

Oregon Department of **ENERGY**

1.5 Percent for Green Energy Technology in Public Buildings

Projects Reported
Calendar Year 2019

January 2020



*Oregon Youth Authority
Eastern Oregon Youth Correctional Facility
Solar Thermal Project*



1.5% GET IN PUBLIC BUILDINGS – 2020 REPORT

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INTRODUCTION

Pursuant to ORS 279C.527 and 279C.528, the Oregon Department of Energy must deliver an annual report to the Legislative Assembly on or before the first date of the session summarizing the compliance of contracting agencies required to incorporate green energy technology (GET) in public improvement projects.

HISTORY OF THE STATUTE

- House Bill 2620 (2007) established the requirement for a public body to spend 1.5 percent of the total contract price of a building on solar technology.
- Senate Bill 1533 (2012) amended ORS 279C.527-528 to 1.5 percent for GET, allowing geothermal technology to also meet the requirement.
- House Bill 3169 (2013) further amended the law and updated the reporting requirements by the department to the legislature, making the reports due annually before the start of the session.
- House Bill 2987 (2015) removed the requirement that public bodies identify an account where deferred funds were to be held, but maintained the requirement to spend the equivalent funds on a future building project.
- House Bill 3329 (2015) lowered the minimum water source temperature from 140°F to 128°F for geothermal technologies in K-12 school projects.
- Senate Bill 634 (2017) added woody biomass energy technology (WBET) as an alternative for meeting the GET requirement.
- House Bill 2496 (2019) made a number of updates to the program, including the following: added battery storage as an eligible green energy technology, made certain energy use efficiency improvements eligible alternatives to GET, increased minimum total contract price threshold for buildings to \$5 million, clarified “total contract price” definition, excluded seismic costs from total contract price, and lowered passive solar and daylight systems energy use reduction from 20 percent to 10 percent.

GET REQUIREMENTS

For calendar year 2019, the GET requirement applied to any new public building with construction costs exceeding \$1 million. It also applied to buildings being renovated when construction costs exceed \$1 million and 50

PUBLIC BODIES MUST SPEND 1.5 PERCENT OF A BUILDING’S CONTRACT PRICE ON GREEN ENERGY TECHNOLOGY, INCLUDING SOLAR, GEOTHERMAL, AND WOODY BIOMASS.

percent of the insured value of the building. After January 1, 2020, this threshold was increased

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to \$5 million. To be subject to the requirements, a public body must own or control the building and use it for conducting public business or as space for its employees.

Public bodies include state agencies, cities, counties, local service districts, and special government bodies including school districts, education service districts, community college districts, and public corporations created by state statute. Members of the Oregon University System are exempt from the requirement. Also, after January 1, 2020, airports are exempt from the requirement as a result of House Bill 2496 (2019).

GET is defined as energy systems that employ:

- Solar technologies, which include photovoltaic, solar hot water, passive solar, and day lighting (and, after January 1, 2020, battery storage technology that is paired with solar or geothermal systems that generate electricity).
- Geothermal systems that use geothermal source temperatures of 140°F or more to provide heating or make electricity, with an exception for K-12 school projects, which are allowed to use minimum geothermal source temperatures of 128°F. Ground source heat pumps do not comply with the definition.

WBET is an allowable alternative to GET and is defined as a system that for space or water heating, or as a combined heat and power system:

- Uses a boiler with a lower heating value combustion efficiency of at least 80 percent.
- Uses, as fuel, material from trees and woody plants that is a by-product of forest management, agriculture, ecosystem restoration, or fire prevention or related activities.

Woody biomass does not include wood pieces that have been treated with specified chemicals, municipal solid waste, construction and demolition waste, or other industrial wood waste.

After passage of House Bill 2496 (2019) and subsequent agency administrative rulemaking, energy use efficiency is also an allowable alternative to GET if the site Total Solar Resource Fraction (TSRF) is 75 percent or less, effective January 1, 2020. To be eligible, energy use efficiency requires measures that reduce energy consumption by 20 percent or greater when compared to an energy code baseline.

To accommodate geothermal technologies, SB 1533 (2012) allowed for off-site installation of green energy technologies if certain requirements are met. These include cost-effectiveness, proximity of location, and the provision of new generating capacity. As a result, the public body has the option to place a technology off-site if it considers the technology inappropriate at the building site. The energy produced at either location must be used at the building site. The same off-site allowances and requirements apply to GET alternatives.

