

June 1, 2021

VIA ELECTRONIC FILING

Mark L. Johnson
Executive Director and Secretary
Washington Utilities and Transportation Commission
621 Woodland Square Loop SE
Lacey, WA 98503

**RE: DO NOT REDOCKET—Docket UE-210345
2021 Annual Renewable Portfolio Standard Report**

In accordance with RCW 19.285.070 and WAC 480-109-210(1), PacifiCorp dba Pacific Power & Light Company (PacifiCorp) submits its 2021 Annual Renewable Portfolio Standard Report to the Washington Utilities and Transportation Commission to report the company’s progress in meeting the targets established in RCW 19.285.040.

PacifiCorp requests confidential treatment in accordance with WAC 480-07-160. The documents labeled as confidential include proprietary cost data, commercially sensitive load and resource projections, confidential market analyses and business projections, and confidential information related to renewable energy credits and/or compliance with RCW 19.285. This confidential business information is of significant commercial value, which could expose the company to competitive injury if disclosure is unrestricted. Accordingly, PacifiCorp requests confidential treatment on the basis that the documents contain “valuable commercial information, including trade secrets or confidential marketing, cost, or financial information, or customer-specific usage and network configuration and design information,” as provided in RCW 80.04.095 and in accordance with WAC 480-07-160(2)(b).

PacifiCorp continues to be concerned that customers may be exposed to a level of market price risk associated with public disclosure of compliance information, but has agreed to publicly release certain components of the report as agreed upon with stakeholders in the informal RPS workgroup.

The only remaining confidential information within the report is resource-specific renewable energy credit (REC) prices and cost information that could be used to derive those prices. This information is redacted in the following places:

Location	Type of Information	Explanation
Attachment C, Tab 1, Cells B38-B39	Incremental Levelized Cost Column	Redacted cells in this column contain confidential REC prices for individual resources or contracts (Granite Mountain East and Granite Mountain West).

Attachment C, Tab 2, Cells B29-B30	Sum of incremental costs of all eligible resources Column	Confidential REC prices for each individual resource or contract (Granite Mountain East and Granite Mountain West) can be derived from this column coupled with the “RECs generated or purchased” column.
Attachment C, Tab 4, Cells B18-B19	Total Incremental Cost (as dollar \$ amt.) Column	Redacted cells in this column contain confidential REC prices for individual resources or contracts (Granite Mountain East and Granite Mountain West).
Attachment C, Tab 4, Cells D18-D19	Total Incremental Cost (\$/MWh) Column	Confidential REC prices for each individual resource or contract (Granite Mountain East and Granite Mountain West) can be derived from this column coupled with the “MWh” column.
Attachment C, Tab 4, Cells F18-F19	Total Incremental Cost (\$/MWh) Multiplied by Number of Megawatt-hours Needed for Target Year Compliance Column	Confidential REC prices for each individual resource or contract (Granite Mountain East, and Granite Mountain West) can be derived from this column coupled with the “MWh” column. Because the company anticipates using all available MWh from these resources in the compliance year, the numbers in this column are equal to the Total Incremental Cost (as dollar \$ amt.) column.
Cost Analysis Workpaper, Summary Tab, Cells H39-H40	Dollars Per REC / MWh Column, Solar REC contracts	These cells contain confidential REC prices for individual resources or contracts (Granite Mountain East and Granite Mountain West).
Cost Analysis Workpaper, Summary Tab, Cells J39-J40	Total Dollars Column, Solar REC contracts	Confidential REC prices for each individual resource or contract (Granite Mountain East and Granite Mountain West) coupled with “2020 RECs/MWh”
Cost Analysis Workpaper, (1.2) Lvl_Resource Tab, Cells M27-M28	Cost Differential \$/MWh	These cells contain confidential REC prices for individual resources or contracts (Granite Mountain East and Granite Mountain West).

In compliance with RCW 19.285.070(3) and WAC 480-109-210(4), the company will post the redacted version of the renewable report on its website to make the information available to customers.

It is respectfully requested that any formal correspondence and staff requests regarding these reports be addressed to:

By e-mail (preferred) datarequest@pacificorp.com

By regular mail:
 Data Request Response Center
 PacifiCorp
 825 NE Multnomah Street, Suite 2000
 Portland, OR 97232

Washington Utilities & Transportation Commission

June 1, 2021

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Please direct informal questions to Ariel Son, Regulatory Affairs Manager, at (503) 813-5410.

Sincerely,

 /s/
Shelley McCoy
Director, Regulation
PacifiCorp
825 NE Multnomah Street, Suite 2000
Portland, OR 97232
(503) 813-5292
shelley.mccoy@pacificorp.com

Enclosures:

210345-PPL-RPS-Rpt-6-1-21.pdf
210345-PPL-Attach-A-6-1-21.pdf
210345-PPL-Attach-A-6-1-21.xlsx
210345-PPL-Attach-B-6-1-21.pdf
210345-PPL-Attach-C-6-1-21 (C).pdf
210345-PPL-Attach-C-6-1-21 (C).xlsx
210345-PPL-Attach-C-6-1-21 (R).pdf
210345-PPL-Attach-C-6-1-21 (R).xlsx
210345-PPL-WP-6-1-21 (C).zip
210345-PPL-WP-6-1-21 (R).zip



PacifiCorp dba Pacific Power & Light Company,

**2021 Renewable Portfolio Standard Report
Washington**

June 1, 2021

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Introduction

PacifiCorp dba Pacific Power & Light Company (PacifiCorp), submits this 2021 Annual Renewable Portfolio Standard Report (RPS Report) to the Washington Utilities and Transportation Commission (Commission) and the Washington Department of Commerce (Commerce) in accordance with reporting requirements established as part of the Energy Independence Act (EIA). The report is consistent with RCW 19.285.070, which states, in relevant part:

- (1) On or before June 1, 2012, and annually thereafter, each qualifying utility shall report to the department on its progress in the preceding year in meeting the targets established in RCW 19.285.040, including expected electricity savings from the biennial conservation target, expenditures on conservation, actual electricity savings results, the utility's annual load for the prior two years, the amount of megawatt-hours needed to meet the annual renewable energy target, the amount of megawatt-hours of each type of eligible renewable resource acquired, the type and amount of renewable energy credits acquired, and the percent of its total annual retail revenue requirement invested in the incremental cost of eligible renewable resources and the cost of renewable energy credits.*
- (2) A qualifying utility that is an investor-owned utility shall also report all information required in subsection (1) of this section to the commission, and all other qualifying utilities shall also make all information required in subsection (1) of this section available to the auditor.*

This report is consistent with the collaborative workshop documents addressing annual reporting requirements from Docket UE-110523, Order 01 in Docket UE-120813, Order 01 in Docket UE-140802, and Docket UE-131723.

Executive Summary

Under RCW 19.285.040(2)(a) and WAC 480-109-200(1), each qualifying utility must use eligible renewable resources, equivalent renewable energy credits (RECs), or a combination of both to meet annual targets under Washington’s renewable portfolio standard (RPS). As demonstrated in this report, PacifiCorp met the 2020 renewable energy target with a combination of eligible renewable resources and RECs and will use a combination of eligible renewable resources and RECs to supply at least fifteen percent of its average Washington load to satisfy the 2021 renewable energy target.

A summary of the company’s 2019 and 2020 renewable targets and eligible renewable resources and RECs are provided below:

Table 1

PacifiCorp Renewable Target, Eligible Resource and RECs		
	2020	2021
Average Retail Sales (MWh)	4,046,853	4,104,871
Percentage Target	15%	15%
Renewable Target	607,028	615,731
Qualifying Resources & RECs (MWh)	607,028	615,731

The company does not intend to rely on any of the alternative compliance mechanisms provided in WAC 480-109-210 for meeting either the 2020 or 2021 renewable energy targets.

Annual Load for Previous Two Years and Renewable Energy Target

Under RCW 19.285.040(2)(c) and WAC 480-109-200(1), a utility must calculate its annual target based on its average load for the previous two years. Accordingly, using the average of Washington annual retail loads for the previous two years, Table 2 calculates the company's annual renewable targets for 2020 and 2021.

Table 2

Target Year 2020	
Prior Year Retail Sales (2018)	3,949,116 MWh
Prior Year Retail Sales (2019)	4,144,590 MWh
Average Retail Sales	4,046,853
Percentage Target	15%
Renewable Target	607,028 MWh/RECs
Target Year 2021	
Prior Year Retail Sales (2019)	4,144,590 MWh
Prior Year Retail Sales (2020)	4,065,151 MWh
Average Retail Sales	4,104,871 MWh
Percentage Target	15%
Renewable Target	615,731 MWh/RECs

Renewable Energy Acquired to Meet Renewable Energy Target

PacifiCorp met its 2020 renewable resource target and plans to meet its 2021 renewable resource target with a combination of eligible RECs, company- and third-party-owned wind resources, and hydroelectric facilities with upgrades completed after March 1999. Included with this report as Confidential Attachment A is the Commission’s RPS Report Tool, which details the renewable resource targets for 2020 and 2021 and the RECs and renewable resources identified to meet the 2020 and 2021 targets.

PacifiCorp will use the following company- and third-party-owned wind facilities for 2021:

Table 3

Resource Name	Fuel Type	Location
Adams Solar	Solar	Oregon
Bear Creek Solar	Solar	Oregon
Bigfork	Incremental Hydro	Montana
Blundell	Geothermal	Utah
Blundell II	Geothermal	Utah
Bly Solar	Solar	Oregon
Campbell Hill/Three Buttes	Wind	Wyoming
Cedar Springs Wind I	Wind	Wyoming
Cedar Springs Wind II	Wind	Wyoming
Cedar Springs Wind III	Wind	Wyoming
Dunlap I	Wind	Wyoming
Ekola Flats Wind	Wind	Wyoming
Elbe Solar	Solar	Oregon
Enterprise	Solar	Utah
Foote Creek I	Wind	Wyoming
Glenrock I	Wind	Wyoming
Glenrock II	Wind	Wyoming
Goodnoe Hills	Wind	Washington
Granite Mountain East	Solar	Utah
Granite Mountain West	Solar	Utah
High Plains	Wind	Wyoming
JC Boyle	Incremental Hydro	Oregon
Latigo Wind	Wind	Utah
Leaning Juniper	Wind	Oregon
Marengo I	Wind	Washington
Marengo II	Wind	Washington
McFadden Ridge	Wind	Wyoming
Mountain Wind 1	Wind	Wyoming
Mountain Wind 2	Wind	Wyoming

Pavant	Solar	Utah
Pavant Solar II	Solar	Utah
Pioneer Wind Park I	Wind	Wyoming
Prospect 2	Incremental Hydro	Oregon
Rock River I	Wind	Wyoming
Sage Solar I	Solar	Utah
Sage Solar II	Solar	Utah
Sage Solar III	Solar	Utah
Seven Mile Hill I	Wind	Wyoming
Seven Mile Hill II	Wind	Wyoming
Sweetwater Solar	Solar	Wyoming
Top of the World	Wind	Wyoming
TB Flats I	Wind	Wyoming
TB Flats II	Wind	Wyoming
Wolverine Creek	Wind	Idaho

Descriptions of the projects are referenced in the Supporting Documents for Renewable Report section of this RPS Report and on the company’s website.

PacifiCorp’s incremental hydroelectric facilities are located in the Pacific Northwest and underwent efficiency improvements that were completed after March 31, 1999. PacifiCorp performed analyses to determine the incremental energy associated with these upgrades to hydroelectric facilities, consistent with Method Two in WAC 480-109-200(7)(c). The methodology, described in more detail in Attachment B of this report, is consistent with the methodology the company submitted to the Oregon Department of Energy to certify these facilities and calculate the percentage of incremental energy for the Oregon RPS program. The company performed an analysis of the incremental energy for upgrades to hydroelectric facilities that includes actual generation data from 2007 through 2012. The company re-submitted the analysis to the Oregon Department of Energy in December 2013, and the Oregon Department of Energy approved the updated incremental hydropower efficiency percentages effective January 2014. The eligibility was reviewed and made effective once again by the Oregon Department of Energy in December 2015 and December 2020. The company is providing the analyses in Confidential Work Papers—PacifiCorp Hourly Incremental Hydro Analyses.

In January 2017, PacifiCorp contracted to purchase the RECs from six Washington-RPS-eligible solar projects over a consecutive ten-year term.

On November 6, 2019, the company executed a single-year, 2020-vintage REC purchase, for Washington only, to address a forecast, short-term compliance shortfall in 2020. These two solar facilities, Granite Mountain East and Granite Mountain West, are located in Salt Lake County, Utah—a state in which PacifiCorp serves retail electrical customers—in the PacifiCorp-East balancing authority area. The facilities were commercially operational September 21, 2016, and September 30, 2016, respectively. The company also purchases the energy from these facilities

under a twenty-year qualifying-facility power purchase agreement.¹ These facilities are registered in the Western Renewable Energy Generation Information System (WREGIS).²

Pages 8-12 of this RPS Report contain information required by Commerce that will be resubmitted to Commerce upon Commission approval of this report. These pages include a summary of the forecasted number of megawatt-hours and RECs to meet the 2021 compliance target.

Please see Table 5 of this report for a summary of PacifiCorp's expected Washington-allocated resource costs compared to the annual revenue requirement.

