

June 1, 2023

VIA ELECTRONIC FILING

Amanda Maxwell
Executive Director and Secretary
Washington Utilities and Transportation Commission
621 Woodland Square Loop SE
Lacey, WA 98503

RE: 2023 Annual Renewable Portfolio Standard Report

In accordance with RCW 19.285.070 and WAC 480-109-210(1), PacifiCorp d/b/a Pacific Power & Light Company (PacifiCorp or Company) submits its 2023 Annual Renewable Portfolio Standard (RPS) Report to the Washington Utilities and Transportation Commission to report the company's progress in meeting the targets established in RCW 19.285.040.

In compliance with RCW 19.285.070(3) and WAC 480-109-210(4), the company will post 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

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

Sincerely,

_____/s/
Matthew McVee
Vice President, Regulatory Policy and Operations
PacifiCorp
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Washington Utilities and Transportation Commission

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Enclosures:

NEW-PAC-2023-RPS-Rpt-6-1-23.pdf

NEW-PAC-Attach-A-6-1-23.xlsx

NEW-PAC-Attach-B-6-1-23.pdf

NEW-PAC-Attach-C-6-1-23.xlsx

NEW-PAC-WP-2023-RPS-Report-Cost-Analysis-6-1-23.xlsx

NEW-PAC-WP-EIA-RPS-RY2022-WREGIS-6-1-23.pdf

NEW-PAC-WP-Energy-EIA-2023-RenewableReportWorkbook-6-1-23.xlsx

NEW-PAC-WP-Reference-Note-EIA-RPS-RY2022-WREGIS-6-1-23.pdf

NEW-PAC-WP-RPS-Resource-Cost-Analysis-Methodology-6-1-23.pdf



PacifiCorp d/b/a Pacific Power & Light Company

Washington

2023 Renewable Portfolio Standard Report

June 1, 2023

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Introduction

PacifiCorp dba Pacific Power & Light Company (PacifiCorp) submits this 2023 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 2022 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 2023 renewable energy target.

A summary of the company’s 2022 and 2023 renewable targets and eligible renewable resources and RECs are provided below:

Table 1

PacifiCorp Renewable Target, Eligible Resource and RECs		
	2022	2023
Average Retail Sales (MWh)	4,132,056	4,190,020
Percentage Target	15%	15%
Renewable Target	619,808	628,503
Qualifying Resources & RECs (MWh)	795,708¹	803,359

The company does not intend to rely on any of the alternative compliance mechanisms provided in WAC 480-109-210 for meeting either the 2022 or 2023 renewable energy targets under EIA.

¹ There is no application of surplus RECs to subsequent years but reported RECs are held to demonstrate performance towards Clean Energy Implementation Plan interim 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 2022 and 2023.

Table 2

Target Year 2022	
Prior Year Retail Sales (2020)	4,065,151 MWh
Prior Year Retail Sales (2021)	4,198,961 MWh
Average Retail Sales	4,132,056 MWh
Percentage Target	15%
Renewable Target	619,808 MWh/RECs
Target Year 2023	
Prior Year Retail Sales (2021)	4,198,961 MWh
Prior Year Retail Sales (2022)	4,181,079 MWh
Average Retail Sales	4,190,020 MWh
Percentage Target	15%
Renewable Target	628,503 MWh/RECs

Renewable Energy Acquired to Meet Renewable Energy Target

PacifiCorp met its 2022 renewable resource target and plans to meet its 2023 renewable resource target with a combination of eligible RECs, company- and third-party-owned resources, and hydroelectric facilities with upgrades completed after March 1999. Included with this report as Attachment A is the Commission’s RPS Report Tool, which details the renewable resource targets for 2022 and 2023 and the RECs and renewable resources identified to meet the 2022 and 2023 targets.

PacifiCorp will use the following company- and third-party-owned resources for 2023:

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
High Plains	Wind	Wyoming
JC Boyle	Incremental Hydro	Oregon
Leaning Juniper	Wind	Oregon
Lemolo 1	Incremental Hydro	Oregon
Lemolo 2	Incremental Hydro	Oregon
Marengo I	Wind	Washington
Marengo II	Wind	Washington
McFadden Ridge	Wind	Wyoming
Pavant	Solar	Utah
Prospect 2	Incremental Hydro	Oregon
Rock River I	Wind	Wyoming

Resource Name	Fuel Type	Location
Rolling Hills	Wind	Wyoming
Seven Mile Hill I	Wind	Wyoming
Seven Mile Hill II	Wind	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 Attachment B labeled—Description of Hydroelectric Analysis Updated.

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

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 2023 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.

Energy Independence Act (I-937) Commerce Renewable Report – 2023

Energy Independence Act (EIA) Renewable Energy Report 2023

Utility	Pacific Power & Light Co.
Report Date	June 1, 2023
Utility Contact Name/Dept	Ariel Son/Regulation Zepure Shahumyan/Environmental Policy
Phone	(503) 813-5410 (503) 813-5288
Email	ariel.son@pacificcorp.com zepure.shahumyan@pacificcorp.com

Loads and Resources	
2021 Annual Load (MWh)	4,198,961
2022 Annual Load (MWh)	4,181,079
Average of 2021 & 2022 Annual Loads (MWh)	4,190,020
2023 Renewable Target (% of load)	15%
2023 Eligible Renewable Energy Target (MWh)	628,503
2023 Eligible Renewable Resources and RECs	803,359

2023 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 - 2023	
Amount invested in incremental cost of eligible renewable resources and the cost of RECs	-\$10,773,586
Total annual retail revenue requirement - 2023	\$407,257,687
Investment in renewables and RECs as a percent of retail revenue requirement	-2.6%

	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)	1,319	693,036	-	22,315	-	-	-	-	-	-	-	-
Renewable Energy Credits	-	-	86,689	-	-	-	-	-	-	-	-	-
Total Renewables (MWh+RECs)	1,319	693,036	86,689	22,315	-	-	-	-	-	-	-	-

2023 Reporting Year:

This renewable energy report summarizes the eligible renewables resources and renewable energy credits (RECs) that the utility has acquired by January 1, 2023 for the purpose of meeting its Energy Independence Act (EIA) renewables target for 2023. The actual resources and RECs used to comply with the 2023 EIA target may vary from those reported here. Utilities will report in June of 2025 on the actual results for 2023.

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 2023 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 2023 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.

