

BEFORE THE  
STATE OF NEW YORK  
PUBLIC SERVICE COMMISSION

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In the Matter of  
Natural Gas Pipelines to serve Dunkirk Generating Facility  
Cases 14-T-0360 and 14-T-0458  
December 2014

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Prepared Testimony of:  
Cost/Bypass Panel  
Thomas Hughes, Michael Sommer  
and Ronald Bevacqua, Jr. on  
Behalf of Dunkirk Gas Corporation

Dated: December 19, 2014

1 Q. Please state your full name, employer, and business address.

2 A. We are Michael Sommer, Thomas Hughes, and Ronald Bevacqua, Jr. Mr.

3 Hughes's business address is Thomas R. Hughes & Associates, Inc., 9

4 Buxton Lane, Riverside, CT 06878. Mr. Bevacqua's business address is 9

5 Freezer Rd, Sandwich, MA 02563.

6 Q. Mr. Sommer, have you previously testified in this proceeding?

7 A. Yes.

8 Q. Mr. Hughes, in what capacity are you employed?

9 A. I am a consultant to—and testifying on behalf of—Dunkirk Gas

10 Corporation (“DGC”) on the matter of the PSC’s Gas Bypass Policy.

11 Q. Please summarize your educational background and professional

12 experience.

13 A. I hold a Bachelor of Science Degree in Mechanical Engineering from the

14 University of Massachusetts and have been employed in the natural gas

15 industry for over 50 years. I have worked for 40 years as a consultant to

16 the natural gas industry. Additionally, I served on the Staffs of the Federal

17 Power Commission (“FPC”)—predecessor to the Federal Energy

18 Regulatory Commission (“FERC”)—and the New York Public Service

19 Commission (“Commission”) for a combined total of eleven years. I have

20 testified on natural gas rates, tariffs, markets, and related matters before

21 FERC (including predecessor FPC), this Commission, the National Energy

1 Board of Canada, several state and Canadian provincial regulatory  
2 authorities, and federal courts. I was Chief of Natural Gas Systems  
3 Planning for the Commission and a senior regulatory engineer in the  
4 Bureau of Natural Gas at the FPC.

5 Q. Mr. Bevacqua, in what capacity are you employed?

6 A. I am Project manager for the engineering and construction aspects of the  
7 Dunkirk Natural Gas Pipeline.

8 Q. Please summarize your educational background and professional  
9 experience.

10 A. I hold a Bachelor of Science Degree in Mechanical Engineering  
11 Technology, Northeastern University, 1991. I have over 20 years of  
12 experience in power generation, and 3 years of experience in natural gas  
13 distribution system design.

14 Q. What is the purpose of your testimony?

15 A. The purpose of this testimony is to address the filing requirement of the  
16 Ruling Modifying Schedule, issued November 21, 2014, directing DGC to  
17 file its cost information, and to satisfy the agreement reached during a  
18 telephone conference with Judge Van Ort and the parties to submit certain  
19 price offers by National Fuel Gas Corporation (“NFG”) and DGC. This  
20 testimony also addresses certain statements made in the testimony of the  
21 Department of Public Service Staff’s Gas Policy and Safety Panel direct

1 testimony (“Staff Policy Panel”) and the direct testimony of John J. Polka  
2 on behalf of NFG (“Polka Direct”), filed on December 2, 2014.  
3 Specifically, we will address the Public Service Commission’s Gas Bypass  
4 Policy and its application to the facts in these proceedings. As to the  
5 aforementioned cost information, we are presenting DGC’s Exhibit 9, the  
6 results of the request for proposals (“RFP”) conducted on behalf of DGC,  
7 as well as the last offers made between DGC and NFG to provide gas  
8 transportation service to the Dunkirk Generating Station. Finally, this  
9 testimony will introduce the various evidence required by the Bypass  
10 Policy.

11 Q. Are you sponsoring any exhibits?

12 A. Yes. The following exhibits support our testimony:

- 13 • Exhibit \_\_\_\_\_, Cost / Bypass Panel (CBP)-1 Exhibit 9 Cost of  
14 Proposed Facilities, which was previously submitted in redacted  
15 form;
- 16 • Exhibit \_\_\_\_\_, Cost / Bypass Panel (CBP)-2 Interrogatory  
17 Response DGC-1;

18 Q. Mr. Bevacqua, can you describe the contents of Exhibit \_\_\_\_\_, CBP-1?

19 A. Exhibit \_\_\_\_\_, CBP-1 contains estimates of costs to build the DGC  
20 pipeline on its proposed route that were prepared by DGC.

