

New York State Electric & Gas Corporation

Columbia County Transmission Project

Appendix C

Pre-Filed Direct Testimony

APPENDIX C: PRE-FILED DIRECT TESTIMONY

Testimony in support of the Article VII Application for the Columbia County Transmission 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	Witness/Witness Panel Members
Exhibit 1 - General Information Regarding Application	Mark Mahlmeister
Exhibit 2 - Location of Facility	Edgardo Manansala Jeff McKinney Dusty Werth Sarah Gilstrap
Exhibit 3 - Alternatives	Edgardo Manansala Jeff McKinney Dusty Werth Sarah Gilstrap
Exhibit 4 - Environmental Impacts	Carol Howland, CPESC, PE Dusty Werth Sarah Gilstrap Derrick Bradstreet, PE
Exhibit 5 - Design Drawings	Michal Bartczak Royce McMahon Ryan Cross, PE Kristie Green, PE
Exhibit 6 - Economic Effects of Proposed Facility	Carol Howland, CPESC, PE Dusty Werth
Exhibit 7 - Local Ordinances	Carol Howland, CPESC, PE Dusty Werth Sarah Gilstrap
Exhibit 8 - Other Pending Filings	Carol Howland, CPESC, PE
Exhibit 9 - Cost of Proposed Facilities	Michal Bartczak Royce McMahon Ryan Cross, PE Kristie Green, PE
Exhibit E-1 - Description of Proposed Transmission Facilities	Michal Bartczak Kristie Green, PE
Exhibit E-2 - Other Facilities	Royce McMahon Ryan Cross, PE
Exhibit E-3 - Underground Construction	Michal Bartczak Ryan Cross, PE
Exhibit E-4 Engineering Justification	Edgardo Manansala Jeff McKinney
Exhibit E-5 - Effect on Communication	Dusty Werth Kristie Green, PE

Exhibit	Witness/Witness Panel Members
Exhibit E-6 - Effect on Transportation	Carol Howland, CPESC, PE Dusty Werth

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DIRECT TESTIMONY OF
MARK MAHLMEISTER
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

MARK MAHLMEISTER
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

3 **A.**My name is Mark Mahlmeister. I am employed by NYSEG and my business
4 address is 18 Link Drive, Binghamton, NY 13902.

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

6 **A.**Manager Electric Capital Delivery

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

8 **A.**I have a BS in Mechanical Engineering. I have worked in various engineering
9 and operating capacities at NYSEG since 1982.

10 **Q. Please describe your role in the Columbia County Transmission Project.**

11 **A.**Manager of the Project Manager responsible for the Columbia County
12 Transmission Project.

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

14 **A.**Exhibit 1 – General Information Regarding the Application

15 **Q. Does this conclude your testimony?**

16 **A.**Yes

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DIRECT TESTIMONY OF
EDGARDO MANANSALA & JEFFREY L. MCKINNEY
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

**JEFFREY L. MCKINNEY AND EDGARDO C. MANANSALA
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)**

1 **Q. Please state the names of the members of this panel that are supporting the**
2 **Exhibit E-4: Engineering Justification, parts of Exhibit 3: Alternatives, and**
3 **parts of Exhibit 2: Location of Facility Capital Expenditures (the "Panel").**

4 **A. We are Jeffrey L. McKinney and Edgardo C. Manansala.**

5 **Q. Mr. McKinney, please state your current position and business address.**

6 **A. I am currently Manager of the System Planning Department for NYSEG and**
7 **RG&E. My business address is 18 Link Drive, P.O. Box 5224, Binghamton, NY**
8 **13902-5224.**

9 **Q. Mr. Manansala, please state your current position and business address.**

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

11 **Q. Mr. McKinney, Please summarize your educational background and work**
12 **experience.**

