

# **Rochester Gas and Electric Corporation**

## **Rochester Area Reliability Project**

### **Appendix B**

#### **Pre-Filed Direct Testimony**



## APPENDIX B: PRE-FILED DIRECT TESTIMONY

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Testimony in support of the Article VII Application for the Rochester Area Reliability Project will generally be supplied by panels of witnesses, with different witnesses responsible for different parts of an exhibit. Below is a list of exhibits that indicates the witness or witnesses whose testimony will support each exhibit.

Exhibit	Witnesses
Exhibit 1: General Information Regarding Application	Thomas Yurik
Exhibit 2: Location of Facilities	Craig Wolfgang Barry Hart, PE
Exhibit 3: Alternatives	Craig Wolfgang Edgardo Manansala, PE Carol Howland, CPESC, PE
Exhibit 4: Environmental Impact	Craig Wolfgang Carol Howland, CPESC, PE Barry Hart, PE J. Frank Cascino, PE
Exhibit 5: Design Drawings	Kurt Doern Barry Hart, PE J. Frank Cascino, PE
Exhibit 6: Economic Effects of Proposed Facility	Kurt Doern Craig Wolfgang Barry Hart, PE
Exhibit 7: Local Ordinances	Craig Wolfgang Carol Howland, CPESC, PE
Exhibit 8: Other Pending Filings	Craig Wolfgang Carol Howland, CPESC, PE

Exhibit	Witnesses
Exhibit 9: Cost of Proposed Facility	Kurt Doern Barry Hart, PE Tracy Landers J. Frank Cascino, PE Peter Strzempka
Exhibit E-1: Description of Proposed Transmission Line	Kurt Doern Barry Hart, PE J. Frank Cascino, PE
Exhibit E-2: Other Facilities	Tracy Landers Peter Strzempka Richard Brown
Exhibit E-3: Underground Construction	Kurt Doern Barry Hart, PE
Exhibit E-4: Engineering Justification	Kurt Doern Edgardo Manansala, PE
Exhibit E-5: Effect on Communications	Kurt Doern Barry Hart, PE
Exhibit E-6: Effect on Transportation	Craig Wolfgang Carol Howland, CPESC, PE

**STATE OF NEW YORK**  
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Application of Rochester Gas and Electric  
Corporation for a Certificate of  
Environmental Compatibility and Public  
Need for the Rochester Area Reliability  
Project

PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**RICHARD A. BROWN**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Richard A. Brown**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 Q. **Mr. Brown, please state your full name, employer and business**  
2 **address.**

3 A. My name is Richard A. Brown. I am employed by New York State  
4 Electric and Gas Corporation (NYSEG). My business address is NYSEG,  
5 PO Box 5224, Corporate Drive, Kirkwood Industrial Park, Binghamton,  
6 NY 13902-5224.

7 Q. **In what capacity are you employed?**

8 A. I am a Lead Engineer in the System Engineering Department at NYSEG.

9 Q. **Please summarize your education and professional background.**

10 A. I have a Bachelor of Science in Electrical Engineering (BSEE) from  
11 Brooklyn Polytechnic Institute (1967) and an MBA from Binghamton  
12 University (1996). I obtained my Professional Engineering license in the  
13 early 1970's. I have been employed in the utility relay protection field  
14 since 1967, starting at Con Edison in New York City, and moving to  
15 NYSEG in 1979. I have been engaged in various engineering and  
16 supervisory capacities at NYSEG from 1979 to the present, and I am  
17 currently a Lead Engineer in the System Engineering Department,  
18 responsible for protection and control engineering of projects at NYSEG  
19 and RG&E.

**Richard A. Brown**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

20 Q. **Please describe your role in the Rochester Area Reliability Project.**

21 A. I developed conceptual plans and reviewed the draft exhibits, conceptual  
22 drawings, and cost estimates prepared by RG&E's consultants, including  
23 checking them for consistency with RG&E's standard practices.

