

P.S.C.U. Docket No. 19-057-13

Data Request No. 3.14

Requested by Division of Public Utilities

Date of DEU Response July 16, 2019

DPU 3.14: Please calculate the annual dollar impact of the proposed LNG facility on the cost of natural gas that could flow through the 191 pass-through filing for year 1 assuming a 30% withdrawal.

Answer: As discussed in DPU 3.11, the majority of these costs would be considered distribution gas costs and would not be associated with the 191 account. The carrying costs and costs to liquefy and vaporize would most likely be recovered through the 191 account. DPU 3.14 Attachment 1 provides a year by year calculation of the annual costs of these items.

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Months	Year 1 Balance	Year 2 Balance	Year 3 Balance	Year 4 Balance	Year 5 Balance	Price of Gas
1 January	-	528,736	1,288,872	1,288,872	1,288,872	\$3.22 Based on Current WACOG Price
2 February	-	648,128	1,148,872	1,148,872	1,148,872	Carrying Cost %
3 March	-	648,128	900,872	900,872	900,872	9.33%
4 April	-	648,128	900,872	900,872	900,872	Capacity of Facility
5 May	-	648,128	900,872	900,872	900,872	1,288,872
6 June	-	903,968	1,156,712	1,156,712	1,156,712	Total Liquifaction O&M
7 July	-	1,168,336	1,288,872	1,288,872	1,288,872	\$1,825,996
8 August	-	1,288,872	1,288,872	1,288,872	1,288,872	Liquifaction/Dth
9 September	-	1,288,872	1,288,872	1,288,872	1,288,872	\$1.42
10 October	-	1,288,872	1,288,872	1,288,872	1,288,872	Total Vaporization O&M
11 November	-	1,288,872	1,288,872	1,288,872	1,288,872	\$158,716
12 December	264,368	1,288,872	1,288,872	1,288,872	1,288,872	Vaporization/Dth
13 Average	22,031	969,826	1,169,192	1,169,192	1,169,192	\$0.12
Assumes 30% withdrawal during winter and injection back to full capacity in the summer						Total GS DTHS
Liquifaction Costs	\$374,541	\$1,076,915	\$549,695	\$549,695	\$549,695	113,718,321
Vaporization Costs	(\$32,555)	\$78,903	\$47,780	\$47,780	\$47,780	Daily Withdrawal (Dth)
Carrying Costs	\$6,619	\$291,361	\$351,256	\$351,256	\$351,256	-8000
Total Cost	\$348,604	\$1,447,179	\$948,730	\$948,730	\$948,730	Daily Liquifaction rate (Dth)
Annual Cost per typical GS customer	\$0.25	\$1.02	\$0.67	\$0.67	\$0.67	8528