireless home network to set up the PowerCost Monitor.

PCM WiFi name: ?

Network name (SSID): ?

Security type: ?

Passphrase: ?

Hide characters

Automatically detect network settings ?

Next

10. Set the “Kh” factor. *This should be provided with the devices when delivered.*

- *These are typically listed on the meter face as well 7.2 for disk meters, or 1.0 for digital meters.*

PowerCost Monitor WiFi Setup Wizard v1.0.0

Step 3 of 5

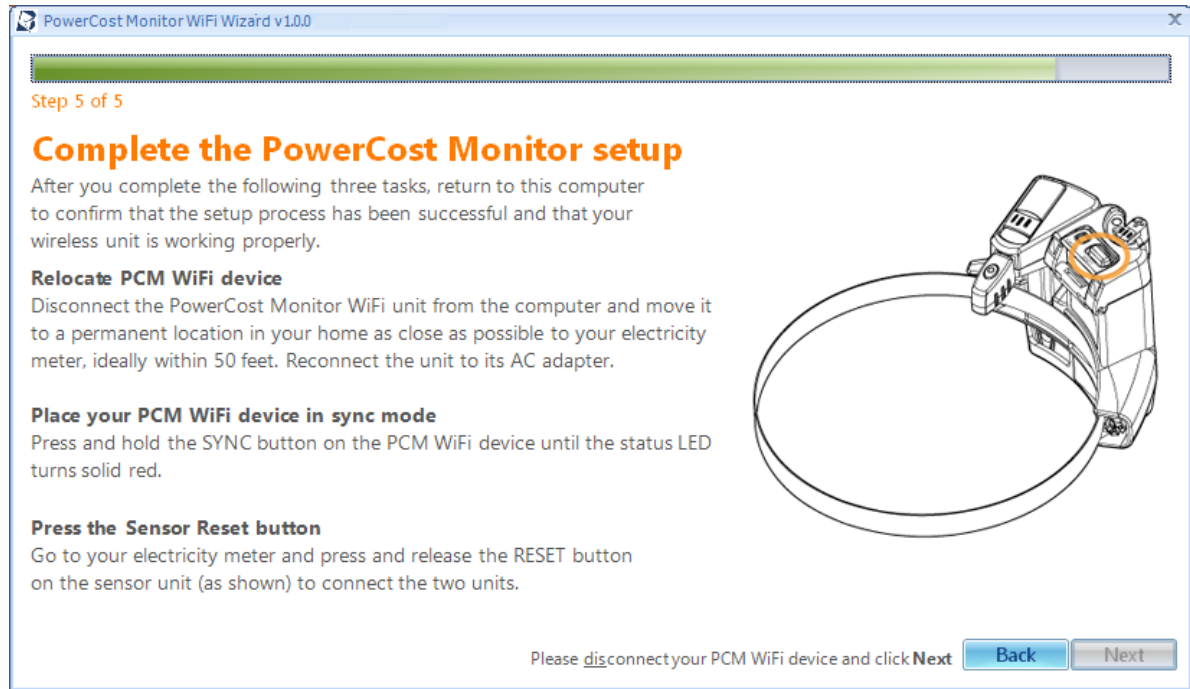
Enter Kh factor

Type the **Kh** factor found on your electricity meter, and then click **Next**.

Kh factor: ?

