

Portland Community College's Energy Saving Efforts of 2019

Focusing on Strategic Energy Associate's contributions

Anna Brown

Our Energy Team

Tony Ichsan, District Director, FMS
Sylvania Campus

Chris Villa, Rock Creek President, Executive
Sponsor, Rock Creek Campus

Brad Ortman, District Operations Manager,
Sylvania Campus

Briar Schoon, District Sustainability Manager,
Sylvania Campus

Elaine Cole, Sustainability Coordinator, Rock
Creek Campus

Anna Brown, Strategic Energy Management
Intern, Rock Creek and Sylvania Campus

Larry Osborn, Maintenance Manager Zone 2, SE,
Cascade, Metro, and Swan Island Campuses

Joe Gamble, Maintenance Manager Zone 1,
Sylvania and Newberg Campus

Sean Scorby, FOMS III (Facilities Operations
Maintenance Specialist) (HVAC), Sylvania Campus

Mitch Kilgore, Maintenance Manager Zone 3, Rock
Creek and Willow Creek Campus

Jimmy Hood, FOMS II (HVAC), Sylvania Campus

Doug Jay, FOMS III (HVAC), Rock Creek Campus

Evan Smith, FOMS II (HVAC), Rock Campus

Mark Erickson, Lead Electrician, District-Wide

Wendy Gibson, SEM Energy Coach, Energy Trust of
Oregon

Dusty Farrell, SEM Energy Coach, Energy Trust of
Oregon

2019 Achievements

1. Computer Shutdown Initiative with IT, district-wide shutdown of computers by 11 pm each night
2. Completed all Annual Plan Action Items
3. Expanded our Energy Team to involve more FMS staff district-wide
4. Occupant Engagement Activities at Sylvania and Rock Creek:
 - EcoChallenge
 - Computer Shutdown Initiative with IT
 - Panther Print and Personal Printer Reduction
5. Executive Sponsor engagement

Energy Savings - 2019

Rock Creek

258,533 kWh

28,648 Therms

Sylvania

192,915 kWh

3,599 Therms

Total

451,448 kWh

32,247 Therms

2020 Vision and Priorities

We are expanding not only our team, but also the reach of Rock Creek projects and energy savings to include more efforts at Sylvania and district-wide. Our 2020 expectations are ambitious with over 13 occupant engagement and technical goals to be completed by the end of the year.

Energy Priorities for 2019:

1. Continue strategic scheduling of buildings and closures
2. Personal Printer Reduction
3. Occupant and Team engagement



Rick Moats of Tesla visited Rock Creek Campus twice in 2019 to provide institutional knowledge to tour participants and inspire people to go solar and reduce energy consumption.

SEM Milestones Earned in 2019

- Annual Energy Plan - \$1,000
- EMA Action Plan - \$ 1,000
- Performance Tracking - \$1,000
- Energy O&M Projects - \$1,000
- Total Combined Incentive Amount -
\$10,213.68

A Full List of Anna's Accomplishments

- Updated SEM documents for PCC Website through WordPress
- Attend workshops
- Utilized Building OS and Dashboards
- Building Modeling with new energy sheets and record a tutorial
- Saved college over 50K in energy savings
- Help to meet all deadlines and Annual Plan goals
- Conduct Solar Tours
- Create marketing materials to promote SEM
- Executive summary of building models
- Leadership meetings
- SEM Champion recognition
- Earth Week projects and solar tour
- Printer walkarounds, transition to new program, create documents on and teach people secure print
- SLC Scope I & II meetings
- Spring, summer, and winter shutdown graphics and communications
- EcoChallenge!
- Trash audit
- Build executive sponsorship to expand SEM district-wide
- Potty Press marketing
- Green Team meetings
- Google form "suggestion box"
- Gas curtailment - met with NW Natural rep to save the college ~\$4K per month and prep for the next curtailment
- Rock Creek connection marketing
- Built trust with coworkers to share a passion for energy savings
- Help draft 2020 Annual Plan
- District Shutdown initiative
- Strategic Scheduling initiative
- Professional Development:
 - BOA Webinars
 - ASEE Webinars
 - WOHEC Conference
 - Sustainability related classes and conferences
- Submitted to WOHEC 2020
- Nominated for Wrench of the Year (AEE)