24 I initiated technical discussions with the New York Power Authority to  
25 agree on the protection systems required to interface the new Station 255  
26 into the cross-state transmission system, compliant with NERC and NPCC  
27 protection criteria.

28 I reviewed the system operating diagrams and the elementary drawings for  
29 Station 255 and other interconnected facilities.

30 I assessed the fault current levels for the NYISO System Reliability  
31 Impact Study and reviewed NYSEG/RG&E breaker duty adequacy due to  
32 the proposed system changes.

33 Q. **What portions of the Application does your testimony support?**

34 A. Exhibit E-2: Other Facilities (protection-related).

35 Q. **Does this conclude your testimony at this time?**

36 A. Yes.



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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**J. FRANK CASCINO, PE**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**J. Frank Cascino, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Cascino, please state your full name, employer and business**  
2 **address.**

3 A. My name is J. Frank Cascino. I am employed by Substation Engineering  
4 Company (SECo). My business address is 262 Chapman Road, Suite 200,  
5 Newark, DE 19702.

6 **Q. In what capacity are you employed?**

7 A. I am one of the Principals at SECo, overseeing all transmission-related  
8 projects. I also serve as a Project Manager and Project Engineer on select  
9 transmission projects.

10 **Q. Please summarize your education and professional background.**

11 A. I received a Bachelor of Science in Civil Engineering from Manhattan  
12 College, Riverdale, NY, in 1979. I have more than 30 years of  
13 professional experience in the utility and consulting industries that  
14 includes estimating, routing, permitting, designing, engineering,  
15 overseeing construction, and maintaining high voltage transmission lines  
16 ranging from 34 kV through 765 kV. I have served in my present position  
17 at SECo since 2006. From 1999 to 2006, I was a Senior Engineer at ABB,  
18 Inc., responsible for the transmission estimating and engineering portions  
19 of all EPC projects in the US and some overseas projects. At ABB, most

**J. Frank Cascino, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

20 of the transmission line projects were 230 kV to 500 kV. In addition, I  
21 provided substation civil and structural engineering support as required.  
22 From 1989 to 1999, I worked as a Responsible Engineer for Delmarva  
23 Power (now part of the PHI Holdings). My duties included estimating,  
24 budgeting, routing, designing, permitting, preparing pole design and  
25 construction packages for bid, and providing construction support. I  
26 worked on line voltages typically ranging from 69 kV to 230 kV. From  
27 1979 to 1989 I worked for American Electrical Power Service Corporation  
28 in the Transmission Structures Engineering Group. My primarily  
29 responsibilities included design of special foundations for 345 kV and 765  
30 kV structures. I also analyzed and designed modifications for  
31 transmission towers. I have a Professional Engineering license in six  
32 states.

33 **Q. Have you sponsored previous Article VII applications or provided**  
34 **testimony in previous proceedings?**

35 A. No, not for Article VII applications. However, for Delmarva Power and  
36 Baltimore Gas & Electric (BG&E), I sponsored portions of Certificate of  
37 Public Convenience and Necessity (CPCN) applications in the State of  
38 Maryland. CPCN applications are similar to Article VII in scope and

**J. Frank Cascino, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

39 nature. For the Delmarva Power application, I provided written and oral  
40 testimony for a new 138 kV line. For BG&E, I provided written testimony  
41 for a 230 kV line.

42 **Q. Please describe your role in the Rochester Area Reliability Project.**

43 A. For the Rochester Area Reliability Project, I served as Transmission Line  
44 Project Engineer, assisting the Project Manager as required. I was  
45 responsible for the engineering portions of line routings, structure type and  
46 quantity determinations, overhead and underground cost estimates, design  
47 cross sections, and plan and profile drawings. I was also responsible for  
48 any transmission line engineering calculations in support of the Article VII  
49 Application, including EMF calculations.