13 **A. I graduated from Pennsylvania State University in 1982 with a Bachelor's of**
14 **Science degree in Electrical Engineering. In 1987, I completed the General**
15 **Electric Power Systems Engineering Course. I received a Masters in Business**
16 **Administration from Syracuse University in 1999. I have been employed by**
17 **NYSEG in the transmission planning and services area for 30 years and added**
18 **similar responsibilities for RGE in January 2003.**

19 **Q. Mr. Manansala, Please summarize your educational background and work**
20 **experience.**

21 **A. I received a Doctor of Philosophy degree in Electrical Engineering (with**
22 **specialization in electric power system phenomena) from Virginia Polytechnic**
23 **Institute and State University, a Master of Engineering degree in Electric Power**

JEFFREY L. MCKINNEY AND EDGARDO C. MANANSALA
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 from Rensselaer Polytechnic Institute, and a Bachelor of Science degree in
2 Electrical Engineering from the University of the Philippines. I am a registered
3 Professional Engineer in the states of New York and Texas. I was an Assistant
4 Professor in Electrical Engineering, at the University of the Philippines, where I
5 taught Electric Power Engineering courses to graduate and undergraduate
6 students. My next job was as a superintendent, at the Manila Electric Company,
7 where I developed computer software applications, and was involved in projects
8 and investigations, related to electric power system reliability. Subsequently, I
9 worked as lead analyst and software developer, at Cook-Hurlbert, Inc., where I
10 designed and developed software for load-flow and short-circuit analysis for
11 electric utility clients. Finally, I have worked as an Engineer/Lead Engineer, in
12 NYSEG's System Planning Department, where the need for capital projects is
13 regularly studied and identified to ensure a reliable electric power system within
14 the NYSEG and Rochester Gas and Electric Corporation ("RG&E") service
15 territories.

16 **Q. Mr. McKinney, have you previously testified in other proceedings before the**
17 **Commission or other state or federal regulatory agency or court?**

18 **A.** Yes. I testified before the Commission in Cases No. 92-T-1081, 09-E-0715, and
19 09-E0717 and before the Federal Energy Regulatory Commission in Docket
20 Numbers OA96-195-000, ER97-2353-000, ER97-1523-000, ER97-4234-000,
21 OA97-470-000, EC00-001-000, EC01-97-000, and EL07-77-000.

22 **Q. Mr. Manansala, have you previously testified in other proceedings before the**
23 **Commission or other state or federal regulatory agency or court?**

JEFFREY L. MCKINNEY AND EDGARDO C. MANANSALA
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 **A.** Yes. I am currently sponsoring Exhibit E-4 (Engineering Justification), and parts
2 of Exhibit 3 (Alternatives), of the Article VII application for the Rochester Area
3 Reliability Project. I also provided an affidavit in support of RG&E's motion for a
4 declaratory ruling in Case Number 11-01494/11-E-0375, "Petition of Rochester
5 Gas and Electric Corporation for a Declaratory Ruling Concerning the proposed
6 Rochester Area Reliability Project."

7 **Q.** **Please describe the Panel's role in the Columbia County Transmission**
8 **Project.**

9 **A.** For the Columbia County Transmission Project, we performed reliability studies
10 which identified the need for the project, possible alternatives, and the
11 recommended project. These studies included load-flow studies, under steady-
12 state and contingency conditions, with analysis of the effects of the project on
13 local and on New York Control Area reliability.

14 **Q.** **What portions of the Application does the Panel testimony support?**

15 **A.** Our testimony supports the portions of the Application concerning the Exhibit E-
16 4: Engineering Justification, parts of Exhibit 3: Alternatives, and parts of Exhibit
17 2: Location of Facility

18 **Q.** **Does this conclude your testimony?**

19 **A.** Yes.

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DIRECT TESTIMONY OF

CAROL HOWLAND
ON BEHALF OF

NEW YORK STATE ELECTRIC & GAS CORPORATION

CAROL HOWLAND
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

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

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

6 **A.** I am the Lead Analyst – Environmental, Health & Safety Compliance for Iberdrola, USA.

