

November 8, 2019

VIA ELECTRONIC FILING

Public Utility Commission of Oregon
201 High Street SE, Suite 100
Salem, OR 97301-3398

RE: UE 356—2020 Transition Adjustment Mechanism – Net Power Cost Indicative Update for 2020

PacifiCorp d/b/a Pacific Power encloses for filing the updated 2020 net power cost forecast for posting indicative transition adjustments. This filing is based on Order No. 19-351, approving a stipulation between PacifiCorp, Public Utility Commission of Oregon staff, the Alliance of Western Energy Consumers, Oregon Citizens' Utility Board and Calpine Energy Solutions, directing the company to update its Transition Adjustment Mechanism (TAM) application to reflect the provisions of the stipulation, subject to a final update.¹

This filing indicates a 2020 net power cost forecast of \$1,442 million on a total company basis. Based on this indicative forecast, Oregon-allocated net power costs are \$369.8 million. This is a decrease of approximately \$4.1 million (Oregon-allocated) from the July Update settlement. The overall impact of the 2020 TAM inclusive of net power costs and changes in load is a decrease of \$24.1 million from amounts already included in rates. In support of this filing, the following exhibits are attached:

- Exhibit A – Summary of updates since the July Update filing and impacts on net power costs.
- Exhibit B – Description of updates to net power costs and other TAM filing elements.
- Exhibit C – Attestation of Kelcey Brown, in accordance with paragraph 13 of the Stipulation adopted by Order No. 10-363 (docket UE 216) and paragraph 15 of the Stipulation adopted by Order No. 14-331 (docket UE 287).
- Exhibit D – Updated Oregon allocation of net power costs.
- Exhibit E – Copy of the indicative transition adjustments and Schedule 201 rates posted on the company's website on November 8, 2019.
- Exhibit F – Information required in accordance with Order No. 19-351 on in-service dates and stipulated benefits of new wind projects and an explanation of the cost savings shown for the 2020 repowering and new wind projects.

¹ *In the Matter of PacifiCorp, dba Pacific Power, 2020 Transition Adjustment Mechanism, Docket No. UE 356, Order No. 19-351 (Oct. 30, 2019).*

Public Utility Commission of Oregon


November 8, 2019

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The company has provided the net power cost GRID project, report, and workpapers supporting this filing, as required by the TAM Guidelines. The confidential material is provided subject to the protective order issued in this proceeding.

Please direct questions about this filing to Cathie Allen at (503) 813-5934.

Sincerely,

A handwritten signature in black ink, appearing to read 'Etta Lockey', with a long horizontal flourish extending to the right.

Etta Lockey
Vice President, Regulation

Exhibit A

Oregon TAM 2020 (April 2019 Initial Filing)	NPC (\$) =	1,479,821,158
	\$/MWh =	24.77

Oregon TAM 2020 (July 2019 Update Filing)	NPC (\$) =	1,476,367,261
	\$/MWh =	24.71

	Impact (\$) Oregon Allocated Basis	NPC (\$) Total Company
Settlement Adjustment		
S01 - 300 MW Link Jim Bridger -to-Walla Walla	(379,921)	
S02 - EIM Inter-regional benefits	(4,417,695)	
Total Changes =	(4,797,616)	
Oregon TAM 2020 (July 2019 Filing with Settlement)	NPC (\$) =	1,457,833,000
	\$/MWh =	24.40

Oregon TAM 2020 (Settlement with Repower Benefits)	NPC (\$) =	1,456,979,108
	\$/MWh =	24.39

Glenrock III Repower	(92,244)
Foote Creek I and Dunlap Repower	(177,403)

Oregon TAM 2020 (Settlement with EV2020 Benefits)	NPC (\$) =	1,441,577,003
	\$/MWh =	24.13

	Impact (\$) Total Company Basis	NPC (\$) Total Company
Correction		
C01 - Leaning Juniper revenue	(24,994)	
Updates		
U01 - Grant Meaningful Update	(3,558,617)	
U02 - QF Contracts Update	(909,386)	
U03 - Long Term Contracts Update	(2,350,012)	
U04 - Gas Pipeline Update	(507,983)	
U05 - Wheeling Expense Update	(1,319,910)	
U06 - Mid Columbia Contracts Update	807,291	
U07 - Official Forward Price Curve and Short Term Firm Transactions	(13,401,728)	
Total Updates =	(21,265,338)	
System balancing impact of all adjustments	5,816,251	
Total Change from July 2019 Update Filing with Settlement	(15,449,087)	
Oregon TAM 2020 (November 2019 Indicative Filing)	NPC (\$) =	1,442,383,912
	\$/MWh =	19.57

Exhibit B

Exhibit B

**November 2019
Oregon Transition Adjustment Mechanism (TAM) Indicative Update
Update Explanations**

Correction to Net Power Costs (NPC):

Correction 1 – Leaning Juniper Repower

- The Leaning Juniper wind plant repower capacity factor was not considered in the calculation of the Leaning Juniper energy loss revenue payment. This correction decreases NPC by approximately \$25,000 on a total company basis.