50 **Q. What portions of the Application does your testimony support?**

51 A. My testimony supports the portions of the Application concerning the  
52 description of the transmission lines, the conceptual design drawings and  
53 costs of the transmission lines, and the EMF calculations of the Project.  
54 This includes the following exhibits to the Rochester Gas and Electric  
55 Corporation's Application, parts of which were prepared by me or under  
56 my direction and supervision:

**J. Frank Cascino, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

57           • Exhibit 4: Environmental Impact (Section 4.10, Electric and Magnetic  
58           Fields);

59           • Exhibit 5: Design Drawings;

60           • Exhibit 9: Cost of Proposed Facility; and

61           • Exhibit E-1: Description of Proposed Transmission Line.

62   **Q.   Does this conclude your testimony at this time?**

63   **A.   Yes.**

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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**KURT DOERN, JR.**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**





**Kurt Doern, Jr.**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Doern, please state your full name, employer and business**  
2 **address.**

3 A. My name is Kurt Doern, Jr. I am employed by Substation Engineering  
4 Company (SECo). My business address is 5 Commerce Drive, Suite 100,  
5 Reading, PA 19607.

6 **Q. In what capacity are you employed?**

7 A. I serve as Project Manager for various electric transmission projects.

8 **Q. Please summarize your education and professional background.**

9 A. I received a Bachelor of Science in Electrical Engineering Technology  
10 from Rochester Institute of Technology in 1981.

11 I have more than 20 years of professional experience as a Project Manager  
12 on a variety of electric utility infrastructure improvement projects. I have  
13 served in my present position since July 2010. My work has involved  
14 overseeing permitting, engineering, and construction for electric  
15 transmission and distribution projects. Prior to joining SECo, from 2008 to  
16 2010, I was a Supervisor of Substation Engineering for Rochester Gas and  
17 Electric Corporation (RG&E) and New York State Electric and Gas  
18 Corporation (NYSEG). From 2003 to 2008, I was a Project Manager at  
19 RG&E and NYSEG and served as the Project Manager for the

**Kurt Doern, Jr.**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

20 certification and construction of the Rochester Transmission Project, a  
21 major utility transmission facility certified under Article VII of the Public  
22 Service Law. From 1999 to 2003, I was the Department Manager of  
23 Energy Systems Development at RG&E. From 1996 to 1999, I was the  
24 Department Manager of Lighting Systems at RG&E. From 1989 to 1996,  
25 I was the Supervisor of Electric Distribution and Transmission  
26 Engineering at RG&E. From 1969 to 1989 I held various positions in the  
27 Transmission and Distribution Engineering Department at RG&E.

28 **Q. Have you sponsored previous Article VII applications or provided**  
29 **testimony in previous proceedings?**

30 A. Yes. I sponsored portions of Article VII applications for RG&E's  
31 Rochester Transmission Project (03-T-1385). I also provided testimony  
32 for RG&E during an arbitration proceeding regarding a claim by the  
33 contractor for the Rochester Transmission Project (03-T-1385).

34 **Q. Please describe your role in the Rochester Area Reliability Project.**

35 A. For the Rochester Area Reliability Project, I served as SECo's Project  
36 Manager for the Article VII Application, responsible for the coordination  
37 and oversight of the project team with regard to transmission line

**Kurt Doern, Jr.**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

38 engineering and routing, substation engineering, and site selection studies  
39 required as part of the Application.

40 **Q. What portions of the Application does your testimony support?**

41 A. My testimony supports the portions of the Application concerning the  
42 conceptual design and costs of the transmission lines, the economic effects  
43 of the Project, and the effect of the proposed transmission lines on  
44 communications facilities. This includes the following exhibits to RG&E's  
45 Application, which were prepared by me or under my direction and  
46 supervision:

- 47 • Exhibit 5: Design Drawings;
- 48 • Exhibit 6: Economic Effects on Proposed Facility;
- 49 • Exhibit 9: Cost of Proposed Facility;
- 50 • Exhibit E-1: Description of Proposed Transmission Line;
- 51 • Exhibit E-3: Underground Construction;
- 52 • Exhibit E-4: Engineering Justification; and
- 53 • Exhibit E-5: Effect on Communications.