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If the public body plans to install GET, WBET, or Energy Use Efficiency at an alternate site, it must have its plan reviewed by a technical review panel. The technical review panel includes a professional engineer or architect, a member of a public body, an industry technical expert, and is chaired by ODOE staff. The public body must provide information to the panel about the site and the cost of the GET/WBET/energy use efficiency system at each location.

If the public body considers GET or an alternative inappropriate both on-and off-site, the public body must also submit its reasoning to the technical review panel. The panel reviews the analysis and provides its written recommendation to the public body. The public body makes a final determination whether the GET or an alternative is appropriate for the project. Both the public body's decision and the review panel's recommendation must be reported to the ODOE database.

If the public body determines GET or an alternative is inappropriate for the project, and no state funds are used for the construction/renovation of the public building, there is no requirement to defer funds for a future project. However, if state funds are included in the construction/renovation funding, the public body must spend an equivalent amount on a future project. This amount is in addition to the 1.5 percent of the future project cost used for GET or an alternative.

The law requires all public bodies with a building project subject to the GET requirement to report the project information to the Oregon Department of Energy. After a public body makes a final determination whether GET or an alternative is appropriate and before construction of the system begins, it is required to report the project electronically, using a form located on the ODOE website. ODOE summarizes all reported projects and provides this report to the legislative assembly prior to the start of the session.

OUTREACH EFFORTS BY ODOE TO PUBLIC BODIES

To increase familiarity with the GET requirement, including the requirement to report GET projects to ODOE, the Oregon Department of Energy began outreach efforts to public bodies by providing information about

THE NUMBER OF GET PROJECTS REPORTED AS INSTALLING GET HAS INCREASED OVER THE PAST FEW YEARS, INDICATING THAT ODOE'S EFFORT TO INCREASE AWARENESS OF THE 1.5% GET REQUIREMENT IS WORKING.

the requirements stipulated in ORS 279C.527 through ORS 279C.528. ODOE now conducts annual outreach via email to remind public bodies of the requirements. This outreach email is sent to the Association of Counties, League of Oregon Cities, Special Districts Association of Oregon, community colleges, state agencies, counties, cities, and K-12 school districts, among others, and was recently distributed in December 2019. ODOE also maintains a frequently asked [Questions and Answers document](#) and has developed an informational brochure for distribution at public body conferences and gatherings.

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Also, ODOE worked with the Building Codes Division in 2019 to include a reference to 1.5% GET requirements in the 2019 Oregon energy code (2019 Oregon Zero Energy Ready Commercial Code). The purpose of this is to help make architects, engineers, and others in the design community more aware of GET requirements.

118 projects have been reported since the requirement came into effect – and of those, 15 projects were reported for calendar year 2019. The number of projects reported and those meeting GET requirements each year has generally increased over the past few years, indicating that ODOE's effort to increase awareness of the 1.5 percent GET requirement is working.

PROJECTS REPORTED TO ODOE

Fifteen projects for which GET was deemed appropriate were reported in 2019. Also, one project for which GET was determined to be inappropriate (and deferred to a future project) was reported during the year.

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Reported Projects for Which GET Was Determined Appropriate

Projects are listed below in the order in which they were entered into the 1.5% GET database.

Project 19-1	
Project Owner, Project Name and Location	Oregon Youth Authority EOYCF Vocational Shop/Snow Melt System 1800 W Monroe Street Burns, OR 97720
Project Type	New Construction
GET Category	Solar Thermal
Total Contract Price	\$2,981,412
Minimum GET Budget	\$44,721
GET Description	Solar thermal panels were provided to supplement the domestic water heater for the dormitory areas and the kitchen area. The solar thermal panels provide heating for domestic water heating.
Est. Annual Production	173 million Btu
Est. Annual Value	\$2,120
Total GET Expenditures	\$83,000
Date Project Submitted	1/4/2019

