

BEFORE THE  
STATE OF NEW YORK  
PUBLIC SERVICE COMMISSION

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In the Matter of  
  
Central Hudson Central Hudson Gas & Electric Corporation  
  
Cases 24-E-0461 & 24-G-0462  
  
November 22, 2024

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Prepared Testimony of:

Staff Gas System Planning and  
Reliability Panel (SGSPRP)

Andrew Riebel  
Utility Engineering  
Specialist 3

George Coffin  
Engineer Trainee

Office of Energy  
System Planning and  
Performance

State of New York  
Department of Public Service  
Three Empire State Plaza  
Albany, New York 12223-1350

1 Q. Members of the Gas System Planning and  
2 Reliability Panel, please state your names,  
3 employer, and business address.

4 A. Our names are Andrew Riebel and George Coffin.  
5 We are employed by the New York State Department  
6 of Public Service, or Department, and our  
7 business address is located at Three Empire  
8 State Plaza, Albany, New York 12223.

9 Q. Mr. Riebel, what is your position with the  
10 Department?

11 A. I am a Utility Engineering Specialist 3 in the  
12 Gas System Planning and Reliability Section of  
13 the Office of Energy System Planning and  
14 Performance.

15 Q. Mr. Riebel, please state your educational  
16 background and professional experience.

17 A. I received a Bachelor of Science Degree in  
18 Mechanical Engineering from Syracuse University  
19 in 1989. In 1990 I started working for the  
20 Department of Public Service as a Junior  
21 Engineer. Over the years, I have worked in a  
22 variety of sections including gas and electric  
23 rates, competitive markets, energy and the  
24 environment, gas supply and policy, pipeline

1 safety and reliability and currently with the  
2 gas system planning and reliability section.

3 Q. Mr. Riebel, what are your current duties in the  
4 Gas System Planning and Reliability Section?

5 A. My duties include monitoring and reviewing gas  
6 utility plans for meeting gas demand with  
7 adequate supply and capacity. This takes place  
8 throughout the year with an emphasis on the  
9 upcoming heating season. Other responsibilities  
10 include reviewing utility tariff and Gas  
11 Transportation Operating Procedures filings,  
12 conducting analysis of data, drafting reports,  
13 memoranda, and testimony of my findings, and  
14 participating in proceedings that relate to the  
15 natural gas industry, including rate case  
16 filings.

17 Q. Have you previously testified in proceedings  
18 before the Public Service Commission, referred  
19 to as the Commission?

20 A. Yes. I have previously submitted testimony in  
21 numerous rate cases over the course of my career  
22 at the Department. Recent examples include  
23 Cases 19-G-0379 and 22-G-0318 regarding New York  
24 State Electric & Gas Corporation; Cases 19-G-

1 0381 and 22-G-0320 regarding Rochester Gas and  
2 Electric Corporation; Cases 20-G-0101 and 21-G-  
3 0394 regarding Corning Natural Gas Corporation;  
4 Cases 21-G-0073 and 24-G-0061 regarding Orange  
5 and Rockland Utilities, Inc.; and Cases 20-G-  
6 0429 and 23-G-0419 regarding Central Hudson Gas  
7 & Electric Corporation, referred to as Central  
8 Hudson or the Company.

9 Q. Mr. Coffin, what is your position with the  
10 Department?

11 A. I am an Engineer Trainee in the Gas System  
12 Planning and Reliability Section of the Office  
13 of Energy System Planning and Performance.

14 Q. Please state your educational background and  
15 professional experience.

16 A. I received a Bachelor of Science Degree in  
17 Mechanical Engineering from Rensselaer  
18 Polytechnic Institute in 2014. I began working  
19 at the Department in November of 2023. I  
20 previously worked at the Division of Criminal  
21 Justice Services where my primary duty pertained  
22 to the repair and certification of alcohol  
23 breath test equipment for local New York law  
24 enforcement agencies and Sherriff's Offices.

1 Q. What are your current duties in the Gas System  
2 Planning and Reliability Section?

3 A. My duties within the office currently focus on  
4 the review and analysis of natural gas and  
5 thermal energy system planning and  
6 implementation in New York State.

7 Q. Have you previously testified in proceedings  
8 before the Commission?

9 A. Yes, I have previously submitted testimony in  
10 Case 24-G-0061 regarding Orange and Rockland  
11 Utilities, Inc., addressing the issues of farm  
12 taps and non-pipeline alternatives, referred to  
13 as NPAs.

