



Powerhouse dynamics is where I work, but oddly I don't work on the powerhousedynamics.com site. I work on the portal site where customers go to look at their power usage. It was emonitor.us but due to a marketing effort is now sitesage.net.

This is the powerhouse dynamics dashboard. I re-architected code that retrieves the data from the appropriate database tables and delivers it to the charts and gauges (Ajax datasources).

I also rewrote the lower left "history" chart. It was converted from flash/xml to a javascript/json charting package called highcharts. Clicking the tabs or radio buttons updates the chart with ajax.

+ All Circuits

+ Heating & Cooling

+ Ventilation

+ Lighting

– Refrigeration

- Beverage Fridge (near front door)
- Drop-In Ice bin / soda tower / eMonitor
- Glass Froster (bar)
- Ice Machine
- Refrigerated Prep Table (near pizza oven, not under hood)
- Refrigerated Table (end of line)
- Refrigerated Table (Pizza)
- Refrigerated Table (Salad)
- Refrigerator Wine Cooler
- Refrigerator Wine Cooler
- UC Bar Fridge (left)
- UC Fridge (coffee area)
- **Walk-in Cooler**
- Walk-in cooler / Freezer lights
- Walk-in Freezer

+ Food Prep

+ Business Equipment

+ Process Equipment

+ Safety

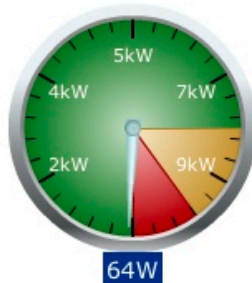
+ Misc

Walk-in Cooler

Circuit Details

Notes: Two stage condenser unit. On roof.

[Edit Channel Settings](#)



Now

Usage 64 w

Power Factor 0.48

% Breaker Capacity 1%

Past 30 Days

Energy 252 kWh

Power Factor 0.61

Cost \$36

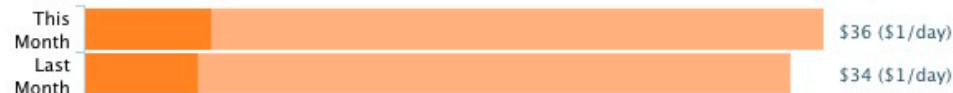
CO2 lbs

Runtime Information

Show Detail ▾

Projected Costs vs Previous Period

☐ kWh ☒ Cost



Walk-in Cooler, Hourly View for the Past Week

Day Week Month

View History Details



Click and drag in the plot area to zoom in.

Circuit Details page. I did the coding for the backend of this to. Also worked on updating the charts to highchart package from flash.

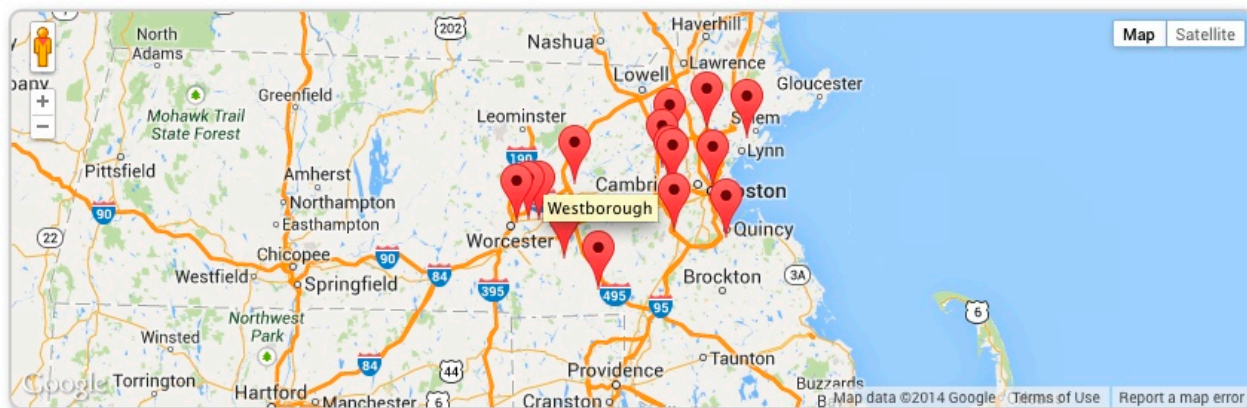
Circuits monitoring equipment is sometime misconfigured during installation so I added the “edit channel settings” as a direct link to edit this particular circuits details. Its a little thing but it actually is used frequently and makes life easier.