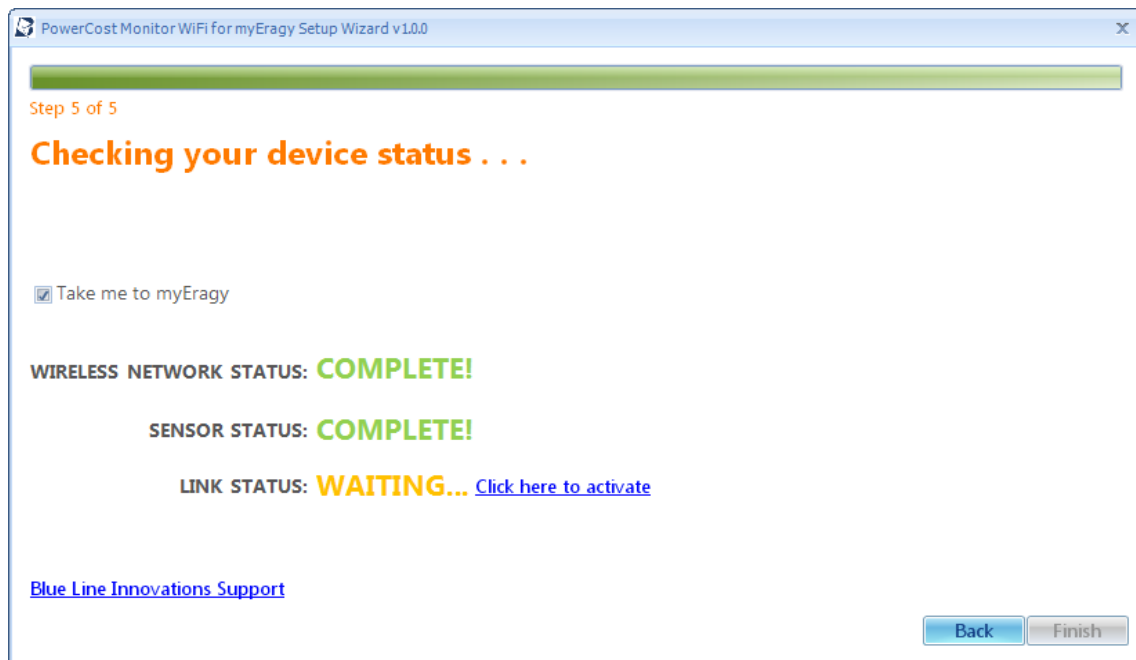
Back Next

11. Follow instructions on screen (Re-locate the WiFi and Sync it with the meter)



→ It is preferable for the WiFi device to be positioned closer to the meter/sensor as the range from WiFi device to router should not be an issue in a typical home.

12. It will check for the Wireless Network Status, Sensor Status and Link Status



→ If the status does not change from “Waiting” or “Not Found”

- Please reconnect the WiFi device and run the wizard once through or
- There could be a router, firewall, or browser setting that needs to be changed/opened in order for communication to occur. Please contact support@bluelineinnovations.com with a description of your router and OS/browser setup for help.

A browser window will open with your WiFi name and sensor id in the actual address as shown below. Click “Activate Blue Line PowerCost Monitor™ WiFi Gateway”

myEragy.com » Register Your

https://myeragy.com/BlueLine.aspx?model=TIMMYERAGY&did=001EC0004E80&rurl=http://TIMMYERAGY/activate.htm

eragy **BLUE line** **MyEragy**
INNOVATIONS

Register Your Blue Line Power WiFi Gateway

Please click the link below to activate your Blue Line PowerCost Monitor™ WiFi Gateway with myEragy.
*** You must return to this page to complete the activation process. ***

[Activate Blue Line PowerCost Monitor™ WiFi Gateway](#)

Cancel Activation

– An additional Window may open that looks like the following, but can be closed:

PowerCost Monitor™ WiFi R002

BLUE line
INNOVATIONS

DEVICE STATUS

Sensor Status
Sensor Temp 0 C / 32 F
Sensor Battery Normal
Signal Quality 66%
Last Reading 3 seconds ago

Wi-Fi Status
Network Address 192.168.2.13
myEragy Status LINKED
Last Upload 1 seconds ago

Energy Usage
Present Demand 0.630 KW
Total Consumption 0.226 KWhrs

Your PCM WiFi is connected to myEragy

myEragy is an energy monitoring service that allows homeowners & property managers to view their energy usage and cost from anywhere online -- even from your phone or iPad!

By allowing you to closely monitor your power consumption, myEragy empowers you to save valuable energy.

myEragy can even provide you with email & text alerts to let you know how much energy you are using and if you exceed your monthly budget.

myEragy, coupled with Blue Line's PowerCost Monitor™ WiFi Gateway, enables you to save up to 20% or more off your monthly electric bills!