14 **Scope of Testimony**

15 Q. What is the scope of your testimony concerning  
16 gas system planning and reliability for Central  
17 Hudson in this case?

18 A. We address the following topics: gas supply and  
19 the Company's ability to serve its firm  
20 customers on a peak design day; gas planning  
21 modifications; gas projects/programs associated  
22 with system reliability; the Company's approach  
23 to optional alternatives to traditional gas  
24 investment, including NPAs; differentiated gas;

1 and allocation of capacity between sales  
2 customers and retail access marketers.

3 Q. Do you rely on any information produced during  
4 the discovery phase of this proceeding?

5 A. Yes. We rely on responses to numerous Staff  
6 information requests, referred to as IRs. These  
7 responses are included in Exhibit\_\_(SGSPRP-1).  
8 We will refer to these IR responses by the  
9 designation given to them by the Department, for  
10 example, DPS-516.

11 Q. Are you sponsoring any other exhibits?

12 A. No, we are not.

13 Q. What is the "Rate Year" in these proceedings?

14 A. The Rate Year is the 12-month period ending  
15 June 30, 2026.

16 **Design Day Demand and Supply**

17 Q. Please describe how the Company procures gas  
18 supply for its service territory.

19 A. As discussed in the Company's Electric and Gas  
20 Procurement Panel initial testimony, starting on  
21 page 7, Central Hudson utilizes a combination of  
22 multiple pipeline suppliers, which deliver  
23 natural gas to its four city gates where the gas  
24 is brought into its service territory, to serve

1 its firm customer demands throughout the year.

2 The Company also uses a physical storage option  
3 for its gas supply.

4 Q. Please explain this physical storage option.

5 A. During the summer months, Central Hudson's  
6 contracted gas volumes are higher than what it  
7 needs to fill the base load requirements on the  
8 system. At that time, Central Hudson places gas  
9 into storage. Central Hudson can withdraw the  
10 stored gas during the winter months when the  
11 demand increases. This physical storage acts as  
12 a physical hedge which is designed to dampen  
13 price volatility and is a common practice  
14 throughout New York gas utilities.

15 Q. How does the Company determine how much gas  
16 supply it requires for its service territory?

17 A. The Company forecasts firm sales gas demand on  
18 its system every day throughout the year and  
19 contracts for gas supply to meet that forecasted  
20 demand. While the non-heating portion of that  
21 demand does not fluctuate to a great degree  
22 throughout the year, the winter months include a  
23 particularly high demand heating component that  
24 can vary greatly over that period depending on

1 the temperature.

2 Q. Please explain the concept of a design day.

3 A. A design day is a forecast of peak customer  
4 demand on a day when a gas utility system  
5 experiences its historically coldest average  
6 temperature.

7 Q. What do you mean by "average temperature."

8 A. In the context of a design day, the average  
9 temperature is the average of the day's low and  
10 high temperatures.

11 Q. What average temperature does Central Hudson use  
12 for its design day?

13 A. Central Hudson uses negative eight degrees  
14 Fahrenheit as its design day, which was the  
15 coldest day experienced by the Company in the  
16 last 50 years. This information is part of  
17 Company's Winter Supply Review response to  
18 question 2, filed on July 15, 2024 in Case 24-M-  
19 0205. While this phenomenon occurs very  
20 infrequently, it is the customer demand on this  
21 design day for which Central Hudson plans.

22 Q. If the design day occurs very infrequently, why  
23 use it for planning purposes?

24 A. Although experienced infrequently, a design day



1 is based on historical conditions that have  
2 occurred in Central Hudson's service territory,  
3 and thus can be expected to occur again. As  
4 temperature decreases, the demand on the system  
5 increases. When there is more customer demand  
6 for heating, the pressure decreases in that  
7 segment of pipe. If the pressure drops too far,  
8 customers may not receive the minimum amount of  
9 pressure required to run their heating equipment  
10 or other gas appliances. The result could be  
11 the inability to serve the necessary load, or  
12 worse, total loss of service. If customers lose  
13 gas service it creates a safety hazard. Unlike  
14 electric service, which can be restored  
15 relatively quickly, the potential safety hazard  
16 following a gas outage requires a time-consuming  
17 process whereby Central Hudson must check each  
18 customer's gas appliances before restoring  
19 service. Central Hudson likely would have to  
20 conduct this slow restoration process during  
21 very cold weather, further exacerbating the risk  
22 to both public safety and property damage. For  
23 example, water pipes could freeze while  
24 buildings are without heat.

1 Q. Are you familiar with the ongoing review of  
2 Central Hudson's gas system long-term plan, or  
3 LTP, in Case 23-G-0676.