Benchmark
Benchmark

HVAC/R BETA

Food Safety BETA

Admin


Results - Past 30 Days (based on measured usage)

[Select Date Range](#)
[Export Data](#)
[Report Preferences](#)

View By: Location
☐ Weather Normalize ☒ Cost ☐ Usage Totals

Search:

Name	City	State	Cost	Cost Sq. Ft.	Cost Oper.Hr.	
Bellingham	Bellingham	MA	\$ 580	\$ 0.48	\$ 1.57	view
Boston	Boston	MA	\$ 686	\$ 0.23	\$ 0.00	view
Braintree	Braintree	MA	\$ 7,795	\$ 1.95	\$ 24.58	view
Burlington	Burlington	MA	\$ 0	\$ 0.00	\$ 0.00	view
Dedham	Dedham	MA	\$ 5,801	\$ 0.97	\$ 17.24	view
Hudson	Hudson	MA	\$ 731	\$ 0.15	\$ 1.98	view
Lexington	Lexington	MA	\$ 3,874	\$ 1.55	\$ 8.73	view
Newton	Newton	MA	\$ 143	\$ 0.05	\$ 0.00	view
Salem	Salem	MA	\$ 1,830	\$ 0.73	\$ 3.81	view
Shrewsbury	Shrewsbury	MA	\$ 3	\$ 0.00	\$ 0.01	view
Upton	Upton	MA	\$ 786	\$ 0.36	\$ 2.13	view
Wakefield	Wakefield	MA	\$ 0	\$ 0.00	\$ 0.00	view
Waltham	Waltham	MA	\$ 0	\$ 0.00	\$ 0.00	view
Westborough	Westborough	MA	\$ 666	\$ 0.13	\$ 1.85	view
Worcester	Worcester	MA	\$ 1,133	\$ 0.52	\$ 2.91	view

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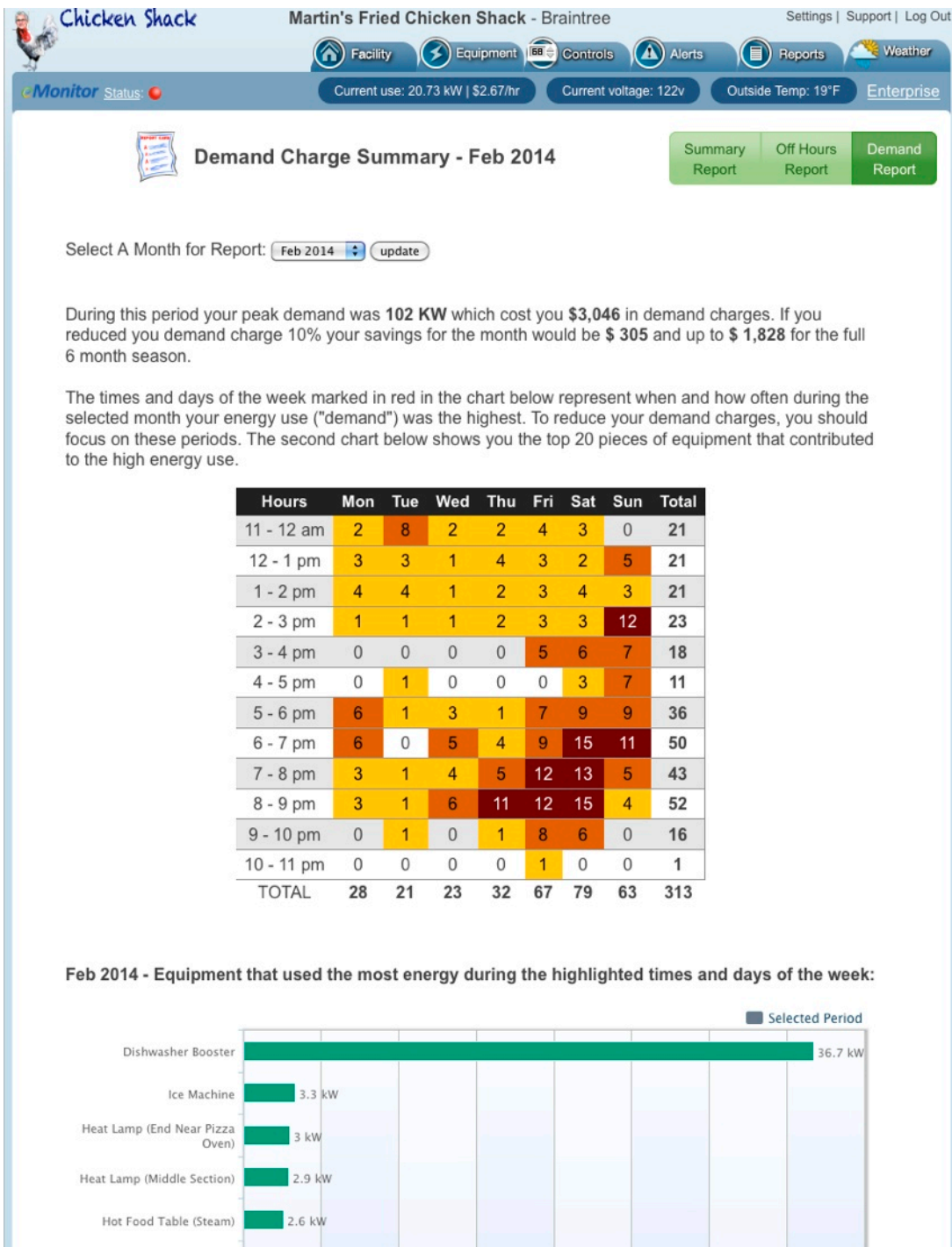
40