54 **Q. Does this conclude your testimony at this time?**

55 A. Yes.



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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**BARRY R. HART, PE**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Barry R. Hart, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Hart, please state your full name, employer and business address.**

2 A. My name is Barry Hart. I am employed by New York State Electric and  
3 Gas Corporation (NYSEG). My business address is 18 Link Drive,  
4 Binghamton, NY 13902.

5 **Q. In what capacity are you employed?**

6 A. I am the Manager of the Transmission Line Engineering Department for  
7 Iberdrola USA's operating companies: NYSEG, Rochester Gas and  
8 Electric Corporation (RG&E), and Central Maine Power Company.

9 **Q. Please summarize your education and professional background.**

10 A. I received a Master of Science in Engineering Administration from  
11 Syracuse University in 1986, and a Bachelor of Science in Civil and  
12 Environmental Engineering from Clarkson College in 1981.

13 I am a licensed Professional Engineer in the state of New York.

14 I have more than 30 years of professional experience in transmission line  
15 engineering at NYSEG. I have worked 21.75 years as a transmission line  
16 engineer and project manager, 7.25 years as the supervisor of the  
17 company's New York transmission engineering group, and 1.25 years as  
18 the manager of the company's transmission engineering department.

**Barry R. Hart, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

19 **Q. Have you sponsored previous Article VII applications or provided**  
20 **testimony in previous proceedings?**

21 A. Yes. I sponsored portions of the Article VII application for RG&E's  
22 Rochester Transmission Project (Case 03-T-1385).

23 **Q. Please describe your role in the Rochester Area Reliability Project.**

24 A. For the Rochester Area Reliability Project, my group and I developed  
25 conceptual plans and cost estimates for the transmission line portions of  
26 the project and reviewed the draft exhibits, conceptual drawings, and cost  
27 estimates prepared by RG&E's consultants, including checking them for  
28 consistency with RG&E's standard practices.

29 **Q. What portions of the Application does your testimony support?**

30 A. My testimony supports the portions of the Application concerning the  
31 location and design of the transmission line portions of the Rochester Area  
32 Reliability Project. This includes the following exhibits to RG&E's  
33 Application:

- 34 • Exhibit 2: Location of Facilities;
- 35 • Exhibit 4: Environmental Impact (Section 4.10, Electric and Magnetic  
36 Fields);
- 37 • Exhibit 5: Design Drawings;



**Barry R. Hart, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

- 38           • Exhibit 6: Economic Effects of Proposed Facility;
- 39           • Exhibit 9: Cost of Proposed Facility;
- 40           • Exhibit E-1: Description of Transmission Line;
- 41           • Exhibit E-3: Underground Construction; and
- 42           • Exhibit E-5: Effect on Communications.
- 43   **Q.   Does this conclude your testimony at this time?**
- 44   **A.   Yes.**



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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**CAROL HOWLAND, CPESC, PE**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Carol Howland, CPESC, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Ms. Howland, please state your full name, employer and business**  
2 **address.**

3 A. My name is Carol Howland. I am employed by New York State Electric  
4 & Gas Corporation. My business address is 18 Link Drive, P.O. Box  
5 5224, Binghamton, NY 13902-5224.

6 **Q. In what capacity are you employed?**

7 A. I am the Lead Analyst of Environmental, Health & Safety Compliance for  
8 Iberdrola, USA.

9 **Q. Please summarize your education and professional background.**

10 A. I received an Associates of Science degree in Chemistry from Broome  
11 Community College and a Bachelor of Science degree in Chemistry from  
12 Binghamton University. I am a Certified Professional in Erosion and  
13 Sediment Control (CPESC) and a licensed Professional Engineer (PE) in  
14 the State of New York.