Renewable Resources

Utility	Pacific Power & Light Co.
Compliance Year	2023

WREGIS ID	Facility Name	Resource Type	Apprentice Labor Eligibility	Generation Amount (MWh)	Apprentice Labor Amount (MWh equiv.)	Explanatory Notes (as needed)
W179	Big Fork	Water	No	67	-	
W194	Blundell -Blundell	Geothermal	No	15,646	-	
W230	Blundell-Blundell 2	Geothermal	No	6,669	-	
W1383	Campbell Hill	Wind	No	26,155	-	
W10953	Cedar Springs Wind, LLC	Wind	No	60,471	-	
W11072	Cedar Springs Wind II	Wind	No	57,755	-	
W10972	Cedar Springs Wind III, LLC	Wind	No	40,122	-	
W1687	Dunlap I	Wind	No	32,344	-	
W11488	Ekola Flats Wind	Wind	No	63,140	-	
W201	Foote Creek I	Wind	No	11,509	-	
W964	Glenrock I	Wind	No	26,915	-	
W965	Glenrock III	Wind	No	10,079	-	
W536	Goodnoe Hills	Wind	No	18,603	-	
W1334	High Plains	Wind	No	26,238	-	
W180	JC Boyle	Water	No	92	-	
W4909	Latigo Wind Park	Wind	No	-	-	
w200	Leaning Juniper I	Wind	No	21,808	-	
W157	Lemolo 1	Water	No	937	-	
W158	Lemolo 2	Water	No	98	-	
W185	Marengo	Wind	No	33,979	-	
W772	Marengo II	Wind	No	18,210	-	
W1341	McFadden Ridge	Wind	No	8,119	-	
W1022	Mountain Wind Power	Wind	No	-	-	
W1023	Mountain Wind Power II	Wind	No	-	-	
W5057	PSEG Solar Utah, LLC	Solar	No	-	-	
W5126	Pioneer Wind Park	Wind	No	-	-	
W140	Prospect 2	Water	No	125	-	
W187	Rock River I	Wind	No	-	-	
W928	Rolling Hills	Wind	No	24,660	-	
W8800	Sage I	Solar	No	-	-	
W8808	Sage II	Solar	No	-	-	
W8811	Sage III	Solar	No	-	-	
W975	Seven Mile Hill I	Wind	No	31,343	-	
W976	Seven Mile Hill II	Wind	No	6,388	-	
W7365	Sweetwater	Solar	No	-	-	
W1749	Top of the World	Wind	No	42,480	-	
W12023	TB Flats Wind I	Wind	No	64,572	-	
W12157	TB Flats Wind II	Wind	No	55,222	-	
W188	Wolverine Creek	Wind	No	12,924	-	

Renewable Energy Credits

Utility Pacific Power & Light Co.
 Compliance Year 2023

WREGIS 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 Center	2023	Solar	No	No	4,354	-	-	
W7047	Bear Creek Solar Center	2023	Solar	No	No	4,344	-	-	
W7046	Bly Solar Center	2023	Solar	No	No	4,145	-	-	
W7044	Elbe Solar Center	2023	Solar	No	No	4,346	-	-	
W4938	Enterprise Solar, LLC	2023	Solar	No	No	45,209	-	-	
W4619	Pavant Solar, LLC	2023	Solar	No	No	24,291	-	-	

Energy Independence Act (I-937) Commerce Renewable Report – 2023

*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 2023

Incremental Cost of Renewable Resources

Utility	Pacific Power & Light Co.
Compliance Year	2023

Facility Name	WREGIS ID	MWh	Renewable Resource Annual Cost in 2023	Renewable Resource Cost per MWh	Description of Substitute Resource	Substitute Resource Annual Cost in 2023	Substitute Resource Cost per MWh	Incremental Cost of Renewable Resource in 2023
Big Fork	W179	67	-\$1,296	-\$19.34			\$0	-\$1,296
Blundell -Blundell	W194	15,646	\$0	\$0.00			\$0	\$0
Blundell-Blundell 2	W230	6,669	-\$423,764	-\$63.54			\$0	-\$423,764
Campbell Hill	W1383	26,155	-\$928,864	-\$35.51			\$0	-\$928,864
Cedar Springs Wind, LLC	W10953	60,471	-\$1,939,789	-\$32.08			\$0	-\$1,939,789
Cedar Springs Wind II	W11072	57,755	\$1,933,897	\$33.48			\$0	\$1,933,897
Cedar Springs Wind III, LLC	W10972	40,122	-\$1,276,842	-\$31.82			\$0	-\$1,276,842
Dunlap I	W1687	32,344	-\$760,572	-\$23.52			\$0	-\$760,572
Ekola Flats Wind	W11488	63,140	-\$2,561,317	-\$40.57			\$0	-\$2,561,317
Foote Creek I	W201	11,509	\$0	\$0.00			\$0	\$0
Glenrock I	W964	26,915	-\$123,251	-\$4.58			\$0	-\$123,251
Glenrock III	W965	10,079	-\$38,827	-\$3.85			\$0	-\$38,827
Goodnoe Hills	W536	18,603	\$317,917	\$17.09			\$0	\$317,917
High Plains	W1334	26,238	\$11,060	\$0.42			\$0	\$11,060
JC Boyle	W180	92	-\$6,112	-\$66.43			\$0	-\$6,112
Latigo Wind Park	W4909	-	\$0	\$0.00			\$0	\$0
Leaning Juniper I	w200	21,808	\$398,711	\$18.28			\$0	\$398,711
Lemolo 1	W157	937	-\$42,381	-\$45.23			\$0	-\$42,381
Lemolo 2	W158	98	-\$6,434	-\$65.65			\$0	-\$6,434
Marengo	W185	33,979	\$496,222	\$14.60			\$0	\$496,222
Marengo II	W772	18,210	\$373,293	\$20.50			\$0	\$373,293
McFadden Ridge	W1341	8,119	-\$69,735	-\$8.59			\$0	-\$69,735
Mountain Wind Power	W1022	-	\$0	\$0.00			\$0	\$0
Mountain Wind Power II	W1023	-	\$0	\$0.00			\$0	\$0
PSEG Solar Utah, LLC	W5057	-	\$0	\$0.00			\$0	\$0
Pioneer Wind Park	W5126	-	\$0	\$0.00			\$0	\$0
Prospect 2	W140	125	-\$5,034	-\$40.27			\$0	-\$5,034
Rock River I	W187	-	\$0	\$0.00			\$0	\$0
Rolling Hills	W928	24,660	-\$217,344	-\$8.81			\$0	-\$217,344
Sage I	W8800	-	\$0	\$0.00			\$0	\$0
Sage II	W8808	-	\$0	\$0.00			\$0	\$0
Sage III	W8811	-	\$0	\$0.00			\$0	\$0
Seven Mile Hill I	W975	31,343	-\$536,948	-\$17.13			\$0	-\$536,948
Seven Mile Hill II	W976	6,388	-\$115,827	-\$18.13			\$0	-\$115,827
Sweetwater	W7365	-	\$0	\$0.00			\$0	\$0
Top of the World	W1749	42,480	-\$1,297,590	-\$30.55			\$0	-\$1,297,590
TB Flats Wind I	W12023	64,572	-\$2,120,253	-\$32.84			\$0	-\$2,120,253
TB Flats Wind II	W12157	55,222	-\$2,116,778	-\$38.33			\$0	-\$2,116,778
Wolverine Creek	W188	12,924	\$137,873	\$10.67			\$0	\$137,873
Totals		716,670	-\$10,919,985			\$0		-\$10,919,985

Cost of Renewable Energy Credits

Utility	Pacific Power & Light Co.
Compliance Year	2023

Facility Name	WREGIS ID	REC Vintage (Year)	Number of RECs	Annual Cost of Renewable Energy Credits	Cost per REC
Adams Solar Center	W7039	2023	4,354	\$6,096	1.40
Bear Creek Solar Center	W7047	2023	4,344	\$6,082	1.40
Bly Solar Center	W7046	2023	4,145	\$5,803	1.40
Elbe Solar Center	W7044	2023	4,346	\$6,084	1.40
Enterprise Solar, LLC	W4938	2023	45,209	\$85,897	1.90
Pavant Solar, LLC	W4619	2023	24,291	\$36,437	1.50
Total			86,689	\$146,399	

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

Please refer to the 2023 renewable report submitted to the Utilities and Transportation Commission.

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 2022 obligations and anticipates meeting its 2023 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 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 workpaper labeled PacifiCorp – WA RPS Resource Incremental Cost Analysis 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 recalculated incremental costs for repowering for those twelve resources in its 2021 compliance report.

