

**EXH. JAP-42
DOCKETS UE-170033/UG-170034
2017 PSE GENERAL RATE CASE
WITNESS: JON A. PILIARIS**

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,**

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

**Docket UE-170033
Docket UG-170034**

**EIGHTH EXHIBIT (NONCONFIDENTIAL) TO THE
PREFILED SUPPLEMENTAL DIRECT TESTIMONY OF**

JON A. PILIARIS

ON BEHALF OF PUGET SOUND ENERGY

APRIL 3, 2017

Puget Sound Energy
Gas Decoupling Mechanism
Development of Decoupled Revenue by Decoupling Group

Line No.	(a)	Source (b)	Schedules 23 & 53 (c) = $\sum (f \& g)$	Schedules 31 & 31T (d) = $\sum (h \& i)$	Schedules 41, 41T, 86 & 86T (e) = $\sum (j \text{ thru } m)$	Schedule 23 (f)	Schedule 53 (g)	Schedule 31 (h)	Schedule 31T (i)	Schedule 41 (j)	Schedule 41T (k)	Schedule 86 (l)	Schedule 86T (m)
1													
2	Total Proforma Delivery Revenue	Exhibit JAP-40	\$ 318,957,565	\$ 94,831,332	\$ 16,399,698	\$ 318,957,327	\$ 238	\$ 94,815,091	\$ 16,241	\$ 12,742,639	\$ 1,426,555	\$ 2,142,795	\$ 87,710
3													
4	Basic Charge Revenue	Exhibit JAP-40	\$ 99,506,336	\$ 23,863,332	\$ 2,622,199	\$ 99,506,193	\$ 143	\$ 23,854,452	\$ 8,880	\$ 1,821,781	\$ 361,851	\$ 415,886	\$ 22,681
5	Minimum Charge Revenue	Exhibit JAP-40	\$ -	\$ -	\$ 2,118,123	\$ -	\$ -	\$ -	\$ -	\$ 1,983,669	\$ 102,150	\$ 32,304	\$ -
6	Total Basic & Minimum Charge Revenue	(4) + (5)	\$ 99,506,336	\$ 23,863,332	\$ 4,740,322	\$ 99,506,193	\$ 143	\$ 23,854,452	\$ 8,880	\$ 3,805,450	\$ 464,002	\$ 448,190	\$ 22,681
7													
8	Net Proforma Delivery Revenue	(2) - (6)	\$ 219,451,229	\$ 70,967,999	\$ 11,659,375	\$ 219,451,134	\$ 95	\$ 70,960,638	\$ 7,361	\$ 8,937,189	\$ 962,553	\$ 1,694,605	\$ 65,029

**Puget Sound Energy
Gas Decoupling Mechanism
Development of Allowed Delivery Revenue Per Customer**

Line No.	(a)	(b)	Schedules 23 & 53 (c)	Schedules 31 & 31T (d)	Schedules 41, 41T, 86 & 86T (e)
1	Test Year Delivery Revenue	JAP-42 Page 1	\$ 219,451,229	\$ 70,967,999	\$ 11,659,375
2					
3	Test Year Customers	UG-170034 WP	746,002	55,899	1,709
4					
5	Annual Allowed Delivery Revenue Per Customer	(1) / (3)	\$ 294.17	\$ 1,269.58	\$ 6,822.34

**Puget Sound Energy
Gas Decoupling Mechanism
Development of Delivery Revenue Per Unit Rates (\$/therm)**

Line No.	(a)	(b)	(c)	(d)	(e)
		Source	Schedules 23 & 53	Schedules 31 & 31T	Schedules 41, 41T, 86 & 86T
1	Test Year Delivery Revenue	JAP-42 Page 1	\$ 219,451,229	\$ 70,967,999	\$ 11,659,375
2					
3	Test Year Base Sales (therms)	UG-170034 WP	577,624,839	214,612,933	64,679,852
4					
5	Volumetric Delivery Revenue Per Unit (\$/therm)	(1) / (3)	\$ 0.37992	\$ 0.33068	\$ 0.18026