Click the button below to log into your myEragy account.

myEragy >>>

13. You should then see the confirmation screen as seen here. If you do not have an account, select "I do not have an Eragy Account. Create a new account"


The screenshot shows a web browser window with the URL <https://myeragy.com/BlueLine.aspx?model=TIMMYERAGY&did=001EC0004EB0&nurl=http://TIMMYERAGY/activate.htm>. The page features the myEragy logo, BLUE line INNOVATIONS logo, and a MyEragy WiFi Gateway icon. The main heading is "Register Your Blue Line Power WiFi Gateway". Below this, there is a message: "Please click the link below to activate your Blue Line PowerCost Monitor™ WiFi Gateway with myEragy. *** You must return to this page to complete the activation process. ***". A blue link reads "Activate Blue Line PowerCost Monitor™ WiFi Gateway". A green checkmark icon is followed by the text: "Success! Data has been found from your WiFi Gateway. You can now create your myEragy.com account, or link this WiFi Gateway to an existing account." Three blue links are provided: "I do not have a myEragy account. Create a new account.", "I'm replacing a Blue Line WiFi Gateway in an existing myEragy account.", and "I have a myEragyPRO Dealer account. Add this Blue Line WiFi gateway to my sensors." A "Cancel Activation" button is located at the bottom.

14. You will be directed to the main login screen and account settings:

The screenshot shows a web browser window with the URL <https://myeragy.com/BlueLine.aspx?model=TIMMYERAGY&did=001EC0004EB0&nurl=http://TIMMYERAGY/activate.htm>. The page features the myEragy logo, BLUE line INNOVATIONS logo, and a MyEragy WiFi Gateway icon. The main heading is "Create myEragy.com Account". The form includes the following fields: "Your Email:" (text input), "Confirm Email:" (text input), "Country:" (dropdown menu with "Select Country..." selected), "State/Province:" (dropdown menu with "Select State/Province..." selected), and "Zip Code:" (text input). Below the form is a checkbox labeled "Yes, I agree to the myEragy.com [Terms of Service](#)". A "Create Account »" button is located at the bottom.

15. You will be sent an activation email with a temporary activation code – please ensure your spam or junk folders are checked in case this email is redirected there. It will have format as follows:

From: myEragy.com Accounts [mailto:accounts@eragy.com]
Subject: Welcome to the MyEragy.com

Welcome to myEragy.com 



Welcome to myEragy.com,

This email is to confirm you have recently registered a power sensor at myEragy.com

Your Passcode to complete the confirmation process is: **1a2b3cd4**

If you were interrupted during the registration process, go to myEragy.com and login with your email address (**youremailaddress@you.com**) and the Passcode above.

Thank you from the Eragy Team.



Confirm myEragy.com Account

Congratulations, your myEragy.com account has been created.
You have been sent a confirmation email to with a default passcode.

(Note: if you did not receive this email, check your SPAM folder and make sure you allow emails to be delivered from eragy.com)

Once you receive your default passcode, enter it here to confirm your account:

Confirm myEragy.com Account

Email:

Passcode:

