

# Team Sustainers

Sustainability Energy Alert

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# Monterey Bay National Marine Sanctuary Exploration Center



# **so much energy saving potential, so little awareness**

The Monterey Bay Aquarium utilizes state-of-the-art energy efficient technologies, but everyday visitors can't tell by simply walking in.

# Goals In Mind

We set out with the goal of creating a visually aesthetic, interactive interface that would give people a sense of how a *simple flick* of a switch can save *vast* amounts of **energy** and **money**.

# Goals Achieved

- created a functional, interactive, and visually aesthetic website that informs users of the energy usage of the each zone in the building

# Biggest Challenges

- Having a defined document design of the final product from the start
- New technologies, in particular: BACnet

# Biggest Accomplishments

- Gettiing everything together for a functional prototype

# Technologies Used

## Front End

- HTML/CSS/Javascript/Bootstrap

## Back End

- Java, C, MySQL, BACnet



# Project Management Techniques

- SCRUM meetings
- planning poker
- burnup chart

# The Fun and Not So Fun

- Learning totally foreign and undocumented technologies

# Lessons Learned

- what worked/what you will keep doing
  - meetings were effective in keeping everyone up to date with what was going on
- what didn't work/what you will stop doing
  - despite not having a precise goal given to us, we should have defined a goal for ourselves immediately