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

8 **A.** I received an Associates of Science degree in Chemistry from Broome Community
9 College and a Bachelor of Science degree in Chemistry from Binghamton University. I
10 am a Certified Professional in Erosion and Sediment Control (CPESC), and a licensed
11 Professional Engineer (PE) in the State of New York.
12 I have more than 25 years of professional experience in environmental and licensing for
13 utility projects. My work has involved overseeing environmental analyses and permitting
14 for coal generation facilities, hydroelectric projects, electric transmission lines, gas
15 pipelines, and substation projects. I have also served as the environmental monitor and
16 stormwater inspector for utility construction projects.

17 **Q.** **Please describe your role in the Columbia County Transmission Project.**

18 **A.** For the Columbia County Transmission Project, I have advised NYSEG's consultant on
19 environmental regulatory requirements, consulted with the environmental agencies, and
20 have reviewed the routing analysis, draft exhibits, and conceptual drawings prepared by
21 NYSEG's consultants, including checking them for consistency with NYSEG's standard
22 practice.

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

CAROL HOWLAND
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 **A.** My testimony supports the portions of the Application concerning the environmental
2 effects of the Columbia County Transmission Project. This includes the following
3 exhibits to New York State Electric & Gas's Application, which were reviewed by me:

- 4 • Exhibit 4 (Environmental Studies);
- 5 • Exhibit 6 (Economic Effects of Proposed Facility)
- 6 • Exhibit 7 (Local Ordinances);
- 7 • Exhibit 8: (Other Pending Filings); and
- 8 • Exhibit E-6 (Effect on Transportation)

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

10 **A.** Yes.

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DIRECT TESTIMONY OF
MICHAL M. BARTCZAK
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

MICHAL M. BARTCZAK
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

2 **A.**Michal M. Bartczak, Iberdrola USA, NYSEG, Kirkwood Industrial Park, PO Box 5224,
3 Binghamton, NY 13902-5224

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

5 **A.**Lead Engineer, Electric System Engineering

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

7 **A.**I am a graduate of Technical University of Gdansk, Poland. I have a Master of Science
8 Degree in Civil Engineering. I have been working in utility industry for the last three and
9 a half years.

10 **Q. Please describe your role in the Columbia County Transmission Project.**

11 **A.**As the utility company engineer I reviewed all the designs prepared by Burns &
12 McDonnell for NYSEG, including checking them for consistency with NYSEG's
13 standard practices.

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

15 **A.**Exhibits 5, 9, E-1, E-3

16 **Q. Does this conclude your testimony?**

17 **A.**Yes.

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DIRECT TESTIMONY OF
ROYCE MCMAHON
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

**ROYCE MCMAHON
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)**

1 A. Royce L. McMahon, Iberdrola USA, Iberdrola USA, 1300 Scottsville Road, Rochester,
2 NY, 14623

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

4 A. Manager of Substation Engineering

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

6 A. I am a graduate of The Pennsylvania State University. I have a Bachelor of Science
7 Degree in Electrical Engineering. I have been working in utility industry for the last 30
8 years.

9 **Q. Please describe your role in the Columbia County Transmission Project.**

10 A. As the utility company engineer I reviewed all the designs prepared by Burns &
11 McDonnell for NYSEG, including checking them for consistency with NYSEG's
12 standard practices.

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

14 A. Exhibits 5, 9, E-2

15 **Q. Does this conclude your testimony?**

16 A. Yes.

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DIRECT TESTIMONY OF
DUSTY E. WERTH
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