21 Q. Please describe the capital costs estimated by NFG for the proposed

1 Dunkirk line.

2 A. In its submitted bid in response to the Dunkirk RFP, NFG proposed a  
3 capital cost of \$40,149,000 to build the DGC pipeline on the DGC route.

4 Q. How do the NFG cost estimates compare to the other bids received in  
5 response to the RFP?

6 A. DGC received a number of bids in the RFP. Two bids were received for  
7 the “build, own, operate” option, including NFG. Five bids were received  
8 for the “construction only” RFP. The capital costs received in response to  
9 the RFP range from \$40 to \$47 million; the bids have not been fully  
10 evaluated or negotiated, but, based on the responses, the capital cost bid  
11 by NFG appear reasonable.

12 Q. As to variable costs, what are DGC’s estimated variable costs if it owned  
13 and operated the DGC pipeline?

14 A. DGC variable costs would be for balancing services. We estimate these  
15 charges at \$0.10/MMBtu on 100% of the gas consumed or \$600,000  
16 annually assuming 6.0 bcf annual consumption. No other variable charges  
17 would be incurred.

18 Q. How do those variable costs compare to the variable charges NFG  
19 Distribution and Supply have said they would assess if they owned and  
20 operated the Dunkirk or NFG pipelines?

21 A. Based on annual fuel consumption of 6.0 bcf and a fuel price of

1 \$4.00/MMBtu, the variable charges for NFG Distribution and NFG

2 Supply are determined as follows:

3		<u>Rate</u>	<u>Annual</u>
4	<u>Cost</u>		
5	Variable Transportation Charge, NFGDC	\$0.05/MMBtu	\$300,000
6	Variable Transportation Charge, NFGSC	0.10/MMBtu	\$600,000
7	Fuel Retention Charge, NFGDC	1.0%	\$240,000
8	Fuel Retention Charge, NFGSC	1.0%	\$240,000
9	Balancing Charge, NFGDC (20% of vol)	\$0.15/MMBtu	\$180,000
10	Additional Balancing (Note 1)(100% of vol)	\$0.05/MMBtu	\$300,000
11	Note 1 – Because NFGDC balancing services are interruptible Dunkirk		
12	will need to procure additional balancing services		
13	Total Annual Charges		\$1,860,000

14 Q. Are there fixed charges for each project?

15 A. Yes. The fixed costs determined for DGC would cover routine operations  
 16 and maintenance activity and insurance. DGC estimated these costs at  
 17 \$400,000 annually based on the costs incurred at an affiliated gas pipeline  
 18 in New York State. The fixed costs charged from NFG are included in its  
 19 proposed demand charge; the demand charge amounts to \$4,675,320  
 20 annually. The NFG charges include a capital cost recovery component  
 21 whereas the DGC capital cost is part of the initial construction investment.

- 1 Q. The System Benefit Credit NFG proposes to apply to its capital cost  
2 estimate seems to offset the operating cost differential between the two  
3 projects shown above over the ten year period. Why is NFG ownership of  
4 the pipeline still more expensive than DGC ownership?
- 5 A. The combined demand charges and operating costs from NFG Distribution  
6 and Supply over 10 years total approximately \$64 million in nominal  
7 dollars. The total capital cost and operating costs for DGC would be  
8 approximately \$55 million. Furthermore, the gas addition project will  
9 have a contract for a 10-year term. At the end of that term, the pipeline,  
10 which has a typical useful life of 40 years, will have significant value, up  
11 to full replacement cost. In ten years the full replacement cost could be  
12 significantly higher than present day costs. A conservative estimate of the  
13 pipeline's worth would be its depreciated value. Therefore, if the initial  
14 cost is \$40 million, the depreciated value assuming a 40-year life would be  
15 \$30 million. DGC loses the residual value of the pipeline by foregoing  
16 ownership while NFG continues to collect revenues from the any  
17 continued power plant operation and any existing and new customers that  
18 are serviced from the line for the remaining life of the pipeline.
- 19 Q. What is the value of DGC's pipeline after ten years of operations,  
20 assuming the power plant discontinues operating?
- 21 A. Assuming DGC's pipeline is dedicated to the power plant, its value after

1 operating 10 years would range between its salvage and replacement  
2 value. If the power plant closes and neither NFG nor another prospective  
3 owner converts the pipeline to another use, the salvage value prevails. If  
4 NFG or another potential owner has an interest, the starting value from  
5 DCG's perspective would be the replacement cost. The prevailing market  
6 conditions, however, would set the value.

