

**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 the) Case No. 16-743-EL-POR
Energy Efficiency and Peak Demand)
Reduction Program Portfolio Plans for)
2017 through 2019.)

**LIMITED OBJECTION TO THE UTILITY'S PROPOSED SCHEDULE
BY
THE OFFICE OF THE OHIO CONSUMERS' COUNSEL**

The Office of the Ohio Consumers' Counsel ("OCC") objects to the proposed schedule included in FirstEnergy's¹ application² in this case because it is unnecessarily expedited. OCC is not seeking significant changes to the schedule proposed by the Utility. Rather, OCC seeks only that it and other intervenors be entitled to the full amount of time that they are entitled to under applicable PUCO rules, in order to ensure that consumers are adequately protected.

I. THERE IS NO REASON TO EXPEDITE THIS CASE.

FirstEnergy's proposed schedule includes two deadlines that are inconsistent with PUCO rules. First, the Utility proposes that objections to the Portfolio Application be filed by May 30, 2016, which is 45 days after the application was filed.³ The PUCO rules, by contrast, give parties 60 days to review a portfolio application and file objections. *See* Ohio Admin. Code ("OAC") 4901:1-39-04(D) ("any person may file

¹ Ohio Edison Company, the Cleveland Electric Illuminating Company, and the Toledo Edison Company are collectively referred to herein as "FirstEnergy" or the "Utility."

² *See* Case No. 16-743-EL-POR, Application (Apr. 15, 2016) (the "Portfolio Application").

³ *See* Portfolio Application ¶ 34.

objections within sixty days after the filing of an electric utility's program portfolio plan"). FirstEnergy has not provided any good cause for requiring parties to file objections early.

Second, the Utility proposes that intervenor testimony be filed four weeks before the evidentiary hearing.⁴ The Ohio Administrative Code, however, permits parties to file expert testimony in a portfolio case up to seven days before the hearing begins. *See* OAC 4901-1-29(A)(1)(h). OCC supports a schedule in which intervenor testimony is filed more than seven days ahead of the hearing as long as FirstEnergy is required to file its rebuttal testimony before the hearing begins and intervenors are permitted to take additional discovery if new issues are raised by the Utility's rebuttal testimony.

A. The PUCO should adopt OCC's proposed schedule because it is consistent with the PUCO rules and adequately balances the interests of both consumers and the Utility.

OCC proposes the following procedural schedule:

Event	Deadline
Companies File Proposed Plans	April 15, 2016
Company-Sponsored Technical Conference	May 9, 2016
Objections and Motions to Intervene Due	June 14, 2016
Intervenor Testimony Due	June 28, 2016
Utility Rebuttal Testimony Due	July 8, 2016
Discovery Deadline – Intervenors and the Utility (Other than Depositions)	July 15, 2016
Discovery Responses Due	July 25, 2016 ⁵
Evidentiary Hearings Begin	August 1, 2016
Briefs and Reply Briefs Due	As agreed at close of hearing
Commission Order Issued	At the discretion of the PUCO

⁴ *See* Portfolio Application ¶ 34 (evidentiary hearing to begin the week of July 11 and intervenor testimony due four weeks earlier on June 13, 2016).

⁵ OCC proposes that the response deadline for discovery be shortened from 20 days (*see* OAC 4901-19-(A), 4901-1-20(C)) to 10 days to provide parties adequate time to analyze discovery responses before the hearing. *See* Case No. 12-2190-EL-POR, Entry ¶ 6 (Aug. 16, 2012) (attorney examiner concluding in FirstEnergy's prior portfolio case that discovery responses were due in 10 days to "help ensure that all parties are properly prepared for hearing").

OCC's proposed schedule does not substantially alter the schedule proposed by FirstEnergy:

- The deadline for objections and motions to intervene is moved back by two weeks to June 14, 2016 to comply with OAC 4901:1-39-04(D).
- The deadline for intervenor testimony is changed from June 13, 2016 to June 28, 2016 so that intervenors have adequate time to review the Utility's responses to discovery requests before filing their testimony.
- A deadline for FirstEnergy's rebuttal testimony is set for July 8, 2016.
- The deadline for both intervenor and Utility discovery is changed to July 15, 2016 so that intervenors can take discovery based on issues raised in the Utility's rebuttal testimony.⁶
- The evidentiary hearing will begin on or around August 1, 2016.
- Briefs and reply briefs will still be due at an agreed-upon time at the hearing.
- The PUCO will enter an order at its discretion.

OCC's proposed schedule is reasonable because it (i) gives intervenors 60 days to file objections to the Portfolio Application, as provided by OAC 4901:1-39-04(D), (ii) provides for rebuttal testimony to be filed before the hearing so that the Utility is not required to file it after the hearing begins and parties are able to review the testimony before the hearing, (iii) permits intervenors to take additional discovery, if necessary, after the Utility's rebuttal testimony is filed, and (iv) does not prejudice FirstEnergy

⁶ FirstEnergy does not explain in its application why intervenors should have less time for discovery than the Utility, which bears the burden of proof in this case. *See* OAC 4901:1-39-04(E). Intervenors and the Utility should have an equal opportunity to serve discovery.

because there is adequate time after the hearing concludes for the PUCO to rule on FirstEnergy's Portfolio Application.

B. OCC's proposed schedule allows for development of a robust record in this case for the benefit of protecting consumers who ultimately will be asked to pay the portfolio costs and allows plenty of time for the PUCO to render a decision on the Portfolio Application.

FirstEnergy asserts that an expedited schedule is appropriate because (i) the proposed plans are "generally extensions of the Prior Plans, only with additional measures, many of which were requested by members of the Collaborative Group," (ii) FirstEnergy has already discussed the proposed programs and measures with the collaborative group, (iii) FirstEnergy has provided an overview of the proposed plans, (iv) FirstEnergy has agreed to host a technical workshop to answer questions, and (v) the proposed schedule is similar to the procedural schedule used in FirstEnergy's previous portfolio case.⁷ Although OCC appreciates FirstEnergy's efforts to keep the collaborative group informed and plans to attend the technical workshop, the factors that FirstEnergy identifies do not justify an expedited schedule.

1. FirstEnergy will not be burdened by OCC's proposed schedule that allows the full 60 days for objections.

FirstEnergy's proposed schedule is intended to permit the PUCO to issue an order on its application by September 30, 2016.⁸ To accomplish this goal, FirstEnergy proposes that the 60-day deadline for filing objections under OAC 4901:1-39-04(D) be

⁷ See Portfolio Application ¶ 34.

⁸ See *id.*

reduced to 45 days.⁹ Reducing the amount of time that intervenors have to file objections in this case is unnecessary for at least three reasons.

First, although FirstEnergy asserts that an order needs to be entered by September 30, 2016 "so as to avoid any potential delay in implementing the Proposed Plans on January 1, 2017," it has not submitted any evidence that an order after that date will actually cause any delay. FirstEnergy, as the party asking the PUCO to alter the schedule provided for by rule, bears the burden of establishing the need for such change. FirstEnergy has not provided any evidence or valid argument to support the September 30, 2016 deadline.

Second, as FirstEnergy notes, its proposed schedule is similar to the procedural schedule that was used in its previous portfolio case.¹⁰ That case, however, was filed on July 31, whereas this case was filed on April 15—three and a half months earlier in the year. To the extent that an expedited schedule may have been warranted in FirstEnergy's previous portfolio case, the same justification does not apply here. Here, the Utility has the benefit of filing its case much earlier in the year, leaving sufficient time for the case to proceed according to the standard schedule provided by the PUCO rules.

Third, the PUCO has already concluded that the other electric distribution utilities in Ohio do not need to file their portfolio cases until June 15 of this year.¹¹ If time were of the essence and the PUCO did not believe that it could adjudicate portfolio cases in a timely manner, it would not have agreed to postpone the deadline for the other electric distribution utilities by two months. It follows, therefore, that by filing its case on April

⁹ *See id.*

¹⁰ *See id.* ¶ 34.

¹¹ *See* Entry (Apr. 7, 2016) in Case Nos. 16-574-EL-POR, 16-576-EL-POR, 16-649-EL-POR.

15, FirstEnergy is well positioned to obtain a decision in this case without expediting the trial schedule.

2. The collaborative process and technical conference are not a substitute for thorough, complete litigation of this case under the PUCO rules, which is required to protect consumers from the potential for unreasonable portfolio charges.

FirstEnergy attempts to justify its proposed expedited schedule by citing to the pre-filing collaborative process and the upcoming technical conference.¹² The collaborative process and technical conference, however, cannot act as a substitute for full discovery and litigation in this case.

As FirstEnergy acknowledges, it has "already discussed with the Collaborative Group the program and measure mix that [it] intended to include" in its portfolio plan.¹³ The information provided through the collaborative process, while helpful, falls well short of the level of detail required to analyze FirstEnergy's programs for cost effectiveness, program design, and other critical features that should be readily available to FirstEnergy's customers.

FirstEnergy distributed to the collaborative group a 37-page presentation in advance of a February 9, 2016 collaborative meeting.¹⁴ The February 9 Presentation included preliminary results from 2013-2015, identified the proposed plan's targets, discussed FirstEnergy's objectives, included a basic overview of the Harbourfront Group Market Potential Study, and identified potential programs that could be included in

¹² See Portfolio Application ¶ 34.

¹³ See *id.*

¹⁴ A copy of this presentation (the "February 9 Presentation") is attached hereto as Exhibit A.

FirstEnergy's portfolio plan.¹⁵ The program descriptions in this presentation are brief, some no longer than a single sentence.¹⁶ The presentation does not include material information on proposed costs, program design, or cost recovery mechanisms. This information is critical to evaluating programs that ultimately consumers are expected to pay for. And as FirstEnergy acknowledged at the beginning of the presentation, the information contained therein was "preliminary," "intended to provide generally descriptive or summary information," and "subject to change."¹⁷

FirstEnergy distributed a second presentation in advance of a March 22, 2016 collaborative meeting.¹⁸ This presentation included additional information on projected savings, budgets, and a more definitive list of programs. The program descriptions remained brief, however, and the information in this presentation is substantially less detailed than the information in the Portfolio Application. As in the February 9 Presentation, all information was "preliminary," "intended to provide generally descriptive or summary information," and "subject to change."¹⁹

In addition, neither the February 9 Presentation nor the March 22 Presentation included a draft of the Market Potential Study, and FirstEnergy did not otherwise provide a copy of the study or any drafts prior to filing its Portfolio Application.

In contrast to the preliminary, summary information contained in the two pre-filing presentations, FirstEnergy's Portfolio Application contains extensive, detailed information over the course of 483 pages. Intervenors could not have performed any

¹⁵ See February 9 Presentation.

¹⁶ See *id.* at 12-15 (describing residential programs at only a very high level).

¹⁷ See *id.* at 2.

¹⁸ A copy of this presentation (the "March 22 Presentation") is attached hereto as Exhibit B.

¹⁹ See March 22 Presentation at 2.

meaningful analysis of FirstEnergy's portfolio plan based solely on the information provided through the collaborative process. It was not until FirstEnergy filed the Portfolio Application itself on April 15 that parties had the information necessary to begin to evaluate it for compliance with applicable Ohio laws and rules. And it will not be until intervenors have taken discovery that they can fully formulate objections and comments to the Portfolio Application.