Updates to NPC:

Update 1 – Grant Meaningful Priority Contract

PacifiCorp entered into a contract with Grant County Public Utility District (PUD) for the Grant Meaningful Priority effective 1/1/2020 through 12/31/2020. The result of this contract decreases the total company NPC by approximately \$3.6 million.

Supporting document: U01 – Grant Meaningful Priority 2019 11 CONF

Update 2 – Qualifying Facility (QF) Contract

PacifiCorp has incorporated the following QF contract changes:

- Based on status updates provided by the developer, OR Solar 2 expected online date has been postponed:

	November Update	July Update
OR Solar 2	3/1/2020	12/1/2019

- Terminated existing contracts based on contract status of Ballard Hog Farm and Foote Creek II.
These updates decrease NPC by approximately \$0.9 million on a total company basis.

Note: The online date shown in the November Update column in the table above does not reflect the contract delay rate (CDR) required in Order No. 17-444. Instead, the CDR is reflected in the Generation and Regulation Initiative Decision Tools (GRID) study for the system balancing impacts of all adjustments

Update 3 – Long Term Contracts (LTC)

PacifiCorp has incorporated the following LTC changes:

- Idaho Falls provided the Gem State written operating budget on August 8th, 2019 for the fiscal year beginning October 1, 2019. *Supporting Document: NovU03 - Idaho Falls 8-8-2019 Gem State Budget.*
- Based on status updates provided by the developer, several expected online dates have been updated:

Exhibit B

	November Update	July Update
Douglas County Forest Products	Term: 7/31/2021	Term: 7/31/2020
Foote Creek III Wind	Term: 7/31/2019	Term: 7/31/2021
Cove Mountain Solar	COD: 11/1/2020	COD: 12/31/2020
Cove Mountain Solar II	COD: 6/30/2020	COD: 10/31/2020

These updates decrease NPC by approximately \$2.4 million on a total company basis.

Update 4 – Gas Pipeline

- Clay Basin Gas Storage was extended through 2020. Two Hermiston gas pipeline transmission contracts were terminated for 2020. This update decreased NPC by approximately \$0.5 million on a total company basis. *Supporting Document: NovU04 ORTAM20w_Pipeline & Storage Fees (1903) CONF.*

Update 5 – Wheeling Expense

- Idaho Power Company, Western Area Power Administration, Tri-State Generation and Transmission Association, and Public Service Company of Colorado have released updated tariff rates effective during 2020.

November Wheeling Update	PTP rate Nov Update (\$/KW-yr)	PTP Rate July Update (\$/KW-yr)	Test Period Cost Nov Update (\$)	Test Period Cost July Update (\$)	Change (\$)
1). IDAHO FIRM PTP TRANS	27.32	31.25	13,933,200	15,937,500	(2,004,300)
2). WAPA 2437 ANCIL SERV	0.287	0.308	114,436	135,522	(21,086)
3). WAPA 2437 NTKW TRANS	Based on Fiscal Year Annual Payment		6,891,092	5,945,350	945,742
4). TRI-STATE FIRM WHEEL	Based on Fiscal Year Monthly Payment		1,089,324	1,148,832	(59,508)
5). PSCO FIRM WHEEL	Based on Fiscal Year Monthly Payment		1,089,324	1,148,832	(59,508)
6). WAPA FIRM TRANS	18.58	19.55	2,322,500	2,443,750	(121,250)

These updates decrease NPC by approximately \$1.3 million on a total company basis.

Update 6 – Mid Columbia Contracts Update, Grant County PUD Priest Rapids

- Grant PUD provided its preliminary estimate for the 2020 Priest Rapids project cost. This update increases NPC by approximately \$0.8 million on a total company basis.

Update 7 – October 30, 2019 Official Forward Price Curve and October 31, 2019 Short-Term Firm Transactions

- This update incorporates PacifiCorp's official forward price curves as of October 30, 2019, and new wholesale short-term firm transactions for electricity and natural gas, both physical and financial transactions, through October 31, 2019. The impact of this update decreases NPC by approximately \$13.4 million on a total company basis.

System balancing impact of all adjustments

This update recalculates NPC based on the inclusion of the correction and Updates 1 through 7, including the screening of gas-fired units and adjustment of incremental coal prices. The combined impact of all updates decreases NPC by approximately \$15.4 million on a total company basis.

Exhibit B

Oregon Situs Solar Projects

This update incorporates PacifiCorp's official forward price curve as of October 30, 2019. The impact of this update increases NPC by approximately \$73,000 on an Oregon situs basis.