15 I have more than 25 years of professional environmental and licensing  
16 experience on utility projects. My work has involved overseeing  
17 environmental analyses and permitting for coal generation facilities,  
18 hydroelectric projects, electric transmission lines, gas pipelines, and

**Carol Howland, CPESC, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

19           substation projects. I have also served as the environmental monitor and  
20           stormwater inspector for utility construction projects.

21   **Q.   Please describe your role in the Rochester Area Reliability Project.**

22   A.   For the Rochester Area Reliability Project, I have advised Rochester Gas  
23       and Electric Corporation's (RG&E's) consultant on environmental  
24       regulatory requirements; consulted with the environmental agencies; and  
25       reviewed the routing analysis, draft exhibits, and conceptual drawings  
26       prepared by RG&E's consultants, including checking them for consistency  
27       with RG&E's standard practice.

28   **Q.   What portions of the Application does your testimony support?**

29   A.   My testimony supports the portions of the Application concerning the  
30       environmental effects of the Rochester Area Reliability Project. This  
31       includes the following exhibits to RG&E's Application, which were  
32       reviewed by me:

- 33       • Exhibit 3: Alternatives;
- 34       • Exhibit 4: Environmental Impact;
- 35       • Exhibit 7: Local Ordinances;
- 36       • Exhibit 8: Other Pending Filings; and
- 37       • Exhibit E-6: Effect on Transportation.

**Carol Howland, CPESC, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

38 **Q. Does this conclude your testimony at this time?**

39 **A. Yes.**





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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**TRACY L. LANDERS**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Tracy Landers**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Ms. Landers, please state your full name, employer and business**  
2 **address.**

3 A. My name is Tracy Landers. I am employed by Substation Engineering  
4 Co. (SECo). My business address is 231 Main St., Suite 3, Vestal, NY  
5 13850.

6 **Q. In what capacity are you employed?**

7 A. I am a Principal Engineer and provide substation engineering and project  
8 management services, primarily for New York State Electric and Gas  
9 Corporation and Rochester Gas and Electric Corporation.

10 **Q. Please summarize your education and professional background.**

11 A. I received a Bachelor of Science degree in Electrical Engineering from  
12 Clarkson University in 1986.

13 I have more than 25 years of professional experience as a Substation  
14 Engineer and Project Manager on a variety of electric utility projects. I  
15 have served in my present position since November 2010. My work has  
16 involved leading a multi-discipline team of engineers and designers to  
17 complete conceptual and detailed engineering for substation projects,  
18 preparing substation cost estimates, developing major equipment

**Tracy Landers**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

19 specifications, performing transformer overload analysis, and providing  
20 project management services.

21 Prior to joining SECo, from 2008 to 2010, I was a Senior Engineer in the  
22 Long Term Planning Department for the New York Independent System  
23 Operator. From 1986 to 2008, I was a Lead Engineer in the Substation  
24 Engineering Department for New York State Electric and Gas  
25 Corporation, and, from 1986 to 1989, I was an Assistant Engineer in the  
26 Major Transmission Equipment group for American Electric Power.

27 **Q. Please describe your role in the Rochester Area Reliability Project.**

28 A. For the Rochester Area Reliability Project, I served as SECo's Substation  
29 Engineering Team Leader for the Article VII Application, responsible for  
30 the oversight of SECo's substation project team with regard to developing  
31 substation design drawings and cost estimates as required as part of the  
32 Application.

33 **Q. What portions of the Application does your testimony support?**

34 A. My testimony supports the portions of the Application concerning the  
35 substation designs and substation cost estimates. This includes the  
36 following exhibits to Rochester Gas and Electric Corporation's  
37 Application, which were prepared by me or under my direction:

**Tracy Landers**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

38           • Exhibit 9: Cost of Proposed Facility; and

39           • Exhibit E-2: Other Facilities.