7 Q. How would the value be perceived if the power plant continues to operate?

8 A. If the line continues to serve the power plant—which seems probable  
9 given the existing infrastructure for power generation with a new gas  
10 supply and existing transmission interconnect—its value would be very  
11 high. The power plant and established and potential distribution markets  
12 likely would set DGC's pipeline value at its full replacement cost. DGC  
13 will lose this value while NFG will continue to enjoy the revenues from  
14 any continued operation of the power plant as well as existing and new  
15 customers on the pipeline. In addition, if the current configuration at the  
16 Dunkirk Generating Station is replaced with a combined cycle high  
17 capacity factor unit, both the gas consumption and, consequently, the  
18 residual value of the pipeline would increase.

19 Q. What is your conclusion as to whether Dunkirk's costs to build and operate its  
20 proposed line are more or less expensive than NFG's last offer to build, own, and  
21 operate either pipeline?



1 A. The combined fixed and variable costs to operate the DGC pipeline over  
 2 10 years is \$55 million for DGC and \$64 million for NFG. Therefore, the  
 3 cost of NFG ownership exceeds NRG ownership by \$9 million. In  
 4 addition, DGC forfeits the substantial residual value of the pipeline.  
 5 Therefore, the NFG offer is more expensive.

6 Q. What were the last best offers exchanged by NFG and DGC?

7 A. A summary of cost terms proposed by DGC and NFG are as follows.

	NFG (NFG Route)	NFG (DGC Route)	DGC
9			
10 Demand Charge	3.03/MDQ	3.33/MDQ	2.85/MDQ
11 Variable Trans	\$0.05	\$0.05	\$0.05
12 Fuel Retention	1%	1%	1%
13 Gross Receipts Tax	1.0101%	1.0101%	1.1010%
14 Min Annual Volume	5.5 bcf	5.5 bcf	4.0 bcf
15			
16 NFG Supply			
17 Variable Trans	\$0.10	\$0.10	\$0.10
18 Fuel Retention	1%	1%	1%

19

20 Note on Property Taxes – The County of Chautauqua Industrial  
 21 Development Agency (CCIDA) has stated that if the only offtaker of the

1 pipeline is Dunkirk Power LLC, the PILOT payments will not be  
2 affected. If, however, the pipeline serves any offtakers other than Dunkirk  
3 Power LLC, the CCIDA may collect additional payments from the  
4 pipeline owner and not Dunkirk Power LLC. These payment conditions  
5 will apply irrespective of the route or whether the pipeline is owned by an  
6 affiliate of Dunkirk Power LLC or any other entity, affiliated or  
7 unaffiliated.

8 Q. If NFG were to own the pipeline do you believe there are reasons to select  
9 one pipeline over the other?

10 A. Yes. The DGC pipeline has completed substantially more development,  
11 permitting, engineering, and ROW work than NFG. This certainty should  
12 reduce the risk of possible delays to the gas addition project as we have  
13 testified earlier. If NFG was able to reach the price point proposed by  
14 DGC, this would be the preferred route. DGC would of course work with  
15 NFG to facilitate the transfer of all approvals and provide whatever  
16 assistance NFG requires to understand the conditions and other  
17 requirements to which DGC has committed.

18 Q. Are there other reasons why the aforementioned discounts requested from  
19 the NFG proposed demand charges are justified?

20 A. Additional support for the proposed reduction in the Demand Charge DGC  
21 is requesting is also warranted to reflect what should be an increased

1 Bypass Avoidance System Benefit, as described below, as well as the  
2 correct allocation of certain NFG Distribution and Supply variable  
3 charges, also addressed below. Those charges represent the cost of  
4 providing a system benefit to NFG ratepayers, and should be allocated  
5 accordingly. Overall, these reductions should make costs associated with  
6 NFG's ownership of the pipeline competitive with what DGC could be  
7 able to achieve by building and operating the project.

8 Q. Mr. Hughes, are the respective descriptions advanced in the Staff Policy  
9 Panel and Polka Direct testimony of the Commission's Bypass Policy  
10 sufficiently complete?

11 A. No. The Commission's Bypass Policy is not completely presented in  
12 either the Polka or the Staff Policy Panel testimony. As explained below,  
13 application of the Bypass Policy allows Dunkirk to choose its gas  
14 transportation provider based on the most economical option. I will  
15 describe the Bypass Policy and then address the specific testimony of Staff  
16 and NFG.