DUSTY E. WERTH
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

2 **A.** My name is Dusty E. Werth. I am employed by Burns & McDonnell Engineering
3 Company (“Burns & McDonnell”), an engineering and environmental consulting
4 firm. My business address is 9400 Ward Parkway, Kansas City, Missouri, 64114.
5 Burns & McDonnell has successfully routed, evaluated, and defended more than
6 12,000 miles of transmission lines ranging in voltage from 69 kV to 765 kV.
7 Burns & McDonnell has been involved with state siting/certification processes
8 throughout the U.S. since the 1970s. This experience has included the states of
9 Arizona, Arkansas, California, Colorado, Connecticut, Florida, Illinois, Iowa,
10 Idaho, Kansas, Louisiana, Maryland, Minnesota, Missouri, Montana, Nevada,
11 New Mexico, Nebraska, North Carolina, Ohio, Oklahoma, South Carolina, South
12 Dakota, Texas, Utah, Virginia, Wisconsin, and Wyoming.. Burns & McDonnell
13 was recently ranked by Engineering News-Record (ENR) magazine as the
14 nation’s #1 Transmission & Distribution domestic design and environmental firm.

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

16 **A.** I am a Staff Environmental Scientist in the Environmental Studies and Permitting
17 Global Practice at Burns & McDonnell.

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

19 **A.** I received a Bachelor’s of Science degree in Biology from Avila University.
20 Since 2006, when I was first employed as an environmental consultant, I have
21 provided environmental planning and consulting services for transportation
22 projects and energy-related projects, including electric transmission lines. Since
23 that time I have managed or been involved in 16 environmental impact analyses

DUSTY E. WERTH
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 for transmission line projects in various states. Projects have ranged in size from
2 115-kV to 765-kV and have been as short as 7 miles to over 300 miles in length.

3 **Q. Please describe your role in the Columbia County Transmission Project.**

4 **A.** I assisted NYSEG in the development of the routing alternatives, conducted the
5 environmental analysis of alternative routes, and assisted NYSEG with the public
6 outreach for the Columbia County Transmission Project.

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

8 **A.** My testimony supports the portions of the Application concerning the routing
9 alternatives and environmental effects of the Columbia County Transmission
10 Project. This includes the following exhibits to New York State Electric & Gas's
11 Application, which were prepared in part by me:

- 12 • Exhibit 2 - Location of Facility
- 13 • Exhibit 3 - Alternatives
- 14 • Exhibit 4 - Environmental Impacts
- 15 • Exhibit 6 - Economic Effects of Proposed Facility
- 16 • Exhibit 7 - Local Ordinances
- 17 • Exhibit E-5 - Effect on Communication
- 18 • Exhibit E-6 - Effect on Transportation

19 **Q. Does this conclude your testimony?**

20 **A.** Yes

21

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DIRECT TESTIMONY OF
SARAH GILSTRAP
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

**SARAH CATHRYN GILSTRAP
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)**

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

2 **A.** My name is Sarah Cathryn Gilstrap. I am employed by Burns & McDonnell
3 Engineering Company, Inc. (Burns & McDonnell). My business address is Burns
4 & McDonnell, 9400 Ward Parkway, Kansas City, MO 64114.

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

6 **A.** I am a Wetland Scientist in the Environmental Studies & Permitting Division at
7 Burns & McDonnell. Burns & McDonnell has successfully routed, evaluated, and
8 defended more than 12,000 miles of transmission lines ranging in voltage from 69
9 kV to 765 kV. Burns & McDonnell has been involved with state
10 siting/certification processes throughout the U.S. since the 1970s. This experience
11 has included the states of Arizona, Arkansas, California, Colorado, Connecticut,
12 Florida, Illinois, Iowa, Idaho, Kansas, Louisiana, Maryland, Minnesota, Missouri,
13 Montana, Nevada, New Mexico, Nebraska, North Carolina, Ohio, Oklahoma,
14 South Carolina, South Dakota, Texas, Utah, Virginia, Wisconsin, and Wyoming..
15 Burns & McDonnell was recently ranked by Engineering News-Record (ENR)
16 magazine as the nation's #1 Transmission & Distribution domestic design and
17 environmental firm.

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

19 **A.** I have a Bachelor of Arts in Chemistry and Biology from Drury University (2006)
20 and a Master's of Science in Environmental Science from the University of
21 Kansas (2009). I have been employed by Burns & McDonnell since 2008, the
22 same year I received my wetland delineation certification from the Rutgers
23 University Wetland Delineator Program. I am currently a Wetland Scientist in the

SARAH CATHRYN GILSTRAP
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 Environmental Permitting Department and am responsible for wetland and stream
2 delineations and permitting as well as wastewater and stormwater permitting.

