

**DIRECT TESTIMONY
OF
CYRIL WELTER
ON BEHALF OF
VIRGINIA ELECTRIC AND POWER COMPANY
BEFORE THE
STATE CORPORATION COMMISSION OF VIRGINIA
CASE NO. PUE-2007-_____**

1 **Q. Please state your name, position, place of employment and business address.**

2 A. My name is Cyril Welter. I am employed as a Senior Project Manager for the
3 Environmental Studies and Permitting Division of Burns & McDonnell Engineering
4 Company, Inc., an engineering and environmental consulting firm ("Burns &
5 McDonnell"). My business address is 9400 Ward Parkway, Kansas City, Missouri
6 64114.

7 **Q. What is your educational and professional background?**

8 A. I have a Bachelor of Arts degree in Economics from Wabash College (1972) and a
9 master's degree in Urban and Regional Planning from the University of Wisconsin
10 (1977). I have also completed graduate work in Landscape Architecture at Kansas
11 State University. Since 1979, I have been a project manager at Burns & McDonnell
12 for major planning and environmental studies related to power generation and
13 transmission projects throughout the United States. I have prepared siting studies and
14 environmental and socioeconomic assessments and developed public involvement
15 programs, most of which have been for power-related projects. More specifically, I
16 have performed over 30 transmission line routing studies ranging in voltage from
17 69 kV to 500 kV. I have also authored a number of articles on transmission line

1 routing and public involvement programs, and I am one of the principal instructors for
2 Burns & McDonnell's training seminars on transmission line routing.

3 In Virginia, I have prepared multiple transmission line routing studies. These projects
4 range from 230 kV taps to major 500 kV transmission projects. Specifically, I was the
5 Project Manager on the following Virginia projects: the Elmont-Chickahominy
6 230 kV line, the Clover-Carson 500 kV line, the Joshua Falls-Ladysmith 500 kV line,
7 the Clifton 500 kV Substation, the White Oak 230 kV tap and the Pleasant View –
8 Hamilton 230 kV line. My involvement with these projects included extensive public
9 meetings and testifying before the State Corporation Commission.

10 **Q. What professional experience does your firm have with transmission line routing**
11 **projects?**

12 A. Burns & McDonnell has performed many electrical transmission line projects
13 throughout the country, including route selection and environmental study projects for
14 over 7,300 miles of electrical transmission lines, ranging in voltage from 69 kV to
15 500 kV. Our Environmental Studies and Permitting Group has completed more than
16 600 major environmental studies throughout the United States and in foreign
17 countries.

18 **Q. What were you asked to do in connection with this case?**

19 A. Virginia Electric and Power Company ("Dominion Virginia Power") and Trans-
20 Allegheny Interstate Line Company ("TrAILCo") commissioned Burns & McDonnell
21 to conduct a routing study and environmental assessment for the proposed Meadow
22 Brook – Loudoun 500 kV transmission line and produce a report of such study and

1 assessment. We worked closely with Dominion Virginia Power and TrAILCo
2 personnel as part of their project teams.

3 **Q. What is the purpose of your testimony?**

4 A. The purpose of my testimony is to introduce and sponsor the *Routing Study and*
5 *Environmental Assessment for the Meadow Brook – Loudoun 500-kV Transmission*
6 *Line Project*, a true and correct copy of which is included as Attachment CW-1 to my
7 testimony.

8 **Q. Does this complete your prepared direct testimony?**

9 A. Yes, it does.