

Quarterly Report -Sustainability Office Period of December 1st through February 28th

Narrative

The Sustainability Office quarterly reports describe current programs and initiatives on the PLU campus while creating vision for the future. It includes an evaluation of carbon mitigation strategies at the facility level to help PLU better understand the savings potential and investment needed to obtain a carbon neutral footprint by 2020. It also highlights the pedagogy used to communicate the interwoven relationships between people, the planet, and prosperity. Through the combination of these measures, The Sustainability Office will steer PLU into initiatives that ensure that climate protection and sustainability are actively incorporated into every aspect of the institution. This supports the mission of seeking to “educate students for lives of thoughtful inquiry, service, leadership and care - for other persons, for the community and for the earth.”

The Sustainability Office continues to try and sculpt the vision of sustainability on campus. This process has been significantly helped by the simultaneous 2020 long term planning, of which sustainability has been a reoccurring topic. A wealth of input from focus groups has shown that Sustainability is indeed a core value of this university. It has even been suggested as a fourth pathway of distinction. However, the focus groups agree that while Sustainability is strongly visible operationally, and in co curricular education, it has room to expand within academics.

The Sustainability Department held an important group gathering this quarter to discuss our goals. During this, a significant finding emerged. While PLU Sustainability has held 4 firm goals since its inception, it was realized that these were project goals, and not applicable to repeatable projects.

- Attain carbon neutrality by 2020 as stated in the ACUPPC
- Achieve an 80% waste diversion rate by 2020
- Become culturally sustainable, which entails that the concepts and actions of sustainability are being felt as a constant presence amongst the students, faculty and staff around campus.
- Restore pockets of native habitat integrated within PLU’s campus

With that in mind, we entered into a root cause tree where 3 “trunks” were discovered:

- Reverse Apathy
- Educate our community
- Become a known resource for these efforts at PLU

As part of the 2020 planning process, a framework for sustainability initiatives on campus developed with categories in academics, the built environment and campus culture. That framework was summarized as the “ABC’s of Sustainability”, and the quarterly reports that will be generated from the Sustainability Office will be outlined in this manner. This report also contains reports depicting usage of natural gas, water, and electricity as compared to the same month the previous year. Changes and improvements in the ABCs that would have influenced our goals are also listed concisely through bullets.

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Q3: What We've Done (organized by the ABC's)

Academia

- Attended CompostModern; a sustainability and design conference where we began researching on similar programs
- Continued to work with Art Department faculty to develop an intentional classroom in the Outdoor Learning Center
- Began advertising Sustainability Fellowships
- Solicitation of faculty for participation in Solar 4R Schools grant program

Built Environment

- Temperature Set Point Policy implemented in all feasible buildings; savings report to come in next quarterly report
- Tinglestad outdoor recycling and waste area planned in order to streamline and improve recycling
- Fred L. Tobiason Outdoor Learning Center named; signs ready to be installed
- Fume Hood stickers put in place in Rieke
- Seeking grant funding for Rain Gardens (GPF and Rainbird)
- surPLUs reorganized, new phone line and laptop introduced
- Ordered Environmentally Preferred Purchasing for electricity in MBR in order to raise total to 50% of PLU's electricity
- Lighting retrofits were implemented in Blomquist, the Print Shop and Wang Center for a savings of 30% off lighting costs
- Ordered new recycling bins for events in the University Center and Olson

Campus Culture

- Sustainability Office culture development day
- Banned the sale of bottled water in Dining through partnership with ASPLU
- Sustainability Committee continues to meet regularly
- Green Fees process established
- Released STARS report for publication through AASHE
- Bike Coop opened rental option
- CSA with Full Circle Farm established
- surPLUs swap party served as the grand opening with over 100 attendees
- Hosted a scene in the Tunnel of Oppression to stress social justice leg of Sustainability
- Tabled at the Volunteer Fair held February 20th

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Q4: What We Hope To Improve in the next quarter of March 1st through May 31st (organized by the ABC's)

Academia

- Further develop an academic program that combines Design and Sustainability
- Facilitate the faculty seminar on Sustainability integration in the curriculum
- Ribbon cutting of the Fred L. Tobiason Outdoor Learning Center; special care given to including faculty
- Select Sustainability Fellows
- Anticipating Solar 4R Schools grant

Built Environment

- Tinglestad Recycling Area being built
- Feasibility to be assessed of Variable Frequency Drives in MBR, and Carbon Dioxide sensors in the University Center
- Seek out SmartStrips for all Residence Halls
- Begin installation of the Rain Garden in the Fred L. Tobiason Outdoor Learning Center
- More permanent Bike Coop Signage will be evaluated
- Lighting retrofits will be scheduled for the Health Center, Facilities Management, Alumni House and Ordal Residence Hall
- Hong, Hinderlie and Kreidler Residence Halls will be put on light timers
- Hire new volunteer coordinator for habitat restoration
- Names Water Filter will be installed
- Compact Fluorescent Light Bulbs will replace incandescent light bulbs in all outer house facilities
- An aerator will be installed on the UC dish washing hose for an estimated water savings of 50%

Campus Culture

- Sustainability Department culture development day will take place in June
- Cool Schools Report will be submitted for review with the Sierra Club
- ChicoBags will purchased for Think Outside the Bag
- Submit AASHE proposals for presentations at Annual Conference
- The Recycling Spreadsheet will be corrected to reflect accurate data