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 workpaper provided with this report and labeled PacifiCorp – WA RPS Resource Incremental Cost Analysis Methodology 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 2022 and 2023.

Revenue Requirement

The revenue requirement amounts used in this Renewable Report are from the applicable general rate case, Docket UE-210532 for 2022 and Docket UE-210402 for 2023. The revenue requirement in 2022 is \$393,158,062. For 2023, WA's revenue requirement is \$407,257,687.

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 2022 and 2023.

Table 5

Calendar Year	Total Washington Allocated Resource Costs	Washington Annual Revenue Requirement	% of Washington Expected Allocated Resource Costs to Annual Revenue Requirement
2022	(\$11,725,276)	\$393,158,062	(2.98%)
2023	(\$10,773,585)	\$407,257,687	(2.65%)

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 140,000 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.² 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 used the West Control Area Inter-Jurisdictional Allocation Methodology (WCA) through 2020. This methodology allocated 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 reflected a CAGW share, approximately 22 percent, of generation resources located in the west control area. Accordingly, Washington customers were entitled to approximately 22 percent of RECs from these facilities. Using different inter-jurisdictional allocation methodologies for different states, however, created challenges because the sum of each state's allocated share may not equal 100 percent. To address this issue, PacifiCorp first allocated each state its share of RECs using the state's SG factor. Using this process, Washington received approximately eight percent of RECs from resources in the west-control-area.

The west control area contained 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)

² 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.

PacifiCorp addressed 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.³ This means that the actual RECs used to fulfill Washington’s CAGW share may have included RECs from resources located in any of PacifiCorp’s jurisdictions or include REC purchases, but the total RECs were 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 were reflected in Washington customers’ rates.⁴ This treatment ensured that Washington customers received 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

Beginning January 1, 2021, Washington transitioned to a new cost allocation protocol – the Washington Inter-Jurisdictional 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.

Table 6 summarizes how PacifiCorp plans to supply Washington with its share of renewable generation in 2023.

³ RCW 19.285.030(12)(e)

⁴ On February 9, 2017, in Docket No. 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 No. UE-190929).

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

COMPLIANCE RECs	
Target	628,503
2023 Vintage (System Renewables)	716,670
2023 Vintage Multistate REC RFP Purchases	86,689
2024 Vintage (System Renewables)	0
2024 Vintage Multistate REC RFP Purchases	0
	803,359

*see Attachment C, “(2)(a)(ii)Annual-2023, 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 2022 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 2022 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 workpaper labeled WREGIS Certificates for Washington Compliance for 2022.

The company did not rely on any alternative compliance mechanisms to meet its renewable resource targets for 2022.

Current Year Progress

PacifiCorp plans to meet its Washington 2023 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 2023.

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

Attachment A
Washington Utilities and Transportation
Commission RPS Report Tool

WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

PacifiCorp

Renewable Report

RPS Reporting Tool

June 1, 2023

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, 2023

RCW 19.285 Compliance Need

Delivered Load to Retail Customers (MWh)
WA State RCW 19.285 Requirement
Quantity Required for Compliance

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	4,198,961	4,181,079	4,132,188
WA State RCW 19.285 Requirement		0%	3%	3%	3%	3%	9%	9%	9%	9%	15%	15%	15%	15%
Quantity Required for Compliance		0	119,857	120,716	122,019	123,155	370,166	364,047	369,133	367,669	607,028	615,731	619,808	628,503

Eligible Quantity Acquired

Qualifying MWh Allocated to WA
Quantity from Non REC Eligible Generation
Total Quantity Available for RCW 19.285 Compliance

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Qualifying MWh Allocated to WA		104,826	107,711	107,158	114,902	271,108	373,982	285,492	293,213	198,797	560,182	777,200	795,718	803,359
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	560,182	777,200	795,718	803,359

Sales and Transfers

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

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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
2022 Surplus Applied to 2021
2022 Surplus Applied to 2023
2023 Surplus Applied to 2022
2023 Surplus Applied to 2024
Net Surplus Adjustments

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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												(15,051)	15,051	
2022 Surplus Applied to 2021												-	-	
2022 Surplus Applied to 2023													-	
2023 Surplus Applied to 2022														-
2023 Surplus Applied to 2024														
Net Surplus Adjustments		(104,826)	12,147	13,558	7,117	(147,953)	(3,816)	78,555	75,920	168,871	46,845	(161,469)	15,051	-

Adjustment for Events Beyond Control

		-	-	-	-	-	-	-	-	-	-	-	-	-
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RCW 19.285 Compliance Surplus / (Deficit)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
RCW 19.285 Compliance Surplus / (Deficit)		0	1	(0)	0	(0)	(0)	1	0	(1)	(1)	1	190,961	174,856

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 46 (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 - 2022 actual retail sales. 2023 load forecast based on filed 2023 IRP.

Facility Generation:

2011 - 2022 is based on actual generation or REC purchase data. Generation forecast begins January 2023.

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 - 2022 actual System Generation (SG) and Control Area Generation West (CAGW) allocation factors. Forecast factors (2023 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	8-Dec-20
Cedar Springs Wind III	W10972	Wind	Not Eligible	Not Eligible	11-Dec-20
Condon Wind Power Project - Condon Wind P	W774	Wind	Not Eligible	Not Eligible	31-Dec-01
Condon Wind Power Project - Condon Phase I	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	30-Dec-20
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
Foot 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 Or	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	W3186	Wind	Not Eligible	Not Eligible	22-Dec-12
Meadow Creek Wind Farm - North Point Wind	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 Phas	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	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	W12023	Wind	Not Eligible	Not Eligible	31-Dec-20
TB Flats Wind II	W12157	Wind	Not Eligible	Not Eligible	31-Jan-21
*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:

Bennett Creek Wind Farm - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Bennett Creek Wind Farm -	12,259				8,656	11,174	9,667	3,216					
Percent of MWh Qualifying Under RCW 19.285	100%				100%	100%	100%	100%					
Percent of Qualifying MWh Allocated to WA	100%				100%	100%	100%	100%					
Eligible MWh Available for RCW 19.285 Compliance	12,259	-	-	-	8,656	11,174	9,667	3,216	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
2011 Surplus Applied to 2012	12,259	12,259											
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						8,656	8,656						
2016 Surplus Applied to 2015								-					
2016 Surplus Applied to 2017							11,174	11,174					
2017 Surplus Applied to 2016									-				
2017 Surplus Applied to 2018								9,667	9,667				
2018 Surplus Applied to 2017										-			
2018 Surplus Applied to 2019											3,216	3,216	
Net Surplus Adjustments	(12,259)	12,259	-	-	(8,656)	(2,518)	1,507	6,451	3,216				

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	12,259	-	-	-	8,656	11,174	9,667	3,216	-	-	-	-
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Facility Name:

Bigfork

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Bigfork
 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	2022	2023
										1,198	1,112	849
										100%	100%	100%
										8%	8%	8%
										95	87	67

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023

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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	0											
0												
	0	0										
	0											
		0	0									
			0	0								
				0	0							
					0	0						
						0	0					
							0	0				
								0	0			
									0	0		
										0	0	
											0	0
												0
							0	0	0			
										0	0	
											0	0
												0
							0	0	0			

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	-	95	87	67
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Facility Name:

