

State LEED Project

LEED Level Achieved: **Gold**

ANNUALIZED DATA FORM

Date: **28-Mar-18**

Submit by email to: Sustainability@des.wa.gov

Energy and Water Consumption and Savings Reporting Form

Complete all applicable yellow boxes.

Submit as an Excel Spreadsheet

Required per RCW 39.35D.030 (3)(b)

Due: **June 1, 2018**

To print use legal size paper

Building Name: Opportunity Center for Employment and Education
 Institution Name: North Seattle College
 Location: 9600 College Way N, Seattle, 98103
 University/Agency: Seattle Colleges
 Approx. Occupancy Date: May-11
 Building Use: Various State Agencies including DSHS, CSO, ESD, and others.
 Primary HVAC: Under floor air
 Building Square Footage: 69989

Submitted By: Adam Maurer
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 Email: adam.maurer@seattlecolleges.edu

	%Year	
Average Hours/Wk:	40	100.00
No. of People:	175	
Average Hours/Wk:		
No. of People:		

Value from Renewables (\$/yr):
 Merged Electric Rate (\$/kWh): \$ 0.071
 Merged Gas Rate (\$/therm): \$ 0.83
 Other Fuel Rate (\$/MMBtu):
 List Other Fuel:
 Metered Data: electricity and gas
 Prorated Data: water

No. of Lab Hoods: 0

Other High Energy Using Equipment(describe): None

Renewable Energy Systems (describe): None

Year:	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	2017	Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
ENERGY														
Electricity (kWh)	33,174	29,898	33,815	28,236	30,843	34,236	35,180	39,443	33,045	33,913	29,694	31,886	393,363	
Electricity (\$)	\$2,355	\$2,123	\$2,401	\$2,005	\$2,190	\$2,431	\$2,498	\$2,800	\$2,346	\$2,408	\$2,108	\$2,264	\$ 27,929	
Gas (therms)	1,500 THM	1,650 THM	2,179 THM	1,161 THM	508 THM	623 THM	328 THM	212 THM	494 THM	1,100 THM	1,978 THM	2,856 THM	14589.33	
Gas (\$)	\$1,262	\$1,341	\$1,711	\$973	\$450	\$544	\$304	\$209	\$439	\$927	\$1,620	\$2,290	\$ 12,070	
Other: (KBtu)													0	
Other: (\$)													\$ -	
Chilled Water (KBtu)*													0	
Hot Water (KBtu)**													0	
Steam (KBtu)**													0	
Domestic HW (KBtu)**													0	
RENEWABLES														
Solar Thermal (KBtu)													0	
Electrical (kWh)													0	
WATER														
Interior water (gals)	67,245	51,388	46,675	63,356	59,391	111,676	144,888	183,036	92,902	80,485	66,871	83,701	1051613.2	
Interior water/sewer (\$)	\$ 1,272	\$ 1,272	\$ 1,158	\$ 1,578	\$ 1,510	\$ 2,942	\$ 3,803	\$ 4,800	\$ 2,372	\$ 1,981	\$ 1,647	\$ 2,057	\$ 26,393	
Domestic HW (gals)													0	
Water captured (in)(gals)													0	
Reclaimed water (in)(gals)													0	
Reclaimed water (in)(\$)													\$ -	
Irrigation (gals)													0	
Irrigation (\$)													\$ -	
Water captured (out)(gals)													0	
Reclaimed water(out)(gals)													0	
Reclaimed water (out)(\$)													\$ -	

Water Usage/Person: **60.0921829**

KBtu/SF/Year (EUI): **40.02182566**

Energy \$/SF/Year: **\$ 0.5715**

Total Cost/SF/Year: **0.94861059**

This form is used when Portfolio Manager data (total year data) is used or there is mixed data (monthly and annual). Enter the "total year data" in the "Jan" column.

See Below for Explanations regarding data for each of the cells

*Chiller and distribution systems combined efficiency calculated at 2 KW/Ton.