Similarly, the technical conference that FirstEnergy proposes does not warrant an abbreviation of the 60-day period for objections. Parties may be able to obtain some information at the technical conference, but the technical conference does not take the place of discovery. The technical conference should be in addition to, and not in place of, a full pre-hearing process that permits parties to adequately prepare for the hearing.

Accordingly, the collaborative process and technical conference do not justify shortening the 60-day period to file objections to the Portfolio Application.

3. FirstEnergy's characterization of the programs as mere "extensions" of their prior plans is misleading, does not protect consumers, and does not support an abbreviated schedule.

FirstEnergy states that the abbreviated schedule is justified in part because the programs that it proposes are "generally extensions of the Prior Plans, only with additional measures, many of which were requested by members of the Collaborative Group."²⁰ This is misleading because (i) there are at least 12 new measures for residential customers that were not included in FirstEnergy's prior plans,²¹ and (ii) individual measures within a program are themselves complex and expensive and

²⁰ See Portfolio Application ¶ 34.

²¹ See Portfolio Application, Attachment A at 25.

require thorough review and evaluation. Furthermore, FirstEnergy discontinued the vast majority of its programs for 2015 and 2016. Thus, even those programs that are "extensions" of prior programs have been on hiatus for two years and will require the PUCO's and intervenors' close scrutiny.

II. CONCLUSION

OCC does not ask the PUCO to substantially delay its review of FirstEnergy's Portfolio Application. OCC simply asks that it and other intervenors be allowed the full 60 days provided by rule to analyze and formulate objections to the Portfolio Application. There are many issues that must be analyzed, and the information is just now coming to light. It is problematic for consumers to expedite this schedule. The schedule that OCC proposes balances the interests of consumers, the Utility and the PUCO in the development of a robust record without unduly prejudicing the Utility. The hearing under OCC's proposed schedule begins just three weeks later than in the schedule proposed by FirstEnergy. This three-week extension of the schedule will benefit all parties, and FirstEnergy will have sufficient time to implement any programs that the PUCO might approve.

Respectfully submitted,

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CERTIFICATE OF SERVICE

I hereby certify that a copy of this Limited Objection was served on the persons stated below via electric transmission this 29th day of April 2016.

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Ohio Energy Efficiency Collaborative Meeting 2017-2019 Portfolio Development

*The Cleveland Electric Illuminating Company
Ohio Edison Company
The Toledo Edison Company*

February 9, 2016
Distributed February 2, 2016



Disclaimer

The information contained in this presentation material preliminary and is intended to provide generally descriptive or summary information. The information is subject to change and is subject to verification.

Agenda

■ Purpose of today's meeting

- Review historical results, future targets, timeline and plan objectives
- Discuss status of Market Potential Study
- Review initial thoughts on programs and subprograms
 - Existing programs/subprograms/measures to be continued
 - Suspended programs/subprograms to be restarted
 - New programs/subprograms/measures under consideration
- Solicit feedback and program input
- Review next steps

Preliminary Annual Results

Sector	2013 GWh	2014 GWh	2015 GWh ¹	2013 Cost	2014 Cost	2015 Cost ¹
Residential	275	270	38	\$30 M	\$27 M	\$8 M
Small C&I	169	165	102	\$10 M	\$11 M	\$6 M
Mercantile	104	152	13	\$5 M	\$6 M	
Large C&I	82	113	130	\$7 M	\$11 M	\$10 M
Government	1					
T&D	45	73			\$1 M	
Total	676	774	284	\$51 M	\$56 M	\$24 M

¹ Represents preliminary numbers and excludes CAP and T&D values.

Phase III Targets ⁴

FE Ohio Robust Plan Target, GWh ²			Statutory EE Targets, GWh ³		
2017	2018	2019	2017	2018	2019
800	800	800	550	550	550

² Contingent on approval of ESP IV Stipulated Agreement

³ Preliminary, approximate annual incremental, final targets to be determined

⁴ Values do not yet reflect impact of customer opt outs

Portfolio Overview and Objectives

Concept portfolio is a comprehensive suite of programs intended to achieve the Companies ESP IV commitment

- **Achieve EE and DR targets established in the Companies' ESP IV stipulated agreement**
 - Attains annual energy savings significantly above compliance targets
 - Contingent on approval of ESP IV
- **Build upon success of existing plans and expand offerings**
 - Restart previously suspended programs
 - Incorporate ESP IV commitments
 - Include best practices, based on review of other utilities and nationally recognized programs
 - Address stakeholder input
- **Meet all regulatory requirements**
 - Cost-effectiveness
 - Equity among customer classes, etc.

Plan Development Overview

- **3-Year Timeline January 1, 2017 – December 31, 2019**

- **Current plan development activities:**

- Identify potential measures and programs
- Continue to solicit stakeholder input
- Complete Avoided T&D and Market Potential Studies
- Develop plan assumptions and modeling

- **Anticipated Plan Approval Process/Timeline:**

Plan Filing Date	April 15, 2016
Commission Order	Request by September 30, 2016
Programs Begin	January 1, 2017

Best Practices Review

■ **Consideration of new program**

- Emerging technologies balanced with cost effectiveness & proven experience
- Innovative marketing, education and customer awareness
- Ability to address hard to reach markets, remove barriers

■ **Reviewing Utility Peer Offerings, Efficiency Industry Groups and Awards for program ideas**

- Reverse auction, expanding mid-stream incentives, agricultural
- Exploring new program delivery channels (e.g. religious/charitable organizations)
- New approaches to customer engagement (energy management, continuous improvement)

■ **Consideration of newer technologies**

- Energy Intelligence Software
- EPRI Energy Efficiency and Demand Response end use technology readiness (eg. heat pump clothes dryers, data centers, lighting)
- Smart Thermostats

■ **We are continuing to entertain new ideas – Collaborative Input**

Market Potential Study

Harbourfront Group, Inc.

George Fitzpatrick

February 9, 2016

Market Potential Study

- **Harbourfront Group, Inc. is conducting the Companies' Market Potential Study**
- **Includes a review of best practices programs both nationally and regionally**
- **Residential and C&I Surveys will gauge customers' acceptance and actual utilization of more energy efficient equipment**
- **Retailer surveys will measure the availability of the equipment and the impact of incentives for energy efficient technologies**

Market Potential Study (continued)

- **FirstEnergy Account Managers as well as the largest C&I customers will be surveyed to identify energy efficiency project potential**
- **Harbourfront's Market Potential Modeling process will estimate the potential for "free market penetration" of efficient residential equipment and commercial-industrial end uses**
- **This study will identify and provide screening information for potential new energy efficiency programs**
- **This study will evaluate new measures for consideration**

Market Potential Study (continued)

- **This study will also identify achievable potential using two funding level assumptions:**
 - The Market Potential Study identifies a Base Case with typical funding levels and incentives
 - The Market Potential Study then evaluates a High Case, which assumes higher spending on marketing and higher incentives
 - This High Case is based on increasing costs until the overall TRC test approaches 1.0

Residential Concept Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Appliance Turn In	This sub-program provides a rebate to consumers for turning in a selected working appliance.
School Education	This sub-program is a customized education program that is delivered by contracted performers and/or educators to elementary school children and teachers. The curriculum will educate students on energy efficiency and conservation measures. A "opt-in kit" will be utilized to introduce simple retrofit measures that the student can work with at home with their parents' involvement.
EE Kits	This sub-program will include a variety of items meant to introduce customer segments to energy efficient technologies that can be easily installed in the home, and serve as a gateway for broader home energy efficiency education. Provided items may include: Educational Materials, CFLs/LEDs, Faucet Aerators, Low Flow Shower Heads, Furnace Whistles, etc. EE Kit contents may also be customized to target specific customer end-uses (e.g. electric water heating).
Audits & Education	This sub-program offers residential customers an in-home energy audit with the direct installation of low cost energy savings measures at the time of the audit. Customers who implement recommended and eligible energy saving measures are entitled to additional rebates. In addition, the sub-program also allows customer to access an on-line energy audit that provides additional information for a customer to lower their energy usage.

Residential Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Behavioral	This sub-program provides energy usage reports and specific information about each customer's energy usage as well as analysis regarding their usage over time, with specific tips for conserving energy and other energy efficiency program opportunities that are available to them.
New Homes	The New Homes sub-program provides incentives to builders for achieving energy efficiency savings for site-built and manufactured housing through a combination of building shell and installed measures, including appliance upgrades.
Appliances	This sub-program will provide incentives for residential customers to purchase and install qualifying high efficiency appliances, such as: clothes washers and dryers, freezers, refrigerators, dehumidifiers and water heaters.
Smart Thermostat	Through the installation of smart thermostats, this sub-program will optimize operation of the customer's HVAC equipment to produce electric savings in the home.

Residential Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Consumer Electronics	This sub-program will provide incentives to encourage the purchase of qualifying high efficiency consumer electronics, such as computers, monitors, imaging equipment, televisions and home control/automation technology.
Lighting	This sub-program will provide incentives for residential customers to purchase and install qualifying high efficiency lighting products, such as CFL and LED lamps, fixtures, occupancy sensors, and other qualifying products.
HVAC	This sub-program will provide incentives for residential customers to purchase and install qualifying high efficiency HVAC equipment such as air conditioners, heat pumps, central air conditioner, ductless mini-split systems, furnace fan upgrades, smart thermostats, and other qualifying products.
Customer Action Program - Res	The Customer Action Program recognizes energy efficiency savings and peak demand reductions achieved through actions taken by customers outside of the utility programs. The energy savings are captured by a variety of market information, which may include, surveying efforts, market research, reports from retailers, administrators and trade allies, site verification visits and other evaluation, measurement and verification activities.

Residential Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Community Connections	This program provides energy education through an in-home energy use evaluation and home improvements (e.g. weatherization, appliance replacement, electric water heating inspection, faucet aerators and energy education services).
LI - New Homes	This sub-program provides incentives for the construction of energy efficient housing through a combination of building shell improvements, installed measures and appliance upgrades.

Small C&I Concept Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
HVAC - SCI	The sub-program is intended to encourage customers to install more efficient HVAC equipment in an effort to reduce both energy consumption and demand in the HVAC end use category. Incentives will be provided to encourage customers to upgrade less efficient HVAC equipment to higher efficiency units.
Lighting - SCI	The sub-program is intended to encourage customers to install more efficient lighting equipment in an effort to reduce both energy consumption and demand in the lighting end use category. Incentives will be provided to customers for upgrading less efficient lighting systems to higher efficiency lighting and controls.
Food Service	The food service sub-program is intended to encourage customers to install more efficient food service equipment in an effort to reduce both energy consumption and demand in the food service sector. Incentives will be offered for the installation of new, energy efficient systems and equipment.
Appliance Turn In - SCI	This sub-program program provides a rebate to non-residential customer for turning in a selected working appliance.

Small C&I Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Appliances - SCI	This sub-program will provide incentives for customers to purchase and install qualifying high efficiency appliances, such as: clothes washers and dryers, freezers, refrigerators, dehumidifiers and water heaters.
Consumer Electronics - SCI	This sub-program will provide incentives to encourage the purchase of qualifying high efficiency consumer electronics, such as computers, monitors, imaging equipment, televisions and control/automation technology.
Agricultural	The agriculture sub-program is intended to encourage customers to install energy efficient equipment in an effort to reduce both energy consumption and demand in the agricultural customer sector. Incentives will be provided to customers and retailers that sell energy efficient equipment related to the milking and ventilation systems on farms
Data Centers - SCI	The data center sub-program is intended to encourage customers with data center facilities to retrofit or install more efficient specialized processes and applications in an effort to reduce both energy consumption and demand. Audits and incentives will be provided to customers for upgrading less efficient specialized processes and applications (e.g. efficient services, variable frequency drives, air handlers, UPS systems, etc.).

