

Commercial SEM Annual Energy Plan 2020

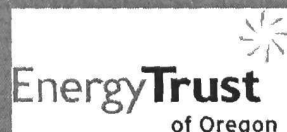
Portland Community College

Elaine Cole, PhD, Energy Champion

Rock Creek – 17705 NW Springville Road,
Portland, OR 97229

971-722-7635

elaine.cole16@pcc.edu



Contents

1. 3

2. 3

3. 4

Total 2020 Organizational Goals 4

4. 6

5. 8

PORTLAND COMMUNITY COLLEGE

1. Annual Energy Plan Summary

Instructions: Use this template to create a blueprint for your organization's enrollment year goals. It is intended to focus your priorities and is a living document that you can update. Use this completed plan throughout the year as a high-level reference to your more detailed documents.

The PCC SEM Leadership Cohort will continue a wide variety of operational and mechanical energy conservation projects at Rock Creek, Sylvania while expanding these efforts to the SE campus for year six. We continue to broaden our SEM Cohort membership to include additional FMS staff and academic leaders. A diverse and creative list of challenging educational objectives round out our 2020 SEM Engagement Goals to foster occupant engagement and communication of energy conservation policy, efforts, and savings.

2. Energy Team Roster

Instructions: Write down the name, role, and contact information of each member on your energy team. Update this table if there is any transition on your team at your organization throughout 2020.

Name	Energy Team Role	Email	Phone Number
Elaine Cole	Energy Champion	elaine.cole16@pcc.edu	971-722-7635
Chris Villa	Executive Sponsor	chris.villa@pcc.edu	
Tony Ichsan	Executive Sponsor	Tony.ichsan@pcc.edu	971-722-4338
Brad Ortman	Back-up Energy Champion	brad.ortman@pcc.edu	
Larry Osborn	Team Member	laurence.osborn@pcc.edu	971-722-5510
Farid Kayali	Intern	farid.kayali@pcc.edu	310-972-8104
Briar Schoon	Team Member	briar.schoon@pcc.edu	-8322
Stephania Fergosi	Team Member	stephania.fregosi@pcc.edu	
Joe Gamble	Team Member	joe.gamble@pcc.edu	
Sean Scorby	Team Member	sean.scorby@pcc.edu	
Mitch Kilgore	Team Member	mitch.kilgore@pcc.edu	503-422-6079
Jimmy Hood	Team Member	Jimmy.hood@pcc.edu	971-269-5731

Doug Jay	Team Member	Doug.jay@pcc.edu	
Evan Smith	Team Member	Evan.smith@pcc.edu	
Mark Erickson Electrician	Team Member	Mark.erickson3@pcc.edu	
Krista Phillips	Team Member	Krista.phillips@pcc.edu	

3. Organizational Energy Savings Goals and Targets

Instructions: This section is meant to evaluate and communicate savings potential — above and beyond prior years — at strategically enrolled sites:

- First, consider previous savings at sites enrolled in the SEM program with priority projects.
- Second, set a savings target for each site. You can either find information about your baseline energy usage on your PTT or ask your technical coach for assistance.
- Third, combine site targets to create annual fuel goals to guide your efforts in 2020.

Total 2020 Organizational Goals

Fuel	2020 Goal	2019 Percent of Baseline	Long-term goal
Electric		5%	5%
Gas		3%	3%
Other (GHG, etc.)			

	Building Name	Prior Year Savings Electric	Prior Year Savings Gas	Electric Baseline	Gas Baseline	2020 Savings Target Electric (5%)	2020 Savings Target Gas (3%)
1.	Rock Creek - Bundle	218,642	24,930	3,247,032	148,930	162,352	4,468
2.	Rock Creek - Bldg. 7	41,907	3,159	1,329,200	55,255	66,460	1,658
3.	Rock Creek - Bldg. 9	-29,678	-949	1,001,932	14,785	50,097	444

4.	Sylvania Bundle	192,915	2,563	10,197,334	483,257	509,867	14,498
5.	SE Campus	0	0	?	?	?	?
6.	Willow Creek						

4. Operations and Maintenance Projects

Instructions: Select at least five energy-saving projects from your Opportunity Register(s). This form provides ten rows to correspond with the Operations and Maintenance (O&M) milestone incentive due September 10, 2020. You can receive \$100 per project, up to ten projects for a total of \$1,000.

