

Energy Management and KPIs



Genentech

- Biotech and Pharmaceutical company
- Over 60 buildings totaling 7 million ft²
- 14,000 employees on-site

The Energy and Water Team - Supports Genentech's vision and corporate goals

What we do...



Receive data from over 220 utility meters and 200 submeters

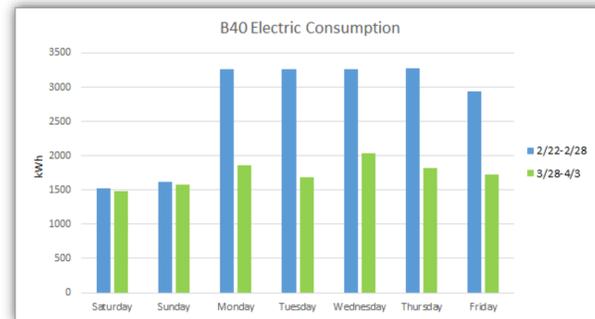
Manage utility consumption and expenses

Identify opportunities for improvement

Implement energy /water projects to meet sustainability targets

Current Situation for KPIs

- Large amount of meters to track
- Data lies in different locations
- Manual data entry and reports take up valuable time, making them costly



Example KPI: Comparing building electric consumption before and after COVID-19 work-from-home conditions

Project Goals

- A central location for all metered data
- Automated data entry for consumption and cost KPIs
- Meaningful tool for data visualization, benchmarking and identifying opportunities

Creating an Energy Management Dashboard

A joint effort with IT was created to automate processes that are manually done in spreadsheets into a Tableau Dashboard



Steps:

- Familiarize IT with data sources and meter mapping
- Set up data flow for electricity, gas, water consumption
- Create KPIs that are useful for the team and customers

Milestones: Dashboard approved. Data flow for electricity, gas, and budget built. Tableau production and UAT feedback implementation. Go-Live Date: June 19th

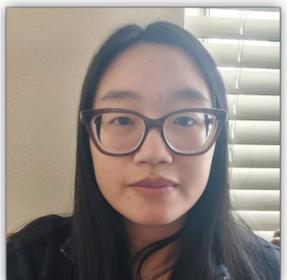
Lessons Learned / What's Next?

My Takeaways from the Fellowship

- Having a lot of data available is good, but it won't drive action unless it is organized in a meaningful way.
- Collaboration is a powerful and key component of work. I learned how to reach out to my team members and others for input and support.

Next steps

- Complete next phases of implementation for the dashboard
- Receive customer feedback and share data
- Utilize data for Genentech's Roadmap to become CO₂ free by 2050



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