Small C&I Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Custom - SCI	Custom measures within the sub-program are intended to encourage customers to retrofit or install more efficient specialized processes and applications in an effort to reduce both energy consumption and demand. Incentives will be provided to customers for upgrading less efficient specialized processes and applications, such as variable frequency drives, motors, compressed air, equipment replacement, combined heat and power, process change, etc. to high efficiency specialized processes and applications.
Retro - Commissioning - SCI	The retro-commissioning sub-program is intended to encourage customers to engage in the systematic process to identify the less than optimal performance of the building's HVAC, lighting and control systems and improve the overall operation of these systems. The sub-program also includes the use of continuous improvement engagement activities.
Custom Buildings - SCI	The Custom Buildings sub-program is intended to encourage customers to install specialized building shell or systems improvements to reduce energy consumption and demand by improved building energy performance.
Audits & Education - SCI	This sub-program is intended to encourage customers to complete a detailed energy efficiency audit for commercial and industrial operational or manufacturing processes, building shell/envelope or building systems. This program will provide financial support through incentives toward the customer's cost of the audit. In addition, the sub-program will also utilize direct installation of qualified energy efficiency measures with additional incentive for comprehensive retrofits. This sub-program may also include other customer engagement and energy education activities, such as energy manager, energy reporting, and/or benchmarking. Virtual/remote audits, energy analysis software, or other energy usage efficiency tools may be provided to support customer energy efficiency education.
Customer Action Program - SCI	The Customer Action Program recognizes energy efficiency savings and peak demand reductions achieved through actions taken by customers outside of the utility programs. The energy savings are captured by a variety of market information, which may include, surveying efforts, market research, reports from retailers, administrators and trade allies, site verification visits and other evaluation, measurement and verification activities.

Large C&I Concept Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
HVAC - LCI	The sub-program is intended to encourage customers to install more efficient HVAC equipment in an effort to reduce both energy consumption and demand in the HVAC end use category. Incentives will be provided to encourage customers to upgrade less efficient HVAC equipment to higher efficiency units.
Lighting - LCI	The sub-program is intended to encourage customers to install more efficient lighting equipment in an effort to reduce both energy consumption and demand in the lighting end use category. Incentives will be provided to customers for upgrading less efficient lighting systems to higher efficiency lighting and controls.
Data Centers - LCI	The data center sub-program is intended to encourage customers with data center facilities to retrofit or install more efficient specialized processes and applications in an effort to reduce both energy consumption and demand. Audits and incentives will be provided to customers for upgrading less efficient specialized processes and applications (e.g. efficient services, variable frequency drives, air handlers, UPS systems, etc.).
Custom - LCI	Custom measures within the sub-program are intended to encourage customers to retrofit or install more efficient specialized processes and applications in an effort to reduce both energy consumption and demand. Incentives will be provided to customers for upgrading less efficient specialized processes and applications, such as variable frequency drives, motors, compressed air, equipment replacement, combined heat and power, process change, etc. to high efficiency specialized processes and applications.

Large C&I Concept Portfolio (Cont'd)

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Energy Efficiency Auction - LCI	The sub-program is a process for large commercial/industrial/governmental customers to bid projects that will retrofit or install more efficient specialized process and applications.
Retro - Commissioning - LCI	The retro-commissioning sub-program is intended to encourage customers to engage in the systematic process to identify the less than optimal performance of the building's HVAC, lighting and control systems and improve the overall operation of these systems. The sub-program also includes the application of continuous improvement engagement activities.
Custom Buildings - LCI	The Custom Buildings sub-program is intended to encourage customers to install specialized building shell or systems improvements to reduce energy consumption and demand by improved building energy performance.
Audits & Education - LCI	This sub-program is intended to encourage customers to complete a detailed energy efficiency audit for commercial and industrial operational or manufacturing processes, building shell/envelope or building systems. This program will provide financial support through incentives toward the customer's cost of the audit. In addition, the sub-program will also utilize direct installation of qualified energy efficiency measures with additional incentive for comprehensive retrofits. This sub-program may also include other customer engagement and energy education activities, such as energy manager, and/or benchmarking. Energy analysis software, or other energy usage efficiency tools may be provided to support customer energy efficiency education.
Customer Action Program - LCI	The Customer Action Program recognizes energy efficiency savings and peak demand reductions achieved through actions taken by customers outside of the utility programs. The energy savings are captured by a variety of market information, which may include, surveying efforts, market research, reports from retailers, administrators and trade allies, site verification visits and other evaluation, measurement and verification activities.

Government Concept Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Government Tariff Lighting	The Street Lighting subprogram leverages the Company's approved street light tariffs.

Other - Concept Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Mercantile	Captures energy efficiency and peak demand reduction projects committed to the Company by Mercantile customers as provided for by O.R.C. 4928.01 and 4928.66
T&D Upgrades	Captures savings achieved through various T&D projects that reduce losses, which in turn results in a more efficient delivery system.
Smart Grid	Capture savings from Company's investment in Smart Grid systems and technology.

Concept Demand Response Portfolio

OH 2017-2019 Concept EE&PDR Plan	
Sub-Program	Sub-Program Description / Changes
Direct Load Control	This Residential program consists of reducing a customer's energy usage and demand during peak demand periods.
Demand Response - LCI	Captures load curtailment and curtailable capacity from the Companies' interruptible load programs and from additional demand resources, including resources participating in the PJM Market or through contracts for demand response attributes with customers or PJM CSPs.

Next Steps and Closing Remarks

- Continue plan development efforts to address best practices, potential study and stakeholder input
- Complete program designs, budgets, projections and modeling to support the Companies' filing on or before April 15, 2016
- Input requested by: **February 23, 2016**
- Next Stakeholder meeting: **March 22, 2016**
- FirstEnergy continues to look forward to working with its stakeholders to achieve energy efficiency goals

Thank You



Appendix

Subprogram/Measure level data

Residential Concept Portfolio			
Sector	Sub-Program	Measure	Status
Residential	Appliance Turn In	Refrigerator Recycling	Existing
		Freezer Recycling	Existing
		Room Air Conditioner Recycling	Existing
		Dehumidifier Recycling	Potential
	School Education	School Education	Existing
	EE Kits	Energy Efficiency Measures	Existing
	Audits & Education	Comprehensive Audit	Existing
		Multi Family Audit	Potential
		On-Line Audit	Existing
	Behavioral	Behavioral	Existing
	<i>Behavioral - DR</i>	Behavioral - DR	Potential
	New Homes	New Construction -Townhouse and Duplexs	Existing
		New Construction - Two-on-Two Condos	Existing
		New Construction - Single Family Detached	Existing
		New Construction - Multi Family Low Rise	Existing
		New Manufactured Housing	Potential
	Smart Thermostat	Smart Thermostat	Potential

Subprogram/Measure level data

Residential Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Residential	Appliances	Clothes Washer	Existing
		Clothes Dryer - (Elec w Moisture Sensor)	Potential
		Clothes Dryer - (Elec Heat Pump)	Potential
		Freezers	Existing
		Refrigerators	Existing
		Dehumidifiers	Existing
		Water Heater - Heat Pump	Existing
		Water Heater - Solar	Existing
	Consumer Electronics	Home Technology & Automation	Potential
		Monitors	Existing
		Computers	Existing
		Imaging	Existing
		Set Top Boxes	Potential
		TVs	Existing
	Lighting	CFL Lamps	Existing
		CFL Fixtures	Existing
		LED Fixtures	Existing
		LED Lamps	Existing
		LED Holiday Lights	Existing
		Residential Occupancy Sensors	Potential

Subprogram/Measure level data

Residential Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Residential	HVAC	Heat Pump	Existing
		Central Air Conditioner	Existing
		Room Air Conditioner	Existing
		Ductless Mini-Split Heat Pump	Existing
		PTAC - Multi Family	Potential
		PTHP - Multi Family	Potential
		Heat Pump - Water & GeoT	Existing
		HVAC - Maintenance	Existing
		Furnace Fans	Existing
		Programmable/SMART Thermostat	Potential
	Customer Action Program - Res	Customer Action Program - Res	Existing
	Direct Load Control	Res Direct Load Control	Existing
	Community Connections	Community Connections	Existing
	LI - New Homes	LI New Construction	Potential

Subprogram/Measure level data

Small Enterprise Concept Portfolio			
Sector	Sub-Program	Measure	Status
Small Enterprise	HVAC - SCI	Room Air Conditioner - SCI	Existing
		Air Conditioning - <=5.4 Tn - SCI	Existing
		Air Conditioning - >5.4 < 20 Tn - SCI	Existing
		Air Conditioning - >=20 Tn - SCI	Existing
		Chiller - Water Cld w Full Load - SCI	Existing
		Heat Pump - <=5.4 Tn - SCI	Existing
		Heat Pumps - >5.4 Tn - SCI	Existing
		Heat Pumps - Water & GeoT - SCI	Existing
		HVAC - Maintenance - SCI	Existing
		Ductless Mini-Split HP - SCI	Existing
		PTAC - SCI	Existing
		PTHP - SCI	Existing
	Lighting - SCI	CFL Fixtures - SCI	Existing
		CFL Lamps - SCI	Existing
		Lighting Controls (Daylight & Occupancy) - SCI	Existing
		Linear Fluorscent T8 / T5 - SCI	Existing
		LED Linear - SCI	Existing
		LED Channel Signage - SCI	Existing
		Exit Signs - SCI	Existing
		LED Fixtures External - SCI	Existing
		LED Fixtures Internal - SCI	Existing
		LED Lamps - SCI	Existing
		LED Reach in Refrigerator / Freezer Lights - SCI	Existing
		Street & Area Lighting (Customer Owned) - SCI	Existing

Subprogram/Measure level data

Small Enterprise Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Small Enterprise	Food Service	Refrigerators - Reach In - SCI	Existing
		Freezers - Reach In - SCI	Existing
		Ice Machines - SCI	Existing
		Refrigerated Case Cover - SCI	Existing
		Strip Curtains - SCI	Existing
		Anti Sweat Heater Controls - SCI	Existing
		Beverage Vending Machine - Controls - SCI	Existing
		Beverage Vending Machine - New EE- SCI	Potential
		Combination Oven - SCI	Existing
		Convection Oven - SCI	Existing
		Steam Cookers - SCI	Existing
		Fryers - SCI	Existing
		Griddles - SCI	Existing
		Hot Food Holding Cabinet - SCI	Existing
	Appliance Turn In - SCI	Refrigerator Recycling - SCI	Existing
		Freezer Recycling - SCI	Existing
		Room Air Conditioner Recycling - SCI	Existing
		Dehumidifiers Recycling - SCI	Potential

