

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

**In the Matter of the Application of
Ohio Edison Company, The Cleveland
Electric Illuminating Company, and
The Toledo Edison Company for
Approval of Ohio Site Deployment of
the Smart Grid Modernization
Initiative and Timely Recovery of
Associated Costs**

**Case No. 09-1820-EL-ATA
Case No. 09-1821-EL-GRD
Case No. 09-1822-EL-EEC
Case No. 09-1823-EL-AAM**

REPORT

On May 28, 2015, the Commission issued a Finding and Order (“Order”) granting Ohio Edison Company, The Cleveland Electric Illuminating Company and The Toledo Edison Company’s (collectively, “Companies”) Application to Complete studies related to the Ohio Site Deployment of the Smart Grid Program. In that Order, the Commission ordered the Companies to file an interim report regarding the data obtained from the Volt Var Optimization and Distribution Automation studies within 60 days from the date of the Order and annually thereafter. The Companies hereby submit their annual interim report on Smart Grid performance from the Smart Grid in-service date of June 1, 2014 through May 31, 2016.

Distribution Automation

For the 34 Smart Grid Circuits, the Companies, in order to benchmark the pilot area’s reliability metrics, averaged the 5 year reliability metrics for that area (SAIDI and SAIFI) for years 2005 through 2009. Then, the Companies collected outage data from June 1, 2014 through May 31, 2016. The results were:

Two Year Annualized Smart Grid Circuit Performance (June 2014 - May 2016)

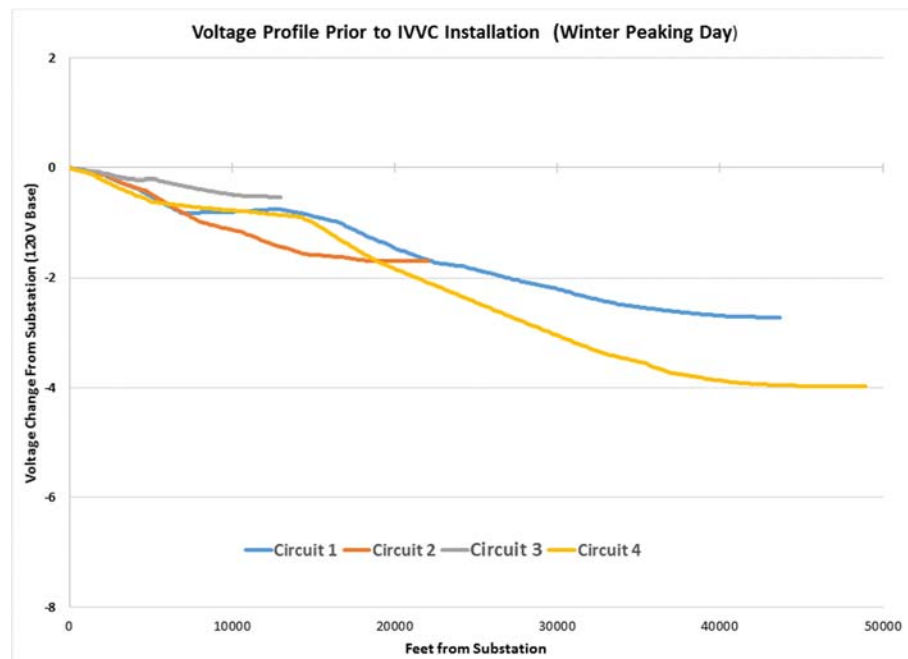
	Customers Interrupted	CMI	Customers Served	SAIFI	SAIDI
5 Yr Avg (2005-2009)	64,818	7,681,489	42,790	1.51	179.52
Smart Grid Circuits (12 Mo. Avg.)	57,463	5,780,739	45,578	1.26	126.83
Savings	7,356	1,900,750		0.25	52.68
			% Improvement	16.77%	29.35%

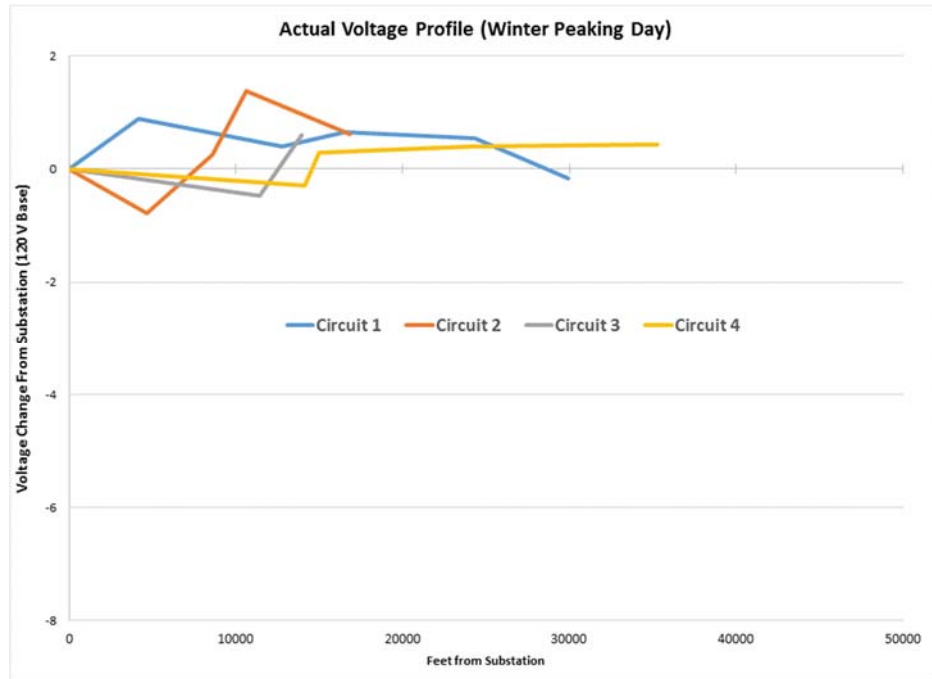
Notes

1. Outages include, Distribution, Substation, and Transmission, excludes major storms
2. Reliability improvements are only conclusive after 5 years of data collection and analysis
3. Includes tap outages that would not have been affected by Smart Grid facilities

Integrated Volt Var Control

The Companies have 34 circuits with IVVC capability. All circuits are being controlled by the software using a range of modes of operation. The Companies have collected voltage data on circuits for a representative substation in the pilot area and compared the voltage profiles before and after the installation of IVVC. The results are:





The Companies have begun collecting data associated with the modes of operation and will provide further results in their next annual report due on or around July 27, 2017.

Respectfully submitted,

/s/ Carrie M. Dunn

Carrie M. Dunn (0076952)

Counsel of Record

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CERTIFICATE OF SERVICE

On July 27, 2016, the foregoing document was filed on the Public Utilities Commission of Ohio's Docketing Information System. The PUCO's e-filing system will electronically serve notice of the filing of this document and the undersigned has served electronic copies to the following parties:

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/s/ Carrie M. Dunn
One of the Attorneys for Ohio Edison Company, The Cleveland Electric Illuminating Company and The Toledo Edison Company

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Case No(s). 09-1820-EL-ATA, 09-1821-EL-GRD, 09-1822-EL-EEC, 09-1823-EL-AAM

Summary: Report electronically filed by Ms. Carrie M Dunn on behalf of The Cleveland Electric Illuminating Company and Ohio Edison Company and The Toledo Edison Company