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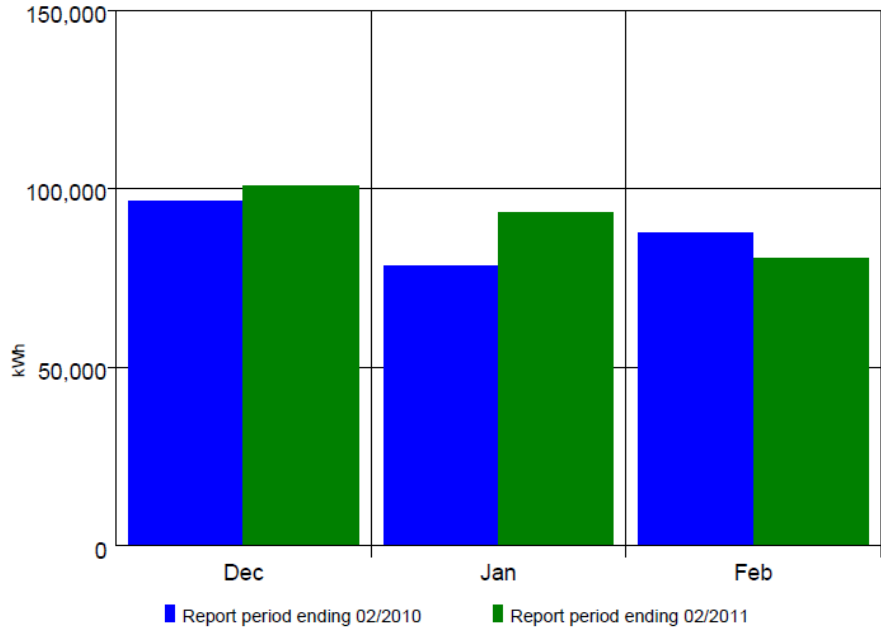
Executive Summary: Utility Billing Reports

- In comparison to the same quarter of 2010 (shown in blue), 2011(shown in green) water usage increased by 3 %.
- In comparison to the same quarter of 2010, 2011 natural gas usage stayed the same.
- Finally, in comparison to the same quarter of 2010, 2011 electricity usage dropped 3%.

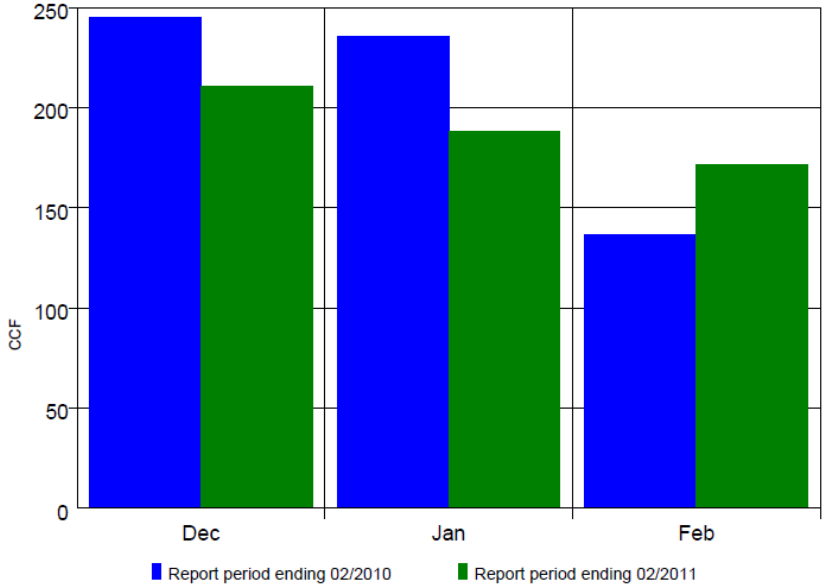
The following graphs depict the monthly quarterly comparison in select buildings.