Blundell II

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Blundell 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	2022	2023
										65,905	82,827	85,058
										100%	100%	100%
										8%	8%	8%
										5,252	6,522	6,669

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023

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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	0											
0												
	0	0										
	0											
		0	0									
			0	0								
				0	0							
					0	0						
						0	0					
							0	0				
								0	0			
									0	0		
										0	0	
											0	0
												0
							0	0	0			
										0	0	
											0	0
												0
							0	0	0			

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	-	5,252	6,522	6,669
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Facility Name:

Campbell Hill/Three Buttes

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Campbell Hill/Three Buttes					294,027	333,872	311,597	309,188	146,872	342,882	301,476	317,723	333,579
Percent of MWh Qualifying Under RCW 19.285					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%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	23,680	27,276	25,187	24,567	11,269	27,866	24,026	25,017	26,155

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
2011 Surplus Applied to 2012		0											
2012 Surplus Applied to 2011	0												
2012 Surplus Applied to 2013		0	0										
2013 Surplus Applied to 2012		0											
2013 Surplus Applied to 2014			0	0									
2014 Surplus Applied to 2013			0										
2014 Surplus Applied to 2015				0	0								
2015 Surplus Applied to 2014				0									
2015 Surplus Applied to 2016					23680	23680							
2016 Surplus Applied to 2015					0								
2016 Surplus Applied to 2017						0	0						
2017 Surplus Applied to 2016							25187	25187					
2017 Surplus Applied to 2018								0	0				
2018 Surplus Applied to 2017													
2018 Surplus Applied to 2019													
2019 Surplus Applied to 2018													
2019 Surplus Applied to 2020										0			
2020 Surplus Applied to 2019													
2020 Surplus Applied to 2021											0		
2021 Surplus Applied to 2020										20000	20000		
2021 Surplus Applied to 2022													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	(23,680)	23,680	(25,187)	25187	0	20000	(20,000)	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	50,956	-	49,754	11,269	47,866	4,026	25,017	26,155
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Facility Name:

Cedar Springs Wind I

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Cedar Springs 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

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
						-				762,074	821,086	771,241
										100%	100%	100%
										8%	8%	8%
										60,735	64,651	60,471

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023

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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	-											
-												
	-	-										
		-	-									
			-	-								
				-	-							
					-	-						
						-	-					
							-	-				
								-	-			
									-	-		
										-	-	
											-	-
												-
									20,000	20,000		
											-	
												-
									20,000	(20,000)		

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	-	20,000	40,735	64,651	60,471
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Facility Name:

Cedar Springs Wind II

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Cedar Springs 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	2022	2023
						-				670,071	603,521	736,604
										100%	100%	100%
										8%	8%	8%
										53,403	47,520	57,755

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023

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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	-											
-												
	-	-										
		-	-									
			-	-								
				-	-							
					-	-						
						-	-					
							-	-				
								-	-			
									-	-		
										-	-	
											-	-
												-
									20,000	20,000		
											-	-
												-
												-
												-
									20,000	(20,000)		

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	-	20,000	33,403	47,520	57,755
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Facility Name:

Condon Wind Power Project - Condon Wind Power Project - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Condon Wind Power Project - Condon Wind Power Project - REC Only						8,286							
Percent of MWh Qualifying Under RCW 19.285						100%	100%						
Percent of Qualifying MWh Allocated to WA						100%							
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	8,286	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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										-			
Project - R Net Surplus Adjustments	-	-	-	-	-	(8,286)	8,286	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	8,286	-	-	-	-	-	-
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Facility Name:

Condon Wind Power Project - Condon Phase II - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Condon Wind Power Project - Condon Phase II - REC Only						7,725							
Percent of MWh Qualifying Under RCW 19.285						100%	100%						
Percent of Qualifying MWh Allocated to WA						100%							
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	7,725	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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	-	-	-	-	-	(7,725)	7,725	-	-	-	-	-	-

C Only

Adjustment for Events Beyond Control													
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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	7,725	-	-	-	-	-	-
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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	2022	2023
Total MWh Produced / Purchased from Dunlap I					339,706	388,498	351,261	391,874	182,469	416,943	435,043	469,881	412,517
Percent of MWh Qualifying Under RCW 19.285					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%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	27,359	31,741	25,412	31,135	14,000	33,884	34,671	36,998	32,344

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	2022	2023
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	2022	2023
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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	27,359							
2016 Surplus Applied to 2015						-							
2016 Surplus Applied to 2017							-						
2017 Surplus Applied to 2016								-					
2017 Surplus Applied to 2018								24,513	24,513				
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													-
2022 Surplus Applied to 2021													-
2022 Surplus Applied to 2023													-
2023 Surplus Applied to 2022													-
2023 Surplus Applied to 2024													-
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	34,671	36,998	32,344
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Facility Name:

Elkhorn Valley Wind - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Elkhorn Valley Wind - REC Only					4,468								
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	-	-	-	-	4,468	-	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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					4,468	4,468							
2016 Surplus Applied to 2015							-						
2016 Surplus Applied to 2017								-					
2017 Surplus Applied to 2016									-				
2017 Surplus Applied to 2018										-			
Net Surplus Adjustments	-	-	-	-	(4,468)	4,468	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	4,468	-	-	-	-	-	-	-
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Facility Name:

Fighting Creek - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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	2022	2023
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							
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

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	730	-	-	-	-	-	-	-
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Facility Name:

Goodnoe Hills

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Goodnoe Hills	239,431	221,156	227,258	216,762	186,746	223,899	191,917	230,513	57,616	326,836	296,244	265,804	237,257
Percent of MWh Qualifying Under RCW 19.285	100%	100%	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%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	18,896	17,608	17,896	17,392	15,039	18,292	15,514	18,315	4,421	26,562	23,609	20,928	18,603

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
2011 Surplus Applied to 2012	18,896	18,896											
2012 Surplus Applied to 2011	-												
2012 Surplus Applied to 2013		17,608	17,608										
2013 Surplus Applied to 2012		-											
2013 Surplus Applied to 2014			17,896	17,896									
2014 Surplus Applied to 2013			-										
2014 Surplus Applied to 2015				11,234	11,234								
2015 Surplus Applied to 2014				-									
2015 Surplus Applied to 2016					5,383	5,383							
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	(18,896)	1,288	(288)	6,662	5,851	5,383	-	-	-	10,000	(10,000)	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	18,896	17,608	24,054	20,890	23,675	15,514	18,315	4,421	36,562	13,609	20,928	18,603
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Facility Name:

Granite Mountain East

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Granite Mountain East
 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	2022	2023
									75,000			
									100%			
									100%			
-	-	-	-	-	-	-	-	-	75,000	-	-	-

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-

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
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	-											
-												
	-	-										
		-	-									
			-	-								
				-	-							
					-	-						
						-	-					
							-	-				
								-	-			
									-	-		
										-	-	
											-	-
												-
-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	75,000	-	-	-
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Facility Name:

Granite Mountain West

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Granite Mountain West
 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	2022	2023
									75,000			
									100%			
									100%			
-	-	-	-	-	-	-	-	-	75,000	-	-	-

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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	2022	2023
-	-	-	-	-	-	-	-	-	-	-	-	-

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
 Net Surplus Adjustments

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	-											
-												
	-	-										
		-	-									
			-	-								
				-	-							
					-	-						
						-	-					
							-	-				
								-	-			
									-	-		
										-	-	
											-	-
												-
-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

-	-	-	-	-	-	-	-	-	75,000	-	-	-
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Facility Name:

Hidden Hollow - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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					12,501	12,501							
2016 Surplus Applied to 2015													
2016 Surplus Applied to 2017						3,960	3,960						
2017 Surplus Applied to 2016													
2017 Surplus Applied to 2018													
Net Surplus Adjustments	-	-	-	-	(12,501)	8,541	3,960	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	12,501	3,960	-	-	-	-	-	-
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Facility Name:

Hot Springs Wind Farm - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Hot Springs Wind Farm - REC	7,963				8,028	10,218	8,846	1,923					
Percent of MWh Qualifying Under RCW 19.285	100%				100%	100%	100%	100%					
Percent of Qualifying MWh Allocated to WA	100%				100%	100%	100%	100%					
Eligible MWh Available for RCW 19.285 Compliance	7,963	-	-	-	8,028	10,218	8,846	1,923	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
2011 Surplus Applied to 2012	7,963	7,963											
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					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									1,923	1,923			
2018 Surplus Applied to 2019													
Net Surplus Adjustments	(7,963)	7,963	-	-	(8,028)	(2,190)	1,372	6,923	1,923	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	7,963	-	-	-	8,028	10,218	8,846	1,923	-	-	-	-
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Facility Name:

JC Boyle (Upgrade 2005)

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2,053	2,089	1,176
Percent of MWh Qualifying Under RCW 19.285		100%	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%	8.0%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	276	189	184	172	235	342	205	234	192	164	164	92

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	276	189	184	172	235	342	205	234	192	164	164	92
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Facility Name:

Klondike I - Klondike Wind Power LLC - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Klondike I - Klondike Wind Power LLC - REC Only						8,543							
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	-	-	-	-	-	8,543	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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	-	-	-	-	-	(8,543)	8,543	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	8,543	-	-	-	-	-	-
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Facility Name:

Leaning Juniper

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	293,641	253,408	278,136
Percent of MWh Qualifying Under RCW 19.285	100%	100%	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%	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	23,402	19,953	21,808

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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												-	
2022 Surplus Applied to 2021													-
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	(18,530)	3,330	(1,035)	(1,035)	2,083	15,187	-	-	-	10,000	(10,000)	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	18,530	15,200	16,235	17,270	31,739	12,585	16,022	12,827	35,709	13,402	19,953	21,808
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Facility Name:

Lemolo 1 (Upgrade 2003)

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	8,459	10,573	11,949
Percent of MWh Qualifying Under RCW 19.285		100%	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%	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	675	832	937

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	1,355	997	1,148	1,011	1,113	1,438	1,007	893	685	675	832	937
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Facility Name:

Lemolo 2 (Upgrage 2009)

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Lemolo 2 (Upgrage 2009)		1,781	1,290	1,355	1,066	1,144	1,567	1,038	1,130	747	790	847	1,256
Percent of MWh Qualifying Under RCW 19.285		100%	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%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	142	102	109	86	95	127	84	87	61	62	67	98

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments													

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

		142	102	109	86	95	127	84	87	61	62	67	98
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Facility Name:

Lower Snake – Phalen Gulch - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Lower Snake – Phalen Gulch - REC Only					1,300								
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	-	-	-	-	1,300	-	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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						1,300							
2016 Surplus Applied to 2015							1,300						
2016 Surplus Applied to 2017													
2017 Surplus Applied to 2016													
2017 Surplus Applied to 2018													
Net Surplus Adjustments	-	-	-	-	(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	2022	2023
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	484,854	391,503	433,360
Percent of MWh Qualifying Under RCW 19.285	100%	100%	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%	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	38,642	30,827	33,979

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	2022	2023
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	2022	2023
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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	(31,837)	3,280	2,473	(3,394)	5,416	24,062	-	-	36,231	(11,231)	(25,000)	-	-

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	-	31,837	28,557	26,084	29,478	53,149	25,507	26,729	47,404	27,956	13,642	30,827	33,979
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Facility Name:

Marengo II

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	247,430	196,630	232,248
Percent of MWh Qualifying Under RCW 19.285	100%	100%	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%	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	19,720	15,483	18,210

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	(15,341)	1,204	1,962	(1,847)	2,920	11,102	-	-	-	11,418	(11,418)	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	15,341	14,137	12,175	14,022	25,020	12,396	13,065	7,010	28,621	8,302	15,483	18,210
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Facility Name:

Meadow Creek Wind Farm - Five Pine Project - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Meadow Creek Wind Farm - Five Pine Project - REC Only						29,719							
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	-	-	-	-	-	29,719	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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	-	-	-	-	-	(29,719)	29,719	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	29,719	-	-	-	-	-	-
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Facility Name:

Meadow Creek Wind Farm - North Point Wind Farm - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Meadow Creek Wind Farm - North Point Wind Farm - REC Only						2,644							
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	-	-	-	-	-	2,644	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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										-			
n - REC Onl													
Net Surplus Adjustments	-	-	-	-	-	(2,644)	2,644	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	2,644	-	-	-	-	-	-
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Facility Name:

Nine Canyon Wind Project - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Nine Canyon Wind Project - REC Only					2,500	8,225							
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	-	-	-	-	2,500	8,225	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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						2,500							
2016 Surplus Applied to 2015													
2016 Surplus Applied to 2017													
2017 Surplus Applied to 2016													
2017 Surplus Applied to 2018													
Net Surplus Adjustments	-	-	-	-	(2,500)	(5,725)	8,225	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	2,500	8,225	-	-	-	-	-	-
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Facility Name:

Nine Canyon Wind Project - Nine Canyon Phase 3 - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Nine Canyon Wind Project - Nine Canyon Phase 3 - REC Only						4,668							
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	-	-	-	-	-	4,668	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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						4,668	4,668						
2017 Surplus Applied to 2016							-						
2017 Surplus Applied to 2018								-					
Net Surplus Adjustments	-	-	-	-	-	(4,668)	4,668	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	4,668	-	-	-	-	-	-
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Facility Name:

Prospect 2 (Upgrade 1999)

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2,573	2,714	1,592
Percent of MWh Qualifying Under RCW 19.285		100%	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%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	328	293	278	226	329	346	266	247	239	205	214	125

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	328	293	278	226	329	346	266	247	239	205	214	125
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Facility Name:

Rolling Hills

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Rolling Hills
 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	2022	2023
Total MWh Produced / Purchased from Rolling Hills					5,468					363,208	296,559	286,356	314,505
Percent of MWh Qualifying Under RCW 19.285					100%					100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA					8%					8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	5,468	-	-	-	-	29,517	23,635	22,548	24,660

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	2022	2023
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	2022	2023
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
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 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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	(5,468)	5,468	-	-	-	-	-	-	-

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	-	-	-	-	-	5,468	-	-	-	29,517	23,635	22,548	24,660
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Facility Name:

Seven Mile Hill I

MWh Allocated to WA Compliance

Total MWh Produced / Purchased from Seven Mile Hill 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	2022	2023
Total MWh Produced / Purchased from Seven Mile Hill I						4,353	-	348,285	175,949	427,856	396,393	413,081	399,749
Percent of MWh Qualifying Under RCW 19.285						100%	100%	100%	100%	100%	100%	100%	100%
Percent of Qualifying MWh Allocated to WA						8%	8%	8%	8%	8%	8%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	-	4,353	-	11,844	13,500	34,771	31,592	32,525	31,343

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	2022	2023
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	2022	2023
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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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						4,353							
2017 Surplus Applied to 2016							4,353						
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	-	(4,353)	4,353	-	-	-	-	-	-