17 Q. Please describe the Bypass Policy.

18 A. The Commission established its Gas Bypass Policy to create a level  
19 playing field for utilities to negotiate competitive rates for gas  
20 transportation service with "large volume customers" and thereby avoid  
21 uneconomic bypass. Uneconomic bypass, according to the Commission,

1 occurs “when the cost of the bypass service is lower than the price that  
2 could be charged by the LDC, but higher than the cost to the utility of  
3 providing similar service.” Case 90-G-0379, Proceeding on Motion of the  
4 Commission to Investigate the Impact of Bypass by Gas Cogeneration  
5 Projects, Statement of Policy Regarding By-Pass of Local Distribution  
6 Companies by Large Volume Users (issued March 6, 1991) at 2 n.1  
7 (“Bypass Policy”). Simply stated, uneconomic bypass occurs when a  
8 large volume end-user bypasses the facilities of an existing LDC, but pays  
9 more for the service than it would cost the LDC to provide it.

10 Q. Was the Bypass Policy developed to allow LDCs to offer lower  
11 transportation rates to high volume customers?

12 A. Yes. In its August 12, 1991, clarification of its Gas Bypass Policy, the  
13 Commission stated that the Bypass Policy was formulated “to permit  
14 LDCs to respond to a competitive situation, and does not apply where  
15 customers lack alternative opportunities.” The Bypass Policy is, therefore,  
16 meant to protect utilities from the possibility that their tariffs will prevent  
17 them from offering competitive terms to a large volume user. As the  
18 Bypass Policy states, “[c]ompetition arises where end-users contemplate  
19 constructing and operating their own transmission facilities to connect  
20 directly to pipelines. They must then compare the rates of the LDC and  
21 the costs of direct ownership and operations. Regulatory policies should

1           avoid unnecessarily impeding the LDCs’ ability to compete in this market,  
2           for they may often be able to provide transportation service that will  
3           attract cogenerators and large industrial customers while still benefitting  
4           the general body of ratepayers.” The Bypass Policy, therefore, allows the  
5           utility to offer such customers a lower rate, so long as that rate “not only  
6           recover[s] all incremental costs of service but also contribute[s] to overall  
7           system costs.”

8    Q.    Does the Bypass Policy place any requirements on the end-use customer?

9    A.    Yes. Users considering bypassing their local utility must engage in arms-  
10       length negotiation with the utility and afford the utility the opportunity to  
11       make a competitive offer of service. If the user and the utility cannot  
12       reach agreement though, the Policy does not require the user to take  
13       service under the utility’s tariff rates. Rather, both parties are permitted to  
14       present “fully developed competing proposals for the Commission’s  
15       evaluation.”

16   Q.    At page 9, Lines 2–10 of the Staff Policy Panel testimony, DPS states that  
17       it expects DGC and NFG to comply with the Commission’s policy  
18       statement requiring certain evidence to be presented by applicants and  
19       LDCs in Article VII proceedings. To what requirements is Staff referring?

20   A.    When presenting a proposal for the Commission’s evaluation, the Policy  
21       calls for the party applying for an Article VII certificate to construct and

1 operate gas transmission facilities to submit evidence on: (i) the cost of the  
2 proposed facilities; (ii) the adequacy of gas service to general customers in  
3 the vicinity of the proposed facilities; and (iii) environmental and  
4 economic costs associated with any duplication of existing facilities.

5 Significantly, a utility is allowed to challenge the applicant's evidence  
6 "only on the basis of evidence of its interest and ability to serve the  
7 bypassers' requirements." The purpose of such evidence is to develop a  
8 record adequate for the Commission to consider "the public benefit of  
9 [granting] a certificate." The utility's evidence should include all  
10 incremental costs of providing service over the term of a potential  
11 contract. In addition, a proposed bypasser should also present a plan for  
12 the development of general service in the vicinity of its proposed facility  
13 (by itself or in conjunction with a utility) or present evidence why such  
14 service should not be considered.