Exhibit C

**BEFORE THE PUBLIC UTILITY COMMISSION
OF OREGON**

UE 356

In the Matter of
PACIFICORP d/b/a PACIFIC POWER,
2020 Transition Adjustment Mechanism.

ATTESTATION OF
KELCEY A. BROWN

- 1 I, KELCEY A. BROWN, being first duly sworn on oath, depose and say:
- 2 1. My full name is Kelcey A. Brown. I am employed by PacifiCorp. My present
3 position is Vice President, Energy Supply Management, for PacifiCorp.
- 4 2. I am making this attestation in compliance with Paragraph 13 of the
5 stipulation adopted by the Public Utility Commission of Oregon in Order
6 No. 10-363 in docket UE 216 on September 16, 2010, Paragraph 15 of the
7 stipulation adopted by the Commission in Order No. 14-331 on October 1,
8 2014.
- 9 3. I understand that this attestation will be filed concurrently with the Indicative
10 Filing of the Company's net power costs (NPC) on November 8, 2019.
- 11 4. I attest that all NPC contracts executed before the contract lockdown date of
12 October 29, 2019, are included in the Indicative Filing.
- 13 5. I attest that for the executed power purchase agreements with new qualifying
14 facilities (QFs) included in the 2020 TAM, PacifiCorp has a commercially
15 reasonable good faith belief that these QFs will reach commercial operation
16 during the rate effective period based on the information known to PacifiCorp
17 as of the contract lockdown date of October 29, 2019.

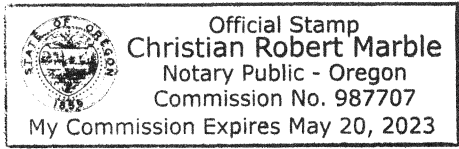
1 I declare under penalty of perjury under the laws of the state of Oregon that the
2 foregoing is true and correct based on my information and belief as of the date of this
3 attestation.

4 SIGNED this: 5th day of November, 2019, at Portland, Oregon

5 Signed: 

6 SUBSCRIBED AND SWORN to before me this 5th day of November, 2019.

7 

8 
Official Stamp
Christian Robert Marble
Notary Public - Oregon
Commission No. 987707
My Commission Expires May 20, 2023

