

APPENDIX A

Scenario Analysis

Cost-of-Service Production vs. Questar Gas Demand

SCENARIO ANALYSIS

The Utah Commission, in its Report and Order issued October 22, 2013, concerning Questar Gas' 2013 IRP, required the Company to provide a scenario analysis that includes varying percentages of cost-of-service gas with varying levels of Questar Gas demand (e.g., low, normal, and high).⁶⁸

The tables below illustrate different scenarios that may occur with differing levels of cost-of-service gas and demand. The first table shows the estimated annual volume of cost-of-service gas that would be shut in under the different scenarios. The second table shows the anticipated overall annual costs under the different scenarios. The costs differences are, in part, a result of estimated shut-in costs when cost-of-service gas exceeds demand as well as the cost of having to replace cost-of-service gas (with purchased gas) when demand exceeds the amount cost-of-service gas available.

Annual Shut-in Decatherms
Thousands of Decatherms

		Demand		
		Low 10%	Normal	High 10%
Cost-of-service gas	Low 10%	1,295.961	704.397	165.510
	Normal	2,514.640	2,387.613	1,479.949
	High 10%	2,913.791	2,779.374	2,760.171

Full Production Annual Costs
Thousands of Dollars

		Demand		
		Low 10%	Normal	High 10%
Cost-of-service gas	Low 10%	\$630,180	\$679,364	\$733,547
	Normal	\$620,048	\$666,561	\$716,727
	High 10%	\$613,464	\$659,729	\$705,977

⁶⁸ In the Matter of Questar Gas Company's Integrated Resource Plan for Plan Year: June 1, 2013 to May 31, 2014, The Public Service Commission of Utah, Report and Order, Docket No. 13-057-04, Issued: October 22, 2013.