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Project 19-2	
Project Owner, Project Name and Location	McMinnville School District No. 40 McMinnville High School Addition and Remodel 615 NE 15th St McMinnville, OR 97128
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$62,796,333
Minimum GET Budget	\$941,945
GET Description	<p>McMinnville High School utilized the funds towards GET to add a solar panel array to the top of their new gymnasium as well as on their Career Technical Center (CTC). Size of the gymnasium system is 199.08kw DC (156.0kw AC) with 504 individual SunPower 395W solar panels. Size of the CTC solar system is 25.28 kW DC (33kW AC) with 64 SunPower SPR-P19-395-COM solar panels.</p> <p>*note: this project is an amendment to a 2017 submittal for this project that GET was determined to be inappropriate.</p>
Est. Annual Production	234,239 kWh
Est. Annual Value	--
Total GET Expenditures	\$941,424
Date Project Submitted	2/20/2019

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Project 19-3	
Project Owner, Project Name and Location	Jefferson School District 14J New Jefferson Middle School and JES Addition 2180 Talbot Rd SE Jefferson, OR 97352
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$16,290,063
Minimum GET Budget	\$244,351
GET Description	83,610 Watt systems using 252 Panasonic 330 Watt Panels
Est. Annual Production	89,713 kWh
Est. Annual Value	\$10,766
Total GET Expenditures	\$244,400
Date Project Submitted	3/18/2019

Project 19-4	
Project Owner, Project Name and Location	City of Portland Fourth & Montgomery Building 1900 SW 4th Ave Portland, OR 97201
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$12,100,000
Minimum GET Budget	\$181,500
GET Description	(New building address to be 1810 SW 5th Ave) PV system layout to include 133 Modules located on rooftop. Fixed array; DC system size 47.88KW; system output 50,566 KWH/YR (may vary from 47,381 to 53,261KWH/year near this location).
Est. Annual Production	50,566
Est. Annual Value	\$4,511
Total GET Expenditures	\$212,000
Date Project Submitted	5/9/2019

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Project 19-5	
Project Owner, Project Name and Location	Homes for Good Housing Agency Admin Building Renovation 100 W 13th Ave Eugene, OR 97401
Project Type	Renovation
GET Category	Active Solar
Total Contract Price	\$6,162,554
Minimum GET Budget	\$92,438
GET Description	Homes for Good plans to build a 50.7 kW (50 kW AC) Solar Electric System at the new main office at 100 W. 13th St., Eugene, OR. The total cost shall not exceed the \$100,000.00 budgeted for the project. The current design shows (156) Yingli 325 watt solar modules, SolarEdge SE33.3KUS and SE20KUS inverters with P730 DC optimizers. The SolarEdge inverters paired with the DC optimizers have a special capability to maximize energy production by mitigating shade cast on parts of the array when applicable. The arrays will be built with Unirac RM10 ballasted solar racking, which will minimize penetrations through the roofing membrane. The ballasted racking system will maximize energy production in a limited area, while also having an appropriate tilt angle to aid with energy production and self-cleaning from the rain. The system will maximize the portion of the system dedicated to a “net metered” interconnection arrangement with the local utility EWEB. Since the budget will allow for more solar than EWEB’s net metering program, the remainder of the system will be interconnected via EWEB’s generation program.
Est. Annual Production	54,781 kWh
Est. Annual Value	\$3,287
Total GET Expenditures	\$100,000
Date Project Submitted	7/12/2019

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Project 19-6	
Project Owner, Project Name and Location	Howard Street Charter School 625 Marion St NE Salem, OR 97301
Project Type	Renovation
GET Category	Active Solar
Total Contract Price	\$3,282,883
Minimum GET Budget	\$49,243
GET Description	7.4kW solar photovoltaic rooftop array
Est. Annual Production	8,469 kWh
Est. Annual Value	\$850
Total GET Expenditures	\$49,762
Date Project Submitted	7/14/2019

Project 19-7	
Project Owner, Project Name and Location	Beaverton School District Hazeldale Elementary School 20080 SW Farmington Rd Beaverton, OR 97007
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$28,068,776
Minimum GET Budget	\$421,032
GET Description	Completed in Summer of 2018, Hazeldale Elementary's 79.7 kW roof top solar photovoltaic system generates about 81,000 kWh of clean, renewable energy each year. A total of 224 high efficiency panels provide the equivalent to powering 6 average US homes per year. Beaverton School District is committed to sustainability, renewable energy, and energy conservation education for our students, staff, and community.
Est. Annual Production	80,000 kWh
Est. Annual Value	\$7,000
Total GET Expenditures	\$389,550
Date Project Submitted	7/23/2019