4 A. Yes. In that case Central Hudson filed its  
5 initial LTP and two versions of its revised LTP.  
6 Staff selected PA Consulting, referred to as PA,  
7 to assist and provide its expertise in reviewing  
8 Central Hudson's filings. PA, Staff, and  
9 Central Hudson have executed a contract pursuant  
10 to which PA works at the direction of Staff with  
11 its costs paid by Central Hudson. Thus far, PA  
12 has submitted an initial and a preliminary  
13 report of Central Hudson's filings.

14 Q. What did those reports indicate regarding the  
15 Central Hudson gas system?

16 A. PA filed its "Initial Report" regarding Central  
17 Hudson's initial LTP in Case 23-G-0676 on  
18 April 5, 2024 and its "Preliminary Findings  
19 Report" regarding Central Hudson's second  
20 version of its revised LTP in Case 23-G-0676 on  
21 October 9, 2024. Those reports both showed that  
22 the Company's city gates are capable of meeting  
23 demand on a design day and that if demand grows  
24 as forecast in the near term, there is no

1           indication that the Company would need  
2           additional investments at its city gates to  
3           accommodate the projected load growth. PA also  
4           stated in its Preliminary Findings Report that  
5           during its review it identified parts of the  
6           Central Hudson gas system that are either  
7           approaching or exceeding the ability to meet  
8           demand on a design day.

9    Q.   Did you review the Company's system modeling and  
10       how it determines where in its system, i.e., on  
11       Central Hudson's side of its city gates, the  
12       Company experiences pressure concerns under  
13       design day conditions?

14   A.   Yes. As part of our review of the rate filing,  
15       we met with the Company to review its hydraulic  
16       modeling of the gas distribution system. The  
17       Company performs modeling for its entire system.  
18       The Company has approximately 80 individual  
19       systems, which to avoid confusion, we will refer  
20       to as segments, within its service territory, or  
21       its entire system. During this review we looked  
22       at various segments of Central Hudson's gas  
23       distribution system. When stressed at design  
24       conditions, the modeling indicated that most of

1 the system would continue to reliability meet  
2 customer demand. However, for a few segments,  
3 Central Hudson's modeling showed drops in  
4 pressure to the degree that indicated a need for  
5 further evaluation.

6 Q. What were those areas of concern?

7 A. In the response to DPS-516, Central Hudson  
8 identified the following segments with potential  
9 pressure concerns: Hopewell Hughsonville,  
10 Highland Mills, Kingston Saugerties,  
11 Poughkeepsie Newburgh and Titusville Pleasant  
12 Valley.

13 Q. How did PA define when a segment would become a  
14 concern?

15 A. PA looked at both the maximum capacity and  
16 Maximum Allowable Operating Pressure, or MAOP,  
17 on the segments of the Central Hudson  
18 distribution system under design conditions. PA  
19 highlighted those segments of the system that  
20 indicated maximum capacity reaching 90 percent  
21 and/or pressure drops below 50 percent MAOP.

22 Q. Did the areas of concern identified by PA match  
23 the results of the hydraulic modeling that you  
24 reviewed with the Company?

1 A. Yes, they did.

2 Q. Did the Company address these areas of concern  
3 in its rate filing?

4 A. Yes. The Company included several capital  
5 projects that will reinforce the gas system and  
6 improve distribution pressures during design day  
7 conditions. In the Rate Year these include the  
8 Poughkeepsie Receival Mahopac-Poughkeepsie /  
9 Tuxedo-Poughkeepsie MP-TP interconnect project,  
10 which addresses a primary source of gas capacity  
11 for the Poughkeepsie Newburgh distribution  
12 system. Central Hudson also proposes the TP  
13 line segment replacement projects in its capital  
14 budget for the Rate Year and beyond. The TP  
15 line segment replacement projects are necessary  
16 to comply with 49 CFR 192.624, which is the MAOP  
17 requirements. We will discuss these and other  
18 projects in more detail later in our testimony.

19 Q. Based on your review, is the Company prepared to  
20 meet future heating season demand and design day  
21 requirements?

22 A. For the next few years our review indicates that  
23 the Company will be able to meet customer demand  
24 if it continues to reinforce its gas system.