40   **Q.   Does this conclude your testimony at this time?**

41   **A.   Yes.**



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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**EDGARDO C. MANANSALA, PE**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**





**Edgardo Manansala, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Manansala, please state your full name, employer and business**  
2 **address.**

3 A. My name is Edgardo Manansala. I am employed by New York State  
4 Electric & Gas Corporation (NYSEG). My business address is 18 Link  
5 Drive, Kirkwood Industrial Park, Binghamton, NY 13902-5224.

6 **Q. In what capacity are you employed?**

7 A. I am a Lead Engineer in the System Planning Department.

8 **Q. Please summarize your education and professional background.**

9 A. I received a Doctor of Philosophy degree in Electrical Engineering (with  
10 specialization in electric power system phenomena) from Virginia  
11 Polytechnic Institute and State University; a Master of Engineering degree  
12 in Electric Power from Rensselaer Polytechnic Institute; and a Bachelor of  
13 Science degree in Electrical Engineering from the University of the  
14 Philippines. I am a registered Professional Engineer in the states of New  
15 York and Texas. I was an Assistant Professor in Electrical Engineering at  
16 the University of the Philippines, where I taught electric power  
17 engineering courses to graduate and undergraduate students. My next  
18 position was as a Superintendent at the Manila Electric Company, where I  
19 developed computer software applications and was involved in projects

**Edgardo Manansala, PE**

**Rochester Gas and Electric Corporation**

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20 and investigations related to electric power system reliability.  
21 Subsequently, I worked as Lead Analyst and Software Developer at Cook-  
22 Hurlbert, Inc., where I designed and developed software for load-flow and  
23 short-circuit analysis for electric utility clients. Currently, I am an  
24 Engineer/Lead Engineer in NYSEG's System Planning Department, where  
25 the need for capital projects is regularly studied and identified to ensure a  
26 reliable electric power system within the NYSEG and Rochester Gas and  
27 Electric Corporation (RG&E) service territories.

28 **Q. Have you sponsored previous Article VII applications or provided**  
29 **testimony in previous proceedings?**

30 A. No, but I provided an affidavit in support of RG&E's motion for a  
31 declaratory ruling in Case Number 11-01494/11-E-0375, "Petition of  
32 Rochester Gas and Electric Corporation for a Declaratory Ruling  
33 Concerning the proposed Rochester Area Reliability Project."

34 **Q. Have you authored any articles or papers that are germane to the**  
35 **current proceeding?**

36 A. Yes. I wrote the documentation for and performed the System Impact  
37 Study (SIS) in relation to the Rochester Area Reliability Project. This  
38 study was subsequently approved both by the New York Independent

**Edgardo Manansala, PE**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

39 System Operator (NYISO) Transmission Planning Advisory  
40 Subcommittee (TPAS) and by the NYISO Operating Committee (OC).

41 **Q. Please describe your role in the Rochester Area Reliability Project.**

42 A. For the Rochester Area Reliability Project, I performed all reliability  
43 studies required by the NYISO as part of the SIS. These studies included  
44 load-flow and transient stability studies, under steady-state and  
45 contingency conditions, with analysis of the effects of the project on local  
46 and on New York Control Area reliability.

47 **Q. What portions of the Application does your testimony support?**

48 A. My testimony supports the portions of the Application concerning the  
49 Engineering Justification, including Exhibit E-4: Environmental Impact  
50 and parts of Exhibit 3: Alternatives.

51 **Q. Does this conclude your testimony at this time?**

52 A. Yes.



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PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**PETER STRZEMPKA**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Peter Strzempka**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

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

2 A. My name is Peter Strzempka. I am employed by Rochester Gas and  
3 Electric Corporation (RG&E). My business address is 1300 Scottsville  
4 Road, Rochester, NY 14624.