¹ WAC 480-109-060 (12)(e)

² See Attachment A – RPS Report Tool for WREGIS IDs.

Energy Independence Act (I-937) Commerce Renewable Report – 2021

Energy Independence Act (EIA) Renewable Energy Report 2021

Utility	Pacific Power & Light Company
Report Date	June 1, 2021
Utility Contact Name/Dept	Ariel San Roque-Lujan Jazrica Zahnauf Environmental Policy
Phone	(503) 813-5410 (503) 813-6052
Email	ariel.san@pacificorp.com jazrica.zahnauf@pacificorp.com

Loads and Resources	
2019 Annual Load (MWh)	4,144,590
2020 Annual Load (MWh)	4,065,151
Average of 2019 & 2020 Annual Loads (MWh)	4,104,871
2021 Renewable Target (% of load)	15%
2021 Eligible Renewable Energy Target (MWh)	615,731
2021 Eligible Renewable Resources and RECs	615,731

2021 Compliance Method:

- RPS Target [RCW 19.285.040(2)(a)]
- Resource Cost [RCW 19.285.050]
- No Load Growth [RCW 19.285.040(2)(d)]

Expenditures on Renewable Resources and RECs - 2021	
Amount invested in incremental cost of eligible renewable resources and the cost of RECs	-\$7,910,353
Total annual retail revenue requirement - 2021	\$366,359,248
Investment in renewables and RECs as a percent of retail revenue requirement	-2.16%

	Water	Wind	Solar	Geothermal	Landfill Gas	Wave, Ocean, Tidal	Gas from Sewage Treatment	Biodiesel	Biomass (including incremental)	Qualified Biomass (pre-1999)	Apprentice Labor Credit	Distributed Generation Credit
Eligible Renewable Resources (MWh)	1,857	459,328	36,268	23,852	-	-	-	-	-	-	-	
Renewable Energy Credits	-	-	94,426	-	-	-	-	-	-	-	-	-
Total Renewables (MWh+RECs)	1,857	459,328	130,694	23,852	-	-	-	-	-	-	-	-

2021 Reporting Year:

This renewable energy report summarizes the eligible renewables resources and renewable energy credits (RECs) that the utility has acquired by January 1, 2021 for the purpose of meeting its Energy Independence Act (EIA) renewables target for 2021. The actual resources and RECs used to comply with the 2021 EIA target may vary from those reported here. Utilities will report in June of 2022 on the actual results for 2021.

Compliance Methods:

The EIA provides three compliance methods for utilities:

- Meet the renewable energy target using any combination of renewable resources and RECs. The target for 2021 is 15% of the utility's load.
- Invest at least 4% of the utility's annual revenue requirement in the incremental cost of renewable resources and RECs.
- Invest at least 1% of its annual revenue requirement in renewable resources and RECs. This option is available only to certain utilities that are not growing.

All utilities must report the renewable resources and RECs acquired for the 2021 target year. Utilities that elect to use a compliance method based on renewable investments must provide additional information demonstrating compliance with that method. Refer to WAC 194-37-110(2) and (3) for specific requirements.

NOTE: This is a general explanation of the renewable energy requirements of the Energy Independence Act, intended to help members of the public understand the information reported by the utility. Consult Chapter 19.285 RCW and Chapter 194-37 WAC for details.

Energy Independence Act (I-937) Commerce Renewable Report – 2021

Renewable Resources		Utility		Pacific Power & Light Company		Compliance Year	2021
VREGIS ID	Facility Name	Resource Type	Apprentice Labor Eligibility	Generation Amount (MWh)	Apprentice Labor Amount (MWh equiv.)		
W179	Big Fork	Water	No	90	-		
W194	Blundell I	Geotherma	No	16,104	-		
W230	Blundell II	Geotherma	No	7,748	-		
W1383	Campbell Hill	Wind	No	5,200	-		
W10953	Cedar Springs Wind I	Wind	No	40,191	-		
W11072	Cedar Springs Wind II	Wind	No	39,796	-		
W10972	Cedar Springs Wind III	Wind	No	39,947	-		
W1687	Dunlap I	Wind	No	37,560	-		
W11488	Ekola Flats Wind	Wind	No	60,025	-		
W201	Footo Creek I	Wind	No	8,284	-		
W964	Glenrock Wind I	Wind	No	9,664	-		
W965	Glenrock Wind III	Wind	No	11,265	-		
W536	Goodnoe Hills	Wind	No	10,691	-		
W1334	High Plains	Wind	No	17,390	-		
W180	JC Boyle	Water	No	191	-		
W4909	Latigo Wind	Wind	No	11,364	-		
W200	Leaning Juniper I	Wind	No	13,615	-		
W157	Lemolo 1	Water	No	1,175	-		
W158	Lemolo 2	Water	No	107	-		
W185	Marengo I	Wind	No	12,926	-		
W772	Marengo II	Wind	No	28,923	-		
W1341	McFadden Ridge	Wind	No	9,150	-		
W5057	Pavant II	Solar	No	10,315	-		
W5126	Pioneer Wind	Wind	No	21,885	-		
W140	Prospect 2	Water	No	294	-		
W187	Rock River I	Wind	No	8,564	-		
W928	Rolling Hills	Wind	No	29,264	-		
W8800	Sage Solar I	Solar	No	3,927	-		
W8808	Sage Solar II	Solar	No	3,971	-		
W8811	Sage Solar III	Solar	No	3,291	-		
W975	Seven Mile Hill I	Wind	No	33,184	-		
W976	Seven Mile Hill II	Wind	No	6,954	-		
W7365	Sweetwater Solar	Solar	No	14,764	-		
TBD	TB Flats Wind II	Wind	No	3,486	-		

Renewable Energy Credits

Utility **Pacific Power & Light Company**
 Compliance Year **2021**

ID	Facility Name	REC Vintage (Year)	Resource Type	Apprentice Labor Eligibility	Distributed Generation Eligibility	Quantity RECs	Apprentice Labor Amount MWh equiv.	Distributed Generation Amount MWh equiv.	Explanatory Notes (as needed)
W7039	Adams Solar	2020	Solar	No	No	4,627	-	-	
W7047	Bear Creek Solar	2020	Solar	No	No	4,806	-	-	
W7046	Big Solar	2020	Solar	No	No	4,555	-	-	
W7044	Elbe Solar	2020	Solar	No	No	4,725	-	-	
W4938	Enterprise Solar	2020	Solar	No	No	48,622	-	-	
W4619	Pavant Solar	2020	Solar	No	No	27,091	-	-	

Energy Independence Act (I-937) Commerce Renewable Report – 2021

*Costs for acquired RECs may be provided on an aggregated basis when there are sufficient and multiple contracts to obscure the contract price for any single resource or contract. Costs for acquired RECs from an individual resource may be provided five years from execution of the contract for that resource. The cost of an unbundled REC represents the cost of a resource-independent renewable attribute, and is not indicative of the cost of any given resource type – wind, solar, etc..

Energy Independence Act (EIA) Incremental Cost and REC Cost Report 2021

Incremental Cost of Renewable Resources

Facility Name	WREGIS II	MWh	Utility		Description of Substitute Resource	Substitute Resource Annual Cost in 2020	Substitute Resource Cost per MWh	Incremental Cost of Renewable Resource in 2020
			Compliance Year	Pacific Power & Light Company 2021				
			Renewable Resource Annual Cost in 2020	Renewable Resource Cost per MWh				
Big Fork	W179	90	-\$1,740	(19.34)			-	-\$1,740
Blundell I	W194	16,104	\$0	-			-	\$0
Blundell II	W230	7,748	-\$492,326	(63.54)			-	-\$492,326
Campbell Hill	W1383	5,200	-\$184,672	(35.51)			-	-\$184,672
Cedar Springs Wind I	W10953	40,191	-\$1,289,247	(32.08)			-	-\$1,289,247
Cedar Springs Wind II	W11072	39,796	\$1,332,549	33.48			-	\$1,332,549
Cedar Springs Wind III	W10972	39,947	-\$1,271,273	(31.82)			-	-\$1,271,273
Dunlap I	W1687	37,560	-\$883,227	(23.52)			-	-\$883,227
Ekola Flats Wind	W11488	60,025	-\$2,434,955	(40.57)			-	-\$2,434,955
Foote Creek I	W201	8,284	\$0	-			-	\$0
Glenrock Wind I	W964	9,664	-\$44,254	(4.58)			-	-\$44,254
Glenrock Wind III	W965	11,265	-\$43,396	(3.85)			-	-\$43,396
Goodnoe Hills	W536	10,691	\$182,704	17.09			-	\$182,704
High Plains	W1334	17,390	\$7,330	0.42			-	\$7,330
JC Boyle	W180	191	-\$12,689	(66.44)			-	-\$12,689
Latigo Wind	W4909	11,364	-\$413,102	(36.35)			-	-\$413,102
Leaning Juniper I	W200	13,615	\$248,920	18.28			-	\$248,920
Lemolo 1	W157	1,175	-\$53,145	(45.23)			-	-\$53,145
Lemolo 2	W158	107	-\$7,025	(65.65)			-	-\$7,025
Marengo I	W185	12,926	\$188,768	14.60			-	\$188,768
Marengo II	W772	28,923	\$592,903	20.50			-	\$592,903
McFadden Ridge	W1341	9,150	-\$78,590	(8.59)			-	-\$78,590
Pavant II	W5057	10,315	-\$629,922	(61.07)			-	-\$629,922
Pioneer Wind	W5126	21,885	-\$851,108	(38.89)			-	-\$851,108
Prospect 2	W140	294	-\$11,840	(40.27)			-	-\$11,840
Rock River I	W187	8,564	\$100,387	11.72			-	\$100,387
Rolling Hills	W928	29,264	-\$257,922	(8.81)			-	-\$257,922
Sage Solar I	W8800	3,927	-\$86,438	(22.01)			-	-\$86,438
Sage Solar II	W8808	3,971	-\$94,819	(23.88)			-	-\$94,819
Sage Solar III	W8811	3,291	-\$77,423	(23.53)			-	-\$77,423
Seven Mile Hill I	W975	33,184	-\$568,487	(17.13)			-	-\$568,487

Seven Mile Hill II	W976	6,954	-\$126,089	(18.13)		-	-\$126,089
Sweetwater Solar	W7365	14,764	-\$675,817	(45.77)		-	-\$675,817
TB Flats Wind II	TBD	3,486	-\$133,626	(38.33)		-	-\$133,626
Totals		521,305	-\$8,069,569			\$0	-\$8,069,569

Cost of Renewable Energy Credits

Utility **Pacific Power & Light Company**
 Compliance Year **2021**

Facility Name	WREGIS ID	REC Vintage (Year)	Number of RECs	Annual Cost of Renewable Energy Credits	Cost per REC
Adams Solar	W7039	2020	4,627	\$6,478	1.40
Bear Creek Solar	W7047	2020	4,806	\$6,728	1.40
Blq Solar	W7046	2020	4,555	\$6,377	1.40
Elbe Solar	W7044	2020	4,725	\$6,615	1.40
Enterprise Solar	W4938	2020	48,622	\$92,382	1.90
Pavant Solar	W4619	2020	27,091	\$40,637	1.50
Total			94,426	\$159,217	

Documentation of the calculation and inputs for percentage of revenue requirement invested in renewables:

Alternative Compliance

Under WAC 480-109-210(2)(b), the utility must state in its report if it is relying on one of the alternative compliance mechanisms provided in WAC 480-109-220 instead of meeting its renewable resource target. PacifiCorp has met its 2020 obligations and anticipates meeting its 2021 obligations without the need for an alternative compliance mechanism.

Resource Cost Compared to Annual Retail Revenue Requirement

Under RCW 19.285.070(1), a utility must report the percentage of its total annual retail revenue requirement invested in the incremental cost of eligible renewable resources and the cost of RECs. Similarly, under WAC 480-109-210, a utility must report the incremental cost of eligible renewable resources and RECs, and the ratio of this investment relative to the utility's total annual retail revenue requirement.

The incremental cost of an eligible renewable resource is defined in RCW 19.285.050(1)(b) as the difference between the levelized delivered cost of the eligible renewable resource, regardless of ownership, compared to the levelized delivered cost of an equivalent amount of reasonably available substitute resource that does not qualify as eligible, where the resources being compared have the same contract length or facility life.

With the adoption of General Order R-578 in Docket UE-131723, the Commission revised rules implementing the EIA, codified in RCW Ch. 19.285, including the application of a new methodology for calculating incremental cost. PacifiCorp performed the incremental cost calculations as defined in WAC 480-109-210; please refer to the company's confidential work paper labeled PacifiCorp Renewable Resource Incremental Cost Methodology.

REC Costs for REC-Only Purchases

The cost of RECs from a REC-only purchase is based on the contractual price set forth in the applicable bilateral agreement between the company and the counterparty.

Incremental Costs for Renewable Resources

The estimated cost of the RECs from renewable resources is the calculated levelized cost of each eligible renewable resource at the time of acquisition, compared to an equivalent amount of the lowest-reasonable-cost resource available to the utility at the time of the eligible resource's acquisition.

PacifiCorp repowered twelve resources in 2019 and 2020—Dunlap, Glenrock I, Glenrock III, Goodnoe Hills, High Plains, Leaning Juniper, Marengo I, Marengo II, McFadden Ridge, Rolling Hills, Seven Mile Hill I and Seven Mile Hill II. These projects underwent a capital upgrade or “repowering” that changed the capacity value, extended useful life, and changed costs and production tax credits. PacifiCorp will therefore recalculate incremental costs for repowering for those twelve resources in its 2021 compliance report.