Notary Public, State of Oregon
My Commission expires: 5/20/2023

Exhibit D

PacifiCorp
CY 2020 TAM
Indicative Update

Line no	ACCT.	Total Company					Factor	Factors CY 2019	Factors CY 2020	Oregon Allocated								
		UE-339 CY 2019 - Final Update	TAM CY 2020 - Initial Filing	TAM CY 2020 - Reply Update	TAM CY 2020 - Settlement	CY 2020 - Indicative Update				UE-339 CY 2019 - Final Update	TAM CY 2020 - Initial Filing	TAM CY 2020 - Reply Update	TAM CY 2020 - Settlement	CY 2020 - Indicative Update				
1		Sales for Resale																
2	447	7,967,439	7,010,945	7,621,463	7,621,463	7,151,470	SG	26.725%	26.456%	2,129,283	1,854,805	2,016,322	2,016,322	1,891,982				
3	447	-	-	-	-	-	SG	26.725%	26.456%	-	-	-	-	-				
4	447	478,486,284	339,748,239	372,798,652	372,798,652	407,185,441	SG	26.725%	26.456%	127,874,540	89,883,268	98,627,034	98,627,034	107,724,350				
5	447	-	-	-	-	-	SE	25.322%	25.314%	-	-	-	-	-				
6		486,453,723	346,759,184	380,420,115	380,420,115	414,336,911				130,003,823	91,738,073	100,643,356	100,643,356	109,616,331				
7																		
8		Purchased Power																
9	555	3,133,795	4,795,373	3,261,949	3,261,949	11,573,350	SG	26.725%	26.456%	837,501	1,268,656	862,976	862,976	3,061,828				
10	555	3,332,695	3,793,638	3,793,638	3,793,638	3,793,812	SG	26.725%	26.456%	890,656	1,003,639	1,003,639	1,003,639	1,003,685				
11	555	17,662,229	21,667,704	18,094,684	18,094,684	37,613,260	SE	25.322%	25.314%	4,472,499	5,485,049	4,580,560	4,580,560	9,521,570				
12	555	721,894,615	672,350,836	677,393,578	660,327,035	670,169,427	SG	26.725%	26.456%	192,924,948	177,876,096	179,210,196	174,695,098	177,298,985				
13	555	-	-	-	-	-	SE	25.322%	25.314%	-	-	-	-	-				
14	555	7,099,964	7,455,847	7,450,204	7,450,204	7,454,837	SG	26.725%	26.456%	1,897,452	1,972,507	1,971,015	1,971,015	1,972,240				
15		753,123,297	710,063,398	709,994,053	692,927,510	730,604,685				201,023,056	187,605,948	187,628,386	183,113,288	192,858,308				
16																		
17		Wheeling Expense																
18	565	22,380,362	22,079,714	22,079,714	22,079,714	22,079,714	SG	26.725%	26.456%	5,981,109	5,841,375	5,841,375	5,841,375	5,841,375				
19	565	-	-	-	-	-	SG	26.725%	26.456%	-	-	-	-	-				
20	565	108,553,771	107,547,012	107,543,235	107,543,235	106,205,787	SG	26.725%	26.456%	29,010,787	28,452,471	28,451,472	28,451,472	28,097,639				
21	565	4,447,418	3,175,158	3,175,158	3,175,158	3,175,158	SE	25.322%	25.314%	1,126,193	803,772	803,772	803,772	803,772				
22		135,381,551	132,801,884	132,798,106	132,798,106	131,460,659				36,118,088	35,097,618	35,096,619	35,096,619	34,742,776				
23																		
24		Fuel Expense																
25	501	702,622,248	642,746,510	649,756,250	649,756,250	646,678,660	SE	25.322%	25.314%	177,920,783	162,707,412	164,481,885	164,481,885	163,702,812				
26	501	40,481,392	27,072,484	36,084,281	36,084,281	35,774,779	SE	25.322%	25.314%	10,250,858	6,853,236	9,134,519	9,134,519	9,056,170				
27	501	5,440,263	5,823,881	7,515,588	7,515,588	7,400,913	SE	25.322%	25.314%	1,377,605	1,474,280	1,902,526	1,902,526	1,873,497				
28	547	293,704,139	299,969,224	312,083,535	312,083,535	297,458,906	SE	25.322%	25.314%	74,372,923	75,935,404	79,002,069	79,002,069	75,299,932				
29	547	3,736,769	3,426,472	3,879,074	3,879,074	4,133,452	SE	25.322%	25.314%	946,239	867,391	981,964	981,964	1,046,358				
30	503	4,597,639	4,676,489	4,676,489	4,676,489	4,676,489	SE	25.322%	25.314%	1,164,232	1,183,825	1,183,825	1,183,825	1,183,825				
31		1,050,582,449	983,715,060	1,013,995,217	1,013,995,217	996,123,198				266,032,640	249,021,549	256,686,788	256,686,788	252,162,595				
32																		
33		(545,317)	-	-	(1,467,719)	(1,467,719)	As Settled			(141,911)	-	-	(388,297)	(388,297)				
34																		
35		1,452,088,257	1,479,821,158	1,476,367,261	1,457,833,000	1,442,383,912				373,028,051	379,987,042	378,768,436	373,865,041	369,759,060				
36																		
37		501,570	513,798	463,225	463,225	535,929	OR	100.000%	100.000%	501,570	513,798	463,225	463,225	535,929				
38		1,452,589,826	1,480,334,955	1,476,830,487	1,458,296,225	1,442,919,842				373,529,620	380,500,839	379,231,662	374,328,266	370,294,989				
39																		
40		3,079,748	1,572,036	1,493,124	1,493,124	1,493,124	SG	26.725%	26.456%	823,057	415,895	395,019	395,019	395,019				
41		(37,465,734)	(99,704,458)	(96,971,960)	(96,971,960)	(96,971,960)	SG	26.725%	26.456%	(10,012,645)	(26,377,657)	(25,654,751)	(25,654,751)	(25,654,751)				
42		1,418,203,840	1,382,202,533	1,381,351,651	1,362,817,389	1,347,441,006				364,340,032	354,539,078	353,971,929	349,068,533	345,035,256				
43																		
44										Increase Absent Load Change	(9,800,954)	(10,368,103)	(15,271,498)	(19,304,775)				
45																		
46										Oregon-allocated NPC (incl. PTC) Baseline in Rates from UE-33E	\$364,340,032							
47										\$ Change due to load variance from UE-339 forecast	4,921,525							
48										2020 Recovery of NPC (incl. PTC) in Rates	\$369,261,556							
49																		
50										Increase Including Load Change	(14,722,479)	(15,289,627)	(20,193,023)	(24,226,300)				
51										Add Other Revenue Change	67,946	100,662	100,662	100,662				
52										Total TAM Increase/(Decrease) \$	(14,654,533)	(15,188,966)	(20,092,361)	(24,125,638)				
53																		
54																		

