

FILE

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

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|--|---|-------------------------|
| In the Matter of the Application of |) | |
| The Dayton Power and Light Company for |) | Case No. 08-1094-EL-SSO |
| Approval of its Electric Security Plan |) | |
| |) | |
| |) | |
| |) | |
| In the Matter of the Application of |) | |
| The Dayton Power and Light Company for |) | Case No. 08-1095-EL-ATA |
| Approval of Revised Tariffs |) | |
| |) | |
| |) | |
| |) | |
| In the Matter of the Application of |) | |
| The Dayton Power and Light Company for |) | Case No. 08-1096-EL-AAM |
| Approval of Certain Accounting Authority |) | |
| Pursuant to Ohio Rev. Code 4905.13 |) | |
| |) | |
| |) | |
| |) | |
| In the Matter of the Application of |) | |
| The Dayton Power and Light Company for |) | Case No. 08-1097-EL-UNC |
| Approval of its Amended Corporate |) | |
| Separation Plan |) | |

DIRECT TESTIMONY OF LOWELL K. MILLER

ON BEHALF OF

STAFF OF PUBLIC UTILITIES COMMISSION OF OHIO

February 3, 2009

PUCO

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DIRECT TESTIMONY OF LOWELL K. MILLER

1. **Q. Please state your name and business address.**

A. My name is Lowell K. Miller and my business address is 180 East Broad Street, Columbus, Ohio 43215.

2. **Q. By who are you employed?**

A. The Public Utilities Commission of Ohio (PUCO) as the Facility and Operations Field Division's (FOFD) Electric Specialist.

3. **Q. Please summarize your education and professional qualifications.**

A. I enlisted in the United States Navy after graduating high school in 1982. The first year of service included the successful completion of the following programs; Basic Electricity and Electronics, Avionics "A" School and Advanced First Term Avionics. The period November 1983 through December 1989 I performed maintenance and troubleshooting activities on avionic and weapon systems on the F/A-18 Hornet platform and from January 1990 through August 1992 I worked as an instructor and inspector/auditor for Strike Fighter Weapons School providing training to fleet personnel related to the electronic weapons systems of the F/A-18. I also audited training and testing procedures of fleet squadron personnel, and tested new weapon system software versions for compatibility. From February 2002 to September 2006 I was a FOFD electric field investigator

1 wherein I principally conducted field inspections and investigations to
2 ensure electric utility compliance with various Ohio Administrative Code
3 rules that pertain to electric distribution. In September 2006, I began my
4 current position as the FOFD electric specialist wherein I serve as the
5 FOFD electric distribution expert which includes the inspection,
6 investigation, review and evaluation of all electric distribution-related
7 issues.

8 **4. Q. What is the purpose of your testimony?**

9 My testimony will address the Applicant's Smart Grid Development Plan
10 as it pertains to distribution automation (DA) and substation automation
11 (SA) proposed in this case relative to reliability.

12 **5. Q. Do you recommend approval of Applicant's Smart Grid Development**
13 **Plan as it pertains to distribution automation and substation**
14 **automation?**

15 A. No. The Applicant intends to automate four circuits and six to seven
16 substations annually for the years 2009 through 2014, and automate 48
17 circuits and 12 substations in 2015. Approximately 16% of Applicant's
18 total circuits and 34% of its substations will be automated during this seven
19 year span. Applicant further states that based on results of the development
20 phase (2009-2015), it will either advocate full deployment or shift in focus
21 to new technologies.

1 I am not able to determine nor is the Applicant willing or able to provide a
2 projected improvement in reliability by any measurable standard or indices
3 during the development phase. Furthermore, the Applicant has not
4 determined a deployment schedule beyond 2009 with respect to the specific
5 substations and circuits that are to be automated. The projected expense is
6 too substantial and the benefit is unquantifiable as there are no measurable
7 projections for improved reliability. Based on the information provided, I
8 do not recommend approval of the Smart Grid Plan as proposed.

9 **6. Q. Does this conclude your testimony?**

10 A. Yes.

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and accurate copy of the Testimony of Lowell K. Miller was served this 3rd day of February, 2009 by electronic mail or, where no e-mail address is available, by regular U.S. mail, postage prepaid, upon the persons listed below.



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