Subprogram/Measure level data

Small Enterprise Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Small Enterprise	Appliances - SCI	Clothes Washer - SCI	Existing
		<i>Clothes Dryer (Elec w Moisture Sensor) - SCI</i>	<i>Potential</i>
		<i>Clothes Dryer (Elec Heat Pump) - SCI</i>	<i>Potential</i>
		Refrigerators - SCI	Existing
		Water Heater - Heat Pump - SCI	Existing
		Water Heater - Solar - SCI	Existing
		Freezers - SCI	Existing
		Pre-Rinse Sprayers - SCI	Existing
		<i>Dishwasher - Commercial - SCI</i>	<i>Potential</i>
	Consumer Electronics - SCI	<i>Uninterruptible Power Supply - SCI</i>	<i>Potential</i>
		Monitors - SCI	Existing
		Computers - SCI	Existing
		Imaging - SCI	Existing
		<i>Small Network - SCI</i>	<i>Potential</i>
	Agricultural	<i>Efficient Dairy Equipment - SCI</i>	<i>Potential</i>
		<i>High Efficiency Fans - SCI</i>	<i>Potential</i>
	Data Centers - SCI	Custom - Data Centers (Servers)- SCI	Existing
		Custom - DC HVAC - SCI	Existing
		DC Audit - SCI	Existing

Subprogram/Measure level data

Small Enterprise Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Small Enterprise	Custom - SCI	Custom - Process Improvement - SCI	Existing
		Custom - HVAC & Chillers - SCI	Existing
		Custom - Compressed Air - SCI	Existing
		Custom - VFDs < 10HP - SCI	Existing
		Custom - VFDs > 10 HP - SCI	Existing
		Custom-Motors - Three Phase - SCI	Existing
		Custom - Refrigeration - SCI	Existing
	Retro - Commissioning - SCI	Custom Retrocommissioning - SCI	Existing
		Continuous Improvement - SCI	Existing
	Custom Buildings - SCI	Custom - Building Improvements - SCI	Existing
		Custom - Building Operation Training - SCI	Potential
		Custom - Energy Management - SCI	Existing
	Audits & Education - SCI	Energy Manager - SCI	Potential
		Energy Software - SCI	Potential
		Multi Family Audit - SCI	Potential
		Benchmarking - SCI	Potential
		Audit - SCI	Existing
		Audits w Direct Install - SCI	Existing
		Behavioral - SCI	Potential
		Audit - Virtual - SCI	Potential
		Comprehensive Audit w Retrofits - SCI	Potential
	Customer Action Program - SCI	Customer Action Program - SCI	Existing

Subprogram/Measure level data

Government Concept Portfolio			
Sector	Sub-Program	Measure	Status
Government	Government Tariff Lighting	LED - Traffic Signals - Gov	Existing
		LED Street lighting (Tariff / Utility Owned)	Potential
		Street & Area Lighting (Tariff / Utility Owned) - Gov	Existing
		Street & Area Lighting (Tariff / Customer Owned) - Gov	Existing

Subprogram/Measure level data

Large Enterprise Concept Portfolio			
Sector	Sub-Program	Measure	Status
Large Enterprise (Mercantile Utility)	HVAC - LCI	Air Conditioning - <=5.4 Tn - LCI	Existing
		Chiller - Water Cld w Full Load - LCI	Existing
		Air Conditioning - >5.4 < 20 Tn - LCI	Existing
		Air Conditioning - >=20 Tn - LCI	Existing
		Heat Pump - <=5.4 Tn - LCI	Existing
		Heat Pumps - >5.4 Tn - LCI	Existing
		Heat Pumps - Water & GeoT - LCI	Existing
		HVAC Maintenance - LCI	Existing
		Ductless Mini-Split HP - LCI	Existing
		PTAC - LCI	Potential
		PTHP - LCI	Potential
	Lighting - LCI	CFL Fixtures - LCI	Existing
		CFL Lamps - LCI	Existing
		Lighting Controls (Daylight & Occupancy) - LCI	Existing
		Linear Fluorscent T8 / T5 - LCI	Existing
		LED Linear - LCI	Existing
		LED Channel Signage - LCI	Existing
		Exit Signs - LCI	Existing
		LED Fixtures External - LCI	Existing
		LED Fixtures Internal - LCI	Existing
		LED Lamps - LCI	Existing
		Street & Area Lighting (Customer Owned) - LCI	Existing

Subprogram/Measure level data

Large Enterprise Concept Portfolio (Cont'd)			
Sector	Sub-Program	Measure	Status
Large Enterprise (Mercantile Utility)	Data Centers - LCI	Custom - DC HVAC - LCI	Existing
		Custom - Data Centers (Servers) - LCI	Existing
		DC Audit - LCI	Existing
	Custom - LCI	Custom - Process Improvement - LCI	Existing
		Custom - HVAC & Chillers - LCI	Existing
		Custom - Compressed Air - LCI	Existing
		Custom - VFDs < 10HP - LCI	Existing
		Custom - VFDs > 10 HP - LCI	Existing
		Custom-Motors - Three Phase - LCI	Existing
		Custom - Refrigeration - LCI	Existing
	<i>Energy Efficiency Auction - LCI</i>	<i>Custom - EE Auction - LCI</i>	<i>Potential</i>
	Retro - Commissioning - LCI	Custom Retrocommissioning - LCI	Existing
		Continuous Improvement - LCI	Existing
	Custom Buildings - LCI	Custom - Building Improvements - LCI	Existing
		<i>Custom - Building Operation Training - LCI</i>	<i>Potential</i>
		Custom - Energy Management - LCI	Existing
	Audits & Education - LCI	Audit - LCI	Existing
		<i>Energy Software - LCI</i>	<i>Potential</i>
		<i>Energy Manager - LCI</i>	<i>Potential</i>
		<i>Benchmarking - LCI</i>	<i>Potential</i>
	Demand Response-LCI	Demand Resources - LCI	Existing
		ELR Interruptible Tariff	Existing
	Customer Action Program - LCI	Customer Action Program - LCI	Existing

Subprogram/Measure level data

Other-Concept Portfolio			
Sector	Sub-Program	Measure	Status
Mercantile	Mercantile	Mercantile Customer Projects	Existing
Other	T&D Upgrades	Transmission & Distribution Upgrades	Existing
	Smart Grid	Smart Grid Modernization Initiative	Existing
		Smart Grid Modernization - VVO	Potential

Ohio Energy Efficiency Collaborative Meeting

*The Cleveland Electric Illuminating Company
Ohio Edison Company
The Toledo Edison Company*

March 22, 2016



Disclaimer

The information contained in this presentation material preliminary and is intended to provide general descriptive or summary information. The information is subject to change and is subject to verification.

Agenda

- **Preliminary 2013-2015 Portfolio Results**
- **Energy Special Improvement Districts**
- **Customer Action Program Update**
- **Market Potential Study**
- **2017-2019 Plan Development Overview**
- **Proposed Program Review**
- **Plan Savings and Budget Projections**
- **Next Steps**

Preliminary 2015 Results

Program	2013 GWh	2014 GWh	2015 GWh Preliminary ¹
Residential			
Appliance Turn-In	26	28	1
Energy Efficient Products	82	139	17
Home Performance	161	95	16
Low-Income	6	8	8
Total	275	270	41
Small Enterprise			
Energy Efficiency Equipment Program - Small	88	108	98
Energy Efficiency Buildings Program - Small	81	57	4
Total	169	165	102
Mercantile	104	152	15
Total	104	152	15
Large Enterprise			
Energy Efficiency Equipment Program - Large	82	113	113
Energy Efficiency Buildings Program - Large	0	0	17
Total	82	113	130
Government Tariff Lighting	1	0	0
Total	1	0	0
Transmission & Distribution			
T&D Improvements	45	73	91
Total	45	73	91
Total Year	676	774	380

¹ Represents preliminary estimates, prior to calculation of Customer Action Program savings. Final results will be provided in the Companies' Annual Report, to be filed by May 15, 2016.

Energy Special Improvement Districts

■ Qualifying projects under an ESID may include

- Solar photovoltaic improvements
- Solar thermal improvements
- Geothermal improvements
- Customer-generated energy projects
- Energy Efficiency improvements

■ Examples of local PACE programs in Ohio include:

- BetterBuildings Northwest Ohio – Administered by Toledo-Lucas County Port Authority
- Lake County PACE – Administered by the Lake County Port & Economic Development Authority
- Northeast Ohio Advanced Energy District - The City of Cleveland in partnership with the First Suburbs Development Council
- The City of Toledo in collaboration with the Northwest Ohio Bond Fund

■ Pursuant to OAC 1701.061 EDCs may count savings from ESIDs towards compliance and the Companies will include applicable savings as part of its 2015 Annual Report

Customer Action Program (CAP)

ADM Associates, Inc.

Market Potential Study

Harbourfront Group, Inc.

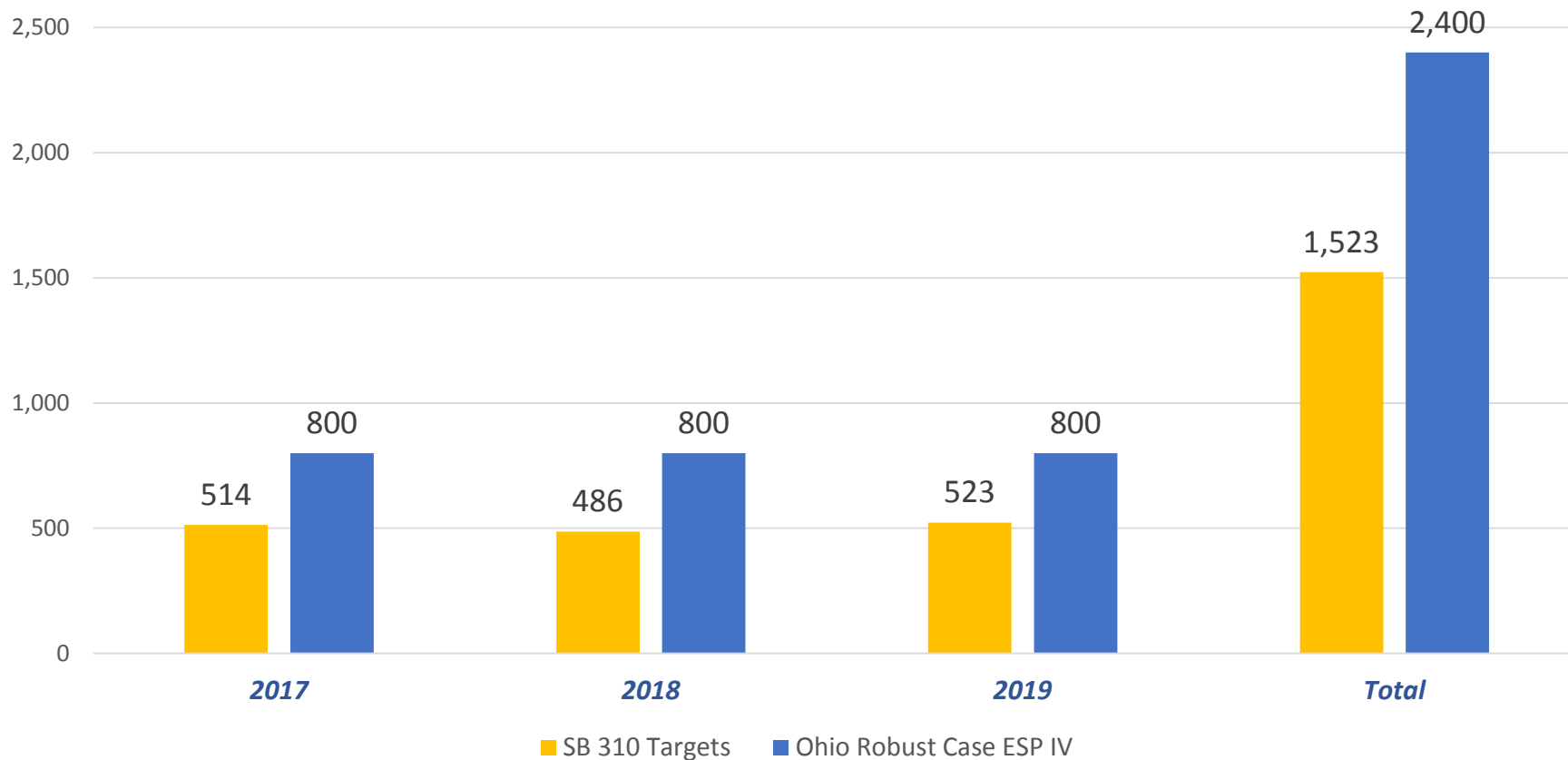
2017-2019 Plan Development Overview

- **Plan development activities are nearing completion**
- **Recent activities have focused on:**
 - Finalizing potential new programs and measures
 - Reviewing and addressing stakeholder input
 - Evaluating and considering Industry best practice reports (ACEEE), industry EE awards (MEEA and AESP), E-Source Reports, and peer utility programs
 - Developing initial projections and modeled results

