

# Commercial SEM Annual Organizational Energy Plan 2019

Portland Community College

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# || ORGANIZATION NAME

## 1. Annual Organizational 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.

Write a high-level summary of your energy saving plans for 2019. Three to five sentences are sufficient.

The PCC SEM Leadership Team will continue 15 operational and mechanical energy conservation projects at Rock Creek while expanding these efforts to the Sylvania campus for year five. A diverse and creative list of educational objectives round out our 2019 SEM Engagement Goals to foster occupant engagement and communication of energy conservation policy, efforts, and savings.

## 2. 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.

1. Consider savings-to-date at sites with priority projects.
2. Set a savings target for those sites.
3. Combine site targets to create annual fuel goals to guide your efforts in 2019.

### Total 2019 Organizational Goals

Fuel	2019 Goal	Percent of Baseline
<b>Electric</b>	17,905,930 kWh 2014 is RC, 2015 Sylvania useage # for both campuses  895,000 kWh increase is 5% over	5% both campuses
<b>Gas</b>	588,561 Therms 2014 RC, 2015 SY usage # of our baseline at Sylvania and RC	3% for both campuses

	Building Name	Prior Year Savings Electric	Prior Year Savings Gas	2019 Savings Target Electric	2019 Savings Target Gas	% of baseline
1.	Rock Creek 2	159,130 kWh	0	5%	3% 1,700 Therms	5%
2.	Rock Creek 9	0	0	5%	3%	5%
3.	College Center Bldg.	0	0	1% of baseline	0	1% kWh baseline

4.	Health Technology Bldg	0	0	1% of baseline	0	1% of kWh baseline
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### 3. Targeted Opportunity Register Projects

**Instructions:** Select at least five energy-saving projects from your Opportunity Register(s) (Energy Action List). This form provides ten rows to correspond with the Operations and Maintenance (O&M) milestone incentive due **June 27<sup>th</sup> and October 17, 2019**. You can receive \$100 per project, up to ten projects for a total of \$1,000 **per year**.

	Rock Creek Opportunity Register Item #	Building Name	Project Name (copy from Column C of Opportunity Register)	Person(s) Responsible	Target Completion Date	Status
1.	39	RC, Bldg 9	Correct issues identified in balance report	Mitch	5/31/2019	Completed 6/3/19
2.	40	RC Bldg 2	Remove old pneumatics and replace with DDC controls. Turn off compressor that served pneumatics	Mitch	3/31/2019	Completed 1/15/2019
3.	41	RC Bldg 9	Calibrate sensors to assure accurate readings for DDC controls	Mitch	6/30/2019	Completed 6/3/19
4.	42	RC Bldg 2	Calibrate sensors to assure accurate readings for DDC controls	Mitch	Roll up doors Completed 2018	Completed 6/30/2019
5.	43	RC Bldg 2	Install soft start on EF- 5	Mitch	6/30/2019 Balance report complete Bond will pay for install	Completed 6/1/19
6.	44	RC Bldg 2	Install soft start on EF-6	Mitch	6/30/2019 Balance report complete Bond will pay for install	Completed 6/1/19
7.	45	RC Bldg 2	Install soft start on EF-7	Mitch	6/30/2019 Balance report complete Bond will pay for install	Completed 6/1/19
8.	46	RC Bldg 2	Install soft start on EF-8	Mitch	6/30/2019 Balance report complete Bond will pay for install	Completed 6/1/19

	Sylvania Opportunity Register Item #	Building Name	Project Name (copy from Column C of Opportunity Register)	Person(s) Responsible	Target Completion Date	Status
1.	14	HT	Install occupancy sensors in Dental classrooms to turn lights off when not in use.	Joe	3/31/2019	Complete 3/31/2019
2.	17	HT	Vacuum system for Dental runs 24/7. Make changes to system so it can be turned off when not in use.	Joe	2/29/2018	Completed 2/15/19
3.	21	HT	Control Gym fans to turn off or go to low speed when Gym not in use.	Joe	7/31/2019	Completed 5/15/19
4.	24	HT	Replace remaining pneumatics with DDC controls. Gym only.	Joe	7/31/2019	Complete 3/31/2019
5.	11A	HT	Install occupancy sensors in tunnel to turn lights off when not in use.	Joe	9/30/2019	Completed 1/15/19
6.	11B	CC	Install occupancy sensors in tunnel / loading dock to turn lights off when not in use.	Joe	9/30/2019	Completed 1/15/19
7.	1	Campus	Schedule opps assessments to identify more savings opportunities.	Dusty, Brad, Joe, Laura	5/30/2019	Completed 4/24/2019

## 4. 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 **September 5, 2019**, when the Implement EMA Action Plan milestone incentive is due.

	EMA Item Number	Building Name	EMA Action Name	Person(s) Responsible	Target Completion Date	Status
1.	1.21	District (all campuses and centers)	Develop and roll-out a leadership communication for both Rock Creek and the Sylvania campus to share PCC energy policy to employees and students	Elaine, Anna	January 31, 2019	Completed February 24, 2019
2.	2.21	District	Review the energy team members and roles and retune as needed to reflect the changes amongst the team, projects and sites of focus for current year as well as 2019. Recommend a good core group and incorporating (where needed) diverse representation including staff, teachers and students.	PCC SEM Leadership Team	January 30, 2019	Completed March 12, 2019
3.	8.21	District	Set a process and structure to actively solicit employee and student ideas about improvements in energy performance and to the energy program (e.g. suggestion box, campus newsletters, incorporate into EcoChallenge, etc).	Elaine, Anna	May 1, 2019	Completed February 19, 2019
4.	2.21	Sylvania & Rock Creek	Ensure energy team members are trained on SEM, organizational and technical components including how to look for low/no cost opportunities, update energy models to view impact, plan and implement occupant engagement projects, operating procedures, and the energy policy.	Elaine, Laura	April 1, 2019	Complete/Ongoing- Team members encouraged to attend tech workshops, trainings and leadership meetings. Team members attended Building Operations Assessment Webinars.
5.	9.22	Sylvania & Rock Creek	Regularly report on energy performance and achievements to management. Schedule quarterly SEM leadership team meetings to report out to Executive Sponsor,	Elaine	Feb 1, 2019 for scheduling, yearlong effort	Fall 2019 will plan for 2020 dates.
6.	Ongoing effort from 2018	District-wide	Power Management of all administrative computer to shut down at 11pm each night	Briar, Elaine with IT team	May 1, 2019	Pilot Completed 1/19/2019-3/27/2019, Summary email drafted May, 2019



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