Foss Residence Hall

Electricity

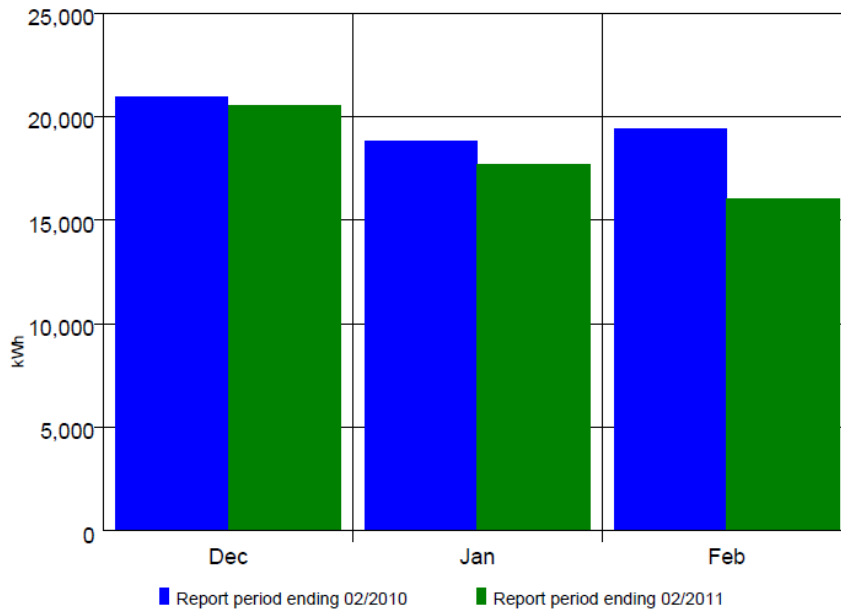


Water

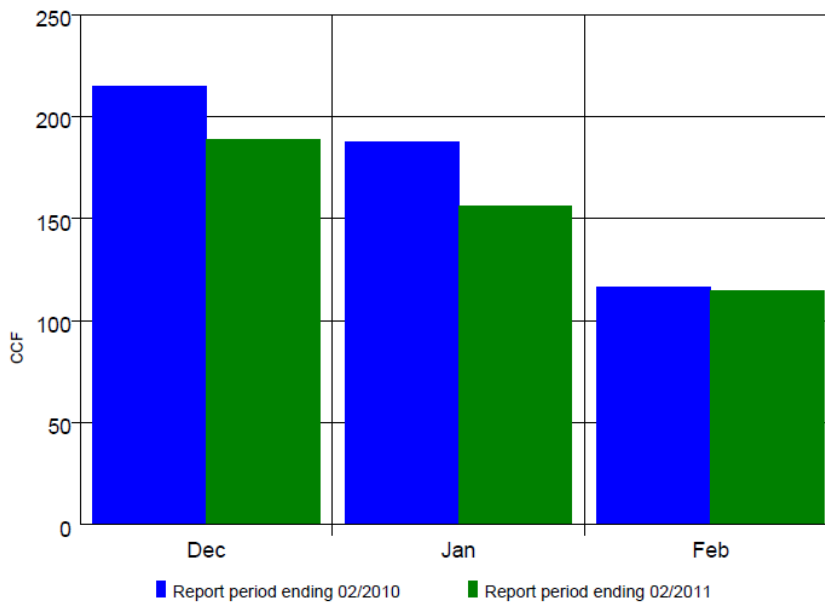


Harstad Residence Hall

Electricity

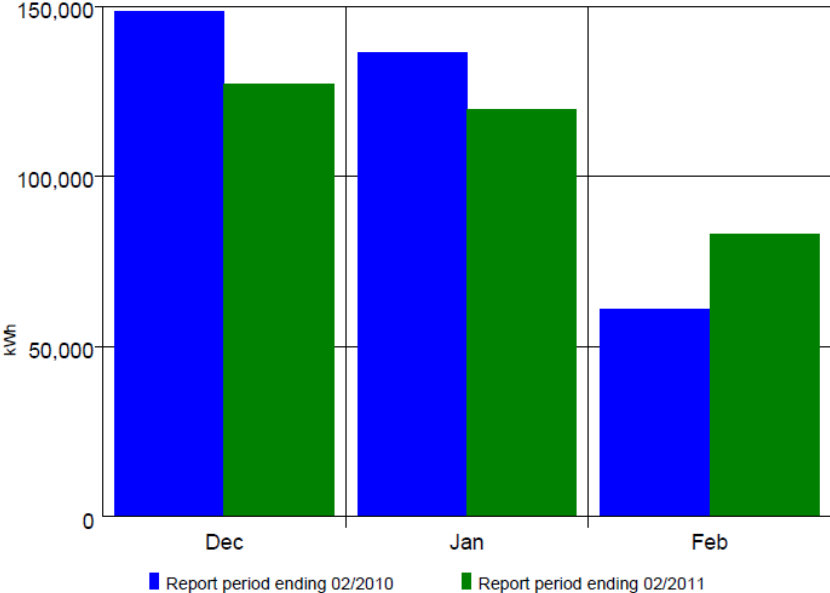


Water

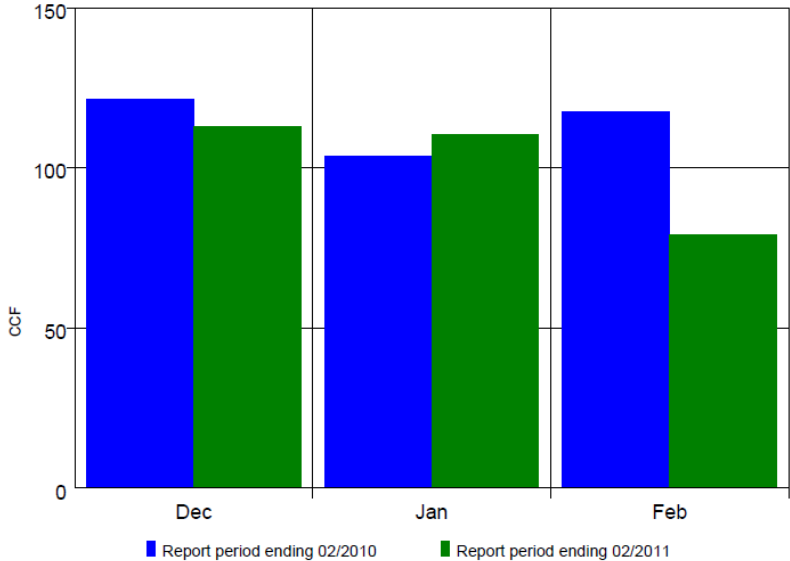


Hauge Administrative Building

Electricity