Concurrently with the filing of this RPS Report, PacifiCorp filed a request for a one-time waiver of the requirement in WAC 480-109-210(2)(a)(i) that a utility (1) make a one-time incremental cost calculation for each eligible resource included in a utility’s renewable portfolio standard report, and (2) identify the capacity value of each eligible renewable resource as calculated in the utility’s most recent integrated resource plan (IRP) acknowledged by the Commission. The waiver allows PacifiCorp to provide an updated incremental cost calculation to reflect the repowering of its wind resources in this RPS report. It also allows the company to use its 2019 IRP Progress Report in the absence of a 2019 commission-acknowledges IRP.

Incremental Costs for Renewable Energy from Incremental Hydroelectric Upgrades

The estimated incremental cost of eligible renewable energy from incremental hydroelectric upgrades represents the calculated levelized cost of each hydroelectric upgrade at the time of investment in the upgrade, compared to an equivalent amount of the lowest-reasonable-cost resource available to the utility at the time of the eligible resource’s acquisition.

The company’s work paper provided with this report and labeled PacifiCorp Renewable Resource Cost Analysis provides the key assumptions and analysis that the company used to forecast the estimated resource costs associated with the renewable resources and RECs for the target years 2020 and 2021.

Revenue Requirement

The revenue requirement amounts used in this Renewable Report are from the applicable general rate case, Docket UE-152253 for 2020 and UE-191024 for 2021. The revenue requirement in 2020 is \$330,209,153, unchanged from 2019.³ For 2021, WA’s revenue requirement is \$366,359,248.

Resource Costs Compared to Revenue Requirement

Table 5 shows the expected Washington-allocated resource costs (incremental cost of eligible renewable resources and the cost of RECs) compared to the annual revenue requirements for 2020 and 2021.

Table 5

Calendar Year	Total Washington Allocated Resource Costs	Washington Annual Revenue Requirement	% of Washington Expected Allocated Resource Costs to Annual Revenue Requirement
2020	\$ 4,625,799	\$ 330,209,153	1.40%
2021	(\$7,910,232)	\$366,359,248	(2.16%)

³ The revenue requirement number for 2018 reported in the company’s 2018 report was \$346,967,880. This number has been revised to reflect the impacts of the Tax Cuts and Jobs Act.

Based on this analysis, the company is able to meet its compliance obligations without exceeding the threshold of four percent of annual revenue requirement.

Multistate Allocations

Under WAC 480-109-210(e)(i), a utility serving retail customers in more than one state must allocate RECs consistent with the utility's most recent Commission-approved inter-jurisdictional allocation methodology. This section explains how the company applied the current inter-jurisdictional allocation methodology to arrive at the number of RECs allocated to Washington customers.

PacifiCorp is a multi-jurisdictional utility providing electric retail service to more than 1.9 million customers in California, Idaho, Oregon, Utah, Washington, and Wyoming. Approximately 137,000 of these customers are located in Washington.

PacifiCorp allocates RECs to its states consistent with the inter-jurisdictional allocation methodologies approved in each state. Oregon, California, Idaho, Utah and Wyoming currently use the 2020 Protocol inter-jurisdictional allocation methodology, or its predecessor the 2017 Protocol.⁴ The 2017 and 2020 Protocol allocates all generation-related costs, revenues, rate base balances, and RECs to each state using the system generation (SG) allocation factor. The SG factor is calculated based on each state's contribution to PacifiCorp's energy and capacity requirements for its entire six-state system. Using this methodology, Washington's SG factor is approximately eight percent (*i.e.* Washington is approximately eight percent of PacifiCorp's six-state system).

In Washington, however, PacifiCorp will use the West Control Area Inter-Jurisdictional Allocation Methodology (WCA) through 2020. This methodology allocates generation resources located in the west control area (primarily located in California, Oregon, and Washington) using the control area generation west (CAGW) allocation factor. The CAGW factor is calculated based on each state's (California, Oregon, and Washington) contribution to PacifiCorp's energy and capacity requirements for the west control area. Washington's CAGW factor is approximately 22 percent (*i.e.*, Washington is approximately 22 percent of the west control area).

As a result of Washington's use of the WCA methodology, PacifiCorp's Washington rates reflect a CAGW share, approximately 22 percent, of generation resources located in the west control area. Accordingly, Washington customers are entitled to approximately 22 percent of RECs from these facilities. Using different inter-jurisdictional allocation methodologies for different states, however, creates challenges because the sum of each state's allocated share may not equal 100 percent. To address this issue, PacifiCorp first allocates each state its share of RECs using the state's SG factor. Using this process, Washington receives approximately eight percent of RECs from resources in the west-control-area.

⁴ The California Public Utility Commission approved use of the 2017 Protocol in the Company's most recent general rate case in that state, A.18-04-002. The Commissions in Oregon, Idaho, Utah and Wyoming have all approved the 2020 Protocol.

The west control area contains the following eligible resources:

- Goodnoe Hills (wind)
- Leaning Juniper (wind)
- Marengo I (wind)
- Marengo II (wind)
- Prospect 2 (incremental hydro)
- Lemolo 1 (incremental hydro)
- Lemolo 2 (incremental hydro)
- JC Boyle (incremental hydro)

PacifiCorp addresses the variance between Washington’s SG share of resources in the west control area (approximately eight percent) and Washington’s CAGW share (approximately 22 percent) by providing Washington RECs from other eligible resources. The EIA allows PacifiCorp to use RECs from PacifiCorp facilities in other states where PacifiCorp makes retail sales.⁵ This means that the actual RECs used to fulfill Washington’s CAGW share may include RECs from resources located in any of PacifiCorp’s jurisdictions or include REC purchases, but the total RECs will equal Washington’s CAGW share of resources in the west control area.

Any REC purchases necessary for RPS compliance in excess of Washington’s CAGW share of resources in the west control area will be reflected in Washington customers’ rates.⁶ This treatment ensures that Washington customers receive an allocation of costs and benefits of RECs proportionate to its share of costs for renewable resource reflected in rates.

In 2020, PacifiCorp used company-owned and contracted generation from the following resources in Wyoming to provide Washington with its full CAGW allocation:

- Top of the World
- Dunlap I
- Glenrock I
- Campbell Hill/Three Buttes
- Seven Mile Hill I
- Cedar Springs Wind I
- Cedar Springs Wind II
- High Plains
- Rolling Hills

⁵ RCW 19.285.030(12)(e)

⁶ On February 9, 2017, in Docket UE-161067, the Washington Utilities and Transportation Commission approved PacifiCorp’s request seeking cost recovery for its 2016 unbundled REC purchase. On November 8, 2019, PacifiCorp submitted a petition for an order authorizing the company to defer costs associated with the purchase of unbundled RECs necessary for RPS compliance for calendar year 2020 (Docket UE-190929).

Beginning January 1, 2021, Washington transitioned to a new cost allocation protocol – the Washington Interjurisdictional Allocation Methodology (WIJAM). Under this protocol, Washington receives a system generation share of all system renewables, versus recognizing only west-side renewables under the former WCA. In PacifiCorp’s 2021 plan, Washington is allocated RECs from approximately 27 resources from which it did not previously receive an allocation.

PacifiCorp does not plan to use any third-party REC purchases to supply Washington’s CAGW allocation in 2021, apart from those RECs already delivered per January 2017 and November 2019 solar contracts. Table 6 summarizes how PacifiCorp plans to supply Washington with its CAGW share of renewable generation in 2021.

Table 6: Allocation of PacifiCorp’s Eligible Generation to Washington*

COMPLIANCE RECS	
Target	615,731
2021 Vintage (System renewables)	521,305
2021 Vintage Multistate REC RFP Purchases	94,426
2022 Vintage (System WIJAM renewables)	0
2022 Vintage Multistate REC RFP Purchases	0
	615,731

*see Attachment C, “(2)(a)(ii)Annual-2021, estimate” tab for detail.

PacifiCorp follows WREGIS and state RPS requirements to ensure that RECs are never double-counted.

Prior Year Progress

As demonstrated in this report, PacifiCorp met its Washington 2020 RPS compliance target with a combination of eligible renewable resources, REC purchases and renewable energy from hydroelectric facilities with upgrades completed after March 1999. The company set aside the WREGIS certificates for the 2020 compliance target and, upon Commission approval, will retire these WREGIS certificates. The company is providing a listing of the WREGIS certificates that have been created in its confidential work papers labeled WREGIS Certificates for Washington Compliance for 2020⁷.

The company did not rely on any alternative compliance mechanisms to meet its renewable resource targets for 2020.

⁷ 2020 certificates used for 2019 compliance, totaling 20,916 MWhs have not yet been created in WREGIS. Q4 2019 certificates totaling 2,864 MWhs for Adams Solar, Bear Creek Solar, Bly Solar, and Elbe Solar have not yet been transferred to the company by the contract counterparty. The counterparty has demonstrated to PacifiCorp their efforts to rectify the issue and delivery of the WREGIS certificates is anticipated to occur upon creation in that system under the Operating Rules by May 30, 2020.

Current Year Progress

PacifiCorp plans to meet its Washington 2021 RPS compliance target with eligible renewable resources, including renewable energy from hydroelectric facilities with upgrades completed after March 1999.

The company does not anticipate relying on any alternative compliance mechanisms to meet its renewable resource targets for 2021.

Supporting Documents for Renewable Report

Further information about PacifiCorp's renewable portfolio standard resources may be found at:
<https://www.pacificorp.com/energy/wind-solar.html>

List of Attachments

Attachment A – Washington Utilities and Transportation Commission RPS Report Tool

Attachment B – PacifiCorp Description of Incremental Hydro Methodology and Oregon
Department of Energy Correspondence on Updated Certification for Efficiency
Upgrades at Eleven Hydropower Generating Units

Attachment C – PacifiCorp Incremental Cost Report (Confidential)

Attachment A

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

PacifiCorp

Renewable Report

RPS Reporting Tool

June 1, 2021

General Instructions:

Grey shading indicates cells where information is not required

Yellow shading indicate cells where inputs are entered

Green shading indicate cells with dropdown lists

White shading indicate formulated cells

Blue shading indicates summary calculations

"Compliance Summary" Worksheet

Enter "X" When Complete	Checklist Item	Cell/Row Description	Units	Cell/Row	Comments
	1	Reporting Entity	Text	B2	Enter the name of the reporting entity
	2	Reporting Date	Year	B4	Enter the date the report is submitted
	3	Delivered Load to Retail Customers	MWh	B7:E7	Enter the MWh delivered to customers

"Facility Detail" Worksheet

Enter "X" When Complete	Checklist Item	Cell/Row Description	Units	Cell/Row	Comments
Instructions in the section are for the cells B2:F31. Each row represents a different facility.					
	1	Facility Name	Text	B2:B31	Enter the name of the qualifying facility or contract
	2	WREGIS ID	Text	C2:C31	Enter the WREGIS ID for the qualifying facility
	3	Facility Type	Toggle	D2:D31	Select the generation type for the qualifying facility
	4	Extra Apprenticeship Credit Eligibility	Toggle	E2:E31	For facilities that qualify for extra apprenticeship credits select "Eligible". Select "Not Eligible for non-qualifying facilities.
	5	Distributed Generation Eligibility	Toggle	F2:F31	For facilities that qualify for distributed generation select "Eligible". Select "Not Eligible for non-qualifying facilities.