*EIM Benefits for the 2020 TAM are reflected in net power costs

**TAM Settlement UE 356 - Agreed to decrease Oregon-allocated NPC by \$388,297.

**TAM Settlement UE 339 - Partial Stipulation agreed to decrease Oregon-allocated NPC by \$141,911

**PacifiCorp
CY 2020 TAM
Production Tax Credits - Stand Alone TAM Adjustment
Indicative Filing**

PTC Revenue Requirement in UE-339

Line no	Plant Name	PTC Expiration Date	Total Company		Factor	Factors CY 2018	Oregon Allocated	
			UE-339				UE-339	Revenue
			Final			Final	Requirement	
1	JC Boyle	11/7/15	\$ -		SG	26.725%	\$ -	\$ -
2	Blundell Bottoming Cycle	12/1/17	-		SG	26.725%	-	-
3	Glenrock	12/30/18	(2,677,520)		SG	26.725%	(715,562)	(948,853)
4	Glenrock III	1/16/19	(172,547)		SG	26.725%	(46,113)	(61,147)
5	Goodnoe	12/17/17	(400,326)		SG	26.725%	(106,986)	(141,867)
6	High Plains Wind	10/14/19	(6,821,943)		SG	26.725%	(1,823,151)	(2,417,543)
7	Leaning Juniper 1	9/13/16	(1,533,630)		SG	26.725%	(409,860)	(543,484)
8	Leaning Juniper Indemnity	9/13/16	(19,937)		SG	26.725%	(5,328)	(7,065)
9	Marengo	8/2/17	(1,055,916)		SG	26.725%	(282,192)	(374,193)
10	Marengo II	6/25/18	(441,520)		SG	26.725%	(117,995)	(156,465)
11	McFadden Ridge	10/31/19	(2,102,460)		SG	26.725%	(561,878)	(745,064)
12	Seven Mile	12/30/18	(3,098,241)		SG	26.725%	(827,999)	(1,097,947)
13	Seven Mile II	12/30/18	(649,037)		SG	26.725%	(173,454)	(230,004)
14	Dunlap I Wind	9/29/20	(9,281,107)		SG	26.725%	(2,480,358)	(3,289,015)
15								
16	Total Production Tax Credit		<u>\$ (28,254,184)</u>				<u>\$ (7,550,876)</u>	<u>\$ (10,012,645)</u>

PTC Revenue Requirement CY 2020 - UE 356 Settlement

Line no	Plant Name	PTC Expiration Date	Repowering In- Service Date	Total Company		Factor	Factors CY 2020	Oregon Allocated	
				CY 2020				CY 2020	Revenue
				Indicative			Indicative	Requirement	
21	JC Boyle	11/7/15		\$ -		SG	26.456%	\$ -	\$ -
22	Blundell Bottoming Cycle	12/1/17		-		SG	26.456%	-	-
23	Glenrock	12/30/18	10/1/19	(8,547,092)		SG	26.456%	(2,261,205)	(2,998,413)
24	Glenrock III	1/16/19	1/1/21	-		SG	26.456%	-	-
25	Goodnoe	12/17/17	10/1/19	(7,140,296)		SG	26.456%	(1,889,026)	(2,504,894)
26	High Plains Wind	10/14/19	11/1/19	(9,618,301)		SG	26.456%	(2,544,603)	(3,374,205)
27	Leaning Juniper 1	9/13/16	10/1/19	(7,528,559)		SG	26.456%	(1,991,744)	(2,641,101)
28	Leaning Juniper Indemnity	9/13/16	10/1/19	(97,871)		SG	26.456%	(25,893)	(34,334)
29	Marengo	8/2/17	11/1/19	(12,267,120)		SG	26.456%	(3,245,370)	(4,303,440)
30	Marengo II	6/25/18	11/1/19	(5,843,584)		SG	26.456%	(1,545,969)	(2,049,993)
31	McFadden Ridge	10/31/19	11/1/19	(2,933,447)		SG	26.456%	(776,068)	(1,029,085)
32	Rolling Hills	1/16/19	10/1/19	-		SG	26.456%	-	-
33	Seven Mile	12/30/18	7/1/19	(10,490,109)		SG	26.456%	(2,775,247)	(3,680,045)
34	Seven Mile II	12/30/18	7/1/19	(2,198,558)		SG	26.456%	(581,647)	(771,278)
35	Dunlap I Wind	9/29/20	1/1/21	(6,464,915)		SG	26.456%	(1,710,348)	(2,267,963)
36									
37									
38	Total Production Tax Credit			<u>\$ (73,129,852)</u>				<u>\$ (19,347,120)</u>	<u>\$ (25,654,751)</u>

Oregon-allocated PTC Baseline in Rates from UE-339 \$ (10,012,645)
2020 Recovery of PTC in Rates (25,654,751)

Oregon-allocated PTC Increase \$ (15,642,106)

PacifiCorp
CY 2020 TAM
Other Revenues - Stand Alone TAM Adjustment
Indicative Filing