1           However, as indicated by both the PA assessment  
2           and our review, the modeling suggests that  
3           without reinforcement, in some segments of the  
4           gas system such as in Hopewell Hughsonville,  
5           Highland Mills, Kingston Saugerties,  
6           Poughkeepsie Newburgh and Titusville Pleasant  
7           Valley, Central Hudson may not be able to  
8           reliably serve all its firm customers in those  
9           areas during a design day. For those segments  
10          on which Central Hudson forecasts pressure  
11          concerns beyond the next couple of years, we  
12          recommend that the Commission require the  
13          Company to continue to look at ways to ensure  
14          the reliability of the gas system and avoid  
15          potential customer outages using both  
16          traditional and non-traditional options,  
17          including NPAs.

18   Q.    Are there additional concerns regarding the LTP?

19   A.    We learned during the LTP proceeding that  
20          Central Hudson provided a demand model using a  
21          technique that produced inaccurate results.  
22          After PA performed its analysis it inquired  
23          about potential errors in the modeling, which  
24          led to the Company's consultant doing additional

1 work to correct errors. DPS-695 asked for  
2 information on this issue. The Company  
3 responded to the questions posed while also  
4 objecting to the assertions in the questions.

5 Q. What did PA have to do because of these modeling  
6 errors?

7 A. PA was required to duplicate its review of the  
8 new model and substantially revise its then-  
9 draft of its "Preliminary Findings Report" to  
10 account for the changes.

11 Q. Did this situation lead to any potential  
12 increases in costs for the LTP proceeding?

13 A. Yes. On October 9, 2024, PA, Central Hudson and  
14 the Department filed a modification to the  
15 three-way contract between them in Case 23-G-  
16 0676. That modification increased the limit on  
17 professional fees PA can charge from \$470,000 to  
18 \$578,652, thus increasing the maximum costs of  
19 PA's engagement by \$108,652.

20 Q. Do we know the total cost of PA's work on  
21 regarding Case 23-G-0676?

22 A. No. The review of Central Hudson's LTP in that  
23 case is ongoing, and PA has more work to  
24 complete before its engagement ends.

1 Q. How would Central Hudson recover the costs PA  
2 charges to it?

3 A. Pursuant to page 27 of the Commission's Order  
4 Adopting Gas System Planning Process, issued on  
5 May 12, 2022, in 20-G-0131, the Commission  
6 authorized utilities to defer costs associated  
7 with the consultant performing PA's role with  
8 recovery to be addressed in future rate cases.

9 Q. Should the Commission allow Central Hudson to  
10 recover from customers any incremental costs  
11 resulting from the additional work PA had to do  
12 as a result of the modeling errors in Central  
13 Hudson's LTP?

14 A. No. Staff recommends that the Commission not  
15 allow the Company to recover such costs from its  
16 customers.

17 **System Reliability Projects and Programs**

18 Q. What portions of Central Hudson's gas capital  
19 budget did you review?

20 A. We reviewed Central Hudson's system reliability  
21 gas capital projects. Most of the system  
22 reliability projects are a continuation of what  
23 Central Hudson requested, and what was  
24 ultimately included in the Commission's 2024



1 Rate Order adopted on July 18, 2024, in Case 23-  
2 G-0419. They include the Poughkeepsie Receiving  
3 MP/TP Interconnect, which is an important  
4 project that allows the Company to supply the  
5 Poughkeepsie Regulator Station from multiple  
6 sources allowing for improved reliability in  
7 that region. The TP Line segment replacement  
8 projects were included in the capital  
9 expenditure budget adopted by the 2024 Rate  
10 Order and are needed for compliance with 49 CFR  
11 192.624 requirements, which are federal  
12 regulations on minimum operating pressures of  
13 pipe. The Highland Falls Reinforcement project  
14 was also included in the capital expenditure  
15 budget adopted by the 2024 Rate Order and  
16 remains in the capital budget Central Hudson  
17 presented in the current rate filing. This  
18 project is needed to provide Highland Falls with  
19 a secondary supply source that will mitigate  
20 risk of firm customer curtailments and improve  
21 reliability to that region. The Regulator  
22 Station rebuild projects, Regulator Station  
23 Coating program and River/Creek Crossing  
24 Reinforcement project are also projects included

1 in the capital budget in the 2024 Rate Order.  
2 Central Hudson has proposed to continue them in  
3 these proceedings and they remain important  
4 projects to maintain system reliability. The  
5 regulator stations are older facilities which  
6 need to be rebuilt to prevent customers from  
7 losing gas service. The recoating project will  
8 maintain the integrity of those structures that  
9 are not in an urgent state of disrepair. For  
10 the water crossings, the pipes that run through  
11 those waterways can be exposed to damage during  
12 extreme weather events, which could lead to  
13 leaks and customers being shut off from gas  
14 service until a repair is made. We support each  
15 of these projects due to their importance in  
16 maintaining reliability and defer to the Staff  
17 Net Plant and Gas Infrastructure Panel for any  
18 modifications to cost estimates associated with  
19 those projects.