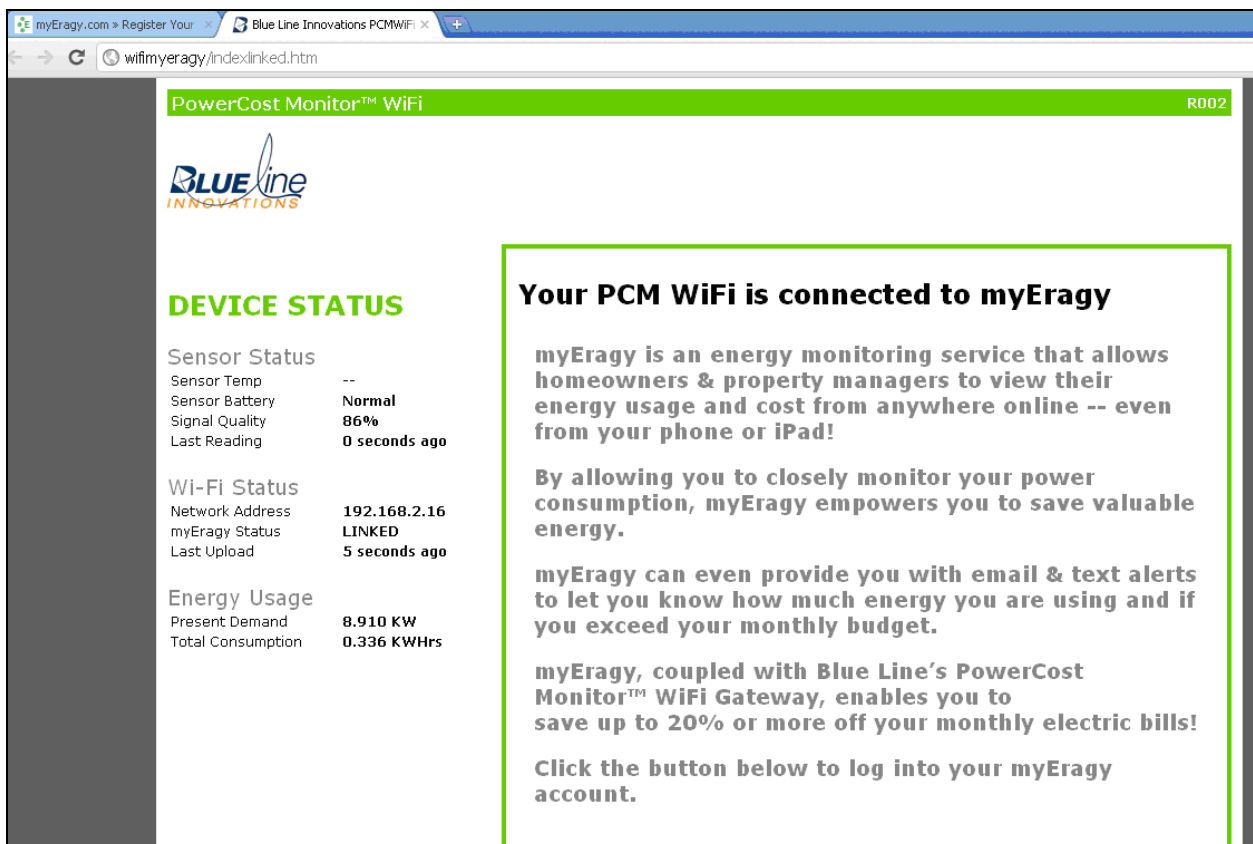
(You will be asked to either change or confirm your password.)

16. A description of your meter (Default is "Meter")



The screenshot shows the myEragy.com account configuration page. At the top left is the myEragy logo, and at the top right is a house icon with a bar chart and the text "MyEragy". The main heading is "Configure Your myEragy.com Account". Below this, it says "Enter a name for your Meter (ie, 'Main Meter' or 'Sub Meter')." There is a text input field labeled "Meter Name" containing the text "Meter". At the bottom center is a "Finish »" button.

17. The local Device status page, <http://pcmwifi> will look like this: (Can be closed at this point if not already)



The screenshot shows a web browser window displaying the local Device status page. The browser tabs include "myEragy.com > Register Your" and "Blue Line Innovations PCMWIFI". The address bar shows "wifimyeragy/indexlinked.htm". The page title is "PowerCost Monitor™ WiFi" with "R002" in the top right corner. The Blue Line Innovations logo is on the left. The main content is divided into two sections: "DEVICE STATUS" and a message box.

DEVICE STATUS

| | |
|----------------------|----------------------|
| Sensor Status | |
| Sensor Temp | -- |
| Sensor Battery | Normal |
| Signal Quality | 86% |
| Last Reading | 0 seconds ago |
| Wi-Fi Status | |
| Network Address | 192.168.2.16 |
| myEragy Status | LINKED |
| Last Upload | 5 seconds ago |
| Energy Usage | |
| Present Demand | 8.910 KW |
| Total Consumption | 0.336 KWHrs |

Your PCM WiFi is connected to myEragy

myEragy is an energy monitoring service that allows homeowners & property managers to view their energy usage and cost from anywhere online -- even from your phone or iPad!