5 **Q. In what capacity are you employed?**

6 A. I am a Substation Engineer in the Electric System Engineering  
7 Department.

8 **Q. Please summarize your education and professional background.**

9 A. I earned a Bachelor of Science in Electrical Engineering from the  
10 University at Buffalo in 2006. I have completed 80% of the required  
11 course work towards a Master of Science degree in Electrical Engineering  
12 at the University at Buffalo. I have been employed as a substation  
13 engineer in the Electric System Engineering Department at RG&E since  
14 November 2008. My work as a substation engineer has included design  
15 and engineering of new substations, expansion of existing substations,  
16 and replacement of substation equipment. My other primary functions are  
17 to determine project scopes, develop schedules, prepare cost estimates,  
18 and oversee engineering contractors for substation projects to ensure that  
19 they are in compliance with RG&E standards.

**Peter Strzempka**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

20 **Q. Please describe your role in the Rochester Area Reliability Project.**

21 A. I am a substation technical lead, and, in this role, I have updated the  
22 original conceptual plans and cost estimates for the project. I reviewed the  
23 draft exhibits, conceptual drawings, and cost estimates prepared by  
24 RG&E's consultants, including checking them for consistency with  
25 RG&E's standard practices.

26 **Q. What portions of the Application does your testimony support?**

27 A. My testimony supports Exhibit 9: Cost of Proposed Facility, and Exhibit  
28 E-2: Other Facilities, concerning the scope of work for all substation  
29 facilities involved in the project.



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Corporation for a Certificate of  
Environmental Compatibility and Public  
Need for the Rochester Area Reliability  
Project

PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**CRAIG H. WOLFGANG**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**



**Craig Wolfgang**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Wolfgang, please state your full name, employer and business**  
2 **address.**

3 A. My name is Craig Wolfgang. I am employed by Tetra Tech EC, Inc.,  
4 (Tetra Tech). My business address is 1000 The American Road, Morris  
5 Plains, NJ 07950.

6 **Q. In what capacity are you employed?**

7 A. I am the Director of Transmission Services in the Tetra Tech Morris Plains  
8 office and serve as Project Manager for various electric transmission  
9 projects.

10 **Q. Please summarize your education and professional background.**

11 A. I received a Master of City Planning from the Georgia Institute of  
12 Technology in 1979, and a Bachelor of Science in Natural Resource  
13 Conservation from the University of Connecticut in 1976.

14 I have more than 30 years of professional experience as a Project Manager  
15 and Environmental Planner on a variety of development and infrastructure  
16 improvement projects. I have served in my present position since February  
17 2008. My work has involved overseeing permitting and environmental  
18 analyses for proposed electric generation, electric transmission, and  
19 natural gas pipeline projects. In addition, I have managed permitting and

**Craig Wolfgang**

**Rochester Gas and Electric Corporation**

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20 environmental analyses for numerous transportation and resource  
21 assessment and planning projects.

22 Prior to joining Tetra Tech, from 1999 to 2008 I was Manager of  
23 Environmental Planning for TRC Corporation, and, from 1994 to 1999, I  
24 was a Principal Planner at Louis Berger & Associates, Inc. From 1986 to  
25 1994, I was the Supervisor of Resources Planning at Ebasco  
26 Environmental. From 1983 to 1986, I was a Licensing Specialist at the  
27 New York Power Authority. From 1980 to 1983, I was an Environmental  
28 Planner at Claude Terry & Associates.

29 **Q. Please describe your role in the Rochester Area Reliability Project.**

30 A. For the Rochester Area Reliability Project, I served as Tetra Tech's  
31 Project Manager for the Article VII Application, responsible for the  
32 supervision of the Tetra Tech project team with regard to transmission line  
33 routing and substation site selection studies, as well as the preparation of  
34 the environmental analyses required as part of the Application.