20 Q. Does the Company propose any new reliability  
21 projects in these proceedings that the Panel  
22 reviewed?

23 A. Yes. Central Hudson proposes six new regulator  
24 station rebuild projects in the five-year

1 capital budget it presented as part of these  
2 proceedings. Central Hudson proposes to  
3 complete only one of those rebuild projects,  
4 Monument Square Regulator Station, in the Rate  
5 Year. The Company proposes to complete the  
6 other five in the outer years of the capital  
7 plan. We support these projects due to the age  
8 and condition of the regulator stations, and  
9 their importance for maintaining system  
10 reliability.

11 **Non-Pipe Alternatives**

12 Q. What are NPAs?

13 A. NPAs represent opportunities to defer or avoid  
14 otherwise necessary traditional capital  
15 investments with alternative solutions,  
16 potentially resulting in cost savings and/or  
17 environmental benefits while maintaining gas  
18 system safety and reliability. An NPA is a  
19 strategy that, if successful, addresses a system  
20 need with an alternative that provides greater  
21 societal benefits to customers while deferring,  
22 reducing, or eliminating the need to construct  
23 new, or upgrade existing gas infrastructure.  
24 For example, in the context of avoiding capital

1 investments to replace leak-prone pipe, an NPA  
2 could include converting natural gas customers  
3 served from a segment of leak-prone pipe to  
4 other sources of energy, particularly  
5 electricity, for their heating and appliance  
6 needs. This would allow Central Hudson to  
7 permanently retire segments of leak-prone pipe  
8 without replacing them. The implementation of  
9 NPAs is one action gas utilities are taking to  
10 support New York State's climate goals.

11 Q. Describe the Company's use of NPAs to date.

12 A. Per the initial Testimony of the Climate  
13 Leadership and Sustainability Panel, page 28,  
14 Central Hudson has pursued NPAs in accordance  
15 with the rate plans adopted by the Commission on  
16 June 14, 2018, in Case 17-G-0460, and on  
17 November 18, 2021, in Case 20-G-0429. These  
18 projects have concentrated on leak-prone pipe  
19 elimination projects like the one we just  
20 described. On page 27 of Climate Leadership and  
21 Sustainability Panel's initial testimony, the  
22 Company states that as of March 31, 2024,  
23 Central Hudson has completed five NPA projects  
24 in Newburgh, Beacon, Fishkill, Poughkeepsie, and

1 Cornwall-on-Hudson. Through these efforts,  
2 Central Hudson has fully electrified 10 homes  
3 and retired, rather than replaced, 2,139 feet of  
4 leak-prone pipe. The Company states that it is  
5 currently reviewing additional locations,  
6 including some projects that are in various  
7 stages of customer recruitment and  
8 implementation. Further the Company states it  
9 continues to bring forward new opportunities  
10 through its gas project planning. According to  
11 the response to DPS-501, the Company explains  
12 that despite its efforts, it has only a few  
13 projects in the planning phase for conversion  
14 from natural gas. These projects would allow  
15 the Company to retire leak-prone pipe or  
16 eliminate transmission services.

17 Q. Did the Company indicate any barriers to  
18 successful NPA deployment?

19 A Yes. The Company states in its response to DPS-  
20 501 that some of the barriers to NPAs seeking to  
21 convert customers from gas to electric heating  
22 and other appliances include customers' choosing  
23 to keep their gas service, as well as older  
24 building stock, which can require work to

1 accommodate successful conversion from gas  
2 heating with costs beyond what the Company can  
3 provide as part of the NPA program.

4 Q. Does Central Hudson propose any changes to its  
5 NPA program?

6 A. No, it does not. The Company proposes to  
7 continue the implementation of its NPA program  
8 as established in Case 17-G-0460 and continued  
9 in Cases 20-G-0429 and 23-G-0419, including the  
10 NPA Incentive Mechanism and revenue requirement  
11 deferral mechanisms described therein. These  
12 mechanisms are further discussed in the  
13 August 10, 2022, Joint Local Distribution  
14 Companies' filing to the Commission for  
15 Incentive Mechanisms and Cost Recovery in Case  
16 20-G-0131.