**Puget Sound Energy
Gas Decoupling Mechanism
Delivery Revenue Deferral and Amortization Calculations
Schedule 23 & 53**

Line No.	Source	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Actual Customers	765,356	766,622	767,351	767,901	768,060	768,180	767,921	768,127	768,839	770,543	772,503	774,273	
2	Monthly Allowed Delivery RPC	\$ 46.65	\$ 39.55	\$ 33.26	\$ 23.32	\$ 14.69	\$ 9.81	\$ 7.40	\$ 6.85	\$ 9.86	\$ 21.86	\$ 31.69	\$ 49.23	\$ 294.17
3	Allowed Delivery Revenue	\$ 35,705,404	\$ 30,317,930	\$ 25,525,458	\$ 17,908,977	\$ 11,279,511	\$ 7,535,296	\$ 5,686,101	\$ 5,263,404	\$ 7,581,632	\$ 16,840,741	\$ 24,479,219	\$ 38,115,424	\$ 226,239,098
4														
5	Actual Therms	92,825,811	79,116,487	70,321,773	50,344,081	29,807,422	19,685,795	13,977,581	13,268,603	18,617,326	43,464,485	77,423,968	100,798,217	609,651,549
6	Delivery Revenue Per Unit (\$/Therm)	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992	\$ 0.37992
7	Actual Delivery Revenue	\$ 35,266,382	\$ 30,057,936	\$ 26,716,648	\$ 19,126,723	\$ 11,324,436	\$ 7,479,027	\$ 5,310,363	\$ 5,041,008	\$ 7,073,094	\$ 16,513,027	\$ 29,414,914	\$ 38,295,239	\$ 231,618,816
8														
9	Deferral	\$ 439,022	\$ 259,994	\$ (1,191,190)	\$ (1,217,747)	\$ (44,924)	\$ 56,268	\$ 375,739	\$ 222,396	\$ 508,538	\$ 327,714	\$ (4,935,695)	\$ (179,835)	\$ (5,379,718)
10														
11	Interest	\$ 505	\$ 1,274	\$ (302)	\$ (3,991)	\$ (5,950)	\$ (6,005)	\$ (5,424)	\$ (4,592)	\$ (3,572)	\$ (2,443)	\$ (9,340)	\$ (17,060)	\$ (56,902)
12														
13	Cumulative Deferral & Interest	\$ 439,527	\$ 700,795	\$ (490,698)	\$ (1,712,436)	\$ (1,763,310)	\$ (1,713,047)	\$ (1,342,732)	\$ (1,124,928)	\$ (619,962)	\$ (294,692)	\$ (5,239,726)	\$ (5,456,620)	
14														
15	Deferral Amortization Rate (\$/Therm)	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100	\$ 0.00100
16														
17	Deferral Amortization	\$ 92,826	\$ 79,116	\$ 70,322	\$ 50,344	\$ 29,807	\$ 19,686	\$ 13,978	\$ 13,269	\$ 18,617	\$ 43,464	\$ 77,424	\$ 100,798	\$ 609,652
18														
19	Cumulative Deferral & Interest Net of Amortization	\$ 346,701	\$ 528,852	\$ (732,962)	\$ (2,005,044)	\$ (2,085,725)	\$ (2,055,148)	\$ (1,698,811)	\$ (1,494,275)	\$ (1,007,927)	\$ (726,121)	\$ (5,748,579)	\$ (6,046,272)	

Note: Deferrals and amortizations will be booked net of revenue sensitive items on PSE's balance sheet.

Puget Sound Energy
Gas Decoupling Mechanism
Delivery Revenue Deferral and Amortization Calculations
Schedules 31 & 31T

Line No.	Source	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Actual Customers	57,097	57,205	57,274	57,287	57,299	57,321	57,321	57,319	57,366	57,487	57,693	57,854	
2	Monthly Allowed Delivery RPC	\$ 187.99	\$ 158.13	\$ 137.29	\$ 99.13	\$ 70.96	\$ 55.04	\$ 48.36	\$ 46.79	\$ 54.67	\$ 91.19	\$ 126.86	\$ 193.17	\$ 1,269.58
3	Allowed Delivery Revenue	\$ 10,733,821	\$ 9,045,566	\$ 7,863,231	\$ 5,679,124	\$ 4,065,717	\$ 3,154,424	\$ 2,772,102	\$ 2,681,847	\$ 3,136,323	\$ 5,242,005	\$ 7,319,103	\$ 11,175,600	\$ 72,868,863
4														
5	Actual Delivery Revenue	\$ 10,851,183	\$ 9,160,339	\$ 8,455,089	\$ 6,447,606	\$ 4,270,567	\$ 3,253,409	\$ 2,484,746	\$ 2,644,422	\$ 3,210,556	\$ 5,580,805	\$ 8,874,030	\$ 11,428,675	\$ 76,661,428
6														
7	Deferral	\$ (117,362)	\$ (114,773)	\$ (591,858)	\$ (768,482)	\$ (204,851)	\$ (98,985)	\$ 287,356	\$ 37,425	\$ (74,233)	\$ (338,800)	\$ (1,554,927)	\$ (253,075)	\$ (3,792,565)
8														
9	Interest	\$ (219)	\$ (647)	\$ (1,756)	\$ (3,806)	\$ (5,274)	\$ (5,750)	\$ (5,501)	\$ (5,051)	\$ (5,130)	\$ (5,772)	\$ (8,598)	\$ (11,325)	\$ (58,830)
10														
11	Cumulative Deferral & Interest	\$ (117,581)	\$ (233,002)	\$ (826,615)	\$ (1,598,904)	\$ (1,809,028)	\$ (1,913,763)	\$ (1,631,909)	\$ (1,599,535)	\$ (1,678,898)	\$ (2,023,470)	\$ (3,586,995)	\$ (3,851,395)	
12														
13	Deferral Amortization	\$ 33,143	\$ 27,979	\$ 25,825	\$ 19,693	\$ 13,044	\$ 10,070	\$ 7,589	\$ 8,077	\$ 9,806	\$ 17,046	\$ 27,104	\$ 34,907	\$ 234,281
14														
15	Cumulative Deferral & Interest Net of Amortization	\$ (150,724)	\$ (294,123)	\$ (913,561)	\$ (1,705,543)	\$ (1,928,711)	\$ (2,043,516)	\$ (1,769,251)	\$ (1,744,953)	\$ (1,834,123)	\$ (2,195,740)	\$ (3,786,370)	\$ (4,085,676)	

