# UAE Exhibit COS 6.1
# Docket No. 22-057-03

# DEU Response to
# UAE Data Request 3.01

P.S.C.U. Docket No. 22-057-03
UAE Data Request No. 3.01
Requested by the Utah Association of Energy Users
Date of DEU Response August 4, 2022

UAE 3.01: Large-Diameter IHP Mains. Please refer to the Direct Testimony of Austin Summers, pages 10-11 regarding large-diameter intermediate high-pressure (IHP) main lines. Was the large-diameter IHP main line system designed to meet the Design-Day demand of customers connected to the IHP system? If not, please explain why this system was not designed to meet the Design-Day demand of customers connected to the IHP system.

Answer: The entire gas distribution system is designed to meet a design-day scenario. However, unlike the high-pressure feeder-lines, the large-diameter main lines are generally used to deliver natural gas to the small-diameter mains. Therefore, large-diameter mains are allocated differently than both high-pressure feeder lines and small-diameter main lines. The large-diameter main lines are allocated using the distribution throughput factor, which excludes volumes of customers who don't use the large-diameter pipes.

In the Cost-of-Service Study, the Throughput Allocator is created to allocate costs to all customers based on the amount of commodity sent to those customers. The Distribution Throughput Allocator is created similarly, however, the difference is it excludes customers that are not connected to the large-diameter mains. This can be seen in Exhibit 4.20 in the "COS Alloc Factors TS Split" tab. Excel cell L30 shows that 14.4% of the Throughput cost is given to the TSL class. In Excel cell L40, only 2.5% of the Distribution Throughput cost is given to the TSL class. This ensures that customers who aren't connected to the IHP system don't have to pay for it.

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