



DUNNE WATER METER PROJECT



FLOW LABS

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IN PARTNERSHIP WITH FLOWLABS

PURPOSE

- Monitor Shower Times
- Raise awareness
- Change “wasteful” behavior
- Reduce water/energy costs
- Reduce water/energy use
- Promote environmentally conscious lifestyle



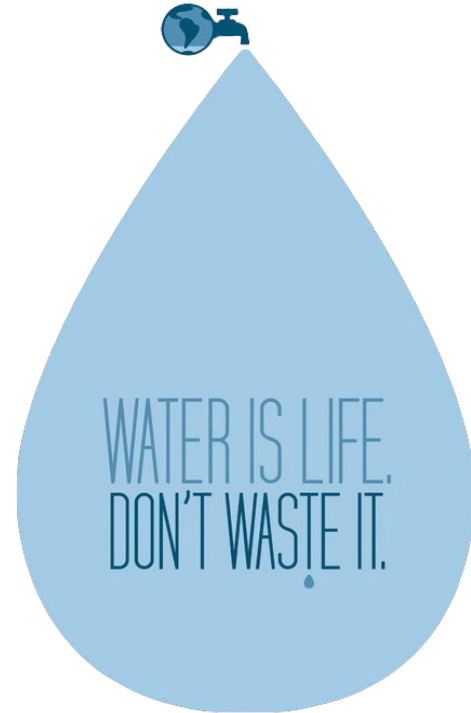
THE PLAN

- Partner with FlowLabs
- Install monitors and hubs
- Gather baseline data
- Create signage
- Inform Dunne residence
- Monitor changes in behavior



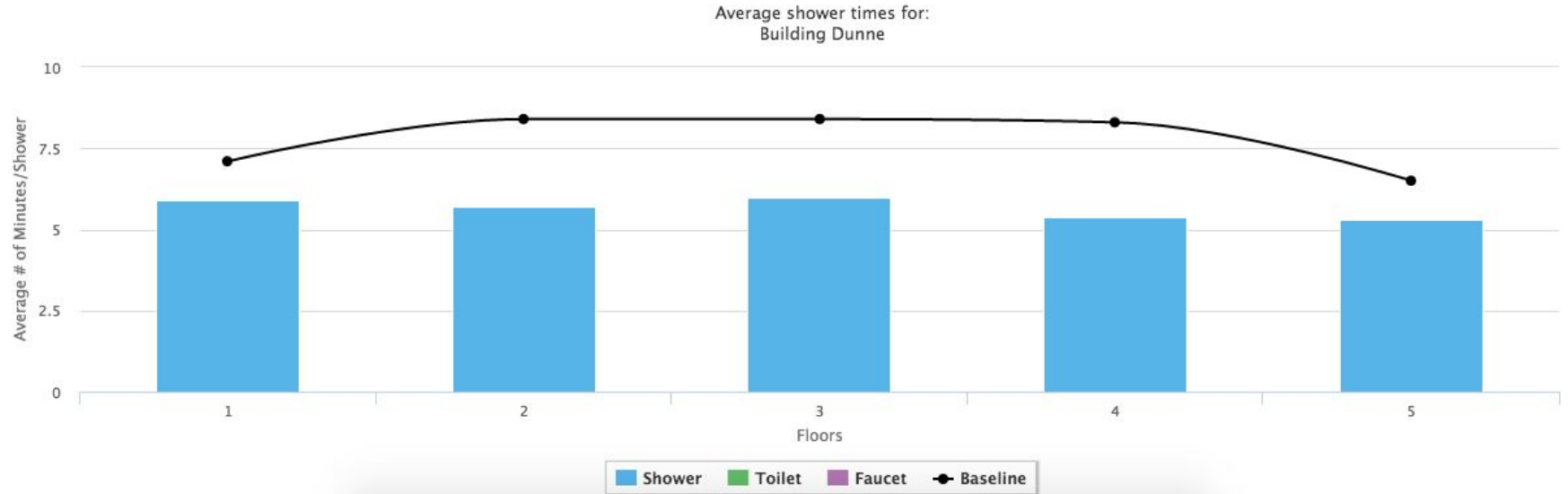
METHODS

- Installed water monitoring system
- Collected data
- Analyzed water consumption behaviors of entire dorm
- Reviewed disclosed university's success, compared outcomes
- Generated ideas for permanent signage



FLOOR-BY-FLOOR BREAKDOWN FOR ONE WEEK OF PILOT AS SEEN ON THE FLOWLABS WEBSITE

Viewing results for: 05/02/2016 - 05/08/2016



RESULTS

- Close to **5,000** showers taken in Dunne over 1 month pilot
- Average Building Shower Time: **8.24 min**
- Average Girls Shower Time: **8.62 min**
- Average Boys Shower Time: **7.92 min**
- **27%** of showers were over **10 min**
- Amount of Water Used: **125,573 gallons**
- Amount Spent on Water: **\$1,608.59**
- Amount Spent on Energy: **\$8,042.97**
- Total Spent on Showers in Dunne: **\$9,651.56**



RESULTS FROM APRIL

Total Water Used (In gallons)

71048.30

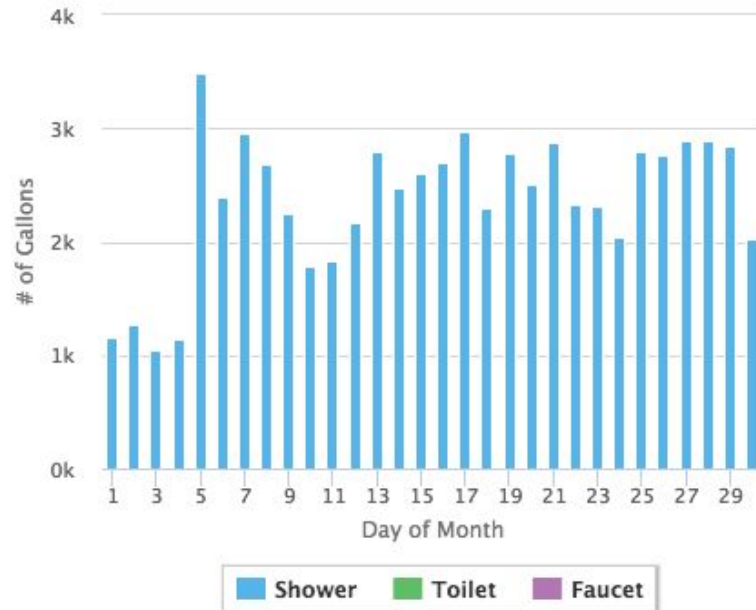
Total \$ Spent on Water

\$910.13

Total \$ Spent on Energy

\$4550.64

Total water consumption for:
April 2016



RECOMMENDATIONS

- Target Boys and Girls differently depending on habits
- Work closely with residence life to ensure success
- Use different platforms (social media, fliers, etc.) to communicate with students
- Place permanent signage promoting shorter showers near or in showers to encourage lasting behavior change
- Continue this project next year with another team