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	-	-	-	-	-	-	4,353	11,844	13,500	34,771	31,592	32,525	31,343
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Facility Name:

Stateline (WA) - FPL Energy Vansycle LLC - REC Only

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Stateline (WA) - FPL Energy Vansycle LLC - REC Only						12,946							
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	-	-	-	-	-	12,946	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
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	-	-	-	-	-	(12,946)	12,946	-	-	-	-	-	-

Adjustment for Events Beyond Control													
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Contribution to RCW 19.285 Compliance

	-	-	-	-	-	-	12,946	-	-	-	-	-	-
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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

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from Top of the World					570,069	651,049	611,543	532,188	263,927	519,246	392,340	394,510	541,791
Percent of MWh Qualifying Under RCW 19.285					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%	8%	8%
Eligible MWh Available for RCW 19.285 Compliance	-	-	-	-	45,911	53,189	49,434	42,284	20,250	42,198	31,268	31,063	42,480

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	2022	2023
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	2022	2023
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
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 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
 2022 Surplus Applied to 2021
 2022 Surplus Applied to 2023
 2023 Surplus Applied to 2022
 2023 Surplus Applied to 2024
 Net Surplus Adjustments

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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					45,911	45,911							
2016 Surplus Applied to 2015						-	-						
2016 Surplus Applied to 2017						53,189	53,189						
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													
2022 Surplus Applied to 2021													
2022 Surplus Applied to 2023													
2023 Surplus Applied to 2022													
2023 Surplus Applied to 2024													
Net Surplus Adjustments	-	-	-	-	(45,911)	(7,278)	53,189	-	-	-	-	-	-

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	-	-	-	-	-	45,911	102,623	42,284	20,250	42,198	31,268	31,063	42,480
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Facility Name:

***Tuana Springs - REC Only**

MWh Allocated to WA Compliance

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total MWh Produced / Purchased from *Tuana Springs - REC Only		29,430	32,556	35,021									
Percent of MWh Qualifying Under RCW 19.285		100%	100%	100%									
Percent of Qualifying MWh Allocated to WA		100%	100%	100%									
Eligible MWh Available for RCW 19.285 Compliance	-	29,430	32,556	35,021	-	-	-	-	-	-	-	-	-

Non REC Eligible Generation

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
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	2022	2023
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	2022	2023
2011 Surplus Applied to 2012		-											
2012 Surplus Applied to 2011	-												
2012 Surplus Applied to 2013		17,177	17,177										
2013 Surplus Applied to 2012		-											
2013 Surplus Applied to 2014			6,731	6,731									
2014 Surplus Applied to 2013			-										
2014 Surplus Applied to 2015				-	-								
2015 Surplus Applied to 2014				-									
2015 Surplus Applied to 2016					-	-							
Net Surplus Adjustments	-	(17,177)	10,446	6,731	-	-							

Adjustment for Events Beyond Control

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Contribution to RCW 19.285 Compliance

	-	12,253	43,002	41,752	-	-	-	-	-	-	-	-	-
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1,063 RECs from Power County Wind Park South

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 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	-	-	-	2,819,202	-
Bly Solar	1.40	-	-	-	-	-	-	-
Campbell Hill - WIJAM (2021)	(35.51)	69.96	20,609,599	35.52	11.13	105,196	20,504,403	-
Campbell Hill - WCA (2020)	18.22	-	-	-	-	-	-	-
Cedar Springs Wind I	(32.08)	16.89	12,647,624	80.70	13.62	8,829,294	3,818,331	-
Cedar Springs Wind II	33.48	1.85	1,288,231	-	-	-	1,288,231	-
Cedar Springs Wind III	(31.82)	16.89	8,153,662	82.64	16.74	29,273,265	(21,119,602)	-
Dunlap I - WIJAM (2021)	(23.52)	49.88	20,108,704	\$0.00	\$0.00	-	20,108,704	-
Dunlap I - WCA (2020)	18.22	-	-	50.00	20.13	52,511,158.71	(52,511,159)	-
Ekola Flats Wind	(40.57)	6.39	4,902,777	\$36.39	\$18.02	37,799,677	(32,896,900)	-
Elbe Solar	1.40	-	-	33.09	15.62	23,515,342.02	(23,515,342)	-
Enterprise	1.90	-	-	57.78	13.59	28,774,506.73	(28,774,507)	-
Footo Creek I 1	-	-	-	-	-	-	-	-
Glenrock I - WIJAM (2021)	(4.58)	59.03	19,684,219	\$34.01	\$17.52	39,568,627	(19,884,408)	-
Glenrock I - WCA (2020)	18.22	-	-	-	-	-	-	-
Glenrock III	(3.85)	59.45	7,645,460	\$0.00	\$0.00	-	7,645,460	-
Goodnoe Hills	17.09	74.51	20,279,851	\$0.00	\$0.00	-	20,279,851	-
High Plains	0.42	64.92	21,864,069	\$48.75	\$14.07	20,945,850	918,219	-
JC Boyle (Upgrade 2005)	(66.44)	3.26	113,445	\$0.00	\$0.00	-	113,445	-
Latigo Wind	(36.35)	63.91	10,292,323	48.71	13.66	8,020,204	2,272,119	-
Leaning Juniper	18.28	77.53	21,752,206	\$45.94	11.49	15,628,690	6,123,516	-
Lemolo 1 (Upgrade 2003)	(45.23)	3.91	51,351	48.32	14.06	21,008,082	(20,956,731)	-
Lemolo 2 (Upgrade 2009)	(65.65)	51.48	885,532	39.00	28.09	2,336,870	(1,451,338)	-
Marengo I	14.60	75.34	31,676,043	\$93.44	\$6.83	16,145,777	15,530,266	-
Marengo II	20.50	82.25	16,532,487	49.28	11.71	17,111,301	(578,814)	-
McFadden Ridge	(8.59)	56.80	5,432,069	\$37.76	\$11.37	645,674	4,786,395	-
Mountain Wind 1	(13.30)	61.96	9,950,466	\$92.54	\$24.59	2,014,854	7,935,611	-
Mountain Wind 2	(4.46)	70.58	15,470,418	\$46.99	\$12.53	25,020,676	(9,550,258)	-
Pavant I	1.50	-	-	47.55	12.90	12,151,200	(12,151,200)	-
Pavant Solar II LLC	(61.07)	48.80	6,099,573	\$48.31	\$14.81	6,037,066	62,507	-
Pioneer Wind Park I LLC	(38.89)	63.91	18,007,725	65.86	9.40	12,085,736	5,921,989	-
Prospect 2 (Upgrade 1999)	(40.27)	4.31	39,062	65.79	9.25	16,447,372	(16,408,310)	-
Rock River I	11.72	48.51	7,052,295	\$0.00	\$0.00	-	7,052,295	-
Rolling Hills	(8.81)	55.11	16,990,626	\$95.16	\$15.01	13,771,475	3,219,151	-
Sage Solar I, LLC	(22.01)	47.54	2,106,878	95.46	7.34	28,963,702	(26,856,824)	-
Sage Solar II, LLC	(23.88)	45.67	2,024,146	34.93	10.47	411,164	1,612,982	-
Sage Solar III, LLC	(23.53)	47.51	1,749,290	33.81	3.47	5,419,860	(3,670,570)	-
Seven Mile Hill I - WIJAM (2021)	(17.13)	46.98	17,170,798	\$48.70	\$14.26	19,410,266	(2,239,469)	-
Seven Mile Hill I - WCA (2020)	18.22	-	-	27.87	33.56	2,722,784	(2,722,784)	-
Seven Mile Hill II - WIJAM (2021)	(18.13)	46.35	3,400,013	\$27.87	\$33.56	2,722,784	677,229	-
Seven Mile Hill II - WCA (2020)	18.22	-	-	27.87	34.82	2,308,186	(2,308,186)	-
Sweetwater Solar, LLC	(45.77)	44.13	7,425,410	48.48	14.05	22,852,716	(15,427,305)	-
Top of the World - WIJAM (2021)	(30.55)	69.94	41,834,485	-	-	-	41,834,485	-
Top of the World - WCA (2020)	18.22	-	-	48.68	14.93	4,666,187.70	(4,666,188)	-
TB Flats Wind I	(32.84)	18.42	18,860,759.46	-	-	-	18,860,759	-
TB Flats Wind II	(38.33)	13.30	8,415,593.10	26.88	35.81	10,548,341.19	(2,132,748)	-
Wolverine Creek	10.67	62.19	10,883,365.57	83.03	16.14	59,316,512.74	(48,433,147)	-
Total Renewable Resource Cost			178,446,620	0	0	-	2,847,269	-