Preliminary Energy Efficiency Targets

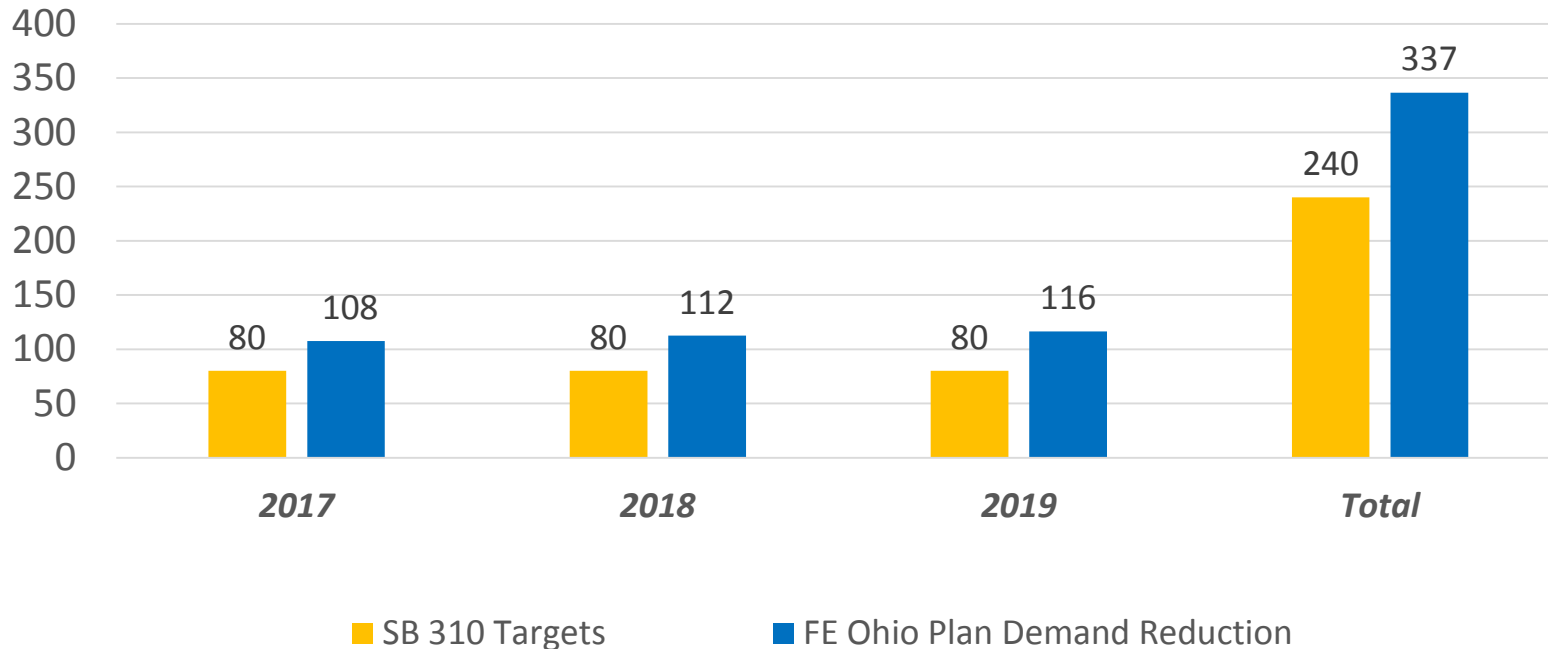
Exhibit B
Page 9 of 45

Total FE Ohio 2017-2019, GWh



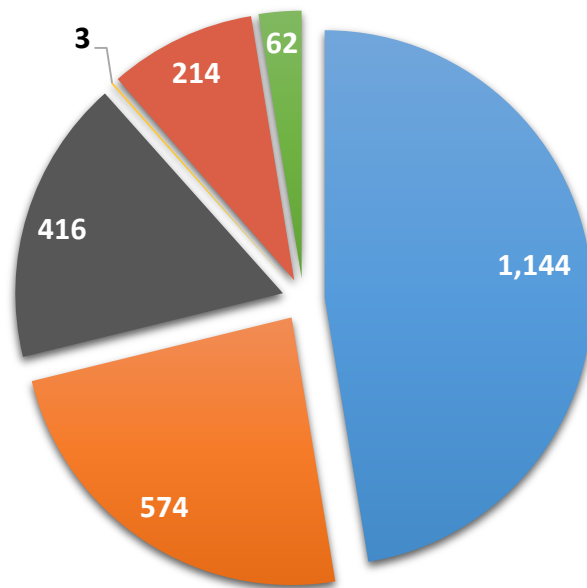
Preliminary EE Coincident Peak Demand Contributions

Total FE Ohio 2017-2019, MW



Preliminary FE Ohio Plan Savings, GWh

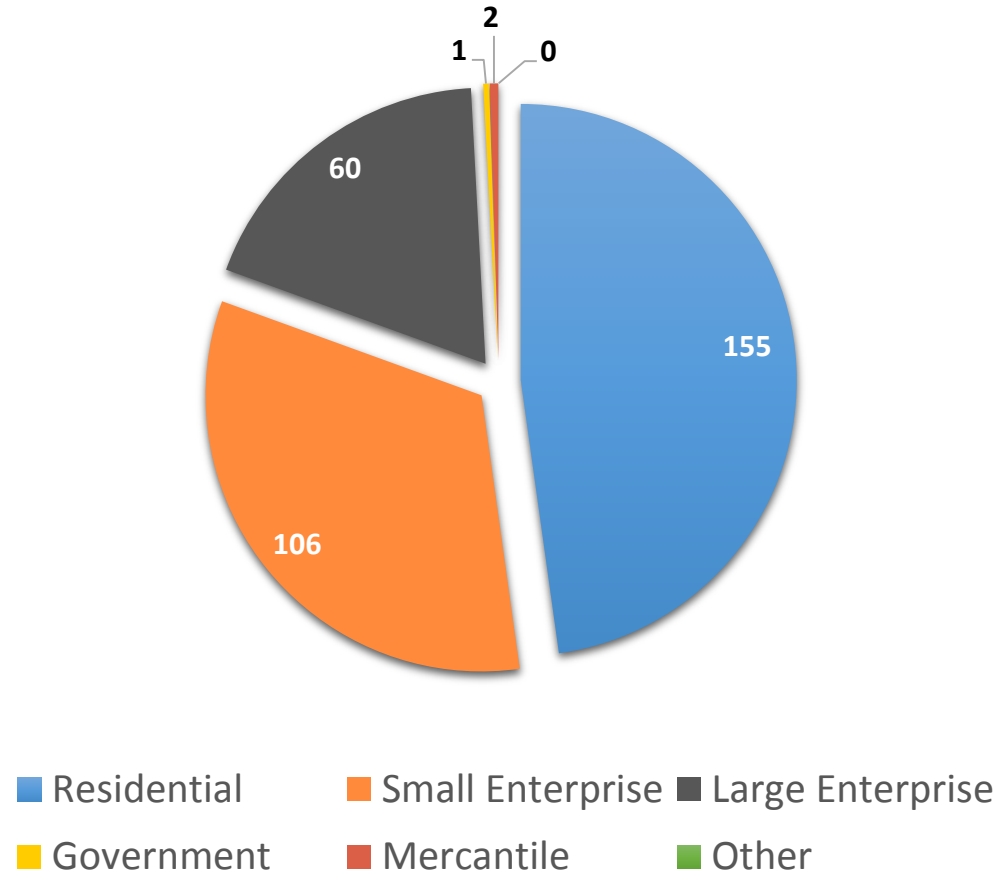
Total FE Ohio Plan Savings 2017-2019, GWh



Sector	Total FE	
Residential	1,144	47%
Small Enterprise	574	24%
Large Enterprise	416	17%
Government	3	0%
Mercantile	214	9%
Other	62	3%
Plan Total	2,413	100%

■ Residential ■ Small Enterprise ■ Large Enterprise
■ Government ■ Mercantile ■ Other

Total FE Ohio Plan 2017-2019 \$ Millions



Sector	Total FE	
	\$ Millions	%
Residential	155	48%
Small Enterprise	106	33%
Large Enterprise	60	19%
Government	1	0%
Mercantile	2	1%
Other	0	0%
Plan Total	324	100%

New Programs/Measures Resulting From Stakeholder Input and Review of Best Practices

Residential

- LED lighting rebates
- Smart Thermostats
- Smart Pumps
- New Homes
 - Manufactured Housing
 - Low Income
- Mid-Stream Rebates (Appliances, HVAC)
- Audits with Direct Install
 - Advanced Power Strips
 - Comprehensive
 - Multi-family & Mfg. Homes

Small Commercial and Governmental

- LED lighting
- Smart Thermostats
- Smart Pumps
- Weatherization, PTAC, PTHP
- Energy Analytics
- Direct Install
 - Advanced Power Strips
- Energy Management Services
- Government
 - LED Street Lighting

Large Commercial and Industrial

- LED lighting
- Energy Analytics
- Energy Management Services
- Continuous Improvement

Program Review – Residential

Residential Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
Appliance Turn-In Program	Appliance Turn-In Program	Appliance Turn-In	Continuation of existing measures with the inclusion of dehumidifiers
Home Performance Program	Energy Efficient Homes Program	School Education	Heavier focus on LEDs
		EE Kits	Heavier focus on LEDs
		Audits & Education	Expanding Audits to target Multi-Family residences

Program Review – Residential Cont'd

Residential Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
Home Performance Program	Energy Efficient Homes Program	Behavioral	Expanding program participation in the prior Energy Usage Report sub-program
		New Homes	Adding manufactured housing to New Homes sub-program
		Smart Thermostat	New sub-program that will deploy Smart Thermostats to optimize operation of the customer's HVAC equipment and lower electric energy usage
Energy Efficient Products Program	Energy Efficient Products Program	Appliances	New measures to be added to this sub-program include: clothes dryers with moisture sensors and heat pump clothes dryers