Line no		Total Company					Factor	Factors CY 2019	Factors CY 2020	Oregon Allocated				
		UE-339	CY 2020	CY 2020	CY 2020	CY 2020				UE-339	CY 2020	CY 2020	CY 2020	CY 2020
		Final	Initial	Reply	Settlement	Indicative				Final	Initial	Reply	Settlement	Indicative
1	Seattle City Light - Stateline Wind Farm	(11,086,374)	(11,302,961)	(11,302,961)	(11,302,961)	(11,302,961)	SG	26.725%	26.456%	(2,962,812)	(2,990,294)	(2,990,294)	(2,990,294)	(2,990,294)
2	Non-company owned Foote Creek	(884,834)	(691,961)	(568,297)	(568,297)	(568,297)	SG	26.725%	26.456%	(236,470)	(183,064)	(150,348)	(150,348)	(150,348)
3	BPA South Idaho Exchange	-	-	-	-	-	SG	26.725%	26.456%	-	-	-	-	-
4	Little Mountain Steam Revenues	-	-	-	-	-	SG	26.725%	26.456%	-	-	-	-	-
5	James River Royalty Offset	-	-	-	-	-	SG	26.725%	26.456%	-	-	-	-	-
6														
7	Total Other Revenue	<u>(11,971,208)</u>	<u>(11,994,922)</u>	<u>(11,871,258)</u>	<u>(11,871,258)</u>	<u>(11,871,258)</u>				<u>(3,199,282)</u>	<u>(3,173,358)</u>	<u>(3,140,642)</u>	<u>(3,140,642)</u>	<u>(3,140,642)</u>
8														
9														
10														
11														
12														
13														
14														
15														

	Decrease (Increase) in Other Revenues Absent Load Change	25,924	58,641	58,641	58,641
	Baseline Other Revenues in Rates	(3,199,282)			
	\$ Change due to load variance from UE 339 CY 2019 forecast	(42,021)			
	Other Revenues in Rates using 2020 load forecast	(3,241,304)			
	Decrease (Increase) in Other Revenues Including Load Change	67,946	100,662	100,662	100,662

Exhibit E

PACIFIC POWER
STATE OF OREGON
Schedule 201 Rates to be Effective January 1, 2020 through UE 356 TAM
INDICATIVE

Delivery Service Schedule	Rate Block/ Lamp Type	Schedule 201 Rates		
		Secondary	Primary	Transmission
4	1st Block (≤1,000 kWh)	2.447		per kWh
	2nd Block (>1,000 kWh)	3.344		per kWh
23	1st 3,000 kWh	2.712	2.626	per kWh
	All Addl kWh	2.010	1.948	per kWh
28	1st 20,000 kWh	2.652	2.552	per kWh
	All Addl kWh	2.577	2.484	per kWh
30	1st 20,000 kWh	2.834	2.803	per kWh
	All Addl kWh	2.457	2.423	per kWh
41	Wint 1st 100kWh/kW	3.785	3.658	per kWh
	Wint All Addl kWh	2.578	2.498	per kWh
	Summer kWh	2.578	2.498	per kWh
47/48	On-Peak kWh	2.500	2.319	2.179 per kWh
	Off-Peak kWh	2.450	2.269	2.129 per kWh
15		2.040		
	MV 7,000L	\$1.55		per lamp
	MV 21,000L	\$3.51		per lamp
	MV 55,000L	\$8.40		per lamp
	HPS 5,800L	\$0.63		per lamp
	HPS 22,000L	\$1.73		per lamp
	HPS 50,000L	\$3.59		per lamp
50		1.683		
	MV 7,000L	\$1.28		per lamp
	MV 21,000L	\$2.89		per lamp
	MV 55,000L	\$6.93		per lamp
51		2.652		
	LED 4,000L/100 W(comp)	\$0.50		per lamp
	LED 6,200L/150 W(comp)	\$0.72		per lamp
	LED 13,000L/250 W(comp)	\$1.35		per lamp
	LED 16,800L/400 W(comp)	\$1.83		per lamp
	HPS 5,800L/70W	\$0.82		per lamp
	HPS 9,500L/100W	\$1.17		per lamp
	HPS 16,000L/150W	\$1.70		per lamp
	HPS 22,000L/200W	\$2.25		per lamp
	HPS 27,500L/250W	\$3.05		per lamp
	HPS 50,000L/400W	\$4.67		per lamp
	MH 12,000L/175W	\$1.80		per lamp
	MH 19,500L/250W	\$2.49		per lamp
	52	Dusk to Dawn	2.031	
Dusk to Midn.		2.031		per kWh
53		0.865		
	HPS 5,800L/70W	\$0.27		per lamp
	HPS 9,500L/100W	\$0.38		per lamp
	HPS 16,000L/150W	\$0.55		per lamp
	HPS 22,000L/200W	\$0.74		per lamp
	HPS 27,500L/250W	\$0.99		per lamp
	HPS 50,000L/400W	\$1.52		per lamp
	MH 9,000L/100W	\$0.34		per lamp
	MH 12,000L/175W	\$0.59		per lamp
	MH 19,500L/250W	\$0.81		per lamp
	MH 32,000L/400W	\$1.29		per lamp
	MH 107,800L/1,000W	\$3.06		per lamp
	Non-Listed	0.865		per kWh
	54	All kWh	1.494	

