

**Exh. KG-8  
Docket UG-240008  
Witness: Konstantine Geranios**

**BEFORE THE WASHINGTON  
UTILITIES AND TRANSPORTATION COMMISSION**

**WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION,**

**Complainant,**

**v.**

**CASCADE NATURAL GAS  
CORPORATION,**

**Respondent**

**DOCKET UG-240008**

**EXHIBIT TO  
RESPONSE TESTIMONY  
OF**

**KONSTANTINE GERANIOS**

**STAFF OF  
WASHINGTON UTILITIES AND  
TRANSPORTATION COMMISSION**

*CNGC Response to UTC Staff Data Request No. 90*

**September 25, 2024**

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Docket UG-240008  
Cascade Natural Gas Corporation  
2024 General Rate Case**

**WUTC STAFF DATA REQUEST NO. 90**

**“CONFIDENTIAL” Table of Contents**

<b>DR NO.</b>	<b>“CONFIDENTIAL” Material</b>
<b>90</b>	Shaded information is designated as CONFIDENTIAL per Protective Order in Docket UG-240008 as marked in Attachment A to Cascade Natural Gas Corporation’s Response to WUTC Staff Data Request No. 90.

**BEFORE THE WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

**Docket UG-240008  
Cascade Natural Gas Corporation  
2024 General Rate Case**

**WUTC STAFF DATA REQUEST NO. 90:**

**Re: Capital Additions**

The testimony of Patrick Darras states that the South Kennewick Gate Reinforcement Project will address an existing pressure deficit in the South Kennewick Gate. Darras, Exh. PCD-1T at 55:6. Does this pressure deficit pose a pipeline safety concern? If so, why? Please provide documentation to corroborate.

**Response:**

Based on the five-year growth modeling during design day conditions (without the South Kennewick Reinforcement project) the South Kennewick distribution system has areas with pressure deficits that could pose a safety risk due to the possibility of a low-pressure event that would result in gas service outages. The most concerning area in the design day model is near the Port of Kennewick, which has predicted low pressure at 3- 5 psig. Another concerning area in the design day model is a newer housing development that was installed in 2019 near 36<sup>th</sup> & S Gum St., which has predicted low pressure at 10 psig.

To be proactive to potential pressure issues, Cascade has pressure charts on the system to monitor pressure. On December 22, 2022, Cascade experienced a low-pressure event at P-41, which is within the pressure deficit area of concern of the South Kennewick reinforcement. On December 22, 2024, Kennewick experienced a cold weather event with a heating degree day of 53 degrees (based on the CNG standard of temperatures below 60 degrees for heating), where the system pressure dropped to 15.36 psig. Cascade's current design day model uses a 65 heating degree day (based on the CNG standard of temperatures below 60 degrees for heating). Attached as Attachment A "240008-CNGC-Resp-WUTC Staff DR-90-Attach A.pdf" to Cascade Natural Gas Corporation's Response to WUTC Staff Data Request No. 90, please find the P-41 five-year pressure chart data.