**Central plant and distribution systems combined annual average efficiency calculated at 65%.

Explanations

Building Name:	Name of the building
Institution Name:	Prison name, college name, institution site name, etc.
Location:	Nearest city or town
University/Agency:	Name of University or Agency; ie. UW, CWU, DSHS, DOC, etc.
Approx. Occupancy Date:	The date the building became occupied. This is important when determining if the building is still partly in the first year of operation.
Submitted By:	Person completing this form
Phone:	Phone number for the person completing this form
Email:	Email address of the person completing this form
Building Use:	Describe the major uses of the building; ie. Classrooms, Offices and Science Labs; Gym, Classroom and Lockers; Medium Security Housing; etc.
Primary HAVC:	Describe the primary HVAC system serving most or all of the building.
Building SF:	Square footage of conditioned space. Covered parking would not be included.
No. Lab Hoods:	Hoods have a big impact on energy use. Show the number of lab hoods in the building.
Other High Energy Equip.:	Welding equipment, server rooms, computer labs, etc. Show number and size of equipment load and/or square footage as appropriate.
Renewable Systems:	Describe the renewable energy systems installed on and in the building (ie. 10KW Solar PV panels, 100 SF of solar hot water panels, 5KW wind turbine, etc.)
Hours/Wk Use:	Average normal hours of use; ie. 50 hours/week, 24/7 = 168 hours/week, etc.
No. of People	Average number of people occupying the building during the occupied hours. Two different periods are provided in case of lower use periods, such summer quarter at colleges and universities.

Value from Renewables Calculated energy cost savings based on sales of electricity, electricity offset, and/or thermal energy generated. Use energy cost per unit of energy to calculate savings.

Melded Elec. Rate (\$/kWh): The melded rate is calculated by taking the total electric bill divided by the total kWhs consumed. It would include the demand charge and any base charges.

Melded Gas Rate (\$/therm): The melded rate is calculated by taking the total gas bill divided by the total therms consumed. It would include the demand charge and any base charges.

Other Fuel Rate (\$/MMBtu): For central plants that use a fuel besides natural gas, calculate the cost per MMBtu. (\$/Million Btu)

Metered Data: List the following letters to indicate metered commodities: E=Electricity, G=Gas, S=Steam, HW=Hot Water, O=Other, W=Water (I.E. E/G/W)

Prorated Data: List the following letters to indicate prorated commodities: E=Electricity, G=Gas, S=Steam, HW=Hot Water, O=Other, W=Water (I.E. E/HW)

ENERGY	Not all energy units below will be used in any one building. Only fill in the fuels that pertain to the facility.
Electricity (kWh)	Electricity usage in the building by month from the bill or submeter
Electricity (\$)	Electricity cost from the bill or multiply the usage times the average cost per kWh taken from the overall campus bill
Gas (therms)	Gas usage in the building by month from the bill or submeter
Gas (\$)	Gas cost from the bill or multiply the usage times the average cost per therm taken from the overall campus bill
Other: (KBtu)	Other usage such as propane, oil, wood, coal, etc. Provide usage in Btus. Convert gallons, cords, tons, etc. into KBtus (Thousands of Btus).
Other: (\$)	Monthly cost of the "other" fuel
Chilled Water (KBtu)	Monthly KBtus of chilled water used in the facility when served by a central plant. Leave blank if the chiller is included in the electric units above.
Hot Water (KBtu)	Monthly KBtus of hot water used in the facility when served by a central plant. Leave blank if the hot water is included in the energy units above (gas, "other" or electric).
Steam (KBtu)	Monthly KBtus of steam used in the facility when served by a central plant. Leave blank if the steam is included in the energy units above (gas, "other" or electric).
Domestic HW (KBtu)	Enter the domestic hot water use only if provided by a central plant or from another building.
RENEWABLES	Renewable energy projects generating heat or electricity to the building. Electrical energy used may be reduced by the electricity generating renewable.
Solar Thermal (KBtu)	Monthly KBtus generated by the solar hot water heater and used in the facility.
Electrical (kWh)	Monthly kWhs generated by the photovoltaic panels, wind turbines or other renewable energy generating units
WATER	Collect measurements of all the different water resources being used or captured.
Interior water (gals)	Water used in the building for toilets, urinals, sinks, showers, etc. (total all water sources used IN the building)
Interior water/sewer (\$)	Costs for water and sewer.
Domestic HW (gals)	Only provide this if domestic hot water is provided by a central plant or other outside the building.
Water captured (in)(gals)	Gallons of rain water, gray water or site water captured and used in the building for flushing toilets and urinals.
Reclaimed water (in)(gals)	Reclaimed water purchased from a city or sewer utility that is used in the building for flushing toilets and urinals.
Reclaimed water (in)(\$)	Cost of reclaimed water used in the building. Calculated based on water costs from provider.
Irrigation (gals)	Irrigation usage for the area defined by the LEED project area around the building. If this is not separated for the LEED project area, do not include this here.
Irrigation (\$)	Cost of the water used for irrigation of the LEED project area.
Water captured (out)(gals)	Gallons of captured water used for irrigation. Rain water, gray water or other site water captured.
Reclaimed water(out)(gals)	Reclaimed water purchased from a city or sewer utility that is used for irrigation or other purposes outside the building.
Reclaimed water (out)(\$)	Cost of reclaimed water used outside the building (irrigation or other).