Enter "X" When Complete	Checklist Item	Cell/Row Description	Units	Cell/Row	Comments
Instructions in this section identify the input locations for the 1st facility found in the "Facility Detail" worksheet. Inputs for facilities 2 through 30, also found in the "Facility Detail" worksheet, are identical to facility 1.					
	6	Total MWh Produced from Facility	Number	D39:F39	Enter the annual MWh output from the qualifying facility
	7	Percent of MWh Qualifying	%	D40:F40	Enter the percent of MWh produced that are eligible for meeting RCW 19.285
	8	Percent of Qualifying MWh Allocated to WA State Compliance	%	D41:F41	Enter the percent of qualifying MWh used for compliance with RCW 19.285. Used for facilities that are utilized for RPS compliance in two or more states.
	9	Quantity of RECs from MWh Sold	Number	D50:F50	Enter the annual amount of RECs sold. For Multi-Jurisdictional Utilities, enter in annual WA allocated amount of RECs sold.
	10	Bonus Incentives Transferred	Number	D51:F51	Enter the annual amount of transferred RECs procured from bonus incentives
	11	Bonus Incentives Not Realized	Number	D52:F52	Enter the annual number of bonus incentives that were not realized
	12	2011 Surplus Applied to 2012	Number	D56	Enter the amount of RECs procured in 2011 used for compliance in 2012
	13	2012 Surplus Applied to 2011	Number	E57	Enter the amount of RECs procured in 2012 used for compliance in 2011
	14	2012 Surplus Applied to 2013	Number	E58	Enter the amount of RECs procured in 2012 used for compliance in 2013
	15	2013 Surplus Applied to 2012	Number	F59	Enter the amount of RECs procured in 2013 used for compliance in 2012
	16	Adjustment for Events Beyond Control	Number	D62:F62	Enter the annual MWh not produced due to events beyond control as outlined in RCW 19.285.040 (2)(i)

Reporting Entity: **PacifiCorp**

Reporting Date: **June 1, 2021**

RCW 19.285 Compliance Need

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Delivered Load to Retail Customers (MWh)	3,984,631	4,005,863	4,041,898	4,092,688	4,117,646	4,108,270	3,981,654	4,221,298	3,949,116	4,144,590	4,065,151	4,121,391
WA State RCW 19.285 Requirement		0%	3%	3%	3%	3%	9%	9%	9%	9%	15%	15%
Quantity Required for Compliance			119,857	120,716	122,019	123,155	370,166	364,047	369,133	367,669	607,028	615,731

Eligible Quantity Acquired

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Qualifying MWh Allocated to WA		104,826	107,711	107,158	114,902	271,108	373,982	285,492	293,213	198,797	560,183	963,681
Quantity from Non REC Eligible Generation		-	-	-	-	-	-	-	-	-	-	-
Total Quantity Available for RCW 19.285 Compliance		104,826	107,711	107,158	114,902	271,108	373,982	285,492	293,213	198,797	560,183	963,681

Sales and Transfers

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold		-	-	-	-	-	-	-	-	-	-	-
Bonus Incentives Transferred		-	-	-	-	-	-	-	-	-	-	-
Bonus Incentives Not Realized		-	-	-	-	-	-	-	-	-	-	-
Total Sold / Transferred / Unrealized		-	-	-	-	-	-	-	-	-	-	-

Adjustments

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		(104,826)	104,826									
2012 Surplus Applied to 2011		-	-									
2012 Surplus Applied to 2013			(92,679)	92,679								
2013 Surplus Applied to 2012			-	-								
2013 Surplus Applied to 2014				(79,121)	79,121							
2014 Surplus Applied to 2013				-	-							
2014 Surplus Applied to 2015					(72,004)	72,004						
2015 Surplus Applied to 2014					-	-						
2015 Surplus Applied to 2016						(219,957)	219,957					
2016 Surplus Applied to 2015						-	-					
2016 Surplus Applied to 2017							(223,773)	223,773				
2017 Surplus Applied to 2016							-	-				
2017 Surplus Applied to 2018								(145,218)	145,218			
2018 Surplus Applied to 2017								-	-			
2018 Surplus Applied to 2019									(69,298)	69,298		
2019 Surplus Applied to 2018									-	-		
2019 Surplus Applied to 2020										-	-	
2020 Surplus Applied to 2019										99,573	(99,573)	
2020 Surplus Applied to 2021										-	-	
2021 Surplus Applied to 2020											146,418	(146,418)
2021 Surplus Applied to 2022												(201,532)
Net Surplus Adjustments		(104,826)	12,147	13,558	7,117	(147,953)	(3,816)	78,555	75,920	168,871	46,845	(347,950)

Adjustment for Events Beyond Control

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
		-	-	-	-	-	-	-	-	-	-	-
RCW 19.285 Compliance Surplus / (Deficit)		0	1	(0)	0	(0)	(0)	1	0	(1)	(0)	0

In both the "Compliance Summary" and "Facility Detail" worksheets, utilities may need to protect commercially sensitive information by use of the CONFIDENTIAL designation.

Note 1: Any surplus or deficit in row 43 (RCW 19.285 Compliance Surplus / (Deficit)) is a result of rounding in the Facility Detail tab. The correct target amount of RECs have been/will be retired for all compliance years.

PACIFICORP Notes and Assumptions

Retail Sales:

2010 - 2020 actual retail sales. 2021 load forecast based on 2019 IRP progress report.

Facility Generation:

2011 - 2020 is based on actual generation or REC purchase data. Generation forecast begins January 2021.

The Company uses one of three patterning methods to model wind resources. First, and if the appropriate data is available, historical monthly/seasonal patterns are developed using hourly data available over the life of the plant. This is the Company's preferred method. Second, if historical information is unavailable, but hourly data from wind site studies is, on/off peak engineering estimate patterns are developed. Third, if neither of the first two types of data is available, Energy Information Agency (EIA) wind patterning is used.

The forecasts for wind resources include generation attributed to the Company's planned repowering efforts.

Allocation Factors:

2011 - 2020 actual System Generation (SG) and Control Area Generation West (CAGW) allocation factors. Forecast factors (2021 onward).

REC Sales:

The company does not plan to sell any excess RECs and will hold any excess RECs and apply to a future year target.

Facility Name:	Facility WREGIS ID:	Facility Type	Extra	Distributed	Online Date:
			Apprenticeship Credit Eligibility:	Generation Bonus Eligibility:	
Adams Solar	W7039	Solar	Not Eligible	Not Eligible	27-Jul-18
Bear Creek Solar	W7047	Solar	Not Eligible	Not Eligible	28-Sep-18
Bennett Creek Windfarm - REC Only	W542	Wind	Not Eligible	Not Eligible	30-Sep-08
Bigfork	W179	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Jan-29
Blundell	W194	Geothermal	Not Eligible	Not Eligible	1-Jul-84
Blundell II	W230	Geothermal	Not Eligible	Not Eligible	1-Nov-07
Bly Solar	W7046	Solar	Not Eligible	Not Eligible	21-Dec-18
Campbell Hill	W1383	Wind	Not Eligible	Not Eligible	1-Dec-09
Cedar Springs Wind I	W10953	Wind	Not Eligible	Not Eligible	15-Dec-20
Cedar Springs Wind II	W11072	Wind	Not Eligible	Not Eligible	TBD
Cedar Springs Wind III	W10972	Wind	Not Eligible	Not Eligible	11-Dec-20
Condon Wind Power Project - Condon Wind Power Proj	W774	Wind	Not Eligible	Not Eligible	31-Dec-01
Condon Wind Power Project - Condon Phase II - REC On	W833	Wind	Not Eligible	Not Eligible	1-Jun-02
Dunlap I	W1687	Wind	Not Eligible	Not Eligible	1-Oct-10
Ekola Flats Wind	W11488	Wind	Not Eligible	Not Eligible	TBD
Elbe Solar	W7044	Solar	Not Eligible	Not Eligible	21-Dec-18
Elkhorn Valley Wind - REC Only	W186	Wind	Not Eligible	Not Eligible	20-Nov-07
Enterprise	W4938	Solar	Not Eligible	Not Eligible	10-Aug-18
Fighting Creek - REC Only	W2659	Landfill Gas	Not Eligible	Not Eligible	5-Mar-12
Footte Creek I	W201	Wind	Not Eligible	Not Eligible	22-Apr-99
Glenrock I	W964	Wind	Not Eligible	Not Eligible	31-Dec-08
Glenrock III	W965	Wind	Not Eligible	Not Eligible	17-Jan-09
Goodnoe Hills	W536	Wind	Not Eligible	Not Eligible	31-May-08
Granite Mountain East	W4942	Solar	Not Eligible	Not Eligible	25-Oct-16
Granite Mountain West	W4943	Solar	Not Eligible	Not Eligible	25-Oct-16
Hidden Hollow - REC Only	W1634	Landfill Gas	Not Eligible	Not Eligible	11-Oct-05
High Plains	W1334	Wind	Not Eligible	Not Eligible	31-Jul-09
Hot Springs Windfarm - REC Only	W543	Wind	Not Eligible	Not Eligible	30-Sep-08
JC Boyle	W180	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Jan-28
Klondike I - Klondike Wind Power LLC - REC Only	W238	Wind	Not Eligible	Not Eligible	1-Jan-02
Latigo Wind	W4909	Wind	Not Eligible	Not Eligible	4-Mar-16
Leaning Juniper	W200	Wind	Not Eligible	Not Eligible	14-Sep-06
Lemolo 1	W157	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Jul-55
Lemolo 2	W158	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Nov-56
Lower Snake - Phalen Gulch - REC Only	W2670	Wind	Not Eligible	Not Eligible	29-Feb-12
Marengo I	W185	Wind	Not Eligible	Not Eligible	1-Aug-07
Marengo II	W772	Wind	Not Eligible	Not Eligible	28-Jun-08
McFadden Ridge	W1341	Wind	Not Eligible	Not Eligible	29-Sep-09
Meadow Creek Wind Farm - Five Pine Project - REC Only	W3186	Wind	Not Eligible	Not Eligible	22-Dec-12
Meadow Creek Wind Farm - North Point Wind Farm - R	W3185	Wind	Not Eligible	Not Eligible	11-Dec-12
Mountain Wind 1	W1022	Wind	Not Eligible	Not Eligible	1-Jul-08
Mountain Wind 2	W1023	Wind	Not Eligible	Not Eligible	29-Sep-08
Nine Canyon Wind Project - REC Only	W684	Wind	Not Eligible	Not Eligible	1-Sep-02
Nine Canyon Wind Project - Nine Canyon Phase 3 - REC	W697	Wind	Not Eligible	Not Eligible	1-May-08
Pavant	W4619	Solar	Not Eligible	Not Eligible	30-Dec-15
Pavant Solar II LLC	W5057	Solar	Not Eligible	Not Eligible	22-Nov-16
Pioneer Wind Park I LLC	W5126	Wind	Not Eligible	Not Eligible	27-Oct-16
Prospect 2	W140	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Jan-28
Rock River I	W187	Wind	Not Eligible	Not Eligible	8-Nov-01
Rolling Hills	W928	Wind	Not Eligible	Not Eligible	17-Jan-09
Sage Solar I, LLC	W8800	Solar	Not Eligible	Not Eligible	30-Sep-19
Sage Solar II, LLC	W8808	Solar	Not Eligible	Not Eligible	13-Sep-19
Sage Solar III, LLC	W8811	Solar	Not Eligible	Not Eligible	13-Sep-19
Seven Mile Hill I	W975	Wind	Not Eligible	Not Eligible	31-Dec-08
Seven Mile Hill II	W976	Wind	Not Eligible	Not Eligible	31-Dec-08
SPI Aberdeen - REC Only	W1640	Biomass	Not Eligible	Not Eligible	15-Mar-03
Stateline (WA) - FPL Energy Vansycle LLC - REC Only	W248	Wind	Not Eligible	Not Eligible	14-Dec-01
Sweetwater Solar, LLC	W7365	Solar	Not Eligible	Not Eligible	28-Dec-18
Top of the World	W1749	Wind	Not Eligible	Not Eligible	1-Oct-10
TB Flats Wind I	TBD	Wind	Not Eligible	Not Eligible	TBD
TB Flats Wind II	TBD	Wind	Not Eligible	Not Eligible	TBD
*Tuana Springs - REC Only	W1503	Wind	Not Eligible	Not Eligible	14-May-10
Wanapum (Upgrade)	NA	ater (Incremental Hydr	Not Eligible	Not Eligible	1-Jul-63
Wolverine Creek	W188	Wind	Not Eligible	Not Eligible	12-Feb-06

In both the "Compliance Summary" and "Facility Detail" worksheets, utilities may need to protect commercially sensitive information by use of the CONFIDENTIAL designation.

Facility Name:

Adams Solar

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Adams Solar
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Adams Solar								12,017	20,764	22,810	20,726
Percent of MWh Qualifying Under RCW 19.285								100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA								22%	22%	22%	22%

Facility Name:	Cedar Springs Wind I										
MWh Allocated to WA Compliance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Cedar Springs Wind I							-				745,113
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	60,191
Non REC Eligible Generation	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-
REC Sales / Transfers	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-
Adjustments	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				
2015 Surplus Applied to 2016								-			
2016 Surplus Applied to 2015									-		
2016 Surplus Applied to 2017										-	
2017 Surplus Applied to 2016											-
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020										20,000	20,000
2021 Surplus Applied to 2022											
Net Surplus Adjustments										20,000	(20,000)
Adjustment for Events Beyond Control											
Contribution to RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	20,000	40,191

Facility Name:	Cedar Springs Wind II										
MWh Allocated to WA Compliance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Cedar Springs Wind II							-				740,220
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	59,796
Non REC Eligible Generation	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-
REC Sales / Transfers	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-
Adjustments	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				

Facility Name:

Dunlap I

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Dunlap I
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Dunlap I					339,706	388,498	351,261	391,874	182,469	416,943	464,964
Percent of MWh Qualifying Under RCW 19.285					100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA					8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	27,359	31,741	25,412	31,135	14,000	33,884	37,560

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022
Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012	-										
2012 Surplus Applied to 2011		-									
2012 Surplus Applied to 2013			-								
2013 Surplus Applied to 2012				-							
2013 Surplus Applied to 2014					-						
2014 Surplus Applied to 2013						-					
2014 Surplus Applied to 2015							-				
2015 Surplus Applied to 2014								-			
2015 Surplus Applied to 2016						27,359					
2016 Surplus Applied to 2015							27,359				
2016 Surplus Applied to 2017								-			
2017 Surplus Applied to 2016									-		
2017 Surplus Applied to 2018								24,513			
2018 Surplus Applied to 2017									24,513		
2018 Surplus Applied to 2019										-	
2019 Surplus Applied to 2018											-
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020											
2021 Surplus Applied to 2022											
Net Surplus Adjustments	-	-	-	-	(27,359)	27,359	(24,513)	24,513	-	-	-

Adjustment for Events Beyond Control

Adjustment for Events Beyond Control											
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Contribution to RCW 19.285 Compliance

