

BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

IN THE MATTER OF THE REQUEST OF  
DOMINION ENERGY UTAH TO EXTEND  
NATURAL GAS SERVICE TO GOSHEN AND  
ELBERTA, UTAH

Docket No. 21-057-06

**REDACTED DIRECT TESTIMONY OF MICHAEL L. GILL**

**FOR DOMINION ENERGY UTAH**

April 5, 2021

**DEU REDACTED Exhibit 2.0**

1

**I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Michael L. Gill. My business address is 1140 West 200 South, Salt Lake  
4 City, UT 84104.

5 **Q. By whom are you employed and what is your position?**

6 A. I am employed by Dominion Energy Utah (Dominion Energy, DEU, or Company) as the  
7 Director of Engineering and Project Management. I am responsible for the High-  
8 Pressure (HP) Engineering, Intermediate High-Pressure (IHP) Engineering, Systems  
9 Engineering, Research and Development, Survey, Pre-Construction, IHP Inspection and  
10 Design Drafting Departments. My qualifications are included in DEU Exhibit 2.01.

11 **Q. Have you testified before this Commission before?**

12 A. Yes. I testified in several dockets, including Docket Nos. 18-057-03, 19-057-13, 19-057-  
13 31.

14 **Q. Attached to your written testimony are DEU Exhibits 2.01 through 2.14. Were these**  
15 **prepared by you or under your direction?**

16 A. Yes, unless otherwise indicated. In that case, they are true and correct copies of what  
17 they purport to be.

18 **Q. What is the purpose of your direct testimony?**

19 A. The purpose of my testimony is to provide an overview of the required capital  
20 improvements necessary to extend natural gas service to the communities of Elberta and  
21 Goshen (the Communities). This overview will include the scope of work and costs of  
22 required facility construction, the timing of that construction, and estimates on the  
23 potential number of new customers.

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A. Goshen is a city in Utah County, Utah. It has a population of approximately 891 residents and covers approximately 0.7 square miles. I have attached a map of Goshen as DEU Exhibit 2.02. Elberta is an unincorporated community also located in Utah County. It has a population of approximately 256 residents and a census designated area of approximately 13.67 square miles. I have attached a map of Elberta as DEU Exhibit 2.03. The shaded area in each exhibit shows the area the Company proposes to serve.

A. The Company is seeking pre-approval for the construction of the high-pressure (HP) and intermediate high-pressure facilities (IHP) necessary to provide natural gas service to Goshen and Elberta including, HP and IHP mains, IHP service lines, and regulator stations. Dominion Energy proposes to construct approximately 4.5 miles of HP main passing through the community of Elberta and terminating in the town of Goshen, as well as district regulator stations in Elberta and Goshen. The Company also proposes to construct approximately 12,450 feet of IHP mains and 3,785 feet of IHP service lines in Elberta, and approximately 42,750 feet of IHP mains and 19,605 feet of IHP service lines in Goshen.

A. As Mr. Summers testifies, the Communities indicated that there are 340 residences and businesses that would be eligible for service if the Commission approves the Company's request. The Company did its own review and has estimated that there are 379 customers that could be served. The Company's review was performed by counting structures in its GIS mapping system. The Company's estimates assume all 379 customers sign up for gas service.

51 **Q. How many of those prospective customers have expressed interest in receiving**  
52 **natural gas service?**

53 A. As Mr. Summers testifies in his pre-filed direct testimony, the Company conducted  
54 community outreach activities, including a survey of residents to gauge interest in  
55 receiving natural gas service. The majority of respondents indicated that they wanted  
56 natural gas service. DEU Confidential Exhibit 2.04 shows the location of those  
57 prospective customers who responded to the survey. The green pinpoints on DEU  
58 Confidential Exhibit 2.04 indicate that the prospective customer wants natural gas  
59 service, and the yellow pinpoints indicate a prospective customer who either does not  
60 want natural gas service, or isn't sure.

61 **Q. Have you forecast the natural gas consumption for Elberta and Goshen customers**  
62 **pursuant to Commission Rule § 54-17-402(3)(b)(ii)(C)?**

63 A. Yes, the consumption usage is based on the estimate of potential customers in Elberta and  
64 Goshen. The gas consumption calculation for Elberta is shown in DEU Exhibit 2.05.  
65 The gas consumption calculation for Goshen is shown in DEU Exhibit 2.06.

66 **Q. What size of HP line would be used to service to Elberta and Goshen?**

67 A. The Company's Engineering Department conducted a study based upon the anticipated  
68 customer demand and determined that a 6" diameter HP main should be used to serve the  
69 communities. A copy of that study is attached as DEU Exhibit 2.07. The proposed route  
70 of the HP line is shown as Option A in DEU Exhibit 2.08.

71 **Q. Did the Company consider alternatives for constructing the HP main extension to**  
72 **Elberta and Goshen?**

73 A. Yes. In addition to the sizing considerations shown in DEU Exhibit 2.07 the Company  
74 considered an additional routing option, which is also shown as Option B (blue line) in  
75 DEU Exhibit 2.08. Though the construction conditions of each alternative are similar,  
76 the preferred route in option A (red line) is almost a mile shorter than the route in option  
77 B (blue line). Additionally, the proposed route ties directly into the 6" HP line that will  
78 be constructed in 2020 to serve the town of Eureka. This tie was contemplated when  
79 selecting route options for Eureka and is the most efficient and economical way to serve  
80 the Elberta and Goshen communities.