15 Q. Can you address each of the requirements stated above as they would  
16 apply to Dunkirk?

17 A. Yes. i) Based upon the cost information presented above, while the capital  
18 costs for both routes are comparable, the variable costs of DGC ownership  
19 are significantly lower on an annual basis. NFG's failure to consider the  
20 residual value of the pipeline, the lost opportunity revenues from serving  
21 the Dunkirk Generating Station, and NFG's failure to allocate variable

- 1 costs incurred to serve its distribution system assign too much cost to  
2 DGC. ii) The gas service to general customers in the vicinity of DGC’s  
3 proposal is safe and adequate, according to NFG. The Polka testimony,  
4 Page 3, Lines 10–12, describes current natural gas service to customers as  
5 “reliable, safe and adequate.” iii) There are no environmental or economic  
6 costs associated with any duplication of existing facilities in this case  
7 because there will be no such duplication. It is undisputed that NFG lacks  
8 existing facilities capable of serving the Dunkirk Generating Station.
- 9 Q. Does DGC have a plan for the development of general service in the  
10 vicinity of its proposed Project?
- 11 A. No. Based on the testimony of NFG, no such plan is necessary. Current  
12 service in the area is “reliable, safe and adequate.” According to NFG, if  
13 NFG were to own the Dunkirk pipeline, it would use it to provide a  
14 backfeed into the existing distribution system, and similar system benefits  
15 for its distribution system would be achieved on either route. See Exhibit  
16 \_\_\_\_\_, CBP-2. On the other hand, DGC is a single purpose entity, created  
17 to provide transportation service to its affiliate. As such, it has no interest  
18 in providing general residential and commercial service to the area,  
19 especially where such service already exists and is adequate according to  
20 NFG.
- 21 Q. Does the Bypass Policy offer any guidance on what rate the LDC should

1 be able to charge a potential bypasser?

2 **A.** Yes. The fundamental principle the Commission expressed is that LDCs  
3 should be allowed to negotiate lower rates as needed to allow them to  
4 effectively participate in competitive markets. These rates, at a minimum,  
5 should not only recover all incremental costs of service, but also  
6 contribute to overall system costs.

7 **Q.** Does the Bypass Policy describe how these costs should be calculated?

8 **A.** Yes. The Commission stated that while actual costs must be determined  
9 on a case-by-case basis, certain general principles should apply to those  
10 determinations. Specifically, current and future incremental operating and  
11 capital costs expected over the life of the contract should be taken into  
12 account. In addition, the costs of balancing service caused by the end-user  
13 must be recognized and estimated over the life of the contract. Finally, the  
14 Commission refused to adopt a floor contribution of \$0.10/dt, holding  
15 instead that a level of contribution to system costs should be decided case-  
16 by-case, fully taking into account any impacts or benefits of individual  
17 projects.

18 **Q.** Does the Bypass Policy address the issue of lost revenues by the LDC?

19 **A.** Yes. The Commission decided that the specific issue of lost revenues or  
20 lost opportunities would not be considered a cost to be assessed on a  
21 bypass project, but rather as part of a utility-proposed alternative. The



1 Commission clarified that capturing otherwise lost opportunities may  
2 serve to reduce the transportation rate that the utility should be able to  
3 offer a potential bypasser. See Bypass Policy at 17.

4 Q. In sum, how would you say the Bypass Policy applies to the proposed  
5 DGC project?

6 A. As the Commission stated, a bypass is only uneconomic if the cost of the  
7 bypass service is higher than the marginal cost to the LDC of providing  
8 the service, having taken into account all of the benefits that can be  
9 realized by the LDC. Otherwise, the bypass is economic. The  
10 Commission explicitly recognized that changes in the industry may  
11 sometimes make it more economic or feasible for end-users to bypass  
12 utility service, especially where a utility cannot or will not negotiate a  
13 competitive rate to provide service. Therefore, where the LDC cannot or  
14 does not offer a rate that is lower than what the bypasser is able to achieve  
15 on its own, the Bypass Policy reserves the right to bypass to the end-user.

16 Q. Are there specific sections of the Polka Direct Testimony you would like  
17 to address?

18 A. Yes. On page 6 of his testimony, Mr. Polka claims that “bypass” harms  
19 LDC customers in two ways, namely by depriving the LDC of revenues  
20 from the bypassed customer, and by lowering utilization of a system built  
21 for higher consumption.