17 Q. Are there any expenditures included in the  
18 capital budget associated with the NPA program?

19 A. No, there are not.

20 Q. What is this Panel's position on the Company's  
21 progress in implementing NPAs within its service  
22 territory?

23 A. Although the Company's NPAs have experienced  
24 slow customer adoption rates to date, we support

1 the Company's current initiatives and its  
2 progress with NPA implementation. However, we  
3 recommend the Commission require that Central  
4 Hudson evaluate the potential for NPAs to  
5 address segments on its system for which  
6 modeling identifies emerging pressure concerns  
7 under design day conditions. We also recommend  
8 that the Commission direct Central Hudson to  
9 undertake an outreach effort in the communities  
10 impacted by the anticipated pressure issues  
11 describing alternatives to gas service.  
12 Successful NPAs could delay or eliminate the  
13 need for traditional investments to address the  
14 pressure concerns for one or more of these  
15 segments.

16 Q. What other capital investments could the Company  
17 address through use of NPAs?

18 A. We also recommend that the Commission require  
19 the Company to evaluate NPAs to forestall  
20 traditional capital investments to address  
21 transmission services, or Farm Taps, and leak-  
22 prone services. These service lines present  
23 safety and reliability concerns and offer  
24 excellent opportunities for Central Hudson to

1 address those concerns through NPAs.

2 Q. What is a transmission service?

3 A. A transmission service, also known as a Farm  
4 Tap, is gas service supplied directly from a  
5 transmission pipeline, which is a pipeline  
6 operating at a pressure in excess of 125 psig.  
7 These services contain an above grade regulator  
8 set with two stage regulation to reduce the  
9 pressure for safe delivery to the customer. In  
10 comparison, a traditional service only requires  
11 a single stage pressure regulator from a lower  
12 pressure distribution main.

13 Q. What does the Company propose regarding  
14 transmission services?

15 A. Central Hudson proposes a Transmission Service  
16 Elimination Program. Central Hudson currently  
17 has 156 transmission services on its system, per  
18 the initial Testimony of Gas Capital and  
19 Operations Panel on page 38. Central Hudson  
20 would eliminate many of the transmission  
21 services on its system by installing  
22 distribution main and service piping and  
23 supplying the customer from the distribution  
24 system, or in some cases offering the customer



1 an NPA solution. Central Hudson plans to  
2 eliminate 10 transmission services in 2025, 12  
3 services in 2026, and 17 services in 2027, per  
4 its response to DPS-386. Central Hudson plans  
5 to prioritize the elimination of transmission  
6 services based on its assessment of the risk  
7 posed by the current configuration and the cost  
8 to eliminate. For example, to reduce risk, the  
9 Company prioritizes services that have the  
10 transmission pressure reduction equipment  
11 located at the building wall or near other  
12 occupied structures.

13 Q. Describe why the Company aims to reduce the  
14 number of transmission services.

15 A. Each transmission service carries with it a  
16 higher risk than that of supplying gas from a  
17 distribution main. In the event of pressure  
18 regulation equipment failure or damage, which is  
19 more likely due their above-grade nature, there  
20 is higher risk of a catastrophic event involving  
21 gas venting near a structure intended for human  
22 occupancy due to the higher potential volume of  
23 gas that could be released from a transmission  
24 service compared to a gas service supplied from

1 a distribution main. Additionally, the required  
2 pressure reduction for the service line creates  
3 freezing temperatures on the regulators, which  
4 can result in the regulator icing over during  
5 winter temperatures, increasing the risk for  
6 failure. Finally, pipe operated at pressures  
7 above 125 psig must be made of steel, which  
8 requires extra maintenance and care to mitigate  
9 corrosion. Central Hudson can safely construct  
10 and operate lower pressure systems with plastic  
11 piping without this extra maintenance expense.

12 Q. What is the Leak Prone Services program?

13 A. Central Hudson describes the Leak-Prone Services  
14 Program as a service replacement program that  
15 focuses on services that are considered leak-  
16 prone pipe but are not included within the  
17 Company's Leak-Prone Pipe Elimination Program,  
18 which is discussed in initial testimony of the  
19 Company's Gas Capital and Operations Panel  
20 starting on page 29. Although these services  
21 would typically be replaced during a leak  
22 repair, under this program the Company would  
23 proactively address leak-prone services before a  
24 potentially hazardous situation arises.

1 Q. Would the Company consider an NPA prior to  
2 replacing a customer's service under this  
3 program?

4 A. Yes. However, in response to DPS-501, the  
5 Company states that in considering NPAs,  
6 properties within 100 feet of a neighboring main  
7 "should not undergo electrification."