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 - 2023 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	
2022 ALL RESOURCES	
TOTAL INCREMENTAL COST	
= ENERGY +	
CAPACITY	-

2022 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	6,742	4,816	0			
Bear Creek Solar	7,034	5,024	0			
Bigfork	(1,682)	87	0			
Blundell	0	14,117	0			
Blundell II	(414,423)	6,522	0			
Bly Solar	6,189	4,421	0			
Campbell Hill	(888,449)	25,017	0			
Cedar Springs Wind I	(2,073,875)	64,651	0			
Cedar Springs Wind II	1,591,183	47,520	0			
Cedar Springs Wind III	(1,423,741)	44,738	0			
Dunlap I	(870,012)	36,998	0			
Ekola Flats Wind	(3,184,081)	78,492	0			
Elbe Solar	6,857	4,898	0			
Enterprise	94,413	49,691	0			
Footo Creek I	0	16,437	0			
Glenrock I	(118,461)	25,869	0			
Glenrock III	(37,344)	9,694	0			
Goodnoe Hills	357,650	20,928	0			
High Plains	12,744	30,233	0			
JC Boyle (Upgrade 2005)	(10,896)	164	0			
Latigo Wind	0	0	0			
Leaning Juniper ¹	364,796	19,953	0			
Lemolo 1 (Upgrade 2003)	(37,631)	832	0			
Lemolo 2 (Upgrade 2009)	(4,399)	67	0			
Marengo I	450,191	30,827	0			
Marengo II	317,392	15,483	0			
McFadden Ridge	(78,255)	9,111	0			
Mountain Wind I	0	0	0			
Mountain Wind II	0	0	0			
Pavant I	33,389	22,259	0			
Pavant Solar II LLC	0	0	0			
Pioneer Wind Park I LLC	0	0	0			
Prospect 2 (Upgrade 1999)	(8,619)	214	0			
Rock River I	0	0	0			
Rolling Hills	(198,729)	22,548	0			
Sage Solar I, LLC	0	0	0			
Sage Solar II, LLC	0	0	0			
Sage Solar III, LLC	0	0	0			
Seven Mile Hill I	(557,197)	32,525	0			
Seven Mile Hill II	(123,986)	6,838	0			
Sweetwater Solar, LLC	0	0	0			
TB Flats Wind I	(2,259,771)	68,821	0			
TB Flats Wind II	(1,856,043)	48,420	0			
Top of the World	(948,848)	31,063	0			
Wolverine Creek	122,586	11,491	0			
Total	(11,725,276)	810,769	0			
WA Share	(11,725,276)	810,769	0			

Annual Revenue Requirement (most recent rate case)	393,158,062	-
CALCULATION 1 :	(11,725,276)	CALCULATION 2:
	-2.98%	

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 2021-2023 are allocated based on PacificCorp'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 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))

2023 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 resources	RECs purchased	Revenue from REC sales
Adams Solar	6,096	4,354	0	6,096	4,354	
Bear Creek Solar	6,082	4,344	0	6,082	4,344	
Bigfork	(1,296)	67	0	(1,296)	67	
Blundell	0	15,646	0	0	15,646	
Blundell II	(423,764)	6,669	0	(423,764)	6,669	
Bly Solar	5,803	4,145	0	5,803	4,145	
Campbell Hill	(928,864)	26,155	0	(928,864)	26,155	
Cedar Springs Wind I	(1,939,789)	60,471	0	(1,939,789)	60,471	
Cedar Springs Wind II	1,933,897	57,755	0	1,933,897	57,755	
Cedar Springs Wind III	(1,276,842)	40,122	0	(1,276,842)	40,122	
Dunlap I	(760,572)	32,344	0	(760,572)	32,344	
Ekola Flats Wind	(2,561,317)	63,140	0	(2,561,317)	63,140	
Elbe Solar	6,084	4,346	0	6,084	4,346	
Enterprise	85,897	45,209	0	85,897	45,209	
Footo Creek I	0	11,509	0	0	11,509	
Glenrock I	(123,251)	26,915	0	(123,251)	26,915	
Glenrock III	(38,827)	10,079	0	(38,827)	10,079	
Goodnoe Hills	317,917	18,603	0	317,917	18,603	
High Plains	11,060	26,238	0	11,060	26,238	
JC Boyle (Upgrade 2005)	(6,112)	92	0	(6,112)	92	
Latigo Wind	0	0	0	0	0	
Leaning Juniper	398,711	21,808	0	398,711	21,808	
Lemolo 1 (Upgrade 2003)	(42,381)	937	0	(42,381)	937	
Lemolo 2 (Upgrade 2009)	(6,434)	98	0	(6,434)	98	
Marengo I	496,222	33,979	0	496,222	33,979	
Marengo II	373,293	18,210	0	373,293	18,210	
McFadden Ridge	(69,735)	8,119	0	(69,735)	8,119	
Mountain Wind I	0	0	0	0	0	
Mountain Wind II	0	0	0	0	0	
Pavant I	36,437	24,291	0	36,437	24,291	
Pavant Solar II LLC	0	0	0	0	0	
Pioneer Wind Park I LLC	0	0	0	0	0	
Prospect 2 (Upgrade 1999)	(5,034)	125	0	(5,034)	125	
Rock River I	0	0	0	0	0	
Rolling Hills	(217,344)	24,660	0	(217,344)	24,660	
Sage Solar I, LLC	0	0	0	0	0	
Sage Solar II, LLC	0	0	0	0	0	
Sage Solar III, LLC	0	0	0	0	0	
Seven Mile Hill I	(536,948)	31,343	0	(536,948)	31,343	
Seven Mile Hill II	(115,827)	6,388	0	(115,827)	6,388	
Sweetwater Solar, LLC	0	0	0	0	0	
TB Flats Wind I	(2,120,253)	64,572	0	(2,120,253)	64,572	
TB Flats Wind II	(2,116,778)	55,222	0	(2,116,778)	55,222	
Top of the World	(1,297,590)	42,480	0	(1,297,590)	42,480	
Wolverine Creek	137,873	12,924	0	137,873	12,924	
Total	(10,773,585)	803,359	0	(10,773,585)	803,359	0
WA Share	(10,773,585)	803,359	0	(10,773,585)	803,359	0
Annual Revenue Requirement (most recent rate case)			407,257,687		407,257,687	
CALCULATION 1 :			(10,773,585)	CALCULATION 2:	(10,773,585)	
			-2.65%		-2.65%	