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Project 19-8	
Project Owner, Project Name and Location	City of Milwaukie Milwaukie Ledding Library 10660 SE 21st Ave Milwaukie, OR 97222
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$8,116,290
Minimum GET Budget	\$121,744
GET Description	44.4 kW rooftop solar photovoltaic system including framing, blocking, roof patching, walk pads, and all associated electrical. Photovoltaic system utilizes portion roof area with optimal sun exposure. Power optimizers are installed at each panel to further increase production of the area given shading from neighboring trees.
Est. Annual Production	40,074 kWh
Est. Annual Value	\$4,300
Total GET Expenditures	\$127,146
Date Project Submitted	9/6/2019

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Project 19-9	
Project Owner, Project Name and Location	Treasure Valley Community College Career and Technical Education Center 650 College Blvd Ontario, OR 97914
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$5,470,000
Minimum GET Budget	\$82,050
GET Description	37 KW, fixed, open rack, roof mounted array. Array tilt 10 degrees, Azimuth 180 degrees. system losses estimated at 14%. Inverter efficiency estimated at 96%. DC to AC size ratio is 1.2.
Est. Annual Production	50,672 kWh
Est. Annual Value	\$3,609
Total GET Expenditures	\$90,000
Date Project Submitted	10/1/2019

Project 19-10	
Project Owner, Project Name and Location	TriMet TriMet Powell Garage Replacement 9800 SE Powell Blvd Portland, OR 97266
Project Type	New Construction
GET Category	Passive Solar
Total Contract Price	\$76,144,815
Minimum GET Budget	\$1,142,172
GET Description	Second floor day-lighting, Aluminum framed skylights and tubular skylights Occupancy sensors, Building screening systems for light glare and heat gain west facade, Vision glass: Sunguard SNX 62/27 SuperNeutral Low-E, Radiant flooring systems, High efficiency lighting
Est. Annual Production	169,663 kWh, 2736 million Btu (savings)
Est. Annual Value	\$40,591
Total GET Expenditures	\$1,149,193
Date Project Submitted	10/15/2019

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Project 19-11	
Project Owner, Project Name and Location	Rogue Community College Health Professions Center 7731 Pacific Ave White City, OR 97503
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$13,178,365
Minimum GET Budget	\$197,675
GET Description	99 kW roof mounted PV solar.
Est. Annual Production	124,146 kWh
Est. Annual Value	\$12,415
Total GET Expenditures	\$198,000
Date Project Submitted	12/9/2019

Project 19-12	
Project Owner, Project Name and Location	Oregon Military Department Umatilla Army Depot RTI 78798 Ordnance Rd Hermiston, OR 97838
Project Type	New Construction
GET Category	Woody Biomass
Total Contract Price	\$34,051,911
Minimum GET Budget	\$510,779
GET Description	EQUIPMENT - West Nodular Biomass Boiler maximum 5119 MBH input 87% CE - RTI Schoolhouse Boiler maximum 853 MBH input 87%CE - (1) 750 KWH (2560 MBH) ELECTRIC BOILER - (1) 30-TON PELLET SILO - (2) BOILER PUMPS - (2) HWS LOOP PUMPS - HWS LOOP ACCESSORIES AND PIPING
Est. Annual Production	5,972 million Btu
Est. Annual Value	\$93,590
Total GET Expenditures	\$5,900,000
Date Project Submitted	12/10/2019

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Project 19-13	
Project Owner, Project Name and Location	City of Beaverton Beaverton Public Safety Center 6125 SW Hall Blvd Beaverton, OR 97008
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$36,922,236
Minimum GET Budget	\$553,834
GET Description	The project includes a 331.7 kW PV system that is installed on the lower and upper roofs of the main building, as well as the canopied parking. The system is fully integrated with PGE, including PGE's BESS program and PGE microgrid system.
Est. Annual Production	398,000 kWh
Est. Annual Value	\$25,600
Total GET Expenditures	\$793,702
Date Project Submitted	12/16/2019