Program Review – Residential Cont'd

Residential Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
Energy Efficient Products Program	Energy Efficient Products Program	Consumer Electronics	Expanding measures to include emerging home technology products
		Lighting	Heavier focus on LEDs, expanded measures to include occupancy sensors and other qualifying products
		HVAC	Inclusion of new measures: Packaged Terminal Air Conditioners (PTAC) Packaged Terminal Heat Pumps (PTHP) Programmable/Smart Thermostats - hardware rebate Smart Pumps for Residential Heating Applications
Customer Action Program	Customer Action Program Residential	Customer Action Program Residential	Continuation of existing program
Direct Load Control Program	Residential Demand Response Program	Direct Load Control	Continuation of existing program which controls residential customers air conditioning by cycling usage during peak demand periods
Low Income Program	Low Income Energy Efficiency Program	Community Connections	Continuation of existing program
		LI - New Homes	New sub-program to encourage construction of energy efficient housing in the low income sector

Program Review – Small C&I

Small Commercial & Industrial Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
C&I Energy Efficient Equipment Program - Small	C&I Energy Efficient Equipment Program - Small	Appliances - SCI	New measures to be added to this sub-program include: clothes dryers with moisture sensors and heat pump clothes dryers
		Consumer Electronics - SCI	Continuation of prior measures with the inclusion of uninterruptible power supplies (UPS) and small network type equipment
		Agricultural	New sub-program targeting efficiency improvements in the agriculture customer sector
		Data Centers - SCI	Promoted from eligible measures underneath custom offerings to a targeted sub-program that will increase focus on customers with data center facilities and equipment

Program Review – Small C&I Cont'd

Small Commercial & Industrial Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Changes
C&I Energy Efficient Equipment Program - Small	C&I Energy Efficient Equipment Program - Small	HVAC - SCI	Continuation of prior measures with the inclusion of Smart Pumps for commercial heating applications
		Lighting - SCI	Heavier focus on LEDs
		Food Service	Continuation of prior measures with the inclusion of energy efficient beverage machines
		Appliance Turn-In - SCI	Continuation of prior measures with inclusion of dehumidifiers
		Custom - SCI	Continuation of prior measures

Program Review – Small C&I Cont'd

Small Commercial & Industrial Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
C&I Energy Efficient Buildings Program - Small	C&I Energy Efficient Buildings Program - Small	Retro - Commissioning - SCI	Continuation of prior measures
		Custom Buildings - SCI	Continuation of prior measures
		Audits & Education - SCI	Expanded offering to include Audits with Direct Install measures, Comprehensive Audits with Retrofits and Remote Audits.
			Behavioral: Using personalized communication strategies (online, mobile, paper reports) to engage and provide customers with specific information about their energy usage and analysis regarding their usage including benchmarking comparisons and recommendations to reduce future consumption
			Energy Manager: A shared energy management professional to assess energy usage and identify energy efficiency opportunities
			Benchmarking: Providing building owners and property managers with a quantitative analysis of their building's energy performance. The program will utilize ENERGY STAR® Portfolio Manager or similar tools
Customer Action Program	Customer Action Program - SCI	Customer Action Program - SCI	Continuation of existing measures

Program Review – Large C&I

Large Commercial & Industrial Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
C&I Energy Efficient Equipment Program - Large	C&I Energy Efficient Equipment Program - Large	HVAC - LCI	Continuation of prior measures
		Lighting - LCI	Heavier focus on LEDs
		Data Centers - LCI	New sub-program to increase focus on customers with data center facilities
		Custom - LCI	Continuation of prior measures

Program Review – Large C&I Cont'd

Large Commercial & Industrial Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
C&I Energy Efficient Buildings Program - Large	C&I Energy Solutions for Business Program - Large	Retro - Commissioning - LCI	Continuation of prior measures
		Custom Buildings - LCI	Continuation of prior measures
		Audits & Education - LCI	Energy Manager: A shared energy management professional to assess energy usage and identify energy efficiency opportunities
			Benchmarking: Providing building owners and property managers with a quantitative analysis of their building's energy performance. The program will utilize ENERGY STAR® Portfolio Manager or similar tools
			Continuous Improvement: Engages the largest industrial customers to integrate energy efficiency as a core business practice, creating a long term vision with short-term efficiency improvement actions
Demand Reduction Program	C&I Demand Response Program - Large	LC&I Contracted	Captures demand reduction savings from sources such as customers contracted under ELR tariff as well as PJM participating demand resources
		ELR Interruptible Tariff	Continuation of prior program that captures curtailable capacity from the Companies' Economic Load Response Rider (ELR)
Customer Action Program	Customer Action Program - LCI	Customer Action Program - LCI	Continuation of existing program

Program Review – Other

Other Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
Mercantile Customer Program	Mercantile Customer Program	Mercantile	Continuation of existing program that captures energy efficiency and peak demand reduction projects committed to the Companies by Mercantile customers as provided for by O.R.C. 4928.01 and 4928.66
T&D Improvements	Transmission & Distribution Upgrades	T&D Upgrades	Continuation of existing program that captures savings achieved through various T&D projects that reduce losses, which in turn results in a more efficient delivery system
Smart Grid Modernization Initiative	Smart Grid Modernization Initiative	Smart Grid	Continuation of existing program that captures savings from Companies' investment in Smart Grid systems and technology
Energy Special Improvement District	Energy Special Improvement District	Energy Special Improvement District	Incorporation of State Legislation that engages Ohio townships and municipalities to create Energy Special Improvement Districts offering constituents Property-Assessed Clean Energy (PACE) financing

Program Review – Government

Government Programs			
Prior Program	2017-2019 Program	2017-2019 Sub Program	Description of Program Changes
Government Tariff Lighting Program	Government Tariff Lighting Program	Government Tariff Lighting	Continuation of prior sub-program which encourages the installation of energy efficient street lighting under the Companies' approved street light tariffs

Preliminary Program Savings

Sector	Program	Total FE	
		GWh	%
Residential	Appliance Turn In Program	106	4%
	Energy Efficient Homes Program	610	25%
	Energy Efficient Products Program	258	11%
	Customer Action Program - Res	150	6%
	Residential Demand Response Program	0	0%
	Low Income Energy Efficiency Program	19	1%
	Total Residential	1,144	47%
Small Enterprise	C&I Energy Solutions for Business Program - Small	541	22%
	Customer Action Program - SCI	33	1%
	Total Small Enterprise	574	24%
Large Enterprise	C&I Energy Solutions for Business Program - Large	406	17%
	C&I Demand Response Program - Large	0	0%
	Customer Action Program - LCI	10	0%
	Total Large Enterprise	416	17%
Government	Government Tariff Lighting Program	3	0%
	Total Government	3	0%
Mercantile	Mercantile Customer Program	214	9%
	Total Mercantile Customer Program	214	9%
Other	Transmission & Distribution Upgrades	62	3%
	Smart Grid Modernization Initiative	0	0%
	Energy Special Improvement District	0	0%
	Total Other	62	3%
Plan Total		2,413	100%

Preliminary Program Budgets¹

Sector	Program	Total FE	
		\$ Millions	%
Residential	Appliance Turn In Program	18.9	6%
	Energy Efficient Homes Program	98.0	30%
	Energy Efficient Products Program	32.5	10%
	Customer Action Program - Res	1.8	1%
	Residential Demand Response Program	1.7	1%
	Low Income Energy Efficiency Program	2.0	1%
	Total Residential	155.1	48%
Small Enterprise	C&I Energy Solutions for Business Program - Small	103.8	32%
	Customer Action Program - SCI	2.4	1%
	Total Small Enterprise	106.3	33%
Large Enterprise	C&I Energy Solutions for Business Program - Large	58.5	18%
	C&I Demand Response Program - Large	0	0%
	Customer Action Program - LCI	1.9	1%
	Total Large Enterprise	60.4	19%
Government	Government Tariff Lighting Program	1.1	0%
	Total Government	1.1	0%
Mercantile	Mercantile Customer Program	1.6	1%
	Total Mercantile Customer Program	1.6	1%
Other	Transmission & Distribution Upgrades	0	0%
	Smart Grid Modernization Initiative	0	0%
	Energy Special Improvement District	0	0%
	Total Other	0	0%
Plan Total		324.5	100%

Next Steps and Closing Remarks

- **Finalize Plan design and modeling based on input from stakeholders and energy efficiency consultants**
 - Finalize participation and cost assumptions to ensure reasonableness of program projections and budgets
 - Complete Plan documents and file Plan on or before April 15, 2016

- **FirstEnergy continues to look forward to working with its stakeholders to achieve its energy efficiency and demand response goals**

Thank You



Appendix

Preliminary Plan Budget Projections¹

Residential Budgets by Sub-Program (\$ Millions)			OE		CE		TE		Total	
Sector	Program	Sub-Program	Total	%	Total	%	Total	%	Total	%
Residential	Appliance Turn In Program	Appliance Turn In	\$9.3	6%	\$6.7	6%	\$2.9	5%	\$19	6%
		Sub-Total	\$9.3	6%	\$6.7	6%	\$2.9	5%	\$19	6%
	Energy Efficient Homes Program	School Education	\$12.3	8%	\$8.5	8%	\$3.6	6%	\$24	8%
		EE Kits	\$10.4	7%	\$7.3	7%	\$3.1	5%	\$21	6%
		Audits & Education	\$12.9	8%	\$10.5	9%	\$2.5	5%	\$26	8%
		Behavioral	\$7.3	5%	\$5.2	5%	\$2.1	4%	\$15	5%
		New Homes	\$4.4	3%	\$3.2	3%	\$1.3	2%	\$9	3%
		Smart Thermostat	\$1.7	1%	\$1.2	1%	\$0.5	1%	\$3	1%
		Sub-Total	\$49.0	31%	\$35.9	32%	\$13.1	23%	\$98	30%
	Energy Efficient Products Program	Appliances	\$2.6	2%	\$1.8	2%	\$0.8	1%	\$5	2%
		Consumer Electronics	\$0.7	0%	\$0.5	0%	\$0.2	0%	\$1	0%
		Lighting	\$8.7	6%	\$5.9	5%	\$2.8	5%	\$17	5%
		HVAC	\$4.3	3%	\$3.0	3%	\$1.3	2%	\$9	3%
		Sub-Total	\$16.2	10%	\$11.2	10%	\$5.1	9%	\$33	10%
	Customer Action Program - Res	Customer Action Program - Res	\$1.1	1%	\$0.5	0%	\$0.3	1%	\$2	1%
		Sub-Total	\$1.1	1%	\$0.5	0%	\$0.3	1%	\$2	1%
	Residential Demand Response Program	Direct Load Control	\$1.0	1%	\$0.6	1%	\$0.2	0%	\$2	1%
		Sub-Total	\$1.0	1%	\$0.6	1%	\$0.2	0%	\$2	1%
	Low Income Energy Efficiency Program	Community Connections	\$0.7	0%	\$0.5	0%	\$0.4	1%	\$2	0%
		LI - New Homes	\$0.2	0.1%	\$0.2	0.1%	\$0.1	0.1%	\$0	0.1%
		Sub-Total	\$0.9	1%	\$0.7	1%	\$0.4	1%	\$2	1%
	Residential Total		\$77.5	49%	\$55.6	50%	\$22.0	39%	\$155	48%