1 Q. Do you agree with this assessment?

2 A. No. In the first instance, DGC's proposed bypass cannot lower utilization  
3 of NFG's existing system because that system was not built to, and is not  
4 in fact capable of, serving the Generating Station. Second, while NFG  
5 identifies lost revenues as a harm of bypass, it fails to identify and include  
6 lost revenues from serving the Generating Station in its system benefits  
7 analysis. NFG has identified \$11 million in system benefits, which should  
8 be offered to the Dunkirk Generating station as a credit. That benefit  
9 consists of \$7.5 million of replacement cost avoidance, \$3.0 million  
10 gained from access to contracted capacity on NFG Supply and TGP, and  
11 \$0.5 Million in system bypass avoidance. The system bypass avoidance  
12 benefit in turn consists of revenues from several large manufacturing  
13 facilities located along the Project route, which NFG believes would be  
14 able to be served by DGC at lower cost. According to NFG, this analysis  
15 does not include the substantial lost revenues from the Generating Station.  
16 *See* Exhibit 1 to Polka Testimony, filed on Dec. 2, 2014. Those revenues  
17 should be included in the analysis and support increasing the System  
18 Benefit Credit, which in turn supports the reduction to the proposed NFG  
19 demand charges sought by DGC, discussed earlier in this testimony, that  
20 should be offered to the Generating Station. These revenues are  
21 substantial. Based on NFG's last offer described above, they will amount

1 to a total \$64 million, \$55 million for NFG Distribution and \$9 million for  
2 NFG Supply.

3 Q. Do you believe a percentage of the NFG Distribution and Supply variable  
4 charges should be allocated to NFG Distribution because they are part of  
5 the System Benefit?

6 A. Yes. NFG describes the services provided by NFG Supply as primarily  
7 benefiting NFG Distribution customers while proposing that DGC pay  
8 100% of the variable costs imposed by NFG Supply. NFG describes the  
9 benefits as follows:

10 Dunkirk's market of approximately 35,000  
11 customers represents a typical mix of  
12 residential, commercial, and industrial  
13 accounts. Gas supplies for the market are  
14 delivered from TGP and shipped through  
15 NFGS through a single pipeline. Gas  
16 supplies from contracted storage service on  
17 NFGS are delivered during the winter period  
18 through the same single pipeline. The new  
19 pipeline would be designed to provide a  
20 secondary source of gas supply to the  
21 Dunkirk Fredonia market through the two  
22 proposed interconnects between the new  
23 pipeline and the existing distribution system.  
24 NFG currently contracts for over 96,000  
25 Dth/day of capacity on TGP with receipt  
26 points from the southwest through the  
27 northeast shale production in Pennsylvania.  
28 62,000 Dth/day of that capacity flows on  
29 TGP's 200 Line past the proposed  
30 interconnect point for delivery into NFG's  
31 capacity on NFGS in New York. NFGD's  
32 contracted capacity on NFGS includes

1                   Enhanced Firm Transportation (EFT) and  
2                   Enhanced Storage Service (ESS). When  
3                   both the EFT and ESS services are  
4                   combined, NFGD is provided with a no-  
5                   notice balancing service on NFGS which  
6                   provides daily and intraday balancing  
7                   services. By gaining access to the no-notice  
8                   service associated with the contracted  
9                   capacity on NFGS, Distribution will avoid  
10                  any balancing issues associated with the  
11                  Dunkirk-Fredonia market load.

12                In addition, the balancing service offered to DGC is conditioned as  
13                interruptible based on operating conditions. This uncertainty will require  
14                DGC to procure additional balancing services from TGP in the event  
15                NFGDC interrupts service in favor of its own customers.

16    Q.        How should NFGS and NFGD's variable costs associated with service on  
17                the proposed Dunkirk pipeline be allocated between DGC and NFGD's  
18                other customers benefitting from the Dunkirk pipeline?

19    A.        Variable costs should be allocated on the basis of the benefits that they  
20                create. According to NFG, that split is 75% to NFG Distribution  
21                customers, and 25% to DGC. Exhibit 1 to the Polka Testimony states:

22                   The new interconnect between TGP and  
23                   NFGS is estimated to cost approximately  
24                   \$4.0 million and is critical to providing no-  
25                   notice service to the Dunkirk area. The  
26                   interconnect also aids NFG in providing the  
27                   system benefits described above.  
28                   Accordingly, Distribution should incur 75%  
29                   of the cost of the interconnect.

1 According to that rationale, NFG Distribution customers will receive 75%  
2 of the system benefits associated with the Project. NFG Distribution  
3 customers should, therefore, bear 75% of the variable costs that make  
4 those benefits possible.

5 Q. Mr. Hughes, based upon the testimony presented herein, do you believe  
6 that DGC would be engaging in uneconomic bypass if it built and operated  
7 its pipeline proposal?

8 A. No. While NFG has the latitude to negotiate a comparatively lower rate,  
9 DGC's costs of providing the service, as described above, are lower than  
10 NFG's. Since DGC's operating costs are lower than NFG's, DGC's  
11 proposed bypass is not "uneconomic" under the Commission's policy.

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

13 A. Yes it does.