Project 19-14	
Project Owner, Project Name and Location	Clackamas Soil and Water Conservation District Conservation Resource Center 22055 S Beavercreek Rd Beaver Creek, OR 97004
Project Type	New Construction
GET Category	Active Solar
Total Contract Price	\$5,414,565
Minimum GET Budget	\$81,218
GET Description	20.01 kW photovoltaic panels. 58 Hanwha Q.Peak G4.2 345 W modules. 2 SolarEdge 9KUS inverters. Ironridge XR100 racking. 1,245 sq ft array.
Est. Annual Production	24,860 kWh
Est. Annual Value	\$2,532
Total GET Expenditures	\$82,000
Date Project Submitted	12/20/2019

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Reported Projects for Which GET Was Determined to be Inappropriate

Projects are listed below in the order in which they were entered into the 1.5% GET database.

Project 19-15	
Project Owner, Project Name and Location	Rogue Community College Redwood Campus Art Center 3345 Redwood Hwy Grants Pass, OR 97527
Project Type	Renovation
Total Contract Price	\$1,359,966
Minimum GET Budget	\$20,399
Public Body explanation as to why GET was determined to be inappropriate for the project	Rogue Community College (RCC) is a very successful two-year institution that recently passed a bond measure to fund a construction budget of \$20M. The construction budget, which consists of both new construction and remodeling is spread over the three campuses in Jackson and Josephine Counties. The college exists at three (3) physical locations: Grants Pass, Medford and White City. In March 2017 an extensive Solar Feasibility Study was conducted by Oregon Energy Green (OEG) with the conclusion being there were far better solar opportunities at the Table Rock Campus. Because the proposed construction sites occur over both locations, it is the request of the college that the Table Rock Campus become the optional alternate banking site for the deployment of renewable energy projects. (HB 3169)
Technical Review Panel Findings	Please refer to “Technical Review Panel Determinations” Section.
Date Project Submitted	12/9/2019

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COMPLIANCE WITH THE STATUTE

The Oregon Department of Energy's role includes writing program rules, conducting outreach to public bodies, and summarizing the public bodies' reporting efforts in the annual report to the legislature. The decision to determine whether GET is appropriate or inappropriate remains with the public body. Public bodies that determine GET or an alternative to be inappropriate are directed to submit their reasoning for a Technical Panel Review. ODOE continues to inform public bodies that they must request a review when making a determination that the GET is inappropriate and that regardless of which determination they make, all projects must be reported to the 1.5 percent GET/alternative [reporting form](#).

TECHNICAL REVIEW PANEL DETERMINATIONS

One project that was reported in 2019 was sent to the Technical Review Panel (TRP) for a recommendation.

All TRP correspondence and determinations are included in Appendix A. Reference project numbers for reported projects are listed.

In addition to 2019 reported projects that underwent review by the TRP, one project was also submitted to the TRP in 2019 that has not yet been reported to the database. This is also listed in Appendix A.

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APPENDIX A: TECHNICAL REVIEW PANEL DOCUMENTATION

PROJECT #19-15

Rogue Community College
Redwood Campus Arts Center

Public body submittal

November 2018 Submittal

November 26, 2018



Mr. Robert DeMar
Oregon Department of Energy
1011 SW Emkay Dr. Suite 108
Bend, OR 97702

Subject: Technical Panel Request-Collective Banking of Renewable obligations

Dear Mr. DeMar,

Request: The Rogue Community College (RCC) is a very successful two-year institution that recently passed a \$20M bond measure to fund districtwide campus improvements. The bond measure projects consists of both new construction and remodeling over the three campuses in Jackson and Josephine Counties. The college district is comprised of three (3) physical locations: Grants Pass, Medford and White City. In March 2017 an extensive Solar Feasibility Study was conducted (SEE ATTACHMENT) with the conclusion being there were far better solar opportunities at the Table Rock Campus. Because campus improvements occur over both locations, it is the request of the college that the Table Rock Campus become the optional alternate banking site for the deployment of renewable energy projects. (HB 3169)

The Hi-Tech training center located in White City Oregon is RCC's most recent construction project and is scheduled to close-out-commissioning in late February 2019. The training center features technical training that ranges from welding to 3D Printing and CNC machines. In order to comply with the ORS 279C.527 mandate and to demonstrate the financial and grid value of solar energy, a 14.4kW solar array was constructed on a system dedicated structure that also provides the non-energy benefit of shade for students conducting outside studying or enjoying lunch. This renewable opportunity is not available at many of the future project locations at either the Redwood or Medford Campuses.