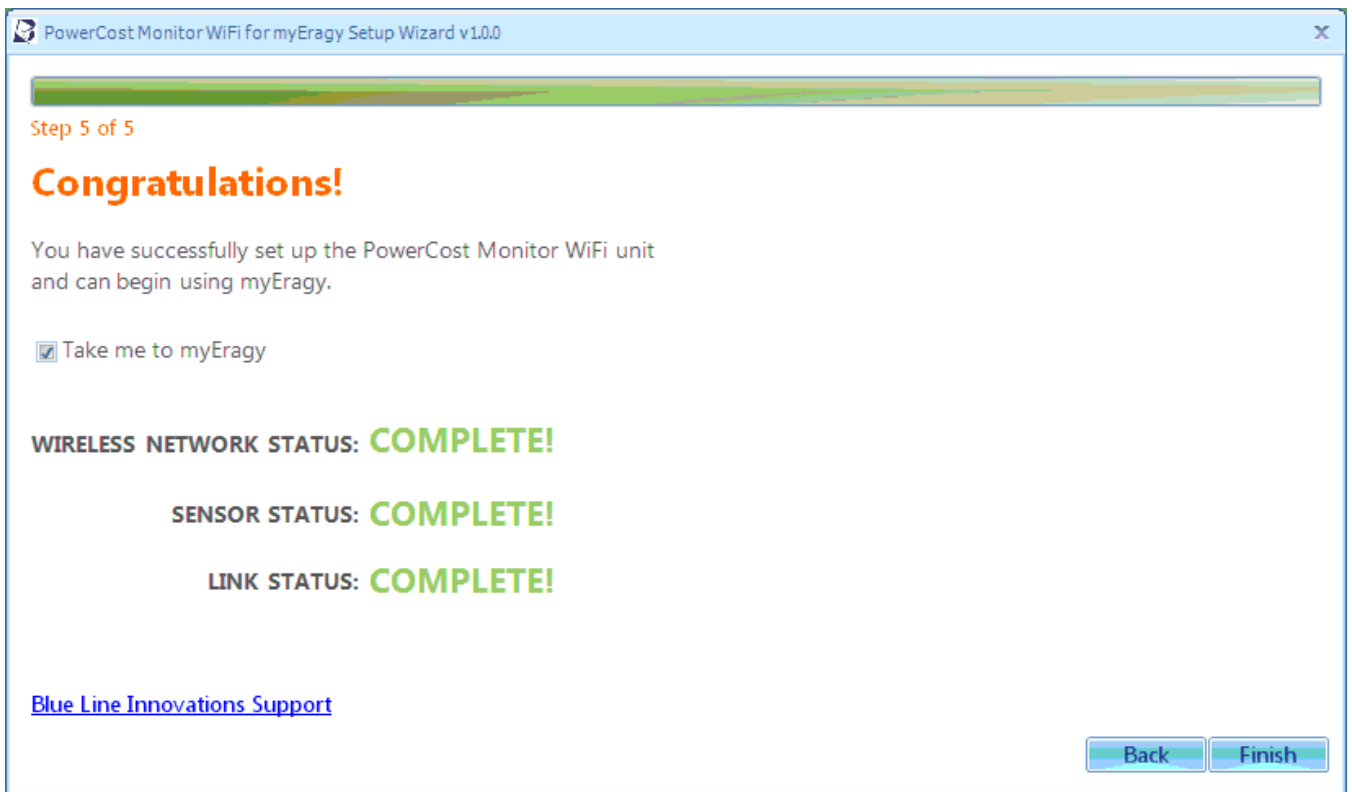
By allowing you to closely monitor your power consumption, myEragy empowers you to save valuable energy.

myEragy can even provide you with email & text alerts to let you know how much energy you are using and if you exceed your monthly budget.

myEragy, coupled with Blue Line's PowerCost Monitor™ WiFi Gateway, enables you to save up to 20% or more off your monthly electric bills!

Click the button below to log into your myEragy account.