View 1 - 15 of 15

This is the management portal or “enterprise view”. I rewrote this page from scratch as it wasn’t designed to handle our larger customers who have 800+ locations. This page also acts a navigation page to allow users to view individual sites that they have permissions to see.

I also wrote the code that allows the grouping of locations into regions/ sub regions trees.

The controls above the table dynamically change the columns displayed. It uses javascript and a grid package called jqgrid. The top is just a google map implementation. Clicking the pins gives current power use.



This is the Demand Report which I coded both the backend and front end.

The pages shows which part of the week your business is using the most power. No power issues before 11 am so the grid is truncated for clarity.


The bottom chart shows which circuits are contributing the most to power usage during those peaks.

The grid is just an html table, the chart is another javascript chart (highcharts).

The selection buttons in the top right are jquery ui components.


The calculations are pretty intensive for this report and slow to do on demand. To solve this problem a script is run daily to calculate and store a summary so retrieval and chart generation is reasonable.


They asked for the update button on the date drop down, I might have just had it update when that changed.





Martin's Fried Chicken Shack - Dedham


Settings | Support | Log Out


 Facility


 Equipment

 Controls

 Alerts

 Reports

 Weather


eMonitor Status: 

Current use: 51.89 kW | \$6.49/hr

Current voltage: 125v

Outside Temp: 28°F


Enterprise



Alerts

Please select the Alerts you would like to receive. Alerts address Budget, Safety, Savings, Equipment Performance and Comfort issues

Please note that some Alerts need a certain period of time - e.g. 7 days - to build a baseline.


 Budget Alerts

☒ Notify us if our electricity cost is projected to be more than \$ 1555 in the month

Get advanced notice so you have time to adjust your usage.

☒ Notify us when our electric bill for the month has passed \$ 800

Note: utility billing periods vary from month to month, so this monthly threshold will not correspond directly to your actual bill.

 Safety Alerts

☒ Notify us when any circuit is getting close to 90 % of its rated capacity

This warning could potentially help you avoid a short circuit or damage to electronics.

☒ Notify us when a particular circuit is drawing little or no power for an extended period

Select this alert, for example, to check on medical equipment or computers you would like to keep on, or to make sure your furnace is running.

Select Circuits

☒ Notify us if the voltage level goes outside the expected range

Low voltage can cause circuit overloads; high voltage can damage electronics.

Just a form with checkboxes for signing up for Alerts. The select circuits button pops up a circuit selection dialog box using jquery ui.

[Back](#)

STEPS

1. Select Membership
2. Location Select
- 3. Contact Info**
4. Profile Info
5. Select Options
6. Verify Info
7. Make Payment

2014 Membership

3. Enter Artist Contact Information

The information you provide on this form will not be made public. This is the information we use to contact you should we need to. To avoid membership application delays please be accurate.

All fields are required, except when noted.