Preliminary Plan Budget Projections – Cont'd¹

Small Enterprise Budgets by Sub-Program (\$ Millions)			OE		CE		TE		Total	
Sector	Program	Sub-Program	Total	%	Total	%	Total	%	Total	%
Small Enterprise	C&I Energy Solutions for Business Program - Small	HVAC - SCI	\$0.9	1%	\$0.7	1%	\$0.3	1%	\$2	1%
		Lighting - SCI	\$4.4	3%	\$3.5	3%	\$1.7	3%	\$10	3%
		Food Service	\$0.4	0.3%	\$0.3	0.3%	\$0.1	0.3%	\$1	0.3%
		Appliance Turn In - SCI	\$0.7	0.5%	\$0.6	0.6%	\$0.4	0.7%	\$2	0.5%
		Appliances - SCI	\$0.3	0.2%	\$0.2	0.2%	\$0.1	0.2%	\$1	0.2%
		Consumer Electronics - SCI	\$0.2	0.1%	\$0.1	0.1%	\$0.1	0.1%	\$0	0.1%
		Agricultural	\$0.3	0.2%	\$0.2	0.2%	\$0.1	0.2%	\$1	0.2%
		Data Centers - SCI	\$0.6	0.4%	\$0.5	0.4%	\$0.2	0.3%	\$1	0.4%
		Custom - SCI	\$7.6	5%	\$5.8	5%	\$2.8	5%	\$16	5%
		Retro - Commissioning - SCI	\$1.2	1%	\$1.1	1%	\$0.4	1%	\$3	1%
		Custom Buildings - SCI	\$3.5	2%	\$2.7	2%	\$1.3	2%	\$8	2%
		Audits & Education - SCI	\$27.1	17%	\$21.0	19%	\$12.2	22%	\$60	19%
		Sub-Total	\$47.3	30%	\$36.7	33%	\$19.9	35%	\$104	32%
	Customer Action Program - SCI	Customer Action Program - SCI	\$1.1	1%	\$1.0	1%	\$0.3	1%	\$2	1%
		Sub-Total	\$1.1	1%	\$1.0	1%	\$0.3	1%	\$2	1%
Small C&I Total			\$48.4	31%	\$37.7	34%	\$20.2	36%	\$106	33%

Preliminary Plan Budget Projections – Cont'd¹

Large Enterprise & Government Budgets by Sub-Program (\$ Millions)			OE		CE		TE		Total	
Sector	Program	Sub-Program	Total	%	Total	%	Total	%	Total	%
Large Enterprise (Mercantile Utility)	C&I Energy Solutions for Business Program - Large	HVAC - LCI	\$1.9	1%	\$1.0	1%	\$1.0	2%	\$4	1%
		Lighting - LCI	\$3.8	2%	\$1.9	2%	\$1.7	3%	\$7	2%
		Data Centers - LCI	\$1.2	1%	\$0.7	1%	\$0.5	1%	\$2	1%
		Custom - LCI	\$15.3	10%	\$7.0	6%	\$5.9	10%	\$28	9%
		Retro - Commissioning - LCI	\$0.5	0.3%	\$0.4	0.3%	\$0.3	0.6%	\$1	0.4%
		Custom Buildings - LCI	\$4.5	3%	\$2.3	2%	\$1.6	3%	\$8	3%
		Audits & Education - LCI	\$2.7	2%	\$2.2	2%	\$2.2	4%	\$7	2%
		Sub-Total	\$29.9	19%	\$15.4	14%	\$13.1	23%	\$58	18%
	C&I Demand Response Program - Large	Demand Response - LCI	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
		Sub-Total	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
	Customer Action Program - LCI	Customer Action Program - LCI	\$0.6	0%	\$0.9	1%	\$0.5	1%	\$2	1%
		Sub-Total	\$0.6	0%	\$0.9	1%	\$0.5	1%	\$2	1%
Large C&I Total			\$30.5	19%	\$16.3	15%	\$13.6	24%	\$60	19%
Government	Government Tariff Lighting Program	Government Tariff Lighting	\$0.5	0.3%	\$0.4	0.4%	\$0.2	0.3%	\$1	0.3%
		Sub-Total	\$0.5	0%	\$0.4	0%	\$0.2	0%	\$1	0%
Non - Residential Total			\$79.4	50%	\$54.4	49%	\$34.0	60%	\$168	52%

Preliminary Plan Budget Projections – Cont'd¹

Mercantile & Other Budgets by Sub-Program (\$ Millions)			OE		CE		TE		Total	
Sector	Program	Sub-Program	Total	%	Total	%	Total	%	Total	%
Mercantile	Mercantile Customer Program	Mercantile	\$0.5	0.3%	\$0.9	0.8%	\$0.3	0.5%	\$2	0.5%
		Sub-Total	\$0.5	0%	\$0.9	1%	\$0.3	0%	\$2	1%
		Mercantile Total		\$0.5	0%	\$0.9	1%	\$0.3	0%	\$2
Other	Transmission & Distribution Upgrades	T&D Upgrades	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
		Sub-Total	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
	Smart Grid Modernization Initiative	Smart Grid	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
		Sub-Total	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
	Energy Special Improvement District	Energy Special Improvement District	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
		Sub-Total	\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
Other Total			\$0.0	0%	\$0.0	0%	\$0.0	0%	\$0	0%
Plan Total			\$157.4	100%	\$110.8	100%	\$56.3	100%	\$324	100%

Preliminary Plan Saving Projections

Residential Savings by Sub-Program			OE		CE		TE		Total	
Sector	Program	Sub-Program	GWh	%	GWh	%	GWh	%	GWh	%
Residential	Appliance Turn In Program	Appliance Turn In	53	5%	38	4%	16	4%	106	4%
		Sub-Total	53	5%	38	4%	16	4%	106	4%
	Energy Efficient Homes Program	School Education	68	6%	49	6%	20	5%	136	6%
		EE Kits	77	7%	56	7%	23	6%	156	6%
		Audits & Education	9	1%	10	1%	1	0.2%	19	1%
		Behavioral	139	12%	100	12%	35	9%	274	11%
		New Homes	8	1%	7	1%	2	1%	17	1%
		Smart Thermostat	4	0.3%	3	0.3%	1	0.3%	8	0.3%
		Sub-Total	305	26%	223	26%	82	20%	610	25%
		Energy Efficient Products Program	Appliances	13	1%	9	1%	4	1%	26
	Consumer Electronics		11	1%	8	1%	3	1%	23	1%
	Lighting		85	7%	69	8%	28	7%	182	8%
	HVAC		14	1%	10	1%	4	1%	27	1%
	Sub-Total		123	11%	96	11%	39	10%	258	11%
	Customer Action Program - Res	Customer Action Program - Res	81	7%	48	6%	22	5%	150	6%
		Sub-Total	81	7%	48	6%	22	5%	150	6%
	Residential Demand Response Program	Direct Load Control	0	0%	0	0%	0	0%	0	0%
		Sub-Total	0	0%	0	0%	0	0%	0	0%
	Low Income Energy Efficiency Program	Community Connections	7	1%	8	1%	3	1%	19	1%
		LI - New Homes	0.1	0%	0.03	0.003%	0.02	0.01%	0.1	0.00%
		Sub-Total	8	1%	8	1%	3	1%	19	1%
Residential Total			569	49%	413	49%	162	39%	1,144	47%

Preliminary Plan Saving Projections – Cont'd

Small Enterprise Savings by Sub-Program			OE		CE		TE		Total		
Sector	Program	Sub-Program	GWh	%	GWh	%	GWh	%	GWh	%	
Small Enterprise	C&I Energy Solutions for Business Program - Small	HVAC - SCI	4	0%	3	0%	1	0.3%	9	0.4%	
		Lighting - SCI	44	4%	34	4%	18	4%	96	4%	
		Food Service	3	0%	2	0%	1	0.3%	7	0.3%	
		Appliance Turn In - SCI	1	0%	1	0%	0	0.1%	2	0.1%	
		Appliances - SCI	1	0%	1	0%	0	0.1%	2	0.1%	
		Consumer Electronics - SCI	0.4	0%	0.3	0%	0.1	0.02%	0.7	0.03%	
		Agricultural	0.4	0%	0.3	0%	0.1	0.03%	0.8	0.03%	
		Data Centers - SCI	4	0%	3	0%	1	0.3%	9	0.4%	
		Custom - SCI	69	6%	52	6%	26	6%	147	6%	
		Retro - Commissioning - SCI	10	1%	8	1%	3	1%	21	1%	
		Custom Buildings - SCI	29	2%	21	3%	11	3%	61	3%	
		Audits & Education - SCI	82	7%	66	8%	37	9%	186	8%	
		Sub-Total	249	22%	193	23%	99	24%	541	22%	
		Customer Action Program - SCI	Customer Action Program - SCI	14	1%	14	2%	4	1%	33	1%
	Sub-Total		14	1%	14	2%	4	1%	33	1%	
	Small C&I Total			263	23%	207	24%	104	25%	574	24%

Preliminary Plan Saving Projections – Cont'd

Large Enterprise & Govt Savings by Sub-Program			OE		CE		TE		Total	
Sector	Program	Sub-Program	GWh	%	GWh	%	GWh	%	GWh	%
Large Enterprise (Mercantile Utility)	C&I Energy Solutions for Business Program - Large	HVAC - LCI	9	1%	4	1%	3	1%	16	1%
		Lighting - LCI	33	3%	16	2%	12	3%	61	3%
		Data Centers - LCI	8	1%	4	0%	3	1%	14	1%
		Custom - LCI	127	11%	57	7%	46	11%	229	10%
		Retro - Commissioning - LCI	3	0%	1	0%	1	0.2%	5	0.2%
		Custom Buildings - LCI	33	3%	16	2%	11	3%	59	2%
		Audits & Education - LCI	11	1%	6	1%	3	1%	20	1%
		Sub-Total	223	19%	104	12%	79	19%	406	17%
	C&I Demand Response Program - Large	Demand Response - LCI	0	0%	0	0%	0	0%	0	0%
		Sub-Total	0	0%	0	0%	0	0%	0	0%
	Customer Action Program - LCI	Customer Action Program - LCI	1	0%	7	1%	2	0%	10	0%
		Sub-Total	1	0%	7	1%	2	0%	10	0%
	Large C&I Total			224	19%	111	13%	81	19%	416
Government	Government Tariff Lighting Program	Government Tariff Lighting	1	0.1%	1	0.1%	0	0.1%	3	0.1%
		Sub-Total	1	0%	1	0%	0	0%	3	0%
Non - Residential Total			489	42%	319	38%	185	45%	993	41%

Preliminary Plan Saving Projections – Cont'd

Mercantile & Other Savings by Sub-Program			OE		CE		TE		Total	
Sector	Program	Sub-Program	GWh	%	GWh	%	GWh	%	GWh	%
Mercantile	Mercantile Customer Program	Mercantile	65	6%	88	10%	61	15%	214	9%
		Sub-Total	65	6%	88	10%	61	15%	214	9%
		Mercantile Total		65	6%	88	10%	61	15%	214
Other	Transmission & Distribution Upgrades	T&D Upgrades	30	3%	26	3%	6	1%	62	3%
		Sub-Total	30	3%	26	3%	6	1%	62	3%
	Smart Grid Modernization Initiative	Smart Grid	0	0%	0	0%	0	0%	0	0%
		Sub-Total	0	0%	0	0%	0	0%	0	0%
	Energy Special Improvement District	Energy Special Improvement District	0	0%	0	0%	0	0%	0	0%
		Sub-Total	0	0%	0	0%	0	0%	0	0%
	Other Total		30	3%	26	3%	6	1%	62	3%
Plan Total			1,153	100%	846	100%	414	100%	2,413	100%