18. The final Wizard screen should look like this: (Can be closed at this point)

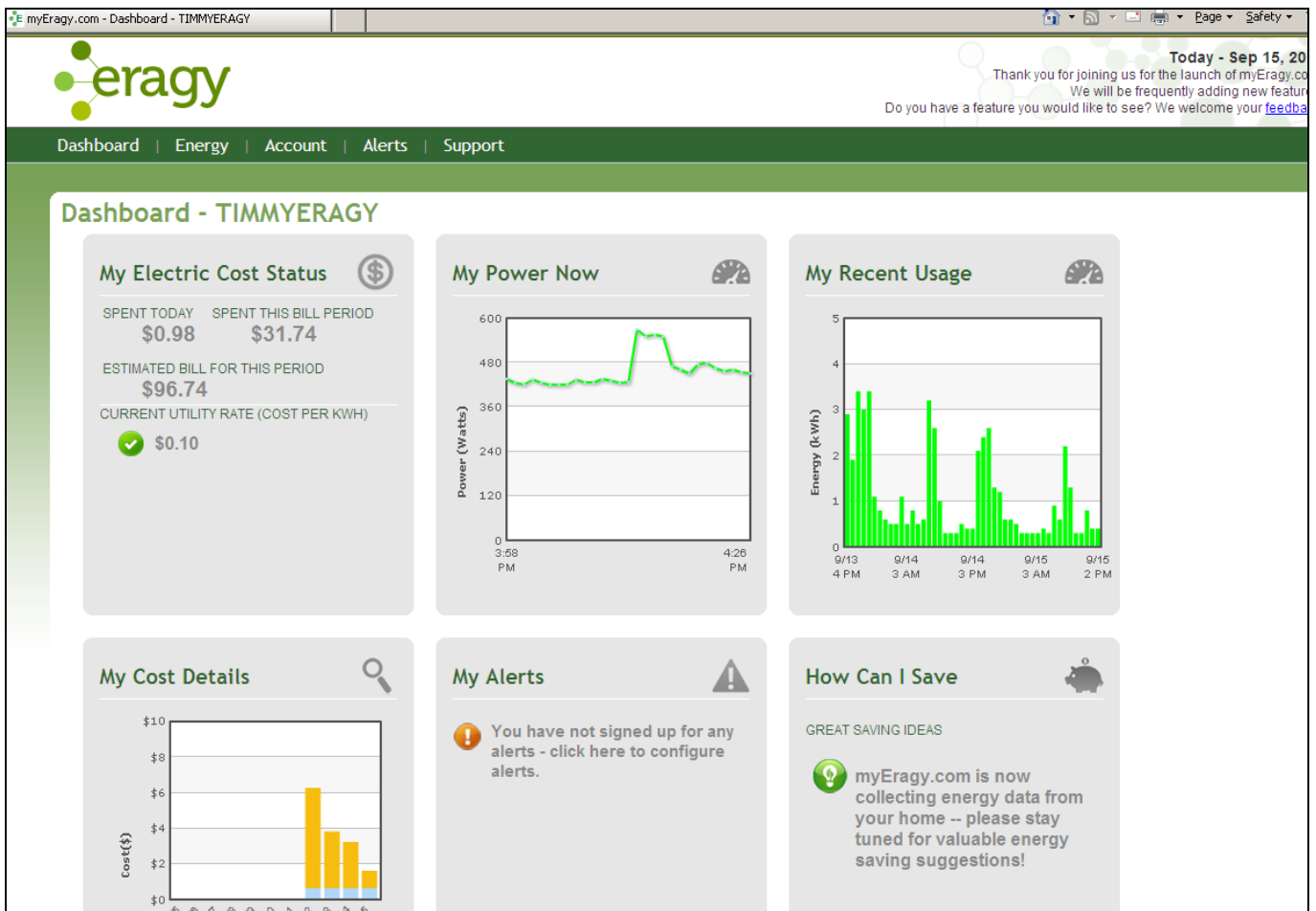


You may now close all the windows, and at anytime can log into the application from Eragy's main page or login specific page:

Login page: <https://myeragy.com/Login.aspx>



19. The most important element is to see that there is a solid green light on the Gateway, a red flash (sensor transmission received) every 30 seconds and a flicker/dull green every ~30 seconds (transmission to router sent)
20. After a few minutes the values will start generating and all the benefits myEragy can offer will be available, example shown here.