Note: Deferrals and amortizations will be booked net of revenue sensitive items on PSE's balance sheet.

Puget Sound Energy
Gas Decoupling Mechanism
Delivery Revenue Deferral and Amortization Calculations
Schedules 4I, 4IT, 86 & 86T

Line No.	Source	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Actual Customers	1,663	1,659	1,654	1,652	1,650	1,648	1,646	1,643	1,643	1,640	1,638	1,635	
2	Monthly Allowed Delivery RPC	\$ 1,010.22	\$ 849.72	\$ 737.76	\$ 532.72	\$ 381.30	\$ 295.77	\$ 259.88	\$ 251.43	\$ 293.79	\$ 490.01	\$ 681.72	\$ 1,038.03	\$ 6,822.34
3	Allowed Delivery Revenue	\$ 1,679,990	\$ 1,409,683	\$ 1,220,260	\$ 880,053	\$ 629,140	\$ 487,430	\$ 427,758	\$ 413,092	\$ 482,700	\$ 803,609	\$ 1,116,662	\$ 1,697,182	\$ 11,247,559
4														
5	Actual Delivery Revenue	\$ 1,812,075	\$ 1,785,653	\$ 1,732,889	\$ 1,474,570	\$ 1,212,671	\$ 1,339,482	\$ 1,065,242	\$ 1,042,152	\$ 1,091,197	\$ 1,465,085	\$ 1,776,197	\$ 1,900,936	\$ 17,698,148
6														
7	Deferral	\$ (132,086)	\$ (375,970)	\$ (512,629)	\$ (594,517)	\$ (583,531)	\$ (852,051)	\$ (637,483)	\$ (629,061)	\$ (608,497)	\$ (661,475)	\$ (659,535)	\$ (203,753)	\$ (6,450,589)
8														
9	Interest	\$ (214)	\$ (998)	\$ (2,335)	\$ (3,988)	\$ (5,738)	\$ (7,862)	\$ (10,063)	\$ (11,936)	\$ (13,767)	\$ (15,649)	\$ (17,614)	\$ (18,917)	\$ (109,081)
10														
11	Cumulative Deferral & Interest	\$ (132,300)	\$ (509,268)	\$ (1,024,232)	\$ (1,622,737)	\$ (2,212,006)	\$ (3,071,919)	\$ (3,719,466)	\$ (4,360,463)	\$ (4,982,726)	\$ (5,659,851)	\$ (6,337,000)	\$ (6,559,670)	
12														
13	Deferral Amortization	\$ 14,764	\$ 14,433	\$ 14,052	\$ 12,032	\$ 9,939	\$ 11,149	\$ 8,848	\$ 8,629	\$ 9,059	\$ 11,984	\$ 14,496	\$ 15,431	\$ 144,816
14														
15	Cumulative Deferral & Interest Net of Amortization	\$ (147,064)	\$ (538,465)	\$ (1,067,481)	\$ (1,678,018)	\$ (2,277,226)	\$ (3,148,289)	\$ (3,804,683)	\$ (4,454,309)	\$ (5,085,631)	\$ (5,774,740)	\$ (6,466,385)	\$ (6,704,486)	

Note: Deferrals and amortizations will be booked net of revenue sensitive items on PSE's balance sheet.