Contribution to RCW 19.285 Compliance	-	-	-	-	-	59,100	899	55,648	14,000	33,884	37,560
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Facility Name:

Ekola Flats Wind

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Ekola Flats Wind
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Ekola Flats Wind											743,053
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	60,025

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012	-										
2012 Surplus Applied to 2011		-									
2012 Surplus Applied to 2013			-								
2013 Surplus Applied to 2012				-							
2013 Surplus Applied to 2014					-						

2014 Surplus Applied to 2013																						
2014 Surplus Applied to 2015																						
2015 Surplus Applied to 2014																						
2015 Surplus Applied to 2016																						
2016 Surplus Applied to 2015																						
2016 Surplus Applied to 2017																						
2017 Surplus Applied to 2016																						
2017 Surplus Applied to 2018																						
2018 Surplus Applied to 2017																						
2018 Surplus Applied to 2019																						
2019 Surplus Applied to 2018																						
2019 Surplus Applied to 2020																						
2020 Surplus Applied to 2019																						
2020 Surplus Applied to 2021																						
2021 Surplus Applied to 2020																						
2021 Surplus Applied to 2022																						
Net Surplus Adjustments																						
Adjustment for Events Beyond Control																						
Contribution to RCW 19.285 Compliance																						60,025

Facility Name: Elbe Solar

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Elbe Solar								10,628	20,746	22,933	21,164
Percent of MWh Qualifying Under RCW 19.285								100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA						0%	0%	22%	22%	22%	22%
Eligible MWh Available for RCW 19.285 Compliance								648	4,613	5,126	4,725

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized											

Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012											
2012 Surplus Applied to 2011											
2012 Surplus Applied to 2013											
2013 Surplus Applied to 2012											
2013 Surplus Applied to 2014											
2014 Surplus Applied to 2013											
2014 Surplus Applied to 2015											
2015 Surplus Applied to 2014											
2015 Surplus Applied to 2016											
2016 Surplus Applied to 2015											
2016 Surplus Applied to 2017											
2017 Surplus Applied to 2016											
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019								648	648		
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019									3,364	3,364	
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020											
2021 Surplus Applied to 2022											
Net Surplus Adjustments								(648)	4,012		
Adjustment for Events Beyond Control											
Contribution to RCW 19.285 Compliance									8,625	1,762	4,725

Facility Name: Elkhorn Valley Wind - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
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2021 Surplus Applied to 2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2021 Surplus Applied to 2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Surplus Adjustments									(19,234)	(31,222)	15,112	68,542	(33,198)	-					
Adjustment for Events Beyond Control																			
Contribution to RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	19,234	64,705	117,474	19,315	48,622					

Facility Name: **Fighting Creek - REC Only**

MWh Allocated to WA Compliance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Fighting Creek - REC Only					730						
Percent of MWh Qualifying Under RCW 19.285					100%						
Percent of Qualifying MWh Allocated to WA					100%						
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	730	-	-	-	-	-	-

Non REC Eligible Generation	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				
2015 Surplus Applied to 2016						730	730				
2016 Surplus Applied to 2015								-	-	-	-
2016 Surplus Applied to 2017									-	-	-
2017 Surplus Applied to 2016										-	-
2017 Surplus Applied to 2018											-
Net Surplus Adjustments	-	-	-	-	(730)	730	-	-	-	-	-
Adjustment for Events Beyond Control											

Contribution to RCW 19.285 Compliance	-	-	-	-	-	730	-	-	-	-	-
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Facility Name: **Foote Creek I**

MWh Allocated to WA Compliance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Foote Creek I											102,552
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	8,284

Non REC Eligible Generation	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							

Distributed Generation Bonus	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-
REC Sales / Transfers											
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized											
Adjustments											
2011 Surplus Applied to 2012											
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				
2015 Surplus Applied to 2016								-			
2016 Surplus Applied to 2015									-		
2016 Surplus Applied to 2017										-	
2017 Surplus Applied to 2016											-
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020											
2021 Surplus Applied to 2022											
Net Surplus Adjustments											
Adjustment for Events Beyond Control											
Contribution to RCW 19.285 Compliance										75,000	

Facility Name:

Hidden Hollow - REC Only

MWh Allocated to WA Compliance	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Hidden Hollow - REC Only					12,501	3,960					
Percent of MWh Qualifying Under RCW 19.285					100%	100%					
Percent of Qualifying MWh Allocated to WA					100%	100%					
Eligible MWh Available for RCW 19.285 Compliance					12,501	3,960					
Non REC Eligible Generation											
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-
REC Sales / Transfers											
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized											
Adjustments											
2011 Surplus Applied to 2012											
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-									
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				
2015 Surplus Applied to 2016								-			
2016 Surplus Applied to 2015									-		
2016 Surplus Applied to 2017										-	
2017 Surplus Applied to 2016											-
2017 Surplus Applied to 2018											
Net Surplus Adjustments					(12,501)	8,541	3,960	-	-	-	-
Adjustment for Events Beyond Control											
Contribution to RCW 19.285 Compliance						12,501	3,960				

2013 Surplus Applied to 2014			-	-	-							
2014 Surplus Applied to 2013				-								
2014 Surplus Applied to 2015					-							
2015 Surplus Applied to 2014						-						
2015 Surplus Applied to 2016							8,028	8,028				
2016 Surplus Applied to 2015												
2016 Surplus Applied to 2017								10,218	10,218			
2017 Surplus Applied to 2016												
2017 Surplus Applied to 2018									8,846	8,846		
2018 Surplus Applied to 2017												
2018 Surplus Applied to 2019										1,923	1,923	
Net Surplus Adjustments	(7,963)	7,963	-	-	(8,028)	(2,190)	1,372	6,923	1,923	-	-	
Adjustment for Events Beyond Control												
Contribution to RCW 19.285 Compliance	-	7,963	-	-	-	8,028	10,218	8,846	1,923	-	-	

Facility Name: **JC Boyle (Upgrade 2005)**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from JC Boyle (Upgrade 2005)		3,462	2,402	2,295	2,130	2,857	4,238	2,581	3,044	2,362	2,362
Percent of MWh Qualifying Under RCW 19.285		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA		8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	276	189	184	172	235	342	205	234	192	191

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021										
2011 Surplus Applied to 2012		-																			
2012 Surplus Applied to 2011	-																				
2012 Surplus Applied to 2013			-																		
2013 Surplus Applied to 2012				-																	
2013 Surplus Applied to 2014					-																
2014 Surplus Applied to 2013						-															
2014 Surplus Applied to 2015							-														
2015 Surplus Applied to 2014								-													
2015 Surplus Applied to 2016									-												
2016 Surplus Applied to 2015										-											
2016 Surplus Applied to 2017											-										
2017 Surplus Applied to 2016												-									
2017 Surplus Applied to 2018													-								
2018 Surplus Applied to 2017														-							
2018 Surplus Applied to 2019															-						
2019 Surplus Applied to 2018																-					
2019 Surplus Applied to 2020																	-				
2020 Surplus Applied to 2019																		-			
2020 Surplus Applied to 2021																			-		
2021 Surplus Applied to 2020																				-	
2021 Surplus Applied to 2022																					-
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment for Events Beyond Control																					
Contribution to RCW 19.285 Compliance	-	276	189	184	172	235	342	205	234	192	191										

Facility Name: **Klondike I - Klondike Wind Power LLC - REC Only**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Klondike I - Klondike Wind Power LLC - REC Only						8,543					
Percent of MWh Qualifying Under RCW 19.285						100%					

Facility Name: Leaning Juniper

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Leaning Juniper
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Leaning Juniper	234,789	190,905	206,164	215,245	188,567	202,605	155,685	201,665	167,178	316,351	292,330
Percent of MWh Qualifying Under RCW 19.285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	18,530	15,200	16,235	17,270	15,187	16,552	12,585	16,022	12,827	25,709	23,615

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022
Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012	18,530	18,530									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		15,200	15,200								
2013 Surplus Applied to 2012		-									
2013 Surplus Applied to 2014			16,235	16,235							
2014 Surplus Applied to 2013			-								
2014 Surplus Applied to 2015				17,270	17,270						
2015 Surplus Applied to 2014				-							
2015 Surplus Applied to 2016					15,187	15,187					
2016 Surplus Applied to 2015					-						
2016 Surplus Applied to 2017						-					
2017 Surplus Applied to 2016							-				
2017 Surplus Applied to 2018								-			
2018 Surplus Applied to 2017									-		
2018 Surplus Applied to 2019										-	
2019 Surplus Applied to 2018											-
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020										10,000	10,000
2021 Surplus Applied to 2022											
Net Surplus Adjustments	(18,530)	3,330	(1,035)	(1,035)	2,083	15,187	-	-	-	10,000	(10,000)

Adjustment for Events Beyond Control

Adjustment for Events Beyond Control											
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Contribution to RCW 19.285 Compliance

Contribution to RCW 19.285 Compliance	-	18,530	15,200	16,235	17,270	31,739	12,585	16,022	12,827	35,709	13,615
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Facility Name: Lemolo 1 (Upgrade 2003)

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Lemolo 1 (Upgrade 2003)
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Lemolo 1 (Upgrade 2003)		17,021	12,661	14,311	12,553	13,621	17,773	12,686	11,639	8,423	14,549
Percent of MWh Qualifying Under RCW 19.285		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA		8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	1,355	997	1,148	1,011	1,113	1,438	1,007	893	685	1,175

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013			-								
2013 Surplus Applied to 2012				-							

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Lower Snake – Phalen Gulch - REC Only
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
				1,300						
				100%						
				100%						
-	-	-	-	1,300	-	-	-	-	-	-

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	-									
-										
	-	-								
		-	-							
			-							
				-						
					-					
					1,300	1,300				
						-	-	-	-	-
-	-	-	-	(1,300)	1,300	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	1,300	-	-	-	-	-
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Facility Name: **Marengo I**

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Marengo I
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Marengo I	403,408	358,669	331,240	367,390	298,771	356,053	315,543	336,426	145,630	482,194	469,486
Percent of MWh Qualifying Under RCW 19.285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	31,837	28,557	26,084	29,478	24,062	29,087	25,507	26,729	11,173	39,187	37,926

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022

Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012	31,837	31,837									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		28,557	28,557								
2013 Surplus Applied to 2012		-									
2013 Surplus Applied to 2014			26,084	26,084							
2014 Surplus Applied to 2013			-								
2014 Surplus Applied to 2015				29,478	29,478						
2015 Surplus Applied to 2014				-							
2015 Surplus Applied to 2016					24,062	24,062					
2016 Surplus Applied to 2015					-						
2016 Surplus Applied to 2017											
2017 Surplus Applied to 2016											
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019									36,231	36,231	
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020										25,000	25,000
2021 Surplus Applied to 2022											
Net Surplus Adjustments	(31,837)	3,280	2,473	(3,394)	5,416	24,062	-	-	-	61,231	(25,000)

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	31,837	28,557	26,084	29,478	53,149	25,507	26,729	47,404	27,956	12,926
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Facility Name: **Marengo II**

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Marengo II
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Marengo II	194,378	177,552	154,612	174,766	137,848	170,369	153,361	164,436	91,366	211,675	573,599
Percent of MWh Qualifying Under RCW 19.285	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	15,341	14,137	12,175	14,022	11,102	13,918	12,396	13,065	7,010	17,203	46,336

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022
Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012	15,341	15,341									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		14,137	14,137								
2013 Surplus Applied to 2012		-									
2013 Surplus Applied to 2014			12,175	12,175							
2014 Surplus Applied to 2013			-								
2014 Surplus Applied to 2015				14,022	14,022						
2015 Surplus Applied to 2014				-							
2015 Surplus Applied to 2016					11,102	11,102					
2016 Surplus Applied to 2015					-						
2016 Surplus Applied to 2017											
2017 Surplus Applied to 2016											
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020										11,418	11,418
2021 Surplus Applied to 2022											5,995
Net Surplus Adjustments	(15,341)	1,204	1,962	(1,847)	2,920	11,102	-	-	-	11,418	(17,413)

Adjustment for Events Beyond Control

Adjustment for Events Beyond Control											
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Contribution to RCW 19.285 Compliance

Contribution to RCW 19.285 Compliance	-	15,341	14,137	12,175	14,022	25,020	12,396	13,065	7,010	28,621	28,923
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Facility Name: **Mcfadden Ridge**

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from McFadden Ridge
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from McFadden Ridge											113,264
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	9,150

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-	-								
2013 Surplus Applied to 2012			-								
2013 Surplus Applied to 2014				-							

Facility Name: Mountain Wind II

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Mountain Wind II
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
										210,448
										100%
										8%
-	-	-	-	-	-	-	-	-	-	17,000

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022
Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	-									
-										
	-	-								
		-								
			-							
				-						
					-					
						-				
							-			
								-		
									-	
										-
										17,000
-	-	-	-	-	-	-	-	-	-	(17,000)

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	-	0
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Facility Name: Nine Canyon Wind Project - REC Only

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Nine Canyon Wind Project - REC Only
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
				2,500	8,225					
				100%	100%					
				100%	100%					
-	-	-	-	2,500	8,225	-	-	-	-	-

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
-	-									
	-									
		-								
			-							
				-						

Facility Name:

Pioneer Wind Park

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Pioneer Wind Park
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

Table with 11 columns (2011-2021) and 4 rows showing MWh production and allocation percentages. Total MWh for 2021 is 270,924, with 8% (21,885 MWh) allocated to WA compliance.