35 **Q. What portions of the Application does your testimony support?**

36 A. My testimony supports the portions of the Application concerning the  
37 Project alternatives, the environmental effects of the Rochester Area  
38 Reliability Project (with the exception of electric and magnetic field

**Craig Wolfgang**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

39 effects, which is the subject of another witness), and compliance with  
40 local ordinances. This includes the following exhibits to Rochester Gas  
41 and Electric Corporation's Application, which were prepared by me or  
42 under my direction and supervision:

- 43 • Exhibit 2: General Information Regarding Application;
- 44 • Exhibit 3: Alternatives;
- 45 • Exhibit 4: Environmental Studies;
- 46 • Exhibit 6: Economic Effects of Proposed Facility;
- 47 • Exhibit 7: Local Ordinances;
- 48 • Exhibit 8: Other Pending Filings; and
- 49 • Exhibit E-6: Effect on Transportation.

50 **Q. Does this conclude your testimony at this time?**

51 **A. Yes.**



**STATE OF NEW YORK**  
**PUBLIC SERVICE COMMISSION**

Application of Rochester Gas and Electric  
Corporation for a Certificate of  
Environmental Compatibility and Public  
Need for the Rochester Area Reliability  
Project

PSC CASE NO. \_\_\_\_\_

**DIRECT TESTIMONY OF**  
**THOMAS W. YURIK**  
**ON BEHALF OF**  
**ROCHESTER GAS AND ELECTRIC CORPORATION**





**Thomas W. Yurik**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

1 **Q. Mr. Yurik, please state your full name, employer and business**  
2 **address.**

3 **A.** My name is Thomas W. Yurik. I am employed by Rochester Gas and  
4 Electric Corporation. My business address is 89 East Avenue, Rochester,  
5 NY 14649.

6 **Q. In what capacity are you employed?**

7 **A.** I am a Manager of Programs/Projects.

8 **Q. Please summarize your education and professional background.**

9 **A.** I received an AS in Business Administration from Newbury College in  
10 1972. I have more than 30 years of experience in the electric industry. I  
11 joined RG&E in 1992 as a Licensing Engineer working primarily on  
12 nuclear decommissioning funding issues and design basis document  
13 systems. In 1996, I was promoted to Manager, Nuclear Strategy, and in  
14 this role my responsibilities included assisting in the reorganization of the  
15 Nuclear Engineering Department and the development of the New York  
16 Nuclear Operating Company. I also represented the Company in the PSC's  
17 Generic Nuclear Proceeding and developed and implemented the  
18 strategies for the disposition of the Company's interest in NMP-2. I acted  
19 as a member of RG&E's project management for the sale of its interests in

**Thomas W. Yurik**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

20 the Ginna Nuclear Power Plant and Nine Mile Point Unit 2 ("NMP-2"),  
21 participating directly in the development of bid documents, meetings with  
22 bidders, evaluation of bids, and final contract negotiations. I also have  
23 lead business responsibility for litigation with the Department of Energy  
24 (DOE) and other litigation matters. I was a member of the Executive  
25 Oversight Committee for the Rochester Transmission Project, which  
26 received a certificate of environmental compatibility and public need in  
27 PSC Case 03-T-1385, and I was directly involved in the procurement  
28 strategy, contract management, litigation, and regulatory relations. I am  
29 also part of the project management team for the auction of the fossil  
30 generation assets of Iberdrola USA's New York State subsidiaries (Case  
31 07-M-0906). Prior to joining RG&E, I was a consultant in the generation  
32 sector providing inspection, quality assurance program development, and  
33 nuclear licensing.

34 **Q. Have you sponsored previous Article VII applications or provided**  
35 **testimony in previous proceedings?**

36 A. I provided testimony in the Section 70 proceeding on the sale of the Ginna  
37 Nuclear Power Plant (Case 03-E-1231).

38 **Q. Please describe your role in the Rochester Area Reliability Project.**

**Thomas W. Yurik**

**Rochester Gas and Electric Corporation**

**Article VII Application (Electric Facility)**

39 A. I am the Project Manager for the Rochester Area Reliability Project, with  
40 overall responsibility for the licensing, planning, and delivery of the  
41 project.

42 **Q. What portions of the Application does your testimony support?**

43 A. Exhibit 1: General Information Regarding Application.