8 Q. Why does the Company propose to exclude  
9 customers within 100 feet of a neighboring main  
10 from NPA evaluations?

11 A. During our review of the rate filing, the  
12 Company informed us that from past  
13 electrification efforts, including when a  
14 customer is within 100 feet of main and they  
15 become an NPA candidate, the Company may  
16 progress with the electrification process at no  
17 cost to the customer, however, that customer may  
18 choose to retain its gas service and not  
19 ultimately decide to electrify.

20 Q. Does the Panel have concerns with this  
21 methodology?

22 A. Yes. This suggests that there are customers  
23 that fall within 100 feet of an existing gas  
24 main, predominantly those in urban areas, that

1 Central Hudson would not consider for  
2 electrification opportunities.

3 Q. Does the Panel have recommendations regarding  
4 NPA opportunities for the aforementioned  
5 programs?

6 A. Yes. In instances where Central Hudson is  
7 addressing customers who are either utilizing a  
8 transmission service line or a leak-prone  
9 service line to be eliminated by a Company  
10 program, we recommend that the Commission  
11 require that the Company, at minimum, reach out  
12 to the customer and provide educational  
13 materials on the benefits of alternative energy  
14 sources such as electrification as well as any  
15 state or federal government programs that may be  
16 relevant in supporting the energy transition.  
17 This strategy would also help the Company  
18 navigate a barrier to the success of NPAs, which  
19 Central Hudson identified in DPS-501, stating  
20 "[t]he more customers involved in an NPA, the  
21 less likely that a project will achieve 100%  
22 customer participation". Additionally,  
23 commencing NPA evaluations on new construction  
24 would be a proactive strategy considering the

1 All-Electric Buildings Act, which requires  
2 changes to building codes regarding fossil fuel  
3 use in new buildings less than seven stories  
4 beginning in 2026.

5 Q. What is Differentiated Gas?

6 A. Differentiated Gas, also referred to in the  
7 industry as Certified Natural Gas or Responsibly  
8 Sourced Gas, is natural gas that has been  
9 documented as having been extracted and handled  
10 in a manner that reduces emissions intensity  
11 compared to traditional gas exploration and  
12 production processes. Although this was  
13 referred to as Responsibly Sourced Gas by the  
14 parties and the Commission in case 23-G-0419,  
15 for the remainder of this panel's testimony we  
16 will be referring to this emission intensity  
17 reducing gas certification as Differentiated  
18 Gas. The use of Differentiated Gas is a way for  
19 a gas utility to help reduce the climate impact  
20 of the energy it delivers to customers by  
21 reducing measurable emissions.

22 Q. Did the Company propose a plan for  
23 Differentiated Gas in this rate filing?

24 A. Central Hudson did not include any testimony

1           regarding Differentiated Gas in its rate filing.  
2           In response to DPS-519, the Company confirms  
3           that it intends to continue to pursue the  
4           purchase of Differentiated Gas, as authorized by  
5           the 2024 Rate Order, during the Rate Year at  
6           issue in these proceedings. The Company stated  
7           it would not exceed \$200,000 for such purchases  
8           in the Rate Year and would continue to report  
9           monthly on those purchases as required pursuant  
10          to the 2024 Rate Order.

11   Q.    What does the Panel recommend?

12   A.    We recommend that the Commission authorize the  
13          Company to continue purchasing Differentiated  
14          Gas at a level not to exceed \$200,000 in  
15          incremental supply cost in the Rate Year and in  
16          subsequent 12-month periods until changed by the  
17          Commission. Additionally, the Commission should  
18          require that any Differentiated Gas Central  
19          Hudson purchases meet the highest certification  
20          standards available. Specifically, the  
21          Commission should direct Central Hudson to limit  
22          its purchases of RSG to those certified as  
23          having an MiQ Grade A rating, Oil and Gas  
24          Methane Partnership 2.0 Level 5 rating, or

1 Project Canary Trustwell Platinum rating.  
2 Moreover, the Commission should require Central  
3 Hudson to send requests for proposals to pre-  
4 approved gas producers and marketers and  
5 purchase volumes from suppliers based on a set  
6 of factors that include location, quantity,  
7 methane intensity, and price.

8 Q. Should the Commission require Central Hudson to  
9 provide reports regarding its purchases of  
10 Differentiated Gas?