3 **Q. Please describe your role in the Columbia County Transmission Project.**

4 **A.** I met with town and county officials to introduce the Columbia County
5 Transmission Project (Project) and obtain feedback on local concerns and future
6 development in the area. I also helped coordinate presentations to the local Town
7 and Planning Boards and the general public. In regards to the Article VII
8 Application, I completed environmental analyses, researched local natural
9 resources and characteristics, and reviewed town and county ordinances.

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

11 **A.** Exhibit 2: Location of Facility
12 Exhibit 3: Alternatives
13 Exhibit 4: Environmental Impacts
14 Exhibit 7: Local Ordinances.

15 **Q. Does this conclude your testimony?**

16 **A.** Yes.

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DIRECT TESTIMONY OF
DERRICK BRADSTREET
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

DERRICK BRADSTREET
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

2 **A.**Mr. Derrick Bradstreet

3 Burns & McDonnell

4 9400 Ward Parkway

5 Kansas City, MO 64114

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

7 **A.**I am a Senior Electrical Engineer in the overhead transmission group of the
8 Kansas City Office for Burns & McDonnell, responsible for electrical aspects of
9 high voltage transmission lines including permitting studies. Burns & McDonnell
10 has successfully performed transmission and distribution projects since the
11 1980's. Burns & McDonnell has performed design services from 12 kV to 500
12 kV for these projects. Burns & McDonnell has successfully managed over \$1B in
13 new transmission line design and construction, and are currently involved in
14 transmission programs exceeding \$14B in value. Burns & McDonnell was
15 recently ranked by Engineering News-Record (ENR) magazine as the nation's #1
16 Transmission & Distribution domestic design and environmental firm.

17 **Q. Please summarize your education and professional background?**

18 **A.**My formal engineering education consists of a Bachelor of Science degree in
19 Electrical Engineering from Kansas State University. My studies there were
20 focused on Power Systems. My professional career has consisted of 8 years at
21 Burns & McDonnell in the Transmission & Distribution Division. I have been
22 involved with electrical design of high voltage transmission lines. I have
23 prepared or reviewed electric and magnetic field (EMF) calculations on multiple

DERRICK BRADSTREET
NEW YORK STATE GAS AND ELECTRIC
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1 projects. A few recent projects are the Greater Springfield Reliability Project and
2 the Interstate Reliability Project for Northeast Utilities. For these projects I was
3 responsible for the preparation of EMF calculations to be included in siting
4 application documents for both the states of Massachusetts and Connecticut. I am
5 a registered Professional Engineer in the states of Kansas, New Hampshire, and
6 Utah.

7 **Q. Please describe your role in the Columbia County Transmission Project.**

8 **A.** I developed the EMF study for the 115kV Columbia County Transmission Line.

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

10 **A.** Exhibit 4 – Environmental Impacts EMF Study

11 **Q. Does this conclude your testimony?**

12 **A.** Yes.

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DIRECT TESTIMONY OF
RYAN CROSS
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

RYAN CROSS
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

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

2 **A.**Mr. Ryan Cross

3 Burns & McDonnell

4 425 S. Woods Mill Road, Suite 300

5 Chesterfield, MO 63017

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

7 **A.**I am a Department Manager of the Transmission and Distribution group in **the**
8 Saint Louis Office for Burns & McDonnell. Burns & McDonnell has successfully
9 performed transmission and distribution projects since the 1980's. Burns &
10 McDonnell has performed design services from 12 kV to 500 kV for these
11 projects. Burns & McDonnell has successfully managed over \$1B in new
12 transmission line design and construction, and are currently involved in
13 transmission programs exceeding \$14B in value. Burns & McDonnell was
14 recently ranked by Engineering News-Record (ENR) magazine as the nation's #1
15 Transmission & Distribution domestic design and environmental firm.

