

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

CASCADE NATURAL GAS
CORPORATION,

Respondent.

DOCKET UG-240008

CASCADE NATURAL GAS CORPORATION

SEVENTH EXHIBIT TO THE
DIRECT TESTIMONY OF RONALD J. AMEN

March 29, 2024

Cascade Natural Gas Corporation (WA Jurisdiction)
Gas Resource Demand Cost Allocation
Test Year Ended Dec 31, 2023

	A	B	C	D	E	F	G	H	I	J
	Description	Units	Total	Res 503	GSC 504	GSI 505	GSLV 511	Interruptible 570	Transport 663	Spl Contracts
1										
2	Annual Throughput	(Therms)	1,224,657,795	129,679,156	95,464,758	12,123,309	14,917,983	2,131,110	394,913,606	575,427,873
3	Percent			10.59%	7.80%	0.99%	1.22%	0.17%	32.25%	46.99%
4										
5	Annual Sales	(Therms)	254,316,316	129,679,156	95,464,758	12,123,309	14,917,983	2,131,110		
6	Percent			50.99%	37.54%	4.77%	5.87%	0.84%	0.00%	0.00%
7										
8	Winter Throughput	(Therms)	629,844,539	90,106,789	63,799,266	7,179,032	8,589,389	1,177,590	191,114,096	267,878,377
9	Percent			14.31%	10.13%	1.14%	1.36%	0.19%	30.34%	42.53%
10										
11	Winter Sales	(Therms)	170,852,066	90,106,789	63,799,266	7,179,032	8,589,389	1,177,590		
12	Percent			52.74%	37.34%	4.20%	5.03%	0.69%	0.00%	0.00%
13										
14	Design Day	(Therms)	2,442,666	1,245,547	915,538	113,558	78,709			
15	Percent			50.99%	37.48%	4.65%	3.22%	0.00%	0.00%	0.00%

16 Cost Allocations

17	Description	Indication	Total	Annual Sales	Winter Sales	Design Peak	Sys.Balanc'g	
18	Williams Northwest Pipeline plus Gas Transmission Northwest	TF-1 + GTN	100.0%	14.2%	25.5%	60.2%	0.0%	Base Transport
19	Jackson Prairie Storage, Mist Storage, plus Williams Northwest Pipeline TF-2	JP + TF-2 + Mist	100.0%		11.5%	68.5%	20.0%	JP, Mist, JP TF-2
20	Plymouth LNG plus TF-2	LS + TF-2	100.0%			100%	0.0%	LS TF-2
21			0.0%					
22			0.0%					

23 Illustrative Costs

24	Description	Indication	Total	Annual Sales	Winter Sales	Design Peak	Sys.Balanc'g	
25	Williams Northwest Pipeline plus Gas Transmission Northwest	TF-1 + GTN	\$ 40,989,146	\$ 5,832,965	\$ 10,464,248	\$ 24,691,934	\$ -	Base Transport
26	Jackson Prairie Storage, Mist Storage, plus Williams Northwest Pipeline TF-2	JP + TF-2 + Mist	\$ 5,370,627	\$ -	\$ 615,393	\$ 3,681,109	\$ 1,074,125	JP, Mist, JP TF-2
27	Plymouth LNG plus TF-2	LS + TF-2	\$ 1,061,252	\$ -	\$ -	\$ 1,061,252	\$ -	LS TF-2
28								
29								
30	Total		\$ 47,421,025	\$ 5,832,965	\$ 11,079,641	\$ 29,434,294	\$ 1,074,125	

31	Description	Total	Res 502, 503	GSC 504	GSI 505, 512	GSLV 511	Interruptible 570, 577	Transport 663	Spl Contracts
32									
33	Annual Sales	\$ 5,832,965	\$ 2,974,304	\$ 2,189,567	\$ 278,059	\$ 342,157	\$ 48,879	\$ -	\$ -
34	Winter Sales	\$ 11,079,641	\$ 5,843,364	\$ 4,137,339	\$ 465,555	\$ 557,016	\$ 76,366	\$ -	\$ -
35	Design Peak	\$ 29,434,294	\$ 15,008,925	\$ 11,032,299	\$ 1,368,383	\$ 948,445	\$ -	\$ -	\$ -
36	Sys.Balanc'g	\$ 1,074,125	\$ 113,739	\$ 83,730	\$ 10,633	\$ 13,084	\$ 1,869	\$ 346,372	\$ 504,697
37									
38	Total	\$ 47,421,025	\$ 23,940,332	\$ 17,442,936	\$ 2,122,630	\$ 1,860,702	\$ 127,114	\$ 346,372	\$ 504,697

39	Projected Sales	953,112,274	120,189,407	81,344,242	11,417,671	11,107,096	3,848,935	438,603,935	286,600,988
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40 Illustrative Demand Component

41	PGA Demand Component	\$ 0.1982	\$ 0.2134	\$ 0.1850	\$ 0.1663	\$ 0.0325			
42	PGA System Balancing Component	\$ 0.0011	\$ 0.0011	\$ 0.0011	\$ 0.0011	\$ 0.0011	\$ 0.0011	\$ 0.0011	\$ 0.0011
43	Total	\$ 0.1994	\$ 0.2145	\$ 0.1861	\$ 0.1675	\$ 0.0337	\$ 0.0011	\$ 0.0011	\$ 0.0011

Cascade Natural Gas Corporation (WA Jurisdiction)
Gas Resource Demand Cost Allocation
Test Year Ended Dec 31, 2023

Capacity Utilization (Dth / day)

A	B	C	D	E	F	G	H	I	J		
1	Williams Northwest Pipeline plus Gas Transmission Northwest				Jackson Prairie Storage, Mist Storage, plus Williams Northwest Pipeline TF-2				Plymouth LNG plus TF-2	Other	
2	Description	Annual Sales	Winter Sales	Design Peak	Total	System Balancing	Winter Sales	Design Peak	Total	Design Peak	Winter Sales
3	Based on Summer Sales Load	39,099			39,099				-		
4	Based on Summer JP1, JP3, JP4 Injection Load		3,692		3,692				-		
5	Based on Summer JP2, Mist1, Mist2 Injection Load		8,296		8,296		9,406	61,965	71,370		
6	Based on Summer LS Injection Load		2,761		2,761				-		
7	Based on Winter Sales Only		55,394		55,394		4,186		4,186		
8	Based on Design Peak Day			165,513	165,513			19,336	19,336	89,698	
9	Total	39,099	70,143	165,513	274,755	N/A	13,592	81,301	94,892	89,698	
10	Percent	14.2%	25.5%	60.2%	100.0%	20.0%	11.5%	68.5%	100.0%	100.0%	100.0%

