

ATTACHMENT D

Table No. 1 below provides a listing of all Business Cases not previously included in the Company’s original filing in Dockets UE-220053, et. al., and where actual 2022 additions were below the \$500,000 and +/- 10% “significant cost variance” threshold. A summary description of the listed Business Case follows.

Table No. 1 – Business Case Amount Variance - As-Filed versus Actual – Below “Significant Cost Variance” Threshold

<u>Business Case</u>	2022 TTP Plan Gross Plant	2022 Actual TTP Gross Plant	Variance \$ over/(under) Gross Plant
Gas Warden HP Reinforcement	\$ -	\$ 202,293	\$ 202,293
Strategic Initiatives - Real Time Power System Simulator	\$ -	\$ 2,529	\$ 2,529
Telecommunication & Network Distribution location Security	\$ -	\$ 120,514	\$ 120,514

Gas Warden HP Reinforcement

Gas supply to Warden, Washington currently has two constraints. 1) The town is supplied gas from the fully-subscribed and capacity-constrained Moses Lake lateral (owned by Williams NWP). Warden has a design-day need projected to be 1,472 dekatherm per day (Dth/day). Avista has Firm transportation capacity for 1,180 Dth/day. The capacity gap of 292 Dth/day can be served on a non-Firm basis, but there is a risk of not being able to serve Firm customers in Warden during severe cold weather events. In order to meet our obligation to serve current Firm loads in Warden on a peak day, Avista requires incremental capacity from Williams NWP. Williams NWP provided an estimate of \$9.85 million to increase the capacity of the Moses Lake lateral. 2) The high pressure (HP) supply line into town has reached its capacity. Sufficient capacity is defined as pressures at or above 90 pounds per square inch (psig) in a HP distribution system on a design day analysis. Gas Engineering will be responsible for distribution system changes. This ER is specific to the work and costs associated with Avista’s distribution system upgrades.

As a result of current capacity/supply constraints, industrial gas growth opportunities are hampered within the Port of Warden Industrial Park as well as other sites in the area. Grant County Economic Development Council and the Port of Warden have contacted Avista several times related to different commercial ventures interested in the Port site. Avista’s largest gas customer in Warden, Washington Potato, has also shared that they wish to increase their plant’s capacity and gas usage.

The recommended solution for increasing the capacity of Avista’s distribution system is to perform an uprate of the existing 4” HP line. The uprate will increase the Maximum Allowable Operating Pressure (MAOP) of the pipeline from 150 psig to 250 psig. The capacity of the uprated pipeline will nearly double from 98 Mcfh to 195 Mcfh.

Strategic Initiative – Real Time System Simulator

Enabling a flexible and realistic utility test environment requires specialized equipment, called a real time power system simulator (RTS). The RTS consists of specialized computing hardware connected to dedicated simulation software, plus the ability to interface to equipment being tested. This is known as hardware-in-the-loop simulation (HIL). The proposed solution to the need of the Integrated Test Facility is procuring and RTS solution.

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The proposed integrated test facility, which will reside within the Scott Morris Center for Energy Innovation, has the goal to contribute to the successful integration of evolving grid edge technologies. To date, a significant barrier to deploying new devices on the grid centers on the development of operational confidence, standards, and procures necessary to integrate new technologies safely, reliably and cost effectively. Simulated grid environments accelerate the ability to develop, validate and operationalize new grid solutions. The Integrate Test Facility requires simulation equipment to meet its goals.

Telecommunication & Network

Security is an expectation of companies today by customers. Especially companies considered critical infrastructure. Protecting communication infrastructure is vital as many of Avista's business processes depend on network communications, and without them, they could not function which could have an impact on our day-to-day operations that are needed to support our customers. The capital budget requested, funds the security protections that benefit Avista customers, as the enhancements maintain and enhance Avista's security posture to minimize the risks associated with attacks at Avista telecommunication & network distribution locations.