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PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College Redwood Campus Arts Center

Future Projects:

Hi-Tech Center – White City. Completion/Close Out Date: February 28, 2019 Cost: \$2.61M
Renewable: 14.4kW PV and structure: \$79,486 (3.05% of Construction)

Redwood Art Building "D" Grants Pass. Completion Date: September 2019. Cost: \$1.25M
6,000sf. Renovation.

Health Profession – Table Rock Campus White City. Completion Date: July 2020
36,523sf. new construction. 150 car parking. (\$8M State+\$7M Bond) Cost: \$15.0M

Science Building-Redwood Campus Grants Pass. Completion Date: 2021
Two Story construction 18,000sf. (\$6.0M State+\$1.5M Bond) Cost: \$7.5M



Redwood Campus – 50 heavily wooded acres on
Redwood Highway, Grants Pass, Oregon

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PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College Redwood Campus Arts Center

Historical Background and Renewable Opportunities:

RCC was established in November 1970 by vote of the electorate of Josephine County. On May 21, 1996, voters in Jackson and Josephine counties approved expansion of RCC's boundaries to include all of Jackson County, for the purpose of providing a wider range of educational programs, job-training opportunities, and greater college access for students throughout the Rogue Valley.

The original Grants Pass campus was constructed in the late 1960s as a federal training facility known as the Fort Vanoy Job Corps Training Center. The campus of wood-framed buildings was remodeled in 1989 and because of this dated remodel, many opportunities exist today for design enhancement and energy efficiency. However, solar access is limited because of the heavily wooded environment.

The Riverside Campus is in downtown Medford, at 9th, Bartlett, and Riverside streets. The three-building complex houses classrooms, labs, student and community services and library services. The roof of the campus is currently covered with 70kW of solar panels and there is no other space available for renewable deployment.

The Table Rock Campus which opened to students Fall term 2003 is in White City, Oregon. The Hi Tech Training Center which will be completing all construction and commissioning in 2019 (see above picture) is located on the Table Rock Campus and is near the future site of the Health Professions facility that is scheduled for completion by July 2020. Because the expansiveness of the Table Rock Campus, it is the request that this location be the optional alternative location for the deployment of RCC renewable projects.

Please let me know if you have any questions regarding this request.

Sincerely,



Burr Thielens CEM
President
Oregon Energy Green
1215 Stone Ave.
Medford, OR 97501
541.200.2000
burr@oegreen.com



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PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College
Redwood Campus Arts Center

Technical review panel response:



Oregon

Kate Brown, Governor



550 Capitol St. NE
Salem, OR 97301
Phone: 503-378-4040
Toll Free: 1-800-221-8035
FAX: 503-373-7806
www.oregon.gov/energy

February 21, 2019

Buzz Thielemann
President
Oregon Energy Green
1215 Stowe Ave.
Medford, OR 97501

Re: Deferring 1.5% for GET funds to Rogue Community College Table Rock Campus

Mr. Thielemann,

This letter is in response to your request for a technical review of the 1.5% Green Energy Technology (GET) requirements associated with multiple projects at Rogue Community College campuses. The technical review committee believes that Rogue Community College is demonstrating a strong commitment to showcasing renewable energy. In the request you propose to consolidate 1.5% GET funds from multiple projects into a PV installation at the Table Rock Campus. The letter and feasibility study demonstrate that consolidation of funds at the Table Rock campus will result in a system with a better solar resource and the most cost effective use of the 1.5% GET funds. The committee agrees that consolidation of funds in this matter is appropriate however it was unclear if there is a specific project at the Table Rock Campus which has been identified for the future GET installation. Section 10 of the feasibility assessment references a list of RCC best solar candidates in ranked order however the page was blank. As the campus improvement projects proceed the committee recommends that a specific project be identified as a host site for the consolidated GET funds.

Please note that the final determination regarding use of 1.5% funds is to be made by the contracting agency and reported in the green energy technology database. The program rules and database reporting form can be found on the Oregon department of Energy Web page at <https://www.oregon.gov/energy/energy-oregon/pages/get.aspx>.