21. For information, questions, or problems please do not hesitate to contact support@bluelineinnovations.com

2.0 Troubleshooting

At any time please do not hesitate to contact support@bluelineinnovations.com for installation help or with questions. The items below may help resolve the issues faster if prepared before emailing or calling.

Troubleshooting Checklist:

- 1) LED Colour and pattern? (Ex. Green, red, solid, flashing, etc.):

- 2) Router make/model: _____
- 3) Router login username/password: _____
- 4) Support for "b" devices on router? _____
- 5) "SSID Broadcast" = Enabled? _____
- 6) # of connected devices?: _____
- 7) MAC Address if device? (Ex 00:1E: C0:..... in router table) _____
- 8) "MAC Filtering" = Disabled? (Sometimes called "Assignment") _____
- 9) Browser name and version (Ex IE, Chrome, Firefox,) _____
- 10) Range between WiFi Device and Router? _____

3.0 Notes

1) Compatibility View enabled? – It has been observed that if the compatibility view in Internet Explorer has not been enable, the Eragy tiles may not display the most recent graphs. If the graphs are displaying correctly, then there is no need to make changes to any compatibility view modes.

2) If your WiFi device appears to be communicating with an application but you cannot see the data then please add an entry to the Hosts file as detailed below.

- This typically is characterized by a solid Green and the local page indicates connection even though you account was not successfully setup.
- If you were unsuccessful in creating an account however, please re-run the Wizard keeping all the values the same, but looking for the “Click to Activate”

Adding and Entry in the HOSTS file. (Resolve NETBIOS)

- 1) Open router admin page
- 2) Find and record local IP assigned to the pcmwifi (MAC address starts with 001ec0...)
- 3) Ensure name of device is default *pcmwifi*
- 4) Search computer for HOSTS (typically in C:\WINDOWS\system32\drivers\etc)
- 5) Open file with Notepad to look like the text below
- 6) Create entry for IP address and pcmwifi as shown on the bottom, note the ip address is only an example and you need to find what your router has assigned (If you changed the default pcmwifi you would need to enter that name instead)

Copyright (c) 1993-1999 Microsoft Corp.

#

This is a sample HOSTS file used by Microsoft TCP/IP for Windows.

#

This file contains the mappings of IP addresses to host names. Each

entry should be kept on an individual line. The IP address should

be placed in the first column followed by the corresponding host name.

The IP address and the host name should be separated by at least one

space.

#

Additionally, comments (such as these) may be inserted on individual

lines or following the machine name denoted by a '#' symbol.

#

For example:

#

102.54.94.97 rhino.acme.com # source server

38.25.63.10 x.acme.com # x client host

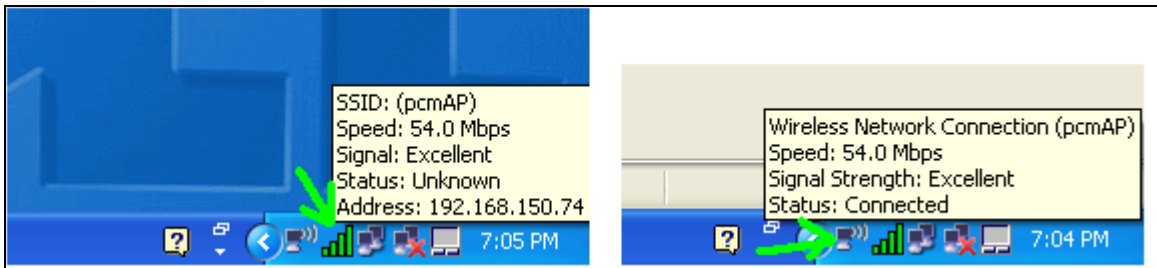
127.0.0.1 localhost

192.1.1.1 pcmwifi

3) How can I find out my network name (SSID).

To retrieve these pieces of information we can simply check our connection as seen below.

In the system tray mousing over the wireless connection icon will typically show the "SSID" = Network name as shown below with 2 icons connecting to the same network:



- For security type or passphrase changes, you will need to access your router admin page. If unable to do this please contact support@blueinnovation.com for help.