Non REC Eligible Generation

Extra Apprenticeship Credit
Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

Table with 11 columns (2011-2021) and 3 rows showing quantities for apprenticeship credit, distributed generation bonus, and total non-REC eligible generation.

REC Sales / Transfers

Quantity of RECs Sold
Bonus Incentives Transferred
Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

Table with 11 columns (2011-2021) and 4 rows showing REC sales and transfer data.

Adjustments

2011 Surplus Applied to 2012
2012 Surplus Applied to 2011
2012 Surplus Applied to 2013
2013 Surplus Applied to 2012
2013 Surplus Applied to 2014
2014 Surplus Applied to 2013
2014 Surplus Applied to 2015
2015 Surplus Applied to 2014
2015 Surplus Applied to 2016
2016 Surplus Applied to 2015
2016 Surplus Applied to 2017
2017 Surplus Applied to 2016
2017 Surplus Applied to 2018
2018 Surplus Applied to 2017
2018 Surplus Applied to 2019
2019 Surplus Applied to 2018
2019 Surplus Applied to 2020
2020 Surplus Applied to 2019
2020 Surplus Applied to 2021
2021 Surplus Applied to 2020
2021 Surplus Applied to 2022
Net Surplus Adjustments

Table with 11 columns (2011-2021) and 20 rows showing surplus adjustments between years.

Adjustment for Events Beyond Control

Table with 11 columns (2011-2021) and 1 row for adjustments beyond control.

Contribution to RCW 19.285 Compliance

Table with 11 columns (2011-2021) and 1 row showing total contribution to compliance, totaling 21,885 MWh in 2021.

Facility Name:

Prospect 2 (Upgrade 1999)

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Prospect 2 (Upgrade 1999)
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Prospect 2 (Upgrade 1999)		4,118	3,722	3,469	2,802	4,030	4,305	3,347	3,213	2,946	3,636
Percent of MWh Qualifying Under RCW 19.285		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	328	293	278	226	329	346	266	247	239	294

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014
 2014 Surplus Applied to 2013
 2014 Surplus Applied to 2015
 2015 Surplus Applied to 2014
 2015 Surplus Applied to 2016
 2016 Surplus Applied to 2015
 2016 Surplus Applied to 2017
 2017 Surplus Applied to 2016
 2017 Surplus Applied to 2018
 2018 Surplus Applied to 2017
 2018 Surplus Applied to 2019
 2019 Surplus Applied to 2018
 2019 Surplus Applied to 2020
 2020 Surplus Applied to 2019
 2020 Surplus Applied to 2021
 2021 Surplus Applied to 2020
 2021 Surplus Applied to 2022
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013			-								
2013 Surplus Applied to 2012		-									
2013 Surplus Applied to 2014				-							
2014 Surplus Applied to 2013					-						
2014 Surplus Applied to 2015						-					
2015 Surplus Applied to 2014							-				
2015 Surplus Applied to 2016								-			
2016 Surplus Applied to 2015									-		
2016 Surplus Applied to 2017										-	
2017 Surplus Applied to 2016											-
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020											
2021 Surplus Applied to 2022											
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

Adjustment for Events Beyond Control											
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Contribution to RCW 19.285 Compliance

Contribution to RCW 19.285 Compliance	-	328	293	278	226	329	346	266	247	239	294
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Facility Name:

Rock River

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Rock River
 Percent of MWh Qualifying Under RCW 19.285
 Percent of Qualifying MWh Allocated to WA
 Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Rock River											106,017
Percent of MWh Qualifying Under RCW 19.285											100%
Percent of Qualifying MWh Allocated to WA											8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	8,564

Non REC Eligible Generation

Extra Apprenticeship Credit
 Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
 Bonus Incentives Transferred
 Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
 2012 Surplus Applied to 2011
 2012 Surplus Applied to 2013
 2013 Surplus Applied to 2012
 2013 Surplus Applied to 2014

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013			-								
2013 Surplus Applied to 2012				-							
2013 Surplus Applied to 2014					-						

2014 Surplus Applied to 2013				-	-							
2014 Surplus Applied to 2015												
2015 Surplus Applied to 2014												
2015 Surplus Applied to 2016												
2016 Surplus Applied to 2015												
2016 Surplus Applied to 2017												
2017 Surplus Applied to 2016												
2017 Surplus Applied to 2018												
2018 Surplus Applied to 2017												
2018 Surplus Applied to 2019												
2019 Surplus Applied to 2018												
2019 Surplus Applied to 2020												
2020 Surplus Applied to 2019												
2020 Surplus Applied to 2021												
2021 Surplus Applied to 2020												
2021 Surplus Applied to 2022												
Net Surplus Adjustments												

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

												8,564
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Facility Name:

Rolling Hills

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Total MWh Produced / Purchased from Rolling Hills					5,468					363,208	362,259
Percent of MWh Qualifying Under RCW 19.285					100%					100%	100%
Percent of Qualifying MWh Allocated to WA					8%					8%	8%
Eligible MWh Available for RCW 19.285 Compliance					5,468					29,517	29,264

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Quantity of RECs Sold											
Bonus Incentives Transferred											
Bonus Incentives Not Realized											
Total Sold / Transferred / Unrealized											

Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
2011 Surplus Applied to 2012		-									
2012 Surplus Applied to 2011	-										
2012 Surplus Applied to 2013		-	-								
2013 Surplus Applied to 2012		-									
2013 Surplus Applied to 2014			-	-							
2014 Surplus Applied to 2013			-								
2014 Surplus Applied to 2015					-						
2015 Surplus Applied to 2014											
2015 Surplus Applied to 2016					5,468	5,468					
2016 Surplus Applied to 2015											
2016 Surplus Applied to 2017											
2017 Surplus Applied to 2016											
2017 Surplus Applied to 2018											
2018 Surplus Applied to 2017											
2018 Surplus Applied to 2019											
2019 Surplus Applied to 2018											
2019 Surplus Applied to 2020											
2020 Surplus Applied to 2019											
2020 Surplus Applied to 2021											
2021 Surplus Applied to 2020											
2021 Surplus Applied to 2022											
Net Surplus Adjustments					(5,468)	5,468					

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

						5,468				29,517	29,264
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Facility Name:

Sage Solar I

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Sage Solar I
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Total MWh Produced / Purchased from Sage Solar I												48,616
Percent of MWh Qualifying Under RCW 19.285												100%
Percent of Qualifying MWh Allocated to WA												8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	-	3,927

Non REC Eligible Generation

Extra Apprenticeship Credit
Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
Bonus Incentives Transferred
Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Quantity of RECs Sold												
Bonus Incentives Transferred												
Bonus Incentives Not Realized												
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
2012 Surplus Applied to 2011
2012 Surplus Applied to 2013
2013 Surplus Applied to 2012
2013 Surplus Applied to 2014
2014 Surplus Applied to 2013
2014 Surplus Applied to 2015
2015 Surplus Applied to 2014
2015 Surplus Applied to 2016
2016 Surplus Applied to 2015
2016 Surplus Applied to 2017
2017 Surplus Applied to 2016
2017 Surplus Applied to 2018
2018 Surplus Applied to 2017
2018 Surplus Applied to 2019
2019 Surplus Applied to 2018
2019 Surplus Applied to 2020
2020 Surplus Applied to 2019
2020 Surplus Applied to 2021
2021 Surplus Applied to 2020
2021 Surplus Applied to 2022
Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021							
2011 Surplus Applied to 2012		-																
2012 Surplus Applied to 2011	-																	
2012 Surplus Applied to 2013		-																
2013 Surplus Applied to 2012			-															
2013 Surplus Applied to 2014			-	-														
2014 Surplus Applied to 2013				-														
2014 Surplus Applied to 2015				-	-													
2015 Surplus Applied to 2014					-													
2015 Surplus Applied to 2016						-												
2016 Surplus Applied to 2015							-											
2016 Surplus Applied to 2017								-										
2017 Surplus Applied to 2016									-									
2017 Surplus Applied to 2018										-								
2018 Surplus Applied to 2017											-							
2018 Surplus Applied to 2019												-						
2019 Surplus Applied to 2018													-					
2019 Surplus Applied to 2020														-				
2020 Surplus Applied to 2019															-			
2020 Surplus Applied to 2021																-		
2021 Surplus Applied to 2020																	-	
2021 Surplus Applied to 2022																		-
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

Adjustment for Events Beyond Control																		
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Contribution to RCW 19.285 Compliance

Contribution to RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	-	3,927
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Facility Name:

Sage Solar II

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Sage Solar II
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Total MWh Produced / Purchased from Sage Solar II												49,154
Percent of MWh Qualifying Under RCW 19.285												100%
Percent of Qualifying MWh Allocated to WA												8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	-	-	-	-	-	-	3,971

Non REC Eligible Generation

Extra Apprenticeship Credit
Distributed Generation Bonus
Total Quantity from Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Extra Apprenticeship Credit	-	-	-	-	-	-	-	-	-	-	-	-
Distributed Generation Bonus	-	-	-	-	-	-	-	-	-	-	-	-
Total Quantity from Non REC Eligible Generation	-	-	-	-	-	-	-	-	-	-	-	-

REC Sales / Transfers

Quantity of RECs Sold
Bonus Incentives Transferred
Bonus Incentives Not Realized
Total Sold / Transferred / Unrealized

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Quantity of RECs Sold												
Bonus Incentives Transferred												
Bonus Incentives Not Realized												
Total Sold / Transferred / Unrealized	-	-	-	-	-	-	-	-	-	-	-	-

Adjustments

2011 Surplus Applied to 2012
2012 Surplus Applied to 2011
2012 Surplus Applied to 2013
2013 Surplus Applied to 2012
2013 Surplus Applied to 2014
2014 Surplus Applied to 2013
2014 Surplus Applied to 2015
2015 Surplus Applied to 2014
2015 Surplus Applied to 2016
2016 Surplus Applied to 2015

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
2011 Surplus Applied to 2012		-										
2012 Surplus Applied to 2011	-											
2012 Surplus Applied to 2013		-										
2013 Surplus Applied to 2012			-									
2013 Surplus Applied to 2014			-	-								
2014 Surplus Applied to 2013				-								
2014 Surplus Applied to 2015				-	-							
2015 Surplus Applied to 2014					-							
2015 Surplus Applied to 2016						-						
2016 Surplus Applied to 2015							-					

Facility Name:

Top of the World

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Top of the World
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

Table with 11 columns (years 2011-2021) and 4 rows of MWh data. Values range from 45,911 to 610,844.

Non REC Eligible Generation

Extra Apprenticeship Credit
Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

Table with 11 columns (years 2011-2021) and 3 rows of generation data. All values are zero.

REC Sales / Transfers

Quantity of RECs Sold
Bonus Incentives Transferred
Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

Table with 11 columns (years 2011-2021) and 4 rows of REC data. All values are zero.

Adjustments

2011 Surplus Applied to 2012
2012 Surplus Applied to 2011
2012 Surplus Applied to 2013
2013 Surplus Applied to 2012
2013 Surplus Applied to 2014
2014 Surplus Applied to 2013
2014 Surplus Applied to 2015
2015 Surplus Applied to 2014
2015 Surplus Applied to 2016
2016 Surplus Applied to 2015
2016 Surplus Applied to 2017
2017 Surplus Applied to 2016
2017 Surplus Applied to 2018
2018 Surplus Applied to 2017
2018 Surplus Applied to 2019
2019 Surplus Applied to 2018
2019 Surplus Applied to 2020
2020 Surplus Applied to 2019
2020 Surplus Applied to 2021
2021 Surplus Applied to 2020
2021 Surplus Applied to 2022

Net Surplus Adjustments

Adjustment for Events Beyond Control

Table with 11 columns (years 2011-2021) and 24 rows of adjustment data. Includes Net Surplus Adjustments and Events Beyond Control.

Contribution to RCW 19.285 Compliance

Table with 11 columns (years 2011-2021) and 1 row of compliance contribution data.

Facility Name:

TB Flats Wind I

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from TB Flats Wind I
Percent of MWh Qualifying Under RCW 19.285
Percent of Qualifying MWh Allocated to WA
Eligible MWh Available for RCW 19.285 Compliance

Table with 11 columns (years 2011-2021) and 4 rows of MWh data. Values range from 60,484 to 748,736.

Non REC Eligible Generation

Extra Apprenticeship Credit
Distributed Generation Bonus

Total Quantity from Non REC Eligible Generation

Table with 11 columns (years 2011-2021) and 3 rows of generation data. All values are zero.

REC Sales / Transfers

Quantity of RECs Sold
Bonus Incentives Transferred
Bonus Incentives Not Realized

Total Sold / Transferred / Unrealized

Table with 11 columns (years 2011-2021) and 4 rows of REC data. All values are zero.

Adjustments

2011 Surplus Applied to 2012
2012 Surplus Applied to 2011
2012 Surplus Applied to 2013
2013 Surplus Applied to 2012
2013 Surplus Applied to 2014

Table with 11 columns (years 2011-2021) and 5 rows of adjustment data.

Attachment B

Attachment B

Description of Hydroelectric Efficiency Analysis

The incremental hydro generation resulting from efficiency gains from hydropower upgrades were calculated using the same method that PacifiCorp submitted to the Oregon Department of Energy for certification of PacifiCorp's facilities as eligible for the Oregon Renewable Portfolio Standard program.

