

### Who is leading the effort?







## Who is leading the effort?

- Administration
  - Jen Piper, SEM Executive Sponsor
- Energy Team Leaders
  - Elaine Cole, Energy Champion
  - Brad Ortman, Back-up Energy Champion

#### Energy Team Members

- Briar Schoon
- Stephania Fregosi
- Krista Phillips
- Larry Osborn
- Joe Gamble
- Sean Scorby
- Mitch Kilgore
- Jimmy Hood
- Doug Jay
- Evan Smith
- Mark Erickson
- Amelia Palmer Hansen/Farid Kayali





# Why are we doing this?

#### We are all in this Together



Everyone has a responsibility for energy awareness and energy management in their work!





Who is leading the effort?

#### **SEM Coaching Support**

- Annual Planning
- Engagement
- Monthly Operations Calls
- Measurement and Verification
- Building Opportunity Assessments

# Dusty Farrell, SEM Energy Coach, Energy Trust of Oregon

#### 2020:

Alex Bertolucci, SEM Energy Coach, ETO Wendy Gibson, SEM Energy Coach, ETO



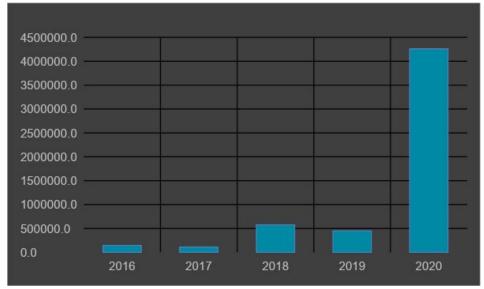


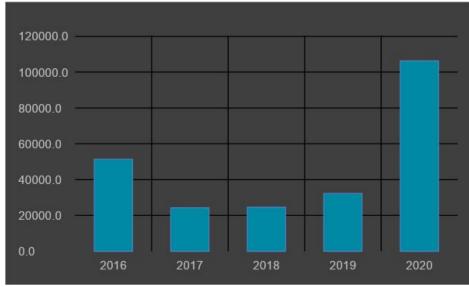
#### **SEM Milestones Earned in 2020**

- Annual Energy Plan March 12, 2020
- Standard Operating Procedure May 7, 2020
- Energy Team July 16, 2020
- Standard Operating Procedure Resiliency July 23, 2020
- Energy O&M Projects September 10, 2020
- Executive Sponsor Engagement December 10, 2020
- New Intern Incentive
- \$1,000/incentive to date PCC has received over \$83,000 in cash incentives



# **Overall Savings**



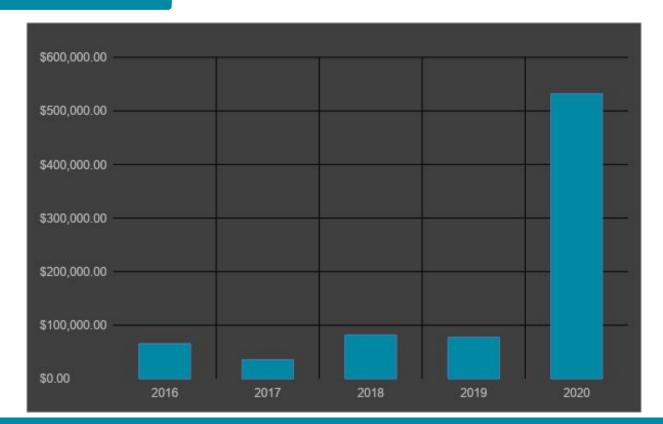


Source:

Dropbox -> SHARED - PCC -> Archived -> PCC RC\_SY 2015 - 2018 Total SEM Savings Summary



#### **Avoided Cost**



Source:
Dropbox ->
SHARED - PCC ->
Archived ->
PCC RC\_SY 2015
- 2018 Total SEM
Savings Summary



# SEM Team's Accomplishments

- Strategic Scheduling Plan
- Shutdown
- Events2HVAC
- Class scheduling
- **♦** 50001 Ready-USDOE
- Night Audit Project Management
- Maps and diagrams
- Energy Systems Conceptual Map
- Energy Systems Google Earth Map
- HVAC Zoning Map
- Meter Maps
- Emergency System Conceptual Map
- Carbon Offset Diagram
- BAS Map

- Energy STAR Portfolio Manager
- **♦** Higher Education Benchmarking Initiative
- Energy Resiliency SOP
- MEP (Mechanical-Electrical-Plumbing) Data
- Tools & Software from DOE
- Heat Map (Dusty)
- Technology Roadmap Heating and Cooling Equipment
- Climate Action Plan (Scope I & II)
- Saved college over 500K in energy savings
- iTree ( Ecosystem Analysis)
- Outreach (PowerShift)





# SEM Team's Accomplishments

- Updated SEM documents
- Attended ETO workshops
- Utilized Building OS and Dashboards
- Building modeling with new energy sheets
- Help meet all SEM deadlines and incentives
- Help draft 2020 Annual Plan

- Association for the Advancement of Sustainability in Higher Education Conference-attended
- Create marketing materials to promote SEM
- Quarterly SEM Leadership meetings
- Earth Week participation
- EcoChallenge participation
- ❖ Rock Creek GreenTeam meetings





# Strategic Scheduling Opportunities

- I. Optimizing Class Scheduling
- II. Occupancy Scheduling
- III. District-wide shutdown







#### **ETO's SEM Awards**

- Most Engaged Energy Team
- Exemplary Employee
   Engagement for Remote
   Operations
- Earned all of the milestones
- Above and Beyond Award (Jimmy Hood)
- Attended the most monthly operations calls







#### **ETO's SEM Awards**

- Most Engaged Energy Team
- Exemplary Employee Engagement for Remote Operations
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- Above and Beyond Award (Jimmy Hood)
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### **Questions?**





# **Old graph**