11 A. Yes. We recommend that the Commission require  
12 the Company to file monthly reports to the  
13 Secretary providing the details of its purchases  
14 of Differentiated Gas, including the name of the  
15 certifier, volume of certified gas purchased,  
16 methane intensity of certified gas and cost per  
17 unit along with the steps it undertakes when  
18 making those decisions. This will ensure that  
19 Staff can properly track, monitor, and learn  
20 from Central Hudson's use of Differentiated Gas.  
21 Since the use of Differentiated Gas is nascent  
22 and requires further consideration to assess its  
23 costs and benefits, it is important to ensure  
24 Central Hudson, and other utilities, provide

1           useful information regarding their use of  
2           Differentiated Gas.

3   **Pipeline Capacity**

4   Q.   Explain the term "capacity" when referring to  
5           the gas system.

6   A.   Capacity is the space reserved on a gas pipe by  
7           an entity which allows it to flow supply up to  
8           that amount of space on that pipe at a point in  
9           time. Gas utilities reserve the capacity on  
10          pipelines that feed into their city gates for  
11          their sales customers. They can also do the  
12          same for transportation customers who may not  
13          always have the capacity reserved for them by  
14          their providers. When the utility reserves the  
15          capacity for any of these customers the utility  
16          charges the customers for the cost of that  
17          capacity.

18   Q.   How does the utility collect the cost of the  
19          capacity from customers?

20   A.   Gas utilities include this cost as part of their  
21          overall cost of gas. Central Hudson collects  
22          its cost of gas through its gas supply charge,  
23          or GSC, and not part of its base delivery rates.

24   Q.   Does Central Hudson charge the same rate to both



1 its sales and transportation customers for the  
2 cost of capacity?

3 A. According to its response to DPS-509, during the  
4 last 36 months the Company's sales and  
5 transportation customers have been paying  
6 different rates for capacity.

7 Q. Why are the Company's sales and transportation  
8 customers paying different rates?

9 A. The Company explains that the cost is dictated  
10 by the tariff. Leaf 115 of the tariff provides  
11 that the Company calculates its weighted average  
12 cost of capacity, WACOC, each month and assigns  
13 the April rate to both its sales and retail  
14 access customers. For retail access customers,  
15 which are transportation customers, this rate  
16 remains the same for 12 months, unless the  
17 monthly WACOC varies by more than five percent.  
18 For sales customers, the rate varies monthly.  
19 This mechanism, as described on Leaf 115 of the  
20 Company's gas tariff with an initial effective  
21 date of November 1, 2012, was issued in  
22 compliance with a March 19, 2012, Commission  
23 Order on the Retail Access Program in Case 11-G-  
24 0697.

1 Q. Does there appear to be an inequity between  
2 sales and retail access, or transportation,  
3 customers?

4 A. Yes.

5 Q. Does the Panel agree that these customers should  
6 be paying different amounts for capacity?

7 A. No. While the weighted average cost of capacity  
8 is used to calculate the rate being charge to  
9 both sets of customers every April, it does not  
10 appear equitable when one group of customers  
11 will remain at that April rate for 12 months and  
12 another is paying a different amount every  
13 month.

14 Q. What does the Panel recommend?

15 A. We recommend Central Hudson should either  
16 demonstrate in rebuttal there is not an inequity  
17 under the current approach, or, if one exists,  
18 propose a change to the methodology in the  
19 tariff to align the calculation for both sales  
20 and transportation customers to eliminate the  
21 inequity.

22 Q. On which pipeline paths is capacity released to  
23 Retail Suppliers as part of the Company's Retail  
24 Access Program?

1 A. According to the Company's Gas Transportation  
2 and Operating Procedures manual, Central Hudson  
3 releases capacity to Retail Suppliers on two  
4 pipelines, Tennessee and Columbia, that supply  
5 gas to the Company's service area.

6 Q. Do additional pipelines feed into the Central  
7 Hudson service territory on which the Company  
8 purchases capacity?

9 A. Yes. In addition to Tennessee and Columbia, the  
10 Company also purchases capacity on Iroquois,  
11 Algonquin and Millennium pipelines.

12 Q. Does the Company explain in its filing why the  
13 Retail Access Program only includes releases of  
14 capacity on two of the five gas pipelines versus  
15 the Company holding capacity for its sales  
16 customers on all of the five pipelines?

17 A. The Company did not include this issue in the  
18 filing.

19 Q. What does the panel recommend?

20 A. We recommend Central Hudson should demonstrate  
21 in rebuttal why there is a difference in the  
22 capacity being applied to the two sets of  
23 customers and how they would suggest this  
24 inequity of capacity be eliminated.

1 Q. Does this conclude your testimony at this time?

2 A. Yes.

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