Historical hourly generation data for the period 2007 through 2012 was collected for each unit that was upgraded. Each hour of generation was modified to create two additional hourly profiles representing the efficiency of the unit before and after the upgrade. The hourly pre- and post- efficiency values were based on curves developed from the unit index tests or manufacturer-provided theoretical curves. Efficiency gain for each hour was calculated by taking the difference between the new and old efficiency value and dividing it by the old efficiency value. This gain was then multiplied by the post upgrade generation value to produce an incremental megawatt-hour gain. The initial calculated incremental gain was subtracted from the pre/post upgraded generation profiles to exclude the generation associated with the upgrade.

Generation improvements were calculated for every instance when efficiency improvements were positive including those periods when the unit was ramping up to maximum efficiency. In some cases, portions of the post efficiency upgrade curve are less than the pre upgrade curve. In instances that the efficiency gain was negative, generation was not included in the calculation. Further, since in some cases the post upgrade curve extended beyond the pre upgrade curve (i.e. the new turbine had a higher generation capacity) generation improvements were capped at the point when flows on the pre and post upgrade curve were equal.



Oregon

Kate Brown, Governor



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www.oregon.gov/energy

January 20, 2026

Jessica Zahnow
PacifiCorp
825 NE Multnomah St.
Portland, OR 97232

RE: Recertifications of Oregon RPS Eligibility for PacifiCorp Hydropower Generating Units

Dear Ms. Zahnow:

The Oregon Department of Energy has approved PacifiCorp's request for Oregon Renewable Portfolio Standard (RPS) recertification for the following ten (10) incremental hydropower efficiency. The Department has notified WREGIS of these approvals and updated the eligibility good through dates.

Generating Unit	WREGIS Number	Approval Number	Incremental Percentage	Eligible Thru Date
Prospect 2	W140	12alt002or	1.68%	January 2026
Yale 1 & 2	W141	12alt003wa	1.35%	January 2026
Copco 1	W142	12alt004ca	0.52%	January 2026
Cutler	W151	12alt005ut	3.10%	January 2026
Lemolo 1	W157	12alt006or	10.16%	January 2026
Lemolo 2	W158	12alt007or	0.78%	January 2026
Pioneer	W162	12alt009ut	6.74%	January 2026
Prospect 3	W164	12alt010or	10.71%	January 2026
Big Fork	W179	12alt011mt	4.22%	January 2026
JC Boyle	W180	12alt012or	1.33%	January 2026

If any changes are made to these facilities that could affect their eligibility for the Oregon RPS, the Department must be notified.

This letter is supplemental to the individual certification letters sent for each facility.

Please contact me with any questions about this letter or approval.

Best,

John Cornwell
WREGIS Program Administrator – Oregon
Oregon Department of Energy
550 Capital St NE
Salem, OR, 97301

Attachment C

One Time Calculation of Incremental Cost for Each (All) Eligible Resource(s)

480-109-210(2)(a)(i) Utility must make a one-time calculation of incremental cost for each eligible resource at the time of acquisition or, for historic acquisitions, the best information available at the time of acquisition

Formula **One Time Calculation** of Incremental Cost:

Energy-Levelized Incremental Cost:
 [Levelized Cost Eligible Renewable Resource – Levelized Cost Alternative]

Capacity-Levelized Incremental Cost:
 [Levelized Cost Eligible Renewable Resource – Levelized Cost Alternative]

Energy + Capacity = Incremental Cost

Resource	Incremental Levelized Cost (\$/REC/MWh)	Levelized Cost Eligible Renewable Resource (\$/MWh)	\$	Energy	Capacity	Capacity	\$	\$
			Total Annual Cost (\$)	Levelized Cost	Levelized Cost	Total Alternative Cost (\$)	Incremental Cost (\$)	Washington Share (\$)
Adams Solar	1.40	-	-	-	-	-	-	-
Bear Creek Solar	1.40	-	-	-	-	-	-	-
Bigfork	(19.34)	27.31	\$61,588.09	35.52	11.13	\$105,196.07	(43,608)	-
Blundell ¹	-	-	-	-	-	-	-	-
Blundell II	(63.54)	30.12	2,819,202	80.70	13.62	8,829,294	(6,010,091)	-
Bly Solar	1.40	-	-	-	-	-	-	-
Campbell Hill - WIJAM (2021)	(35.51)	69.96	20,609,599	82.64	16.74	29,273,265	(8,663,666)	-
Campbell Hill - WCA (2020)	18.22	-	-	-	-	-	-	-
Cedar Springs Wind I	(32.08)	16.89	12,647,624	50.00	20.13	52,511,159	(39,863,534)	-
Cedar Springs Wind II	33.48	1.85	1,288,231	36.39	18.02	37,799,677	(36,511,446)	-
Cedar Springs Wind III	(31.82)	16.89	8,153,662	33.09	15.62	23,515,342	(15,361,680)	-
Dunlap I - WIJAM (2021)	(23.52)	49.88	20,108,704	\$57.78	\$13.59	28,774,507	(8,665,802)	-
Dunlap I - WCA (2020)	18.22	-	-	-	-	-	-	-
Ekola Flats Wind	(40.57)	6.39	4,902,777	\$34.01	\$17.52	39,568,627	(34,665,850)	-
Elbe Solar	1.40	-	-	-	-	-	-	-
Enterprise	1.90	-	-	-	-	-	-	-
Footo Creek I ¹	-	-	-	-	-	-	-	-
Glenrock I - WIJAM (2021)	(4.58)	59.03	19,684,219	\$48.75	\$14.07	20,945,850	(1,261,631)	-
Glenrock I - WCA (2020)	18.22	-	-	-	-	-	-	-
Glenrock III	(3.85)	59.45	7,645,460	\$48.71	\$13.66	8,020,204	(374,744)	-
Goodnoe Hills	17.09	74.51	20,279,851	\$45.94	\$11.49	15,628,690	4,651,161	-
Granite Mountain East ²								
Granite Mountain West ²								
High Plains	0.42	64.92	21,864,069	\$48.32	\$14.06	21,008,082	855,987	-
JC Boyle (Upgrade 2005)	(66.44)	3.26	113,445	\$39.00	\$28.09	2,336,870	(2,223,425)	-
Latigo Wind	(36.35)	63.91	10,292,323	93.44	6.83	16,145,777	(5,853,454)	-
Leaning Juniper	18.28	77.53	21,752,206	\$49.28	11.71	17,111,301	4,640,905	-
Lemolo 1 (Upgrade 2003)	(45.23)	3.91	51,351	37.76	11.37	645,674	(594,322)	-
Lemolo 2 (Upgrade 2009)	(65.65)	51.48	885,532	92.54	24.59	2,014,854	(1,129,323)	-
Marengo I	14.60	75.34	31,676,043	\$46.99	\$12.53	25,020,676	6,655,367	-
Marengo II	20.50	82.25	16,532,487	47.55	12.90	12,151,200	4,381,287	-
McFadden Ridge	(8.59)	56.80	5,432,069	\$48.31	\$14.81	6,037,066	(604,997)	-
Mountain Wind 1	(13.30)	61.96	9,950,466	\$65.86	\$9.40	12,085,736	(2,135,271)	-
Mountain Wind 2	(4.46)	70.58	15,470,418	\$65.79	\$9.25	16,447,372	(976,954)	-
Pavant I	1.50	-	-	-	-	-	-	-
Pavant Solar II LLC	(61.07)	48.80	6,099,573	\$95.16	\$15.01	13,771,475	(7,671,902)	-
Pioneer Wind Park I LLC	(38.89)	63.91	18,007,725	95.46	7.34	28,963,702	(10,955,977)	-
Prospect 2 (Upgrade 1999)	(40.27)	4.31	39,062	34.93	10.47	411,164	(372,102)	-
Rock River I	11.72	48.51	7,052,295	\$33.81	\$3.47	5,419,860	1,632,435	-
Rolling Hills	(8.81)	55.11	16,990,626	\$48.70	\$14.26	19,410,266	(2,419,641)	-
Sage Solar I, LLC	(22.01)	47.54	2,106,878	27.87	33.56	2,722,784	(615,906)	-
Sage Solar II, LLC	(23.88)	45.67	2,024,146	27.87	33.56	2,722,784	(698,638)	-
Sage Solar III, LLC	(23.53)	47.51	1,749,290	27.87	34.82	2,308,186	(558,896)	-
Seven Mile Hill I - WIJAM (2021)	(17.13)	46.98	17,170,798	\$48.48	\$14.05	22,852,716	(5,681,918)	-
Seven Mile Hill I - WCA (2020)	18.22	-	-	-	-	-	-	-
Seven Mile Hill II - WIJAM (2021)	(18.13)	46.35	3,400,013	\$48.68	\$14.93	4,666,188	(1,266,174)	-
Seven Mile Hill II - WCA (2020)	18.22	-	-	-	-	-	-	-
Sweetwater Solar, LLC	(45.77)	44.13	7,425,410	26.88	35.81	10,548,341	(3,122,931)	-
Top of the World - WIJAM (2021)	(30.55)	69.94	41,834,485	83.03	16.14	59,316,513	(17,482,028)	-
Top of the World - WCA (2020)	18.22	-	-	-	-	-	-	-
TB Flats Wind I	(32.84)	18.42	18,860,759	34.77	16.61	52,615,494	(33,754,734)	-
TB Flats Wind II	(38.33)	13.30	8,415,593	35.28	16.99	33,074,688	(24,659,095)	-
Wolverine Creek	10.67	62.19	10,883,366	\$40.56	\$10.96	9,016,465	1,866,901	-
Total Renewable Resource Cost			178,446,620			189,779,638	(11,333,018)	-

NOTES:

- Washington's share of the resource varies from year to year, depending on the state's actual System Generation (SG) Allocation factor.
- Resources generated in 2020 are allocated based on PacificCorp's West Control Area Methodology (WCA)
 - Under the WCA, RECs from wind on PacificCorp's East side have an incremental cost equal to the weighted average incremental cost of west-side wind resources
- Resources generated in 2021 are allocated based on PacificCorp's Washington Interjurisdictional Allocation Methodology (WIJAM)
 - Under WIJAM, RECs from all resources have a standard incremental cost calculation.
- ¹ WAC 480-109-210 (2)(G) - Legacy resources. Any eligible resource that the utility acquired prior to March 31, 1999, is deemed to have an incremental cost of zero.
- ² REC purchase executed November 6, 2019; Projects were operational 9/21/16 and 9/30/16, respectively.
 - Facilities located in Salt Lake County, Utah - a state in which PacificCorp serves retail electrical customers.
 - PacificCorp also purchases the energy for these facilities under a long-term (> 12 months) Qualifying Facility (QF) power purchase agreement. (WAC 480-109-060 (12)(e))

Washington Share:	
2021 REC RESOURCES	
TOTAL INCREMENTAL COST = ENERGY + CAPACITY	-

2020 Actual Data: Annual Calculation of Revenue Requirement Ratio

480-109-210(2)(a)(ii) Utility must annually calculate its revenue requirement ratio for all eligible resources used for target year compliance.

Formula **Annual Calculation** of Incremental Cost (Revenue Requirement Ratio):

1) Total Incremental Cost All* Resources:

{[sum of incremental costs of All* eligible resources + cost of unbundled RECs] - [revenue RECs]} / annual revenue requirement

2) Total Incremental Cost Required Resources for Target Year:

{[sum of incremental costs of Target Year* eligible resources used for target year compliance + cost of unbundled RECs] - [revenue RECs]} / annual revenue requirement

Resource	TARGET YEAR: ALL AVAILABLE RESOURCES BASED ON ACTUAL RESULTS			TARGET YEAR: FORECAST SUBJECT TO CHANGE		
	sum of incremental costs of all eligible resources	RECs Generated or Purchased	Revenue from REC sales	sum of incremental costs of all eligible	RECs purchased	Revenue from REC sales
Adams Solar	2,395	1,711	0			
Bear Creek Solar	2,607	1,862	0			
Bly Solar	2,339	1,671	0			
Campbell Hill - WIJAM (2021)	(710,276)	20,000	0			
Campbell Hill - WCA (2020)	507,760	27,866	0			
Cedar Springs Wind I	(641,560)	20,000	0			
Cedar Springs Wind II	669,690	20,000	0			
Dunlap I - WCA (2020)	617,417	33,884	0			
Elbe Solar	2,467	1,762	0			
Enterprise	36,699	19,315	0			
Glenrock I - WIJAM (2021)	(91,585)	20,000	0			
Glenrock I - WCA (2020)	596,426	32,732	0			
Goodnoe Hills	624,828	36,562	0			
Granite Mountain East ¹		75,000	0			
Granite Mountain West ¹		75,000	0			
High Plains	4,215	10,000	0			
JC Boyle (Upgrade 2005)	(12,756)	192	0			
Leaning Juniper	652,859	35,709	0			
Lemolo 1 (Upgrade 2003)	(30,983)	685	0			
Lemolo 2 (Upgrade 2009)	(4,005)	61	0			
Marengo I	408,263	27,956	0			
Marengo II	586,712	28,621	0			
Pavant I	14,571	9,714	0			
Prospect 2 (Upgrade 1999)	(9,625)	239	0			
Rolling Hills	(260,151.54)	29,517.00	0			
Seven Mile Hill I - WCA (2020)	633,580	34,771	0			
Top of the World - WCA (2020)	768,911	42,198	0			
Total	4,625,799	607,028	0			
WA Share	4,625,799	607,028	0			

Annual Revenue Requirement (most recent rate case)	330,209,153	
	CALCULATION 1 : 4,625,799	CALCULATION 2 :
	1.40%	

NOTES:

Washington's share of the resource varies from year to year, depending on the state's actual System Generation (SG) Allocation factor.