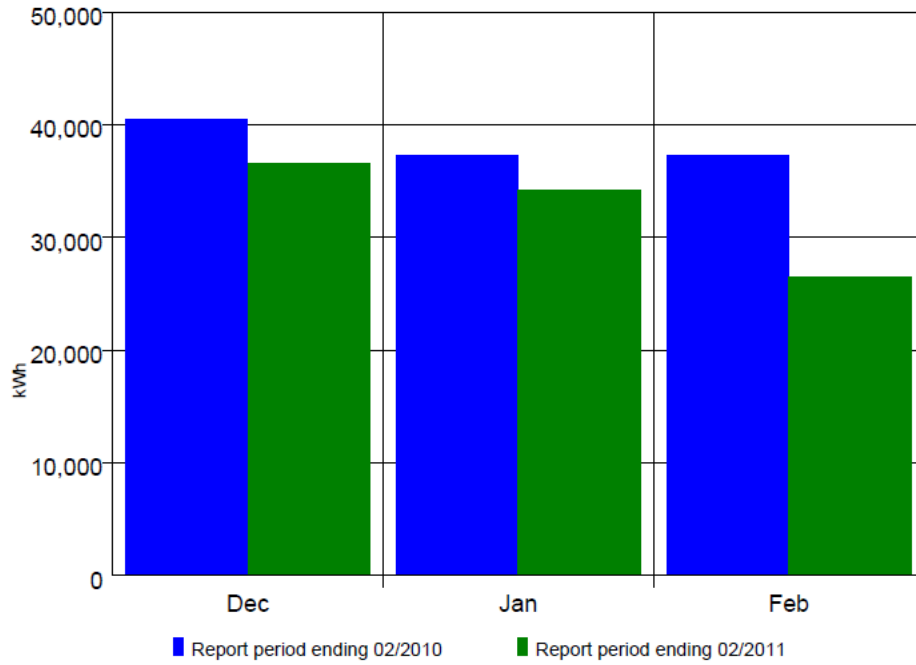


Water

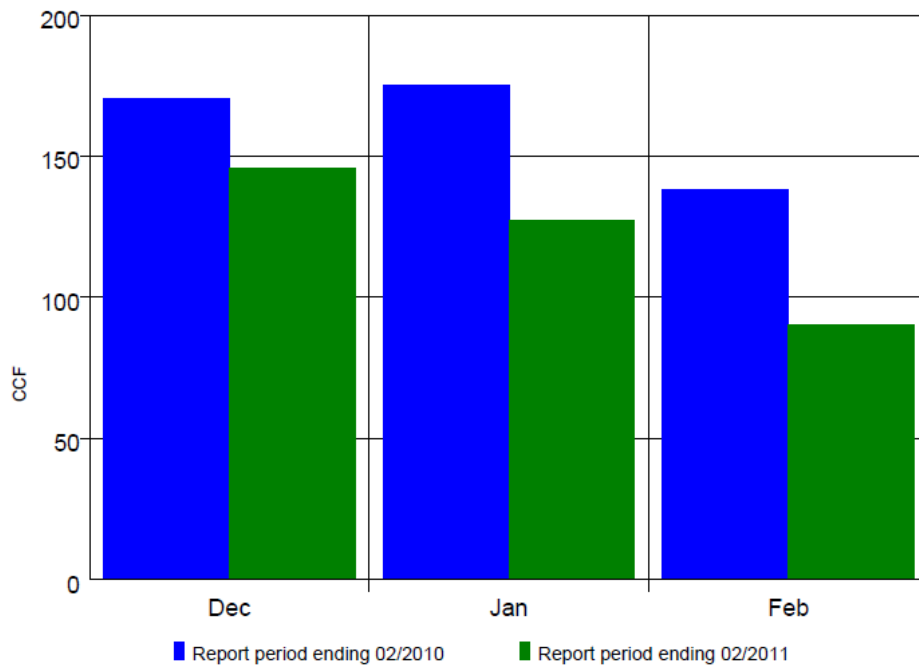


Hinderlie Residence Hall

Electricity



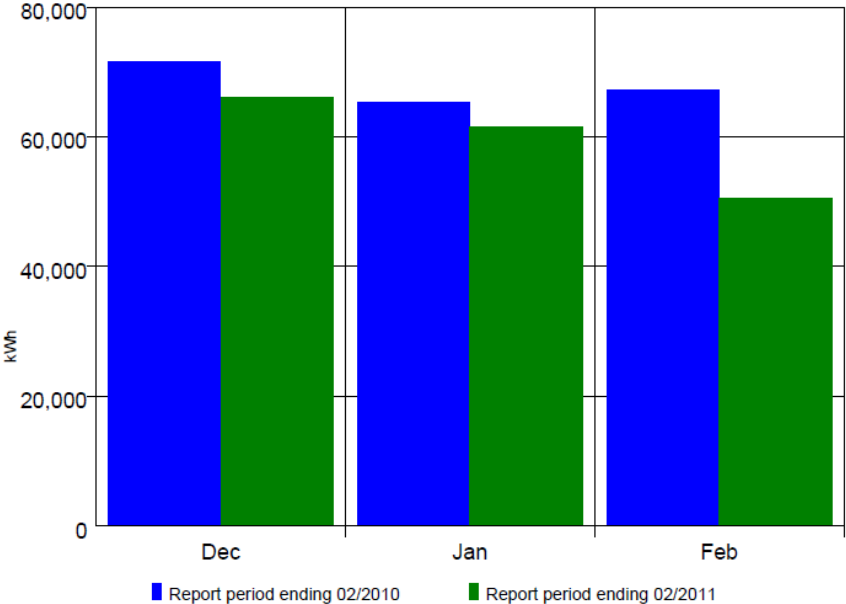
Water



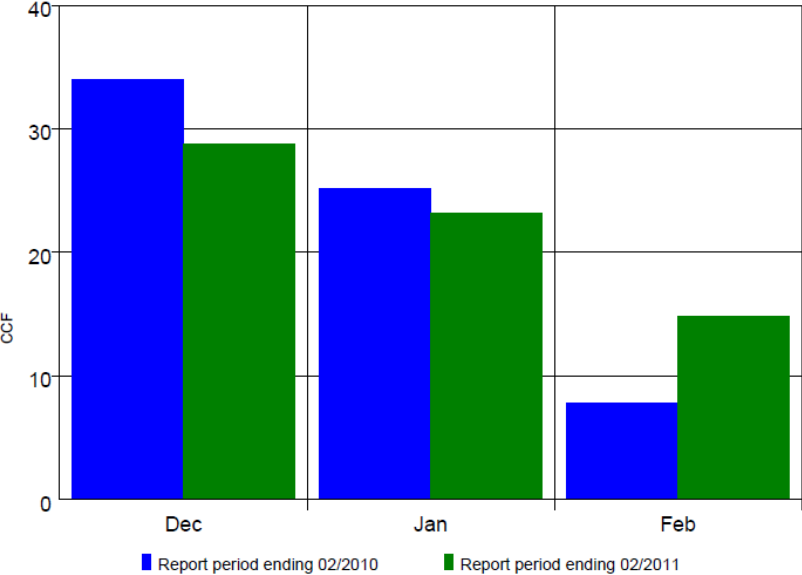
Note: Electricity to the Hinderlie meter includes Kriedler and Hong Residence Halls.