(iii)(A) & (B) Annual Reporting Summary Data: 2022 and 2023

2022

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	6,742	4,816	1.40	4,816	6,742
Bear Creek Solar	7,034	5,024	1.40	5,024	7,034
Bigfork	(1,682)	87	(19.34)	87	(1,682)
Blundell	0	14,117	0.00	14,117	0
Blundell II	(414,423)	6,522	(63.54)	6,522	(414,423)
Bly Solar	6,189	4,421	1.40	4,421	6,189
Campbell Hill	(888,449)	25,017	(35.51)	25,017	(888,449)
Cedar Springs Wind I	(2,073,875)	64,651	(32.08)	64,651	(2,073,875)
Cedar Springs Wind II	1,591,183	47,520	33.48	47,520	1,591,183
Cedar Springs Wind III	(1,423,741)	44,738	(31.82)	44,738	(1,423,741)
Dunlap I	(870,012)	36,998	(23.52)	36,998	(870,012)
Ekola Flats Wind	(3,184,081)	78,492	(40.57)	78,492	(3,184,081)
Elbe Solar	6,857	4,898	1.40	4,898	6,857
Enterprise	94,413	49,691	1.90	49,691	94,413
Foot Creek I	0	16,437	0.00	16,437	0
Glenrock I	(118,461)	25,869	(4.58)	25,869	(118,461)
Glenrock III	(37,344)	9,694	(3.85)	9,694	(37,344)
Goodnoe Hills	357,650	20,928	17.09	20,928	357,650
High Plains	12,744	30,233	0.42	30,233	12,744
JC Boyle (Upgrade 2005)	(10,896)	164	(66.44)	164	(10,896)
Latigo Wind	0	0	(36.35)	0	0
Leaning Juniper 1	364,796	19,953	18.28	19,953	364,796
Lemolo 1 (Upgrade 2003)	(37,631)	832	(45.23)	832	(37,631)
Lemolo 2 (Upgrade 2009)	(4,399)	67	(65.65)	67	(4,399)
Marengo I	450,191	30,827	14.60	30,827	450,191
Marengo II	317,392	15,483	20.50	15,483	317,392
McFadden Ridge	(78,255)	9,111	(8.59)	9,111	(78,255)
Mountain Wind I	0	0	(13.30)	0	0
Mountain Wind II	0	0	(4.46)	0	0
Pavant I	33,389	22,259	1.50	22,259	33,389
Pavant Solar II LLC	0	0	(61.07)	0	0
Pioneer Wind Park I LLC	0	0	(38.89)	0	0
Prospect 2 (Upgrade 1999)	(8,619)	214	(40.27)	214	(8,619)
Rock River I	0	0	11.72	0	0
Rolling Hills	(198,729)	22,548	(8.81)	22,548	(198,729)
Sage Solar I, LLC	0	0	(22.01)	0	0
Sage Solar II, LLC	0	0	(23.88)	0	0
Sage Solar III, LLC	0	0	(23.53)	0	0
Seven Mile Hill I	(557,197)	32,525	(17.13)	32,525	(557,197)
Seven Mile Hill II	(123,986)	6,838	(18.13)	6,838	(123,986)
Sweetwater Solar, LLC	0	0	(45.77)	0	0
TB Flats Wind I	(2,259,771)	68,821	(32.84)	68,821	(2,259,771)
TB Flats Wind II	(1,856,043)	48,420	(38.33)	48,420	(1,856,043)
Top of the World	(948,848)	31,063	(30.55)	31,063	(948,848)
Wolverine Creek	122,586	11,491	10.67	11,491	122,586
TOTAL	(5,928,058)	810,769		0	0

2023

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	6,096	4,354	1.40	4,354	6,096
Bear Creek Solar	6,082	4,344	1.40	4,344	6,082
Bigfork	(1,296)	67	(19.34)	67	(1,296)
Blundell	0	15,646	0.00	15,646	0
Blundell II	(423,764)	6,669	(63.54)	6,669	(423,764)
Bly Solar	5,803	4,145	1.40	4,145	5,803
Campbell Hill	(928,864)	26,155	(35.51)	26,155	(928,864)
Cedar Springs Wind I	(1,939,789)	60,471	(32.08)	60,471	(1,939,789)
Cedar Springs Wind II	1,933,897	57,755	33.48	57,755	1,933,897
Cedar Springs Wind III	(1,276,842)	40,122	(31.82)	40,122	(1,276,842)
Dunlap I	(760,572)	32,344	(23.52)	32,344	(760,572)
Ekola Flats Wind	(2,561,317)	63,140	(40.57)	63,140	(2,561,317)
Elbe Solar	6,084	4,346	1.40	4,346	6,084
Enterprise	85,897	45,209	1.90	45,209	85,897
Foote Creek I	0	11,509	0.00	11,509	0
Glenrock I	(123,251)	26,915	(4.58)	26,915	(123,251)
Glenrock III	(38,827)	10,079	(3.85)	10,079	(38,827)
Goodnoe Hills	317,917	18,603	17.09	18,603	317,917
High Plains	11,060	26,238	0.42	26,238	11,060
JC Boyle (Upgrade 2005)	(6,112)	92	(66.44)	92	(6,112)
Latigo Wind	0	0	(36.35)	0	0
Leaning Juniper 1	398,711	21,808	18.28	21,808	398,711
Lemolo 1 (Upgrade 2003)	(42,381)	937	(45.23)	937	(42,381)
Lemolo 2 (Upgrade 2009)	(6,434)	98	(65.65)	98	(6,434)
Marengo I	496,222	33,979	14.60	33,979	496,222
Marengo II	373,293	18,210	20.50	18,210	373,293
McFadden Ridge	(69,735)	8,119	(8.59)	8,119	(69,735)
Mountain Wind I	0	0	(13.30)	0	0
Mountain Wind II	0	0	(4.46)	0	0
Pavant I	36,437	24,291	1.50	24,291	36,437
Pavant Solar II LLC	0	0	(61.07)	0	0
Pioneer Wind Park I LLC	0	0	(38.89)	0	0
Prospect 2 (Upgrade 1999)	(5,034)	125	(40.27)	125	(5,034)
Rock River I	0	0	11.72	0	0
Rolling Hills	(217,344)	24,660	(8.81)	24,660	(217,344)
Sage Solar I, LLC	0	0	(22.01)	0	0
Sage Solar II, LLC	0	0	(23.88)	0	0
Sage Solar III, LLC	0	0	(23.53)	0	0
Seven Mile Hill I	(536,948)	31,343	(17.13)	31,343	(536,948)
Seven Mile Hill II	(115,827)	6,388	(18.13)	6,388	(115,827)
Sweetwater Solar, LLC	0	0	(45.77)	0	0
TB Flats Wind I	(2,120,253)	64,572	(32.84)	64,572	(2,120,253)
TB Flats Wind II	(2,116,778)	55,222	(38.33)	55,222	(2,116,778)
Top of the World	(1,297,590)	42,480	(30.55)	42,480	(1,297,590)
Wolverine Creek	137,873	12,924	10.67	12,924	137,873
TOTAL	(10,773,585)	803,359		803,359	(10,773,585)