16 **Q. Please summarize your education and professional background?**

17 **A.**I graduated with B.S.E.E. from Missouri School of Science and Technology in
18 2001, and a M.B.A. from Webster University in 2011. I have been in the
19 Transmission and Distribution group for Burns & McDonnell since 2001
20 performing design and project management tasks for both substation and
21 transmission line projects. I am a registered Professional Engineer in the states of
22 Kansas, Missouri, Illinois, Indiana, and Wisconsin. I am also the vice-chair elect
23 of the St. Louis Chapter of the IEEE Power Engineering Society.

RYAN CROSS
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)

1 **Q. Please describe your role in the Columbia County Transmission Project.**

2 **A.**I developed cost estimates for proposed facilities and the descriptions of the
3 proposed transmission facilities and other facilities. In addition, I developed
4 conceptual drawings for this project and reviewed draft exhibits and drawings
5 prepared by Burns & McDonnell for NYSEG, checking them for accuracy and
6 consistency with NYSEG's standard practices.

7 **Q. What portions of the Applications does your testimony support?**

8 **A.**Exhibit 5 – Design Drawings
9 Exhibit 9 – Cost of Proposed Facilities
10 Exhibit E-1 – Description of Proposed Transmission Facilities
11 Exhibit E-2 – Other Facilities

12 **Q. Does this conclude your testimony?**

13 **A.**Yes.

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DIRECT TESTIMONY OF
KRISTIE LYNN JACKSON GREEN
ON BEHALF OF
NEW YORK STATE ELECTRIC & GAS CORPORATION

**KRISTIE LYNN JACKSON GREEN
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)**

1 **Q. Mrs. Jackson Green, please state your full name, employer and business**
2 **address.**

3 **A.**Mrs. Kristie Lynn Jackson Green
4 Burns & McDonnell
5 1700 West Loop South, Suite 300
6 Houston, TX 77084

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

8 **A.**I am a Senior Engineer in the Transmission and Distribution group in the Houston
9 Office for Burns & McDonnell. Burns & McDonnell has successfully performed
10 transmission and distribution projects since the 1980's. Burns & McDonnell has
11 performed design services from 12-kV to 500-kV for these projects. Burns &
12 McDonnell has successfully managed over \$1B in new transmission line design
13 and construction, and are currently involved in transmission programs exceeding
14 \$14B in value. Burns & McDonnell was recently ranked by Engineering News-
15 Record (ENR) magazine as the nation's #1 Transmission & Distribution domestic
16 design and environmental firm.

17 **Q. Please summarize your education and professional background?**

18 **A.**I graduated with Bachelors of Civil and Environmental Engineering from Georgia
19 Institute of Technology in 1998. I have been in the Transmission and
20 Distribution group for Burns & McDonnell since 2004 performing design and
21 review tasks for transmission line projects. I am a registered Professional
22 Engineer in the states of North Carolina, Texas, Oklahoma, Utah, Kansas, New
23 Mexico, Arizona, and Colorado.

**KRISTIE LYNN JACKSON GREEN
NEW YORK STATE GAS AND ELECTRIC
ARTICLE VII APPLICATION (ELECTRIC FACILITY)**

1 **Q. Please describe your role in the Columbia County Transmission Project.**

2 **A.**I developed cost estimates and preliminary engineering data for the proposed
3 transmission facilities.. In addition, I developed conceptual drawings for this
4 project and reviewed draft exhibits and drawings prepared by Burns &
5 McDonnell for NYSEG, checking them for accuracy and consistency with
6 NYSEG's standard practices.

7 **Q. What portions of the Applications does your testimony support?**

8 **A.**Exhibit 5 – Design Drawings
9 Exhibit 9 – Cost of Proposed Facilities
10 Exhibit E-1 – Description of Proposed Transmission Facilities
11 Exhibit E-5 – Effect on Communication

12 **Q. Does this conclude your testimony?**

13 **A.**Yes.