Subprogram/Measure Level Data

Residential Draft Portfolio				
Sector	Program	Sub-Program	Measure	Status
Residential	Appliance Turn-In Program	Appliance Turn-In	Refrigerator Recycling	Prior
			Freezer Recycling	Prior
			Room Air Conditioner Recycling	Prior
			Dehumidifier Recycling	New
	Energy Efficient Homes Program	School Education	School Education	Prior
		EE Kits	Energy Efficiency Measures	Prior
		Audits & Education	Comprehensive Audit	Prior
			On-Line Audit	Prior
		Behavioral	Behavioral	Prior
		New Homes	New Construction - Townhouse and Duplex's	Prior
			New Construction - Two-on-Two Condos	Prior
			New Construction - Single Family Detached	Prior
			New Construction - Multi Family Low Rise	Prior
			New Manufactured Housing	New
		Smart Thermostat	Smart Thermostat	New
	Energy Efficient Products Program	Appliances	Clothes Washer	Prior
			Clothes Dryer - (Elec w Moisture Sensor)	New
			Clothes Dryer - (Elec Heat Pump)	New
			Freezers	Prior
			Refrigerators	Prior
			Dehumidifiers	Prior
			Water Heater - Heat Pump	Prior
			Water Heater - Solar	Prior
		Consumer Electronics	Home Technology & Automation	New
			Monitors	Prior
			Computers	Prior
			Imaging	Prior
			TVs	Prior

Subprogram/Measure Level Data

Residential Draft Portfolio (Cont'd)				
Sector	Program	Sub-Program	Measure	Status
Residential	Energy Efficient Products Program	Lighting	CFL Lamps	Prior
			CFL Fixtures	Prior
			LED Fixtures	Prior
			LED Lamps	Prior
			Residential Lighting Controls	New
		HVAC	Heat Pump	Prior
			Central Air Conditioner	Prior
			Room Air Conditioner	Prior
			Ductless Mini-Split Heat Pump	Prior
			PTAC - Multi Family	New
			PTHP - Multi Family	New
			Heat Pump - Water & GeoT	Prior
			HVAC - Maintenance	Prior
			Furnace Fans	Prior
			Programmable / SMART Thermostat	New
	Customer Action Program - Res	Customer Action Program - Res	Customer Action Program - Res	Prior
	Residential Demand Response Program	Direct Load Control	Res Direct Load Control	Prior
	Low Income Energy Efficiency Program	Community Connections	Community Connections	Prior
		LI - New Homes	LI New Construction	New

Subprogram/Measure Level Data

Small Enterprise Draft Portfolio				
Sector	Program	Sub-Program	Measure	Status
Small Enterprise	C&I Energy Solutions for Business Program - Small	HVAC - SCI	Room Air Conditioner - SCI	Prior
			Air Conditioning - <=5.4 Tn - SCI	Prior
			Air Conditioning - >5.4 < 20 Tn - SCI	Prior
			Air Conditioning - >=20 Tn - SCI	Prior
			Chiller - Water Cld w Full Load - SCI	Prior
			Heat Pump - <=5.4 Tn - SCI	Prior
			Heat Pumps - >5.4 Tn - SCI	Prior
			Heat Pumps - Water & GeoT - SCI	Prior
			HVAC - Maintenance - SCI	Prior
			Circulation Pumps - SCI	New
			Ductless Mini-Split HP - SCI	Prior
			PTAC - SCI	Prior
			PTHP - SCI	Prior
		Lighting - SCI	CFL Fixtures - SCI	Prior
			CFL Lamps - SCI	Prior
			Lighting Controls (Daylight & Occupancy) - SCI	Prior
			Linear Fluorescent T8 / T5 - SCI	Prior
			LED Linear - SCI	Prior
			LED Channel Signage - SCI	Prior
			Exit Signs - SCI	Prior
			LED Fixtures External - SCI	Prior
			LED Fixtures Internal - SCI	Prior
			LED Lamps - SCI	Prior
			LED Reach in Refrigerator / Freezer Lights - SCI	Prior
			Street & Area Lighting (Customer Owned) - SCI	Prior

Subprogram/Measure Level Data

Small Enterprise Draft Portfolio (Cont'd)				
Sector	Program	Sub-Program	Measure	Status
Small Enterprise	C&I Energy Solutions for Business Program - Small	Food Service	Refrigerators - Reach In - SCI	Prior
			Freezers - Reach In - SCI	Prior
			Ice Machines - SCI	Prior
			Refrigerated Case Cover - SCI	Prior
			Strip Curtains - SCI	Prior
			Anti Sweat Heater Controls - SCI	Prior
			Beverage Vending Machine - Controls - SCI	Prior
			Beverage Vending Machine - New EE- SCI	New
			Combination Oven - SCI	Prior
			Convection Oven - SCI	Prior
			Steam Cookers - SCI	Prior
			Fryers - SCI	Prior
			Griddles - SCI	Prior
			Hot Food Holding Cabinet - SCI	Prior
		Appliance Turn-In - SCI	Refrigerator Recycling - SCI	Prior
			Freezer Recycling - SCI	Prior
			Room Air Conditioner Recycling - SCI	Prior
			Dehumidifiers Recycling - SCI	New
		Appliances - SCI	Clothes Washer - SCI	Prior
			Clothes Dryer (Elec w Moisture Sensor) - SCI	New
			Clothes Dryer (Elec Heat Pump) - SCI	New
			Refrigerators - SCI	Prior
			Water Heater - Heat Pump - SCI	Prior
			Water Heater - Solar - SCI	Prior
			Freezers - SCI	Prior
			Pre-Rinse Sprayers - SCI	Prior

Subprogram/Measure Level Data

Small Enterprise Draft Portfolio (Cont'd)				
Sector	Program	Sub-Program	Measure	Status
Small Enterprise	C&I Energy Solutions for Business Program - Small	Consumer Electronics - SCI	Uninterruptible Power Supply - SCI	New
			Monitors - SCI	Prior
			Computers - SCI	Prior
			Imaging - SCI	Prior
			Small Network - SCI	New
		Agricultural	Efficient Dairy Equipment - SCI	New
			High Efficiency Fans - SCI	New
		Data Centers - SCI	DC - Custom Servers- SCI	Prior
			DC - Custom HVAC - SCI	Prior
			DC - Audit - SCI	Prior
		Custom - SCI	Custom - Process Improvement - SCI	Prior
			Custom - HVAC & Chillers - SCI	Prior
			Custom - Compressed Air - SCI	Prior
			Custom - VFDs < 10HP - SCI	Prior
			Custom - VFDs > 10 HP - SCI	Prior
			Custom-Motors - Three Phase - SCI	Prior
			Custom - Refrigeration - SCI	Prior
		Retro - Commissioning - SCI	Custom Retro-commissioning - SCI	Prior
		Custom Buildings - SCI	Custom - Building Improvements - SCI	Prior
			Custom - Energy Management - SCI	Prior
		Audits & Education - SCI	Energy Manager - SCI	New
			Energy Efficiency Measures - SCI	New
			Benchmarking - SCI	New
			Audit - SCI	Prior
			Audits w Direct Install - SCI	Prior
			Multi Family Audit - SCI	New
			Behavioral - SCI	New
	Customer Action Program - SCI	Customer Action Program - SCI	Customer Action Program - SCI	Prior

Subprogram/Measure Level Data

Large Enterprise Draft Portfolio				
Sector	Program	Sub-Program	Measure	Status
Large Enterprise (Mercantile Utility)	C&I Energy Solutions for Business Program - Large	HVAC - LCI	Air Conditioning - <=5.4 Tn - LCI	Prior
			Chiller - Water Cld w Full Load - LCI	Prior
			Air Conditioning - >5.4 < 20 Tn - LCI	Prior
			Air Conditioning - >=20 Tn - LCI	Prior
			Heat Pump - <=5.4 Tn - LCI	Prior
			Heat Pumps - >5.4 Tn - LCI	Prior
			Heat Pumps - Water & GeoT - LCI	Prior
			Ductless Mini-Split HP - LCI	Prior
			PTAC - LCI	New
			PTHP - LCI	New
		Lighting - LCI	CFL Fixtures - LCI	Prior
			CFL Lamps - LCI	Prior
			Lighting Controls (Daylight & Occupancy) - LCI	Prior
			Linear Fluorescent T8 / T5 - LCI	Prior
			LED Linear - LCI	Prior
			LED Channel Signage - LCI	Prior
			Exit Signs - LCI	Prior
			LED Fixtures External - LCI	Prior
			LED Fixtures Internal - LCI	Prior
			LED Lamps - LCI	Prior
			Street & Area Lighting (Customer Owned) - LCI	Prior
		Data Centers - LCI	DC - Custom HVAC - LCI	Prior
			DC - Custom Servers - LCI	Prior
			DC - Audit - LCI	Prior

Subprogram/Measure Level Data

Large Enterprise Draft Portfolio (Cont'd)				
Sector	Program	Sub-Program	Measure	Status
Large Enterprise (Mercantile Utility)	C&I Energy Solutions for Business Program - Large	Custom - LCI	Custom - Process Improvement - LCI	Prior
			Custom - HVAC & Chillers - LCI	Prior
			Custom - Compressed Air - LCI	Prior
			Custom - VFDs < 10HP - LCI	Prior
			Custom - VFDs > 10 HP - LCI	Prior
			Custom-Motors - Three Phase - LCI	Prior
			Custom - Refrigeration - LCI	Prior
		Retro - Commissioning - LCI	Custom Retro-commissioning - LCI	Prior
		Custom Buildings - LCI	Custom - Building Improvements - LCI	Prior
			Custom - Energy Management - LCI	Prior
		Audits & Education - LCI	Audit - LCI	Prior
			Continuous Improvement - LCI	New
			Energy Manager - LCI	New
			Benchmarking - LCI	New
	C&I Demand Response Program - Large	Demand Response - LCI	LC&I Contracted DR - PJM	Prior
			ELR Interruptible Tariff	Prior
	Customer Action Program - LCI	Customer Action Program - LCI	Customer Action Program - LCI	Prior

Subprogram/Measure Level Data

Government Draft Portfolio				
Sector	Program	Sub-Program	Measure	Status
Government	Government Tariff Lighting Program	Government Tariff Lighting	LED - Traffic Signals - Govt	Prior
			Street & Area Lighting (Tariff / Utility Owned) - Govt	Prior
			Street & Area Lighting (Tariff / Customer Owned) - Govt	Prior

Subprogram/Measure Level Data

Other-Draft Portfolio				
Sector	Program	Sub-Program	Measure	Status
Mercantile	Mercantile Customer Program	Mercantile	Mercantile Customer Projects	Prior
Other	Transmission & Distribution Upgrades	T&D Upgrades	Transmission & Distribution Upgrades	Prior
	Smart Grid Modernization Initiative	Smart Grid	Smart Grid Modernization Initiative	Prior
	Energy Special Improvement District	Energy Special Improvement District	<i>Energy Special Improvement District</i>	<i>New</i>

This foregoing document was electronically filed with the Public Utilities

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Case No(s). 16-0743-EL-POR

Summary: Objection Limited Objection to the Utility's Proposed Schedule by the Office of the Ohio Consumers' Counsel electronically filed by Ms. Deb J. Bingham on behalf of Healey, Christopher Mr.