Rock Creek Opportunity Register Item #	Building Name	Project Name (copy from Column C of Opportunity Register)	Person/s Responsible	On previous annual plan?	Target Completion Date	Status	Status Notes
1 #47	Building 9	Walk through SEM Technical Coach Dusty and PCC FMS staff to assess issue of high use of natural gas and other ways to conserve energy	Mitch, Elaine	<input type="checkbox"/>	February 27, 2020 walk through for Willow Creek and Rock Creek	Reassess building energy use for better utilization of solar farm too?	Jimmy, Dusty, Mitch
2 #48	Rock Creek and Willow Creek Center	Review and adjust optimal start stop times for EMS at RC and WCC	Mitch Kilgore	<input type="checkbox"/>	August 1, 2020		
3 #49	Rock Creek and Willow Creek Center	Confirm economizer function and OSA minimums at RC and WCC	Mitch Kilgore	<input type="checkbox"/>	June 1, 2020		
4 #50	Willow Creek Center lobby, 3 rd floor, Rock Creek building 7, 9-library	Test night flush function of all operable windows and make repairs as necessary	Mitch Kilgore	<input type="checkbox"/>	August 1, 2020		

5	#51	Building 9	Work on B9 balance report discrepancies list (select low cost items)	Mitch Kilgore	<input type="checkbox"/>	August 1, 2020		
6	#53	Building 2	B2 exterior light pole upgrades to LED 19ea	Mitch Kilgore	<input type="checkbox"/>	June 1, 2020		
7	#54	Building 7	B7 exterior light pole upgrades to LED 19ea	Mitch Kilgore	<input type="checkbox"/>	June 1, 2020		
8	NA	Willow Creek	TBD after 2/27 BOA	Mitch Kilgore		August 2020		

	Sylvania Opportunity Register Item #	Building Name	Project Name (copy from Column C of Opportunity Register)	Person(s) Responsible	On previous annual plan?	Target Completion Date	Status	Status Notes
1.	#30	CC	CC Van Efficiency	Joe Gamble	<input type="checkbox"/>	2/1/2020		
2.	#31	CC	Check with IT about raising set point in the IDE room.	Joe Gamble	<input type="checkbox"/>	6/1/2020		Meet with Frank 3 or 4 meetings
3.	#32	CC	Condenser Coil Cleaning	Joe Gamble	<input type="checkbox"/>	3/1/2020		
4.	#38	AM	Work with custodial start time in winter quarter	Joe Gamble	<input type="checkbox"/>	4/1/2020		
5.	#20	HT	Verify Actuator for rooms: 113 A and 113 B	Joe Gamble	<input type="checkbox"/>	2/1/2020		
6.	#22	CC	Adjust hours for cafeteria lighting	Joe Gamble		2/1/2020		

7.	#39	SY	Personal appliance walk about for energy savings and safety	FMS Tech team-Joe Gamble, Farid		8/1/2020	Calculators available for use	Lights, computers, personal appliances,
8.	#40	SY	LED Audit	Mark-Farid Kayali		4/1/2020	Buildings TBD	Incentives list
9.	#41	SY-HP	Chiller PMs (Preventive maintenance)	Joe		6/1/2020		
10.	#42	SY-HP	South cooling tower replace motor	Joe		6/1/2020		

	Southwest Opportunity Register Item #	Building Name	Project Name (copy from Column C of Opportunity Register)	Person(s) Responsible	On previous annual plan?	Target Completion Date	Status	Status Notes
1.		Southeast	Benchmark	Larry Osborn		April 15, 2020		
2.		Southeast	Mapping utilities	Larry Osborn		April 15, 2020		
3.		Southeast	Schedule BOA with Dusty	Larry Osborn		April 15, 2020		
4.		SE	TBD after 3/25 BOA	Larry Osborn				
5.								
6.								
7.								
8.								

5. Organizational EMA Action Items

Instructions: Select five organizational and/or engagement action items from your Energy Management Assessment (EMA) Action Plan that you intend to complete by July 23, 2020, which is the due date for the Occupant Engagement milestone incentive. You could also include other organizational action items that were not included in EMA Action Plan. These items should be related to people, processes and organizational systems, not capital projects or Operations and Maintenance projects.