Resources generated in 2020 are allocated based on PacifiCorp's West Control Area Methodology (WCA)

Under the WCA, RECs from wind on PacifiCorp's East side have an incremental cost equal to the weighted average incremental cost of west-side wind resources

Resources generated in 2021 are allocated based on PacifiCorp's Washington Interjurisdictional Allocation Methodology (WIJAM)

Under WIJAM, RECs from all resources have a standard incremental cost calculation

¹ REC purchase executed November 6, 2019; Projects were operational 9/21/16 and 9/30/16, respectively.

Facilities located in Salt Lake County, Utah - a state in which PacifiCorp serves retail electrical customers

PacifiCorp also purchases the energy for these facilities under a long-term (> 12 months) Qualifying Facility (QF) power purchase agreement. (WAC 480-109-060 (12)(e))

2021 Estimated Data: Annual Calculation of Revenue Requirement Ratio

480-109-210(2)(a)(ii) Utility must annually calculate its revenue requirement ratio for all eligible resources used for target year compliance

Formula **Annual Calculation** of Incremental Cost (Revenue Requirement Ratio):

1) Total Incremental Cost All* Resources:

{[sum of incremental costs of All* eligible resources + cost of unbundled RECs] - [revenue RECs]} / annual revenue requirement

2) Total Incremental Cost Required Resources for Target Year:

{[sum of incremental costs of Target Year* eligible resources used for target year compliance + cost of unbundled RECs] - [revenue RECs]} / annual revenue requirement

Resource	ALL AVAILABLE RESOURCES ESTIMATED			TARGET YEAR: BASED ON EXPECTED COMPLIANCE RESOURCES		
	sum of incremental costs of all eligible resources	RECs Generated or Purchased	Revenue from REC sales	sum of incremental costs of all eligible	RECs purchased	Revenue from REC sales
Adams Solar	6,478	4,627	0	6,478	4,627	
Bear Creek Solar	6,728	4,806	0	6,728	4,806	
Bigfork	(1,740)	90	0	(1,740)	90	
Blundell	0	16,104	0	0	16,104	
Blundell II	(492,326)	7,748	0	(492,326)	7,748	
Bly Solar	6,377	4,555	0	6,377	4,555	
Campbell Hill	(184,672)	5,200	0	(184,672)	5,200	
Cedar Springs Wind I	(1,289,247)	40,191	0	(1,289,247)	40,191	
Cedar Springs Wind II	1,332,549	39,796	0	1,332,549	39,796	
Cedar Springs Wind III	(1,271,273)	39,947	0	(1,271,273)	39,947	
Dunlap I	(883,227)	37,560	0	(883,227)	37,560	
Ekola Flats Wind	(2,434,955)	60,025	0	(2,434,955)	60,025	
Elbe Solar	6,615	4,725	0	6,615	4,725	
Enterprise	92,382	48,622	0	92,382	48,622	
Foot Creek I	0	8,284	0	0	8,284	
Glenrock I	(44,254)	9,664	0	(44,254)	9,664	
Glenrock III	(43,396)	11,265	0	(43,396)	11,265	
Goodnoe Hills	182,704	10,691	0	182,704	10,691	
High Plains	7,330	17,390	0	7,330	17,390	
JC Boyle (Upgrade 2005)	(12,689)	191	0	(12,689)	191	
Latigo Wind	(413,102)	11,364	0	(413,102)	11,364	
Leaning Juniper ¹	248,920	13,615	0	248,920	13,615	
Lemolo 1 (Upgrade 2003)	(53,145)	1,175	0	(53,145)	1,175	
Lemolo 2 (Upgrade 2009)	(7,025)	107	0	(7,025)	107	
Marengo I	188,768	12,926	0	188,768	12,926	
Marengo II	715,797	34,918	0	592,903	28,923	
McFadden Ridge	(78,590)	9,150	0	(78,590)	9,150	
Mountain Wind I	(167,263)	12,580	0	0	0	
Mountain Wind II	(75,767)	17,000	0	0	0	
Pavant I	40,637	27,091	0	40,637	27,091	
Pavant Solar II LLC	(629,922)	10,315	0	(629,922)	10,315	
Pioneer Wind Park I LLC	(851,108)	21,885	0	(851,108)	21,885	
Prospect 2 (Upgrade 1999)	(11,840)	294	0	(11,840)	294	
Rock River I	100,387	8,564	0	100,387	8,564	
Rolling Hills	(257,922)	29,264	0	(257,922)	29,264	
Sage Solar I, LLC	(86,438)	3,927	0	(86,438)	3,927	
Sage Solar II, LLC	(94,819)	3,971	0	(94,819)	3,971	
Sage Solar III, LLC	(77,423)	3,291	0	(77,423)	3,291	
Seven Mile Hill I	(568,487)	33,184	0	(568,487)	33,184	
Seven Mile Hill II	(126,089)	6,954	0	(126,089)	6,954	
Sweetwater Solar, LLC	(675,696)	14,764	0	(675,696)	14,764	
TB Flats Wind I	(1,986,021)	60,484	0	0	0	
TB Flats Wind II	(1,739,743)	45,386	0	(133,626)	3,486	
Top of the World	(1,507,288)	49,345	0	0	0	
Wolverine Creek	151,784	14,228	0	0	0	
Total	(12,978,010)	817,263	0	(7,910,232)	615,731	0
WA Share	(12,978,010)	817,263	0	(7,910,232)	615,731	0

Annual Revenue Requirement (most recent rate case)	366,359,248	366,359,248	
CALCULATION 1 :	(12,978,010)	CALCULATION 2 :	(7,910,232)
	-3.54%		-2.16%

(iii)(A) & (B) Annual Reporting Summary Data: 2020 and 2021

2020		Utility must (A) report its total incremental cost as a dollar amount and in dollars per megawatt-hour of renewable energy generated by all eligible renewable resources in the calculation (a)(i) of this subsection; and (B) multiply the dollars per megawatt-hour cost calculated in (a)(iii)(A) of this subsection by the number of megawatt-hours needed for target year compliance.			
Resource	(A)			(B)	
	Total Incremental Cost (as dollar \$ amt.)	MWh	Total Incremental Cost (\$/MWh)	Number of Megawatt-hours Needed for Target Year Compliance	Total Incremental Cost (\$/MWh) Multiplied by Number of Megawatt-hours Needed for Target Year Compliance
Adams Solar	2,395	1,711	1.40	1,711	2,395
Bear Creek Solar	2,607	1,862	1.40	1,862	2,607
Bly Solar	2,339	1,671	1.40	1,671	2,339
Campbell Hill - WIJAM (2021)	(710,276)	20,000	(35.51)	20,000	(710,276)
Campbell Hill - WCA (2020)	507,760	27,866	18.22	27,866	507,760
Cedar Springs Wind I	(641,560)	20,000	(32.08)	20,000	(641,560)
Cedar Springs Wind II	669,690	20,000	33.48	20,000	669,690
Dunlap I - WCA (2020)	617,417	33,884	18.22	33,884	617,417
Elbe Solar	2,467	1,762	1.40	1,762	2,467
Enterprise	36,699	19,315	1.90	19,315	36,699
Glenrock I - WIJAM (2021)	(91,585)	20,000	(4.58)	20,000	(91,585)
Glenrock I - WCA (2020)	596,426	32,732	18.22	32,732	596,426
Goodnoe Hills	624,828	36,562	17.09	36,562	624,828
Granite Mountain East ¹		75,000		75,000	
Granite Mountain West ¹		75,000		75,000	
High Plains	4,215	10,000	0.42	10,000	4,215
JC Boyle (Upgrade 2005)	(12,756)	192	(66.44)	192	(12,756)
Leaning Juniper	652,859	35,709	18.28	35,709	652,859
Lemolo 1 (Upgrade 2003)	(30,983)	685	(45.23)	685	(30,983)
Lemolo 2 (Upgrade 2009)	(4,005)	61	(65.65)	61	(4,005)
Marengo I	408,263	27,956	14.60	27,956	408,263
Marengo II	586,712	28,621	20.50	28,621	586,712
Pavant I	14,571	9,714	1.50	9,714	14,571
Prospect 2 (Upgrade 1999)	(9,625)	239	(40.27)	239	(9,625)
Rolling Hills	(260,152)	29,517	(8.81)	29,517	(260,152)
Seven Mile Hill I - WCA (2020)	633,580	34,771	18.22	34,771	633,580
Top of the World - WCA (2020)	768,911	42,198	18.22	42,198	768,911
TOTAL	4,625,799	607,028		0	4,625,799

2021		Utility must (A) report its total incremental cost as a dollar amount and in dollars per megawatt-hour of renewable energy generated by all eligible renewable resources in the calculation (a)(i) of this subsection; and (B) multiply the dollars per megawatt-hour cost calculated in (a)(iii)(A) of this subsection by the number of megawatt-hours needed for target year compliance.			
Resource	(A)			(B)	
	Total Incremental Cost (as dollar \$ amt.)	MWh	Total Incremental Cost (\$/MWh)	Number of Megawatt-hours Needed for Target Year Compliance	Total Incremental Cost (\$/MWh) Multiplied by Number of Megawatt-hours Needed for Target Year Compliance
Adams Solar	6,478	4,627	1.40	4,627	6,478
Bear Creek Solar	6,728	4,806	1.40	4,806	6,728
Bigfork	(1,740)	90	(19.34)	90	(1,740)
Blundell	0	16,104	0.00	16,104	0
Blundell II	(492,326)	7,748	(63.54)	7,748	(492,326)
Bly Solar	6,377	4,555	1.40	4,555	6,377
Campbell Hill	(184,672)	5,200	(35.51)	5,200	(184,672)
Cedar Springs Wind I	(1,289,247)	40,191	(32.08)	40,191	(1,289,247)
Cedar Springs Wind II	1,332,549	39,796	33.48	39,796	1,332,549
Cedar Springs Wind III	(1,271,273)	39,947	(31.82)	39,947	(1,271,273)
Dunlap I	(883,227)	37,560	(23.52)	37,560	(883,227)
Ekola Flats Wind	(2,434,955)	60,025	(40.57)	60,025	(2,434,955)
Elbe Solar	6,615	4,725	1.40	4,725	6,615
Enterprise	92,382	48,622	1.90	48,622	92,382
Foot Creek I	0	8,284	0.00	8,284	0
Glenrock I	(44,254)	9,664	(4.58)	9,664	(44,254)
Glenrock III	(43,396)	11,265	(3.85)	11,265	(43,396)
Goodnoe Hills	182,704	10,691	17.09	10,691	182,704
High Plains	7,330	17,390	0.42	17,390	7,330
JC Boyle (Upgrade 2005)	(12,689)	191	(66.44)	191	(12,689)
Latigo Wind	(413,102)	11,364	(36.35)	11,364	(413,102)
Leaning Juniper 1	248,920	13,615	18.28	13,615	248,920
Lemolo 1 (Upgrade 2003)	(53,145)	1,175	(45.23)	1,175	(53,145)
Lemolo 2 (Upgrade 2009)	(7,025)	107	(65.65)	107	(7,025)
Marengo I	188,768	12,926	14.60	12,926	188,768
Marengo II	715,797	34,918	20.50	28,923	592,903
McFadden Ridge	(78,590)	9,150	(8.59)	9,150	(78,590)
Mountain Wind I	(167,263)	12,580	(13.30)	0	0
Mountain Wind II	(75,767)	17,000	(4.46)	0	0
Pavant I	40,637	27,091	1.50	27,091	40,637
Pavant Solar II LLC	(629,922)	10,315	(61.07)	10,315	(629,922)
Pioneer Wind Park I LLC	(851,108)	21,885	(38.89)	21,885	(851,108)
Prospect 2 (Upgrade 1999)	(11,840)	294	(40.27)	294	(11,840)
Rock River I	100,387	8,564	11.72	8,564	100,387
Rolling Hills	(257,922)	29,264	(8.81)	29,264	(257,922)
Sage Solar I, LLC	(86,438)	3,927	(22.01)	3,927	(86,438)
Sage Solar II, LLC	(94,819)	3,971	(23.88)	3,971	(94,819)
Sage Solar III, LLC	(77,423)	3,291	(23.53)	3,291	(77,423)
Seven Mile Hill I	(568,487)	33,184	(17.13)	33,184	(568,487)
Seven Mile Hill II	(126,089)	6,954	(18.13)	6,954	(126,089)
Sweetwater Solar, LLC	(675,696)	14,764	(45.77)	14,764	(675,696)
TB Flats Wind I	(1,986,021)	60,484	(32.84)	0	0
TB Flats Wind II	(1,739,743)	45,386	(38.33)	3,486	(133,626)
Top of the World	(1,507,288)	49,345	(30.55)	0	0
Wolverine Creek	151,784	14,228	10.67	0	0
TOTAL	(12,978,010)	817,263		615,731	(7,910,232)