PACIFIC POWER
STATE OF OREGON

One-Year Option - Transition Adjustments (cents/kWh)
November 2019 Indicative Transition Adjustments

	23/723 Secondary		23/723 Primary		28/728 Secondary		28/728 Primary		30/730 Secondary	
	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH
Jan-20	-0.911	-0.803	-1.092	-0.959	-0.889	-0.740	-0.974	-0.856	-1.025	-0.870
Feb-20	-0.371	-0.633	-0.530	-0.750	-0.299	-0.564	-0.445	-0.683	-0.413	-0.679
Mar-20	-0.019	0.002	-0.178	-0.165	0.051	0.077	-0.040	-0.051	-0.070	-0.051
Apr-20	0.427	0.436	0.281	0.210	0.464	0.504	0.340	0.321	0.368	0.379
May-20	0.882	0.890	0.768	0.693	1.008	0.973	0.802	0.858	0.872	0.829
Jun-20	-0.236	0.112	0.199	0.182	-0.166	0.164	0.013	0.015	-0.266	0.044
Jul-20	-2.031	-1.299	-3.349	-1.331	-1.885	-1.107	-2.051	-2.432	-2.103	-1.326
Aug-20	-4.712	-2.650	-3.127	-2.577	-4.449	-2.733	-4.448	-2.682	-4.610	-2.733
Sep-20	-1.966	-1.207	-2.523	-1.310	-1.891	-1.141	-1.959	-1.247	-1.929	-1.253
Oct-20	-0.487	-0.300	-0.660	0.015	-0.416	-0.228	-0.525	-0.338	-0.538	-0.352
Nov-20	-0.489	-0.195	-0.377	-0.470	-0.432	-0.126	-0.552	-0.236	-0.566	-0.247
Dec-20	-1.707	-1.417	-1.852	-1.559	-1.657	-1.348	-1.772	-1.461	-1.785	-1.472

	30/730 Primary		41/741 Secondary		41/741 Primary		47/747,48/748 Secondary		47/747,48/748 Primary	
	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH
Jan-20	-1.045	-0.913					-0.993	-0.742	-1.242	-1.067
Feb-20	-0.471	-0.713					0.064	-0.613	-0.612	-0.908
Mar-20	-0.114	-0.089					-0.058	-0.109	-0.270	-0.269
Apr-20	0.310	0.349	0.480	0.306	0.410	0.236	0.327	0.254	0.163	0.151
May-20	0.829	0.815	0.963	0.895	0.893	0.825	0.609	0.772	0.599	0.610
Jun-20	-0.297	0.007	-0.072	0.234	-0.142	0.164	-0.231	0.146	-0.469	-0.167
Jul-20	-1.973	-2.473	-2.661	-1.969	-2.731	-2.039	-2.851	-1.963	-2.239	-1.664
Aug-20	-4.777	-2.754	-3.364	-2.651	-3.434	-2.721	-3.618	-2.794	-4.940	-2.855
Sep-20	-1.978	-1.289	-1.950	-1.212	-2.020	-1.282	-2.036	-1.314	-2.227	-1.436
Oct-20	-0.573	-0.388	-0.507	-0.273	-0.577	-0.343	-0.555	-0.369	-0.777	-0.582
Nov-20	-0.590	-0.264					0.130	0.206	-0.782	-0.446
Dec-20	-1.816	-1.511					-1.681	-1.520	-1.991	-1.691

	47/747,48/748 Transmission		51/751		52/752		53/753		54/754	
	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH	HLH	LLH
Jan-20	-1.211	-1.102	-0.821	-0.706	-1.457	-1.342	-2.650	-2.535	-2.006	-1.892
Feb-20	-0.691	-0.955	-0.301	-0.558	-0.937	-1.194	-2.130	-2.387	-1.486	-1.744
Mar-20	-0.333	-0.326	0.097	0.095	-0.539	-0.541	-1.732	-1.734	-1.089	-1.090
Apr-20	0.097	0.087	0.540	0.521	-0.097	-0.116	-1.289	-1.308	-0.646	-0.665
May-20	0.557	0.521	0.947	0.977	0.311	0.341	-0.882	-0.852	-0.238	-0.209
Jun-20	-0.550	-0.225	-0.151	0.198	-0.787	-0.439	-1.980	-1.631	-1.336	-0.988
Jul-20	-2.002	-1.377	-1.699	-1.073	-2.335	-1.709	-3.528	-2.902	-2.885	-2.258
Aug-20	-4.949	-2.837	-4.742	-2.499	-5.378	-3.136	-6.571	-4.328	-5.927	-3.685
Sep-20	-2.194	-1.463	-1.850	-1.078	-2.486	-1.714	-3.679	-2.907	-3.035	-2.264
Oct-20	-0.810	-0.631	-0.408	-0.222	-1.044	-0.858	-2.237	-2.051	-1.593	-1.408
Nov-20	-0.590	-0.547	-0.182	-0.146	-0.818	-0.782	-2.011	-1.975	-1.368	-1.331
Dec-20	-1.968	-1.702	-1.616	-1.327	-2.252	-1.964	-3.445	-3.157	-2.801	-2.513