Contact Info

Email Address

First Name

Last Name

Mailing Street Address

Mailing Suite Address

City

State

Zip Code

Daytime Phone required

[Continue](#)

This is the newest part of the Somerville Open Studios site which I maintain. During registration 400+ artists of widely varying degrees of computer operating skill sign up and pay to participate.

I coded the registration pages and the backend which allows the membership team to check and approve eligibility.

Registration uses bootstrap with javascript error checking on the frontend. The backend also does error checking in php. Mysql is the database.

Registration has just closed and the site is being updated for the event in May, but its visitable.

Back

STEPS

1. Select Membership
2. Location Select
3. Contact Info
4. Profile Info
5. Select Options
6. Verify Info
7. Make Payment

2014 Membership

4. Profile Information

This is your public profile information, which will be displayed on your online profile page and printed in the map book. Once your registration is complete you will also be able to add images of your work and an artist statement to your online profile.

Public Profile Information

Name Information

You have the choice of being listed by your first and last name or by a single business name. If you would like to include both, select "First and Last Name" here, then select to purchase an additional business name below. Click [here](#) to see sample map book listings from a previous year. (Note that this year's map book may use different formatting and colors.)

☒ Option 1: First and Last Name

Artists with a single names (Banksy, Christo, Michaelangelo, Titian, ...) should use the last name field.

First Name

Last Name

☐ Option 2: Business/Organization Name

Business Name

Purchase Additional Business Name

Map book listing with artist AND business name (Jane Doe, Jane's Designs)

☒ Purchase Business Name (\$12)

Business Name

Map Book Preview

This is an approximation of how your name(s) will be listed in the map book

My Business Name

Aram Comjean

Art Information

Short Description of Art
(in 30 char or less)

Media Types (check up to 3)

- | | |
|---|---|
| <input type="checkbox"/> Books + Paper | <input type="checkbox"/> Jewelry/Beads |
| <input type="checkbox"/> Collage/Assemblage | <input type="checkbox"/> Painting |
| <input type="checkbox"/> Drawing | <input checked="" type="checkbox"/> Photography |
| <input type="checkbox"/> Fiber/Textiles | <input type="checkbox"/> Pottery |
| <input type="checkbox"/> Furniture | <input type="checkbox"/> Printmaking |
| <input type="checkbox"/> Glass/Mosaic | <input type="checkbox"/> Sculpture |
| <input type="checkbox"/> Graphic Design | <input type="checkbox"/> Video |
| <input type="checkbox"/> Installation | |
| <input type="checkbox"/> Other (if your art REALLY
doesn't fit into another
category) | |

Other Details
(If "Other" is selected)

Another Somerville Open Studio form. We ask for a significant amount of information during registration.

The form opens and closes text area using javascript to show which parts of the form should be filled in.


Back
Nancy Anderson
Home

Go back

Nancy Anderson

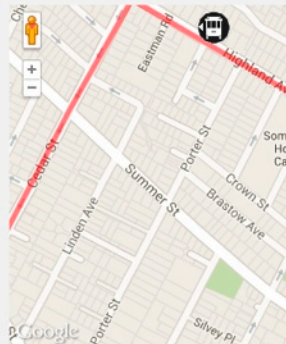
oil painting
Arts at the Armory
191 Highland Avenue
MAP # 62
Visit this artist's [non-mobile SOS page](#)

+ Add To Itinerary



Blue
oil on canvas
[43" x 26"]

Map (click to collapse)



MAP #62 | 191 Highland Avenue - S

My Location Directions (Google)

Artists

Home

Search :

Find Arists
by Map # :

View By Proximity

List By Distance (Sat+Sun)

Map By Distance (Sat+Sun)

View My Itinerary (beta)

Itinerary

Itinerary By Distance

Itinerary By Map

View By Medium

Books + Paper

Collage

Drawing

Fiber and Textiles

Artist's Statement

I love the city and thought that capturing its grittiness or buzz would be my thing but instead I've been painting these portraits. As a kid, I drew the faces I saw around me, and started painting with oils at age 12 but I had somehow managed to stray from it. Now, as a local dog walker photographing the faces of those who surround me during the day, the images that emerged were begging to be put on canvas. Love the expressiveness in their eyes and it has brought me back to the task of trying to

I made a jquery mobile version of the Somerville Open Studios website last year. Works pretty well on the desktop too and reminds me that the non-mobile site needs updating. We're working toward making the whole site responsive.

It can be checked out at 2013.somervilleopenstudios.org/mobile/