Mary Baker Russell

Electricity

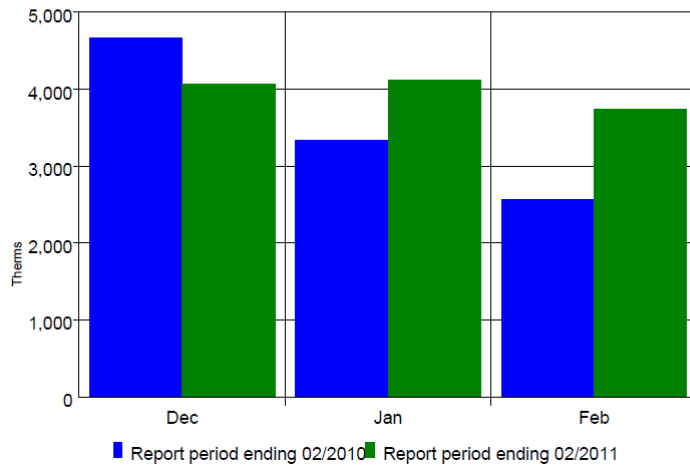


Water

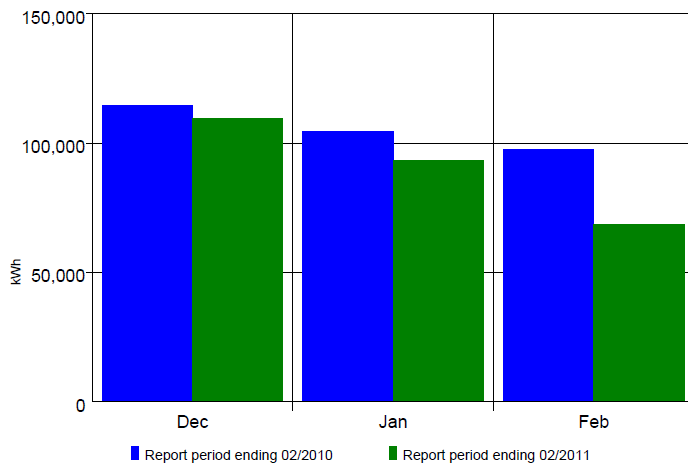


Morken Center for Learning and Technology

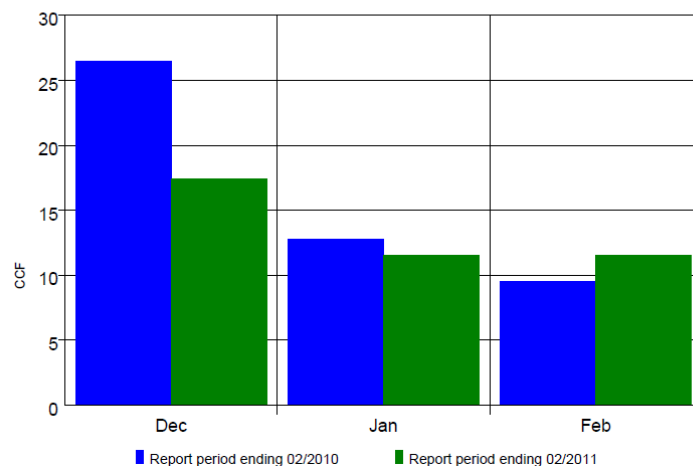
Natural Gas



Electricity

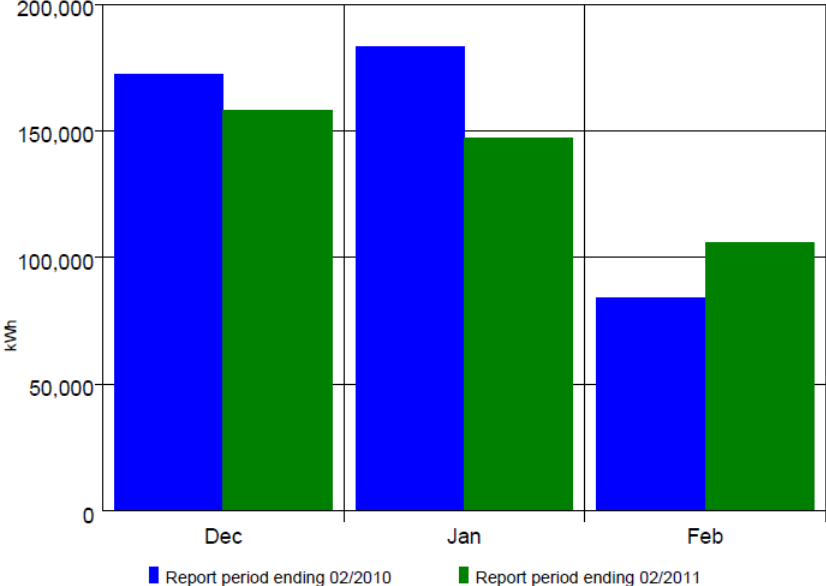


Water

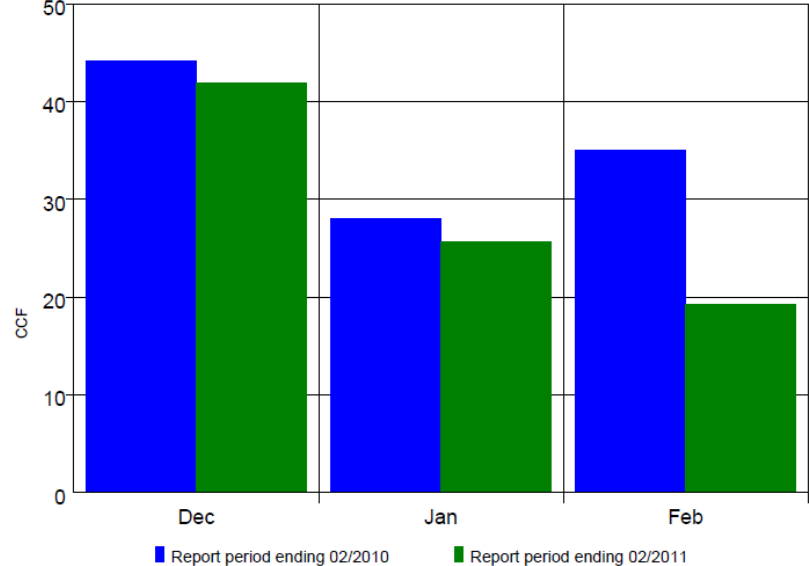


Mortvedt Library