PACIFIC POWER
STATE OF OREGON

**Three-Year Option - Transition Adjustments (cents/kWh)
For Customers Electing Option During the November 2019 Window
November 2019 Indicative Transition Adjustments**

Adjustments for Consumers Electing This Option for 2019-2021

	30/730 Secondary		30/730 Primary	
	HLH	LLH	HLH	LLH
2020	-0.905	-0.819	-0.928	-0.876
2021	-1.015	-1.089	-1.057	-1.118
2022	-1.085	-1.117	-1.122	-1.150

	47/747, 48/748 Secondary		47/747, 48/748 Primary		47/747, 48/748 Transmission	
	HLH	LLH	HLH	LLH	HLH	LLH
2020	-1.155	-0.989	-1.128	-1.079	-1.131	-1.095
2021	-1.068	-1.449	-1.221	-1.398	-1.244	-1.386
2022	-1.199	-1.326	-1.331	-1.398	-1.342	-1.405

PACIFIC POWER
STATE OF OREGON

**Five-Year Option - Transition Adjustments (cents/kWh) and
Consumer Opt-Out Charge (cents/kWh) For Customers Electing
Option During the November 2019 Window
November 2019 Indicative Transition Adjustments**

Adjustments for Consumers Electing This Option for Service Beginning January 1, 2020

Transition Adjustments (cents/kWh)

	730 Secondary	730 Primary	747, 748 Secondary	747, 748 Primary	747, 748 Transmission
2020	-0.483	-0.521	-0.513	-0.699	-0.744
2021	-0.879	-0.915	-0.907	-1.077	-1.103
2022	-0.938	-0.975	-0.966	-1.141	-1.167
2023	-1.025	-1.062	-1.054	-1.233	-1.258
2024	-1.136	-1.173	-1.165	-1.346	-1.369

Consumer Opt-Out Charge (cents/kWh)

	730 Secondary	730 Primary	747, 748 Secondary	747, 748 Primary	747, 748 Transmission
2020-2024	1.218	1.153	1.204	0.908	0.722

Exhibit F

Exhibit F

**November 2019
Oregon Transition Adjustment Mechanism (TAM) Indicative Update**

Updated Expected In-service Dates of the New Wind Projects and Corresponding Updates to the Stipulated Benefits

The net power cost (NPC) savings shown in Exhibit 3 of the stipulation settlement represents the NPC benefits associated with the new wind projects and repower projects in 2020 on an Oregon-allocated basis. The stipulated estimated TAM reduction includes both benefits from the NPC saving and production tax credits (PTC) on an Oregon-allocated basis. The difference between these two set of numbers are the PTC benefits allocated to Oregon customers.

The table below shows the relationship between the NPC benefits from Exhibit 3 and the stipulated estimated TAM reduction of \$1.08 million for Glenrock III, \$1.91 million for Dunlap and Foote Creek I, and \$10.72 million for the new wind projects.

Consistent with paragraph 17 of the Stipulation adopted in Order 19-351, the updated expected in-service dates of the new wind projects and corresponding updates to the stipulated benefits will be calculated and provided in the final November TAM update on November 15, 2019.

	NPC Benefits	PTC Benefits	TAM Benefits (NPC + PTC)
	OR-allocated (Exhibit 3)	OR-allocated	OR-allocated (Stipulation)
Glenrock III Repower	(92,244)	(989,543)	(1,081,787)
Foote Creek I and Dunlap Repower	(177,403)	(1,735,912)	(1,913,315)
New Winds	(4,207,885)	(6,508,170)	(10,716,054)

CERTIFICATE OF SERVICE

I certify that I delivered a true and correct copy of PacifiCorp's **2020 Transition Adjustment Mechanism – Net Power Cost Indicative Update for 2020** on the parties listed below via electronic mail and/or or overnight delivery in compliance with OAR 860-001-0180.

Service List UE 356

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Dated this 8th day of November, 2019.



Mary Penfield
Adviser, Regulatory Operations