**Q. What is the estimated cost for the HP main extensions to serve these Communities?**

A. The estimated cost for the preferred HP extension (Option A), including the construction of regulator stations in Elberta and Goshen is [REDACTED]. DEU Confidential Exhibit 2.09 is the estimate for Option A. The estimated cost for the longer HP extension (Option B), including construction of regulator stations in Elberta and Goshen is [REDACTED]. DEU Confidential Exhibit 2.10 is the estimate for Option B.

**Q. What else will the Company need to construct to serve Elberta and Goshen?**

A. The Company plans to construct IHP main lines and service lines in both Elberta and Goshen. DEU Exhibit 2.11 shows the proposed route of IHP mains within Elberta based upon the current proposed location of the district regulator station. The Company proposes to install approximately 6,500 lf of 4" IHP plastic main and 5,950 lf of 2" IHP plastic main. Additionally, the Company plans to construct approximately 125 lf of 2" and 3,660 lf of 3/4" IHP plastic service lines. The estimated total cost for the installation of the IHP main, and service lines using directional drilling in Elberta is approximately [REDACTED]. DEU Confidential Exhibit 2.12 shows the estimate for the IHP system in Elberta.

The Company also plans to construct IHP main lines and service lines in the community of Goshen. DEU Exhibit 2.13 shows the proposed route of IHP mains within Goshen based upon the current proposed location of the district regulator station. The Company proposes to install approximately 1,250 lf of 6" IHP plastic main, 17,500 lf of 4" IHP plastic main, and 24,000 lf of 2" IHP plastic main. Additionally, the Company plans to construct approximately 375 lf of 2" IHP plastic service lines, 750 lf of 1 1/4" IHP plastic service lines, and 18,480 lf of 3/4" IHP plastic service lines. The estimated total cost for the installation of the IHP main and service lines in Goshen using directional drilling is approximately [REDACTED]. DEU Confidential Exhibit 2.14 shows the estimate for the IHP system in Goshen.

107 **Q. Why is the Company choosing to install the system using directional drilling instead**  
108 **of open trenching?**

109 A. Though it can be more expensive to install pipe using horizontal directional drilling  
110 (HDD), permitting agencies within communities often require it because it minimizes  
111 surface impacts to roads and property. There are also often environmental reasons to  
112 utilize the HDD technology rather than constructing with an open trench. If the  
113 Commission approves the Application in this docket, the Company will utilize the most  
114 appropriate construction methodology given the permitting requirements and the  
115 conditions it encounters as construction commences. In an effort to be transparent, the  
116 Company has included cost estimates for construction utilizing open trench work, and for  
117 construction using HDD technology. Those estimates are shown in DEU Confidential  
118 Exhibit 2.14. In an effort to be conservative the Company seeks pre-approval for costs  
119 associated with construction utilizing the HDD technology, recognizing that if such  
120 construction methods prove unnecessary, the actual costs associated with the expansion  
121 could be lower than anticipated.

122 **Q. How did the Company determine the required IHP main sizes?**

123 A. The Company's IHP Engineering department determined the main sizes by building a gas  
124 network model to determine the appropriate size of mains to serve the community at full  
125 build out.

126 **Q. What contracts will be required to construct the facilities you have described.**

127 A. If the Utah Public Service Commission (Commission) approves this project, the  
128 Company will conduct separate bid processes for the HP and IHP projects identified  
129 above. The Company would prepare request for proposals for each scope of work and  
130 conduct two independent bids (HP and IHP). While the bids may be independent, the  
131 Company will allow contractors to bid on both projects if they wish. The bids will be  
132 evaluated for cost, construction schedule, and the contractor's safety and performance  
133 metrics.

134 **Q. What governmental authorizations are required to construct these facilities?**

135 A. Construction of the IHP mains will be permitted and approved by the communities of  
136 Elberta and Goshen. The HP mains will be constructed under a permit from UDOT.

137 **Q. How much will the project cost in total?**

138 A. The facilities I have described including the Interconnect, the HP extension, regulator  
139 station, and IHP mains are estimated to cost [REDACTED].

140 **Q. Have you developed a project schedule for the proposed expansion of service to**  
141 **Elberta and Goshen?**

142 A. Yes. I estimate that the entire project would take approximately 6 months to construct. If  
143 the Commission approves the project, the Company will commence construction during  
144 the second quarter of 2022 and expects mains to be in service by October 2022.

145 **Q. Will you please summarize your testimony?**

146 A. Yes. The Company proposes to invest [REDACTED] in mains and facilities required to  
147 serve the communities of Elberta and Goshen, Utah. The facilities would include a 6"  
148 HP main that would tie to the 6" HP line that will serve the town of Eureka and extend  
149 east to the communities of Elberta and Goshen. The Company would also construct  
150 various IHP main lines and service lines throughout the two communities.

151 **Q. Does this conclude your testimony?**

152 A. Yes.

State of Utah                    )  
  ) ss.  
County of Salt Lake    )

I, Michael L. Gill, being first duly sworn on oath, state that the answers in the foregoing written testimony are true and correct to the best of my knowledge, information and belief. Except as stated in the testimony, the exhibits attached to the testimony were prepared by me or under my direction and supervision, and they are true and correct to the best of my knowledge, information and belief. Any exhibits not prepared by me or under my direction and supervision are true and correct copies of the documents they purport to be.

\_\_\_\_\_  
Michael L. Gill

SUBSCRIBED AND SWORN TO this \_\_\_\_\_ day of April, 2021.

\_\_\_\_\_  
Notary Public