Electricity

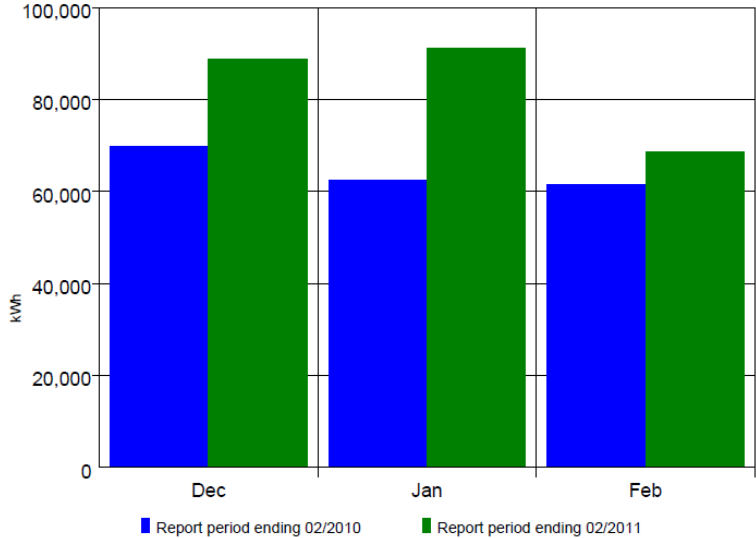


Water

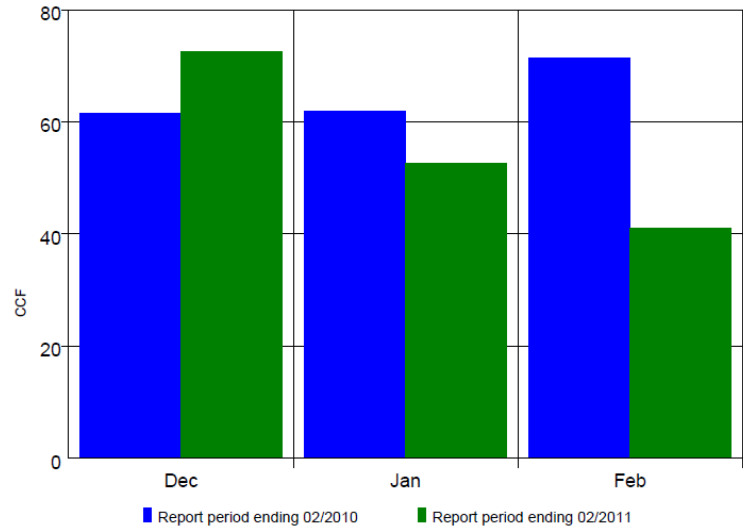


Olson

Electricity

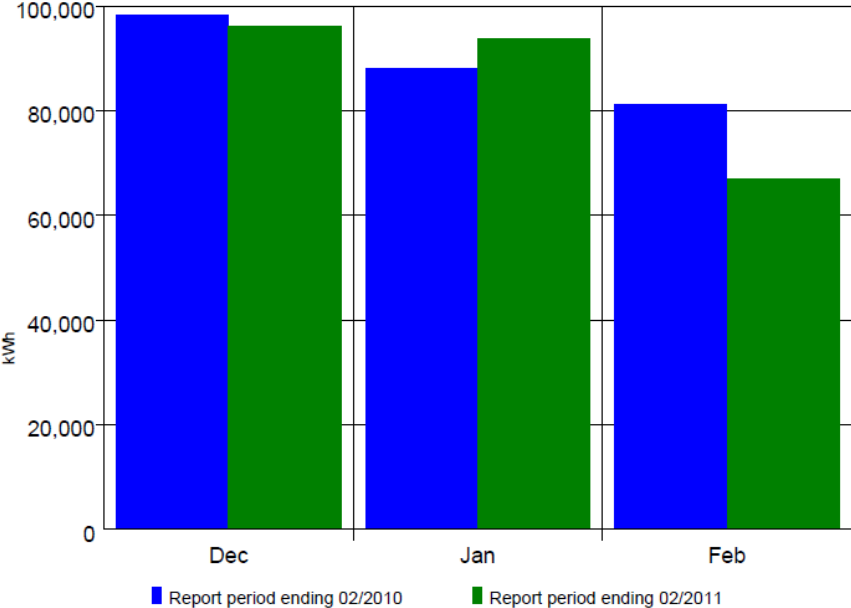


Water

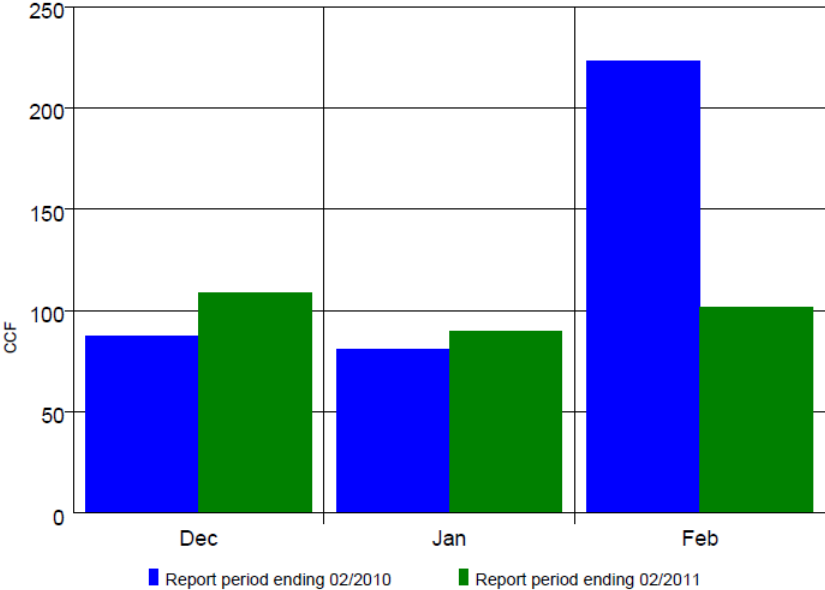


Pflueger Residence Hall

Electricity

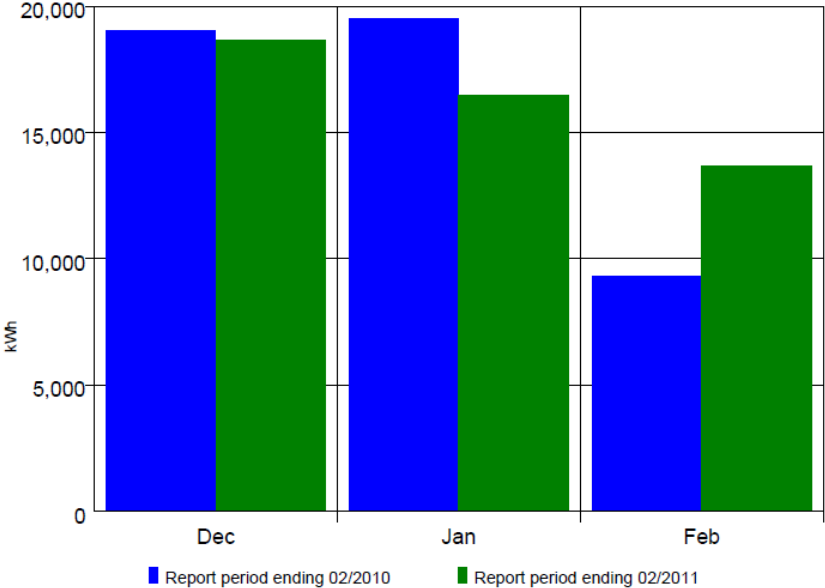


Water

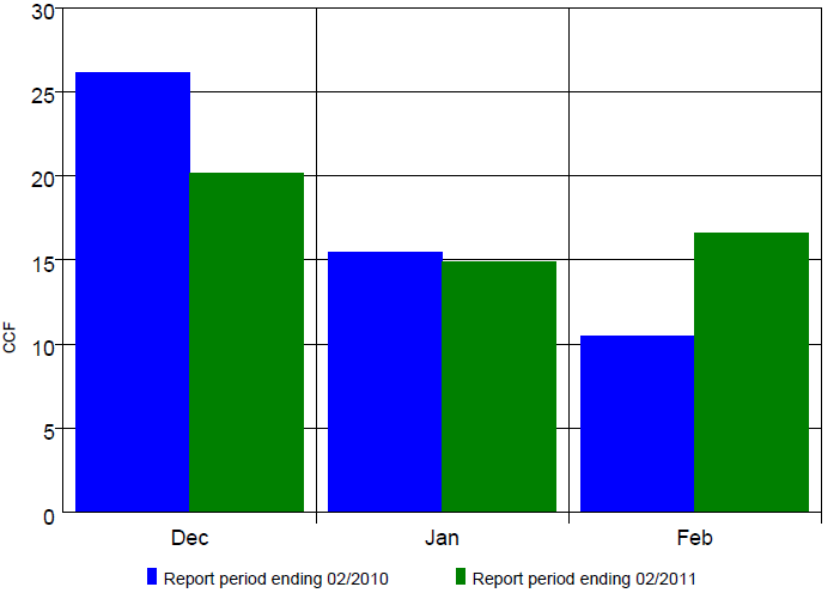


Ramstad