Feel free to contact me if you have any questions.

Sincerely,

Robert Del Mar
Chair of 1.5% GET Technical Review Committee
Oregon Department of Energy

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PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College
Redwood Campus Arts Center

Public body response to Technical Committee:



April 16, 2019

Mr. Robert Del Mar
Oregon Department of Energy
1011 SW Emkay Dr. Suite 108
Bend, OR 97702

Subject: Clarification of Technical Panel Request

Dear Mr. Del Mar,

Request: Thank you for your work and the work of the Technical Review Committee for the review of our request for the Rogue Community College (RCC) to defer GET projects from the Grants Pass Redwood Campus (RC) location to the Table Rock Campus (TRC) in White City, Oregon.

On April 1st the RCC will be start their \$13,178,365 Health Professions Center at the TRC location. It is the request of RCC to defer the GET projects at the Grants Pass location to the TRC campus and enhance the GET commitment at the Health Professions Center. The TRC offers the best Total Solar Resource Fraction (TSRF) for the most beneficial deployment of GET resources. I appreciate the agreement of the committee that the consolidation of GET at the TRC is the better utilization of funds.

I do realize that there was confusion regarding the specific request and identifying definitive projects. Below you will find the specific projects, the updated project amounts and anticipated start and completion dates that will be deferred to the TRC location.

- 1) Redwood Campus Art Center-Defer GET to TRC
Updated Budget = \$1,359,966
Construction Start: Currently under Construction
Estimated Completion Date: September 2019
- 2) Redwood Campus Science Building -Defer GET to TRC
Updated Budget = \$8,000,000
Construction Start: March 2021
Estimated Completion Date: April/May 2022

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PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College
Redwood Campus Arts Center

I hope this clarifies any confusion regarding the intention to consolidate solar resources to a more productive campus. Please let me know if you have any questions regarding this request.

Sincerely,


Buzz Thieleman CEM
President
1215 Stowe Ave.
Medford, OR 97501
541.200.2000
buzz@oegreen.com



1.5% GET IN PUBLIC BUILDINGS – 2020 REPORT

PROJECT #19-15 – TECHNICAL REVIEW PANEL COMMUNICATIONS (CONTINUED)

Rogue Community College
Redwood Campus Arts Center

Technical review panel recommendation



Oregon

Kate Brown, Governor



550 Capitol St. NE
Salem, OR 97301
Phone: 503-378-4040
Toll Free: 1-800-221-8035
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www.oregon.gov/energy

April 16, 2019

Buzz Thielemann
President
Oregon Energy Green
1215 Stowe Ave.
Medford, OR 97501

Re: Deferring 1.5% for GET funds to Rogue Community College Table Rock Campus

Mr. Thielemann,

This letter is in response to your request for a technical review of the 1.5% Green Energy Technology (GET) requirements associated with multiple projects at Rogue Community College campuses. Thank you for the additional clarification provided via email on 4/16/19. In the request you propose to consolidate 1.5% GET funds from Art Center and Science Building at the Redwood Campus to a solar PV project at the new Health Professions Center at the Table Rock Campus. The letters and feasibility study demonstrate that consolidation of funds at the Table Rock Campus will result in a system with a better solar resource and the most cost effective use of the 1.5% GET funds. The committee agrees that consolidation of funds in this matter is appropriate. Rogue Community College is demonstrating a strong commitment to showcasing renewable energy.

Please note that the final determination regarding use of 1.5% funds is to be made by the contracting agency and reported in the green energy technology database. The program rules and database reporting form can be found on the Oregon department of Energy Web page at <https://www.oregon.gov/energy/energy-oregon/pages/pet.aspx>.

Feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Rob Del Mar".

Robert Del Mar
Chair of 1.5% GET Technical Review Committee
Oregon Department of Energy

1.5% GET IN PUBLIC BUILDINGS – 2020 REPORT

CITY OF EUGENE

CAMPBELL COMMUNITY CENTER, SHELDON POOL, ECHO HOLLOW POOL

The Technical Review Panel provided a review in 2019, but this project has not yet been reported into the 1.5% GET database.

Technical review panel recommendation:



1.5% GET IN PUBLIC BUILDINGS – 2020 REPORT

FOR MORE INFORMATION

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