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BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

IN THE MATTER OF THE APPLICATION OF QUESTAR GAS COMPANY TO INCREASE DISTRIBUTION RATES AND CHARGES AND MAKE TARIFF MODIFICATIONS	Docket No. 16-057-03 SUBMISSION OF SUPPLEMENTAL EXHIBIT 4.17
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Questar Gas Company (Questar Gas or Company) respectfully submits the attached Questar Gas Exhibit 4.17 as a supplemental exhibit to its Application in this matter. On July 1, 2016, the Company filed its application in this matter, along with testimony and exhibits of four witnesses. In its letter dated August 1, 2016, the Public Service Commission of Utah requested that “Questar file the annotated rate design optimization program code at its earliest convenience.” Accordingly, the Company respectfully submits the attached Exhibit 4.17.

The attachment is a zip file that includes several files that are necessary to run the optimization program for the GS class. The files included are:

1) utRateOptimization_2_blocks(to_file).R - This file includes the source code of the optimization program and can be opened using a text editor such as notepad. The program is written in the R programming language and uses the NLOpt library for its nonlinear optimization routine. R is an open source language that can be downloaded at the following URL <https://cran.r-project.org/> and run on any major operating system.

NLOpt is a free/open-source library for nonlinear optimization. The library is primarily maintained by Steven G. Johnson a professor of applied mathematics at MIT. More information, as well as the NLOpt library can be found at <http://ab-initio.mit.edu/wiki/index.php/NLOpt> and <http://math.mit.edu/~stevenj/>

2) gs_sp_bsf_anon.xls – Customer-specific basic service fee data

3) monthly_gs_anon.xls – Customer-specific usage data

4) rd_sample_plant_cost_anon.xls – Customer-specific distribution plant cost data

5) summary_gs2_anon.xls – Customer-specific peak day usage data

Therefore, based on the foregoing, the Company respectfully requests that the Commission accept Exhibit 4.17 as a supplemental exhibit and include it in the record for this matter.

Dated this 15th day of August, 2016.

QUESTAR GAS COMPANY

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CERTIFICATE OF SERVICE

This is to certify that a true and correct copy of the Application was served upon the following persons by e-mail on August 15, 2016:

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