Electricity

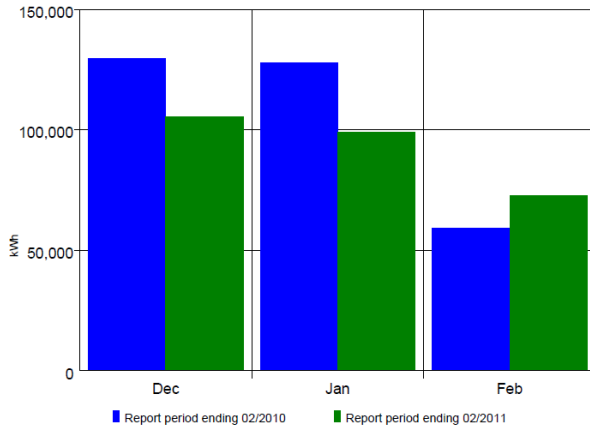


Water

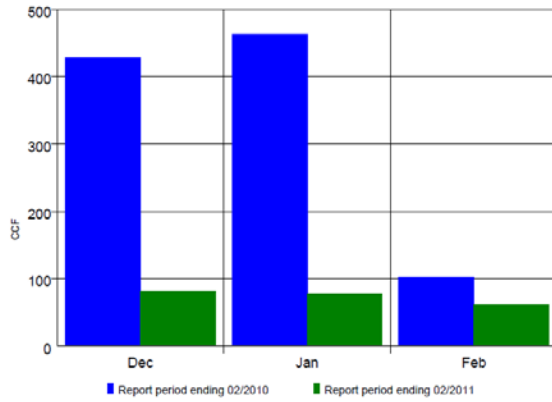


Rieke

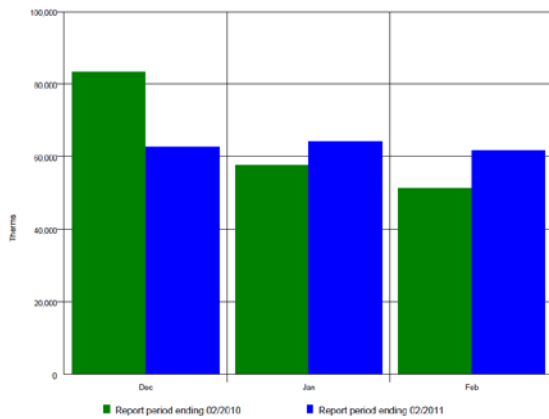
Electricity



Water



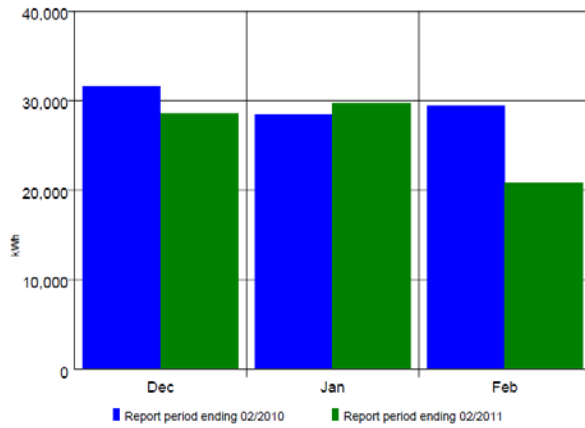
Natural Gas



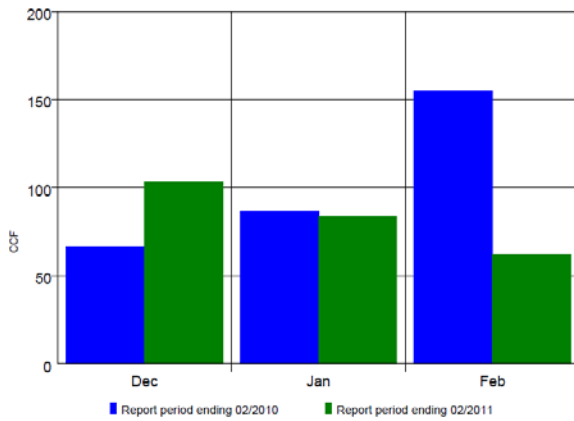
Note: Natural Gas for Rieke also runs to Hong, Hinderlie, Kriedler, and Eastvold.