EMA Item Number	Building Name	EMA Action Name	Person(s) Responsible	On previous annual plan?	Target Completion Date	Status	Status Notes
1.	District-RC	Continue work on strategic scheduling for the summer-condense class schedule+tighter controls of campus schedule R25	Elaine, Farid, SEM stakeholders	<input type="checkbox"/>	July 15, 2020		Meet with Troy + Charles and PCC staff Sean Scorby, Re.R25 Mt.Hood CC
2.	SE, Willow Creek Center	Communication plan to occupants for energy enrollment and conservation SE and WC	Farid, Elaine	<input checked="" type="checkbox"/>	5/27/2020		Draft content for all campus emails, SEM website update
3.	9.22 District	Regularly report on energy performance and achievements to management. Schedule quarterly SEM leadership team meetings to report out to Executive Sponsor.	Elaine, Farid	<input checked="" type="checkbox"/>	5/1/2020	Completed-meetings set	Content for Rock Creek Connections
4.	District	Support FMS staff in attending SEM technical workshops and meetings in 2020.	Brad, Mitch	<input type="checkbox"/>	7/15/2020		
5.	Sylvania or Rock Creek	Offer to host SEM workshop at Sylvania or Rock Creek	Elaine, Farid and Natalie	<input type="checkbox"/>	2/30/2020	Completed, April technical workshop at SY	

6.	District-wide	Write an article for PCC website about SEM team, FMS heroes behind the scenes.	Elaine, Briar, & Farid	no	March 1, 2020	
7.	District-wide	Finalize Acct for SEM incentives to go into. Establishing guidelines for use to monitor budget	Briar and Energy Manager	yes	May 1, 2020	
8.	District-wide	Communication outreach plan to support FMS Operations and Management activities Email for Evan Smith to Live 25-Lock+unlock to get a snap shot Pilot at RC-meet w/ Anna Tannehill RC scheduler, classroom, Cheryl Scott, division deans. Jimmy, Sean, Doug, Look at 2 week schedule	Farid, Elaine, Stephania, and whole team	no	July 15, 2020	
9.	District-wide	Reassess contract with NW Natural to join different rate program for curtailment issues.	Tony	no	July 15, 2020	

Approved By [Signature]

Executive Sponsor

2/20/2020
Date

Approved By [Signature]

Energy Champion

2/20/2020
Date



Strategic Energy Management Offering

Existing Buildings | Continuation Milestones | Form 101_{SEM-B}



Program Use Only	
Project ID	Cohort #

Participant/Organization Name: Portland Community College
(must match SEM Enrollment Agreement)

Annual Energy Plan

Milestone Due Date: March 12, 2020

Milestone Incentive Description and Directions: In order to request a milestone incentive for this activity, submit all of the following confirming that you successfully completed all of the action items listed below by the milestone due date.

- This page of the **Form 101 SEM-B** signed by Participant's representative.
- Met with Energy Coach to discuss finalized Annual Energy Plan (completed from template) and confirmed that projects designated for annual focus can drive organization to meet savings goal(s).
- Attached a completed Annual Energy Plan in the provided template, signed by the Executive Sponsor.

Incentive payments for verified milestones achievements will be contingent on Energy Trust's review and verification of Participant's documented milestone.

Milestone Incentive Amount	\$1,000
----------------------------	---------

FOR PARTICIPANT: By signing below, you agree that all actions indicated above have been completed as required to request this milestone incentive.

Print Name: <u>Elaine J. Cole</u>	Title: Energy Champion (or authorized Energy Team member)
Signature: <u>Elaine J. Cole</u>	Date: <u>2/20/2020</u>

Program Use Only	<i>Date All Required Checklist Items Above Received by Energy Coach:</i>
Energy Coach confirms that all items in the checklist above are attached and/or complete and received by Energy Coach by the milestone due date.	
Print Name:	Title: Energy Coach
Signature:	Date:

Return completed form to:

Existing Buildings — Strategic Energy Management

615 SW Alder Street, #200 ♦ Portland, Oregon 97205
1.866.605.1676 ♦ Fax 503.525.6150
existingbuildings@energytrust.org