Stuen Residence Hall

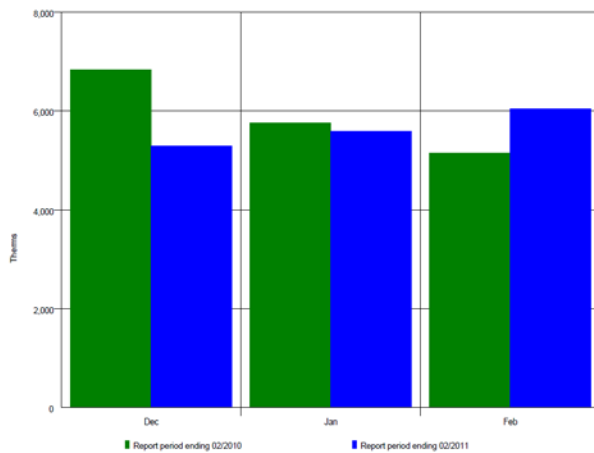
Electricity



Water



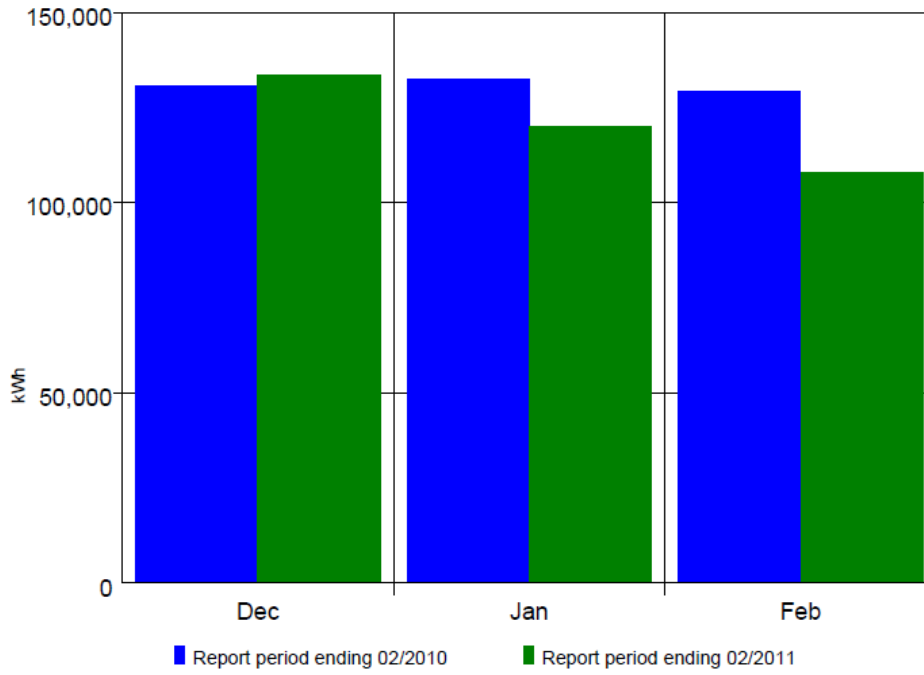
Natural Gas



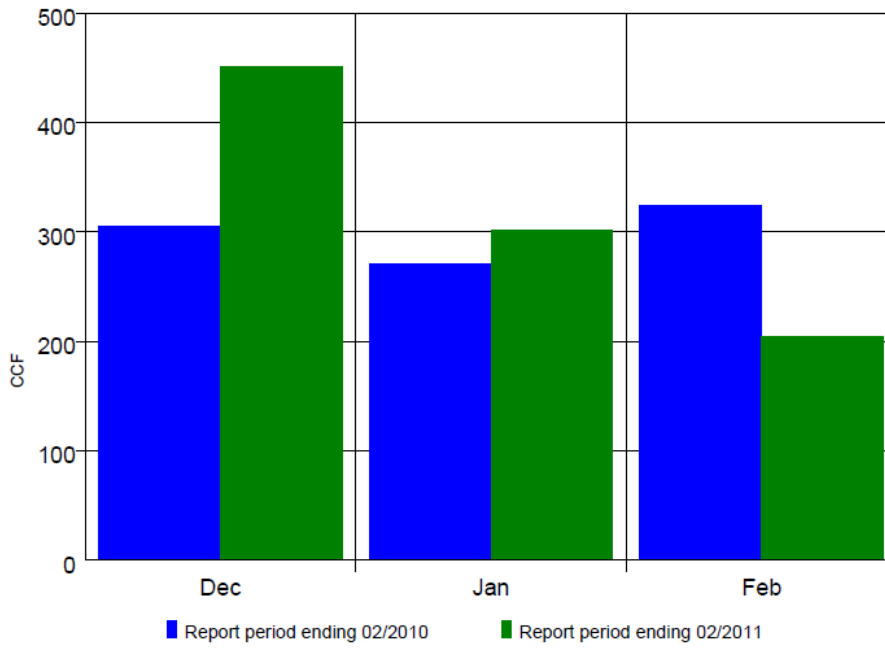
Note: Natural Gas for this building also runs to Ordal Residence Hall. Electricity to the Stuen meter include Ordal Residence Hall.

University Center

Electricity

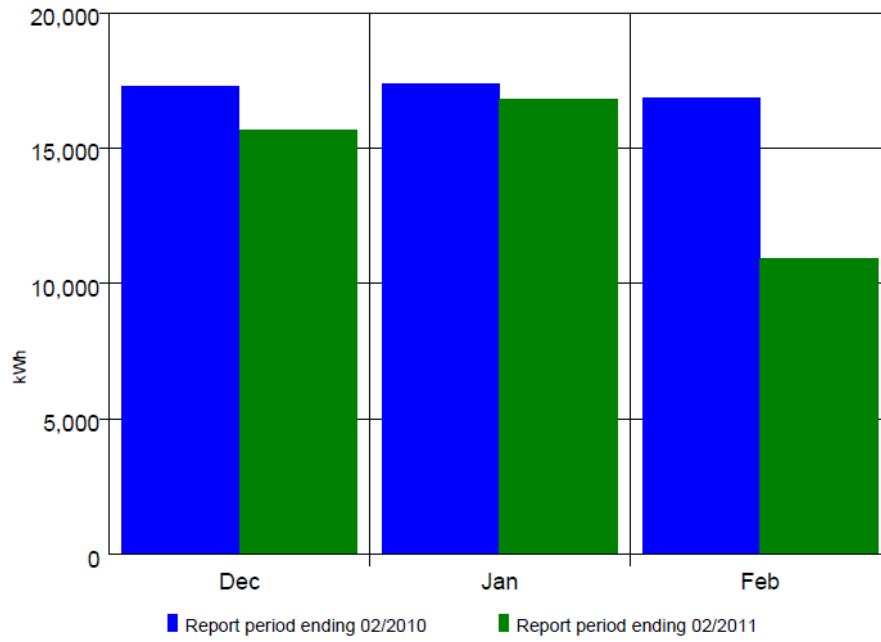


Water



Xavier

Electricity



Water

