

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Adoption of a Portfolio )  
Plan Template for Electric Utility Energy ) Case No. 09-714-EL-UNC  
Efficiency and Peak-Demand Reduction )  
Programs. )

ENTRY

The attorney examiner finds:

- (1) On July 31, 2008, Amended Substitute Senate Bill No. 221 (SB 221) was enacted to, among other things, substantially revise Chapter 4928 of the Revised Code to address energy efficiency and alternative energy resources, renewable energy credits, clean coal technology, and environmental regulations.
- (2) On April 15, 2009, the Commission issued its opinion and order (April 15 Order) in Case No. 08-888-EL-ORD, *In re the Adoption of Rules for Alternative and Renewable Energy Technology, Resources, and Climate Regulations, and Review of Chapters 4901:5-1, 4901:5-3, 4901:5-5, and 4901:5-7 of the Ohio Administrative Code, Pursuant to Amended Substitute Senate Bill No. 221*, which, inter alia, created three new chapters of the Ohio Administrative Code (O.A.C.), including Chapter 4901:1-39, Energy Efficiency and Demand Reduction Benchmarks. On June 17, 2009, the Commission issued an entry on rehearing (June 17 Entry) addressing the substantive issues raised in the various applications for rehearing of the April 15 Order filed by the parties, and modifying many of the rules adopted therein.
- (3) Finding 15 of the June 17 Entry specifically discusses Rule 4901:1-39-04, O.A.C., which requires each electric utility to create an energy efficiency and peak-demand reduction program portfolio. Paragraph A of the rule provides:

Each electric utility shall design and propose a comprehensive energy efficiency and peak-demand reduction program portfolio, including a range of programs that encourage innovation and market access for cost-effective energy efficiency and peak-demand reduction for all customer classes, which will achieve the statutory

benchmarks for peak-demand reduction, and meet or exceed the statutory benchmarks for energy efficiency. An electric utility's first program portfolio plan filed pursuant to this rule, shall be filed with supporting testimony prior to January 1, 2010....

The finding also notes that the Commission's staff will issue a draft portfolio plan template for stakeholder comment by a subsequent entry in a separate docket (June 17 Entry at 7-8).

- (4) Staff has created a draft template and appendices which are available at [www.puco.ohio.gov/puco/rules/](http://www.puco.ohio.gov/puco/rules/) via the link titled "Implementation of S.B. 221 - Green Rules: Energy Efficiency, Alternative Energy & Emission Reporting."
- (5) The draft template organizes programs into seven customer classifications:
  - (a) Residential programs for single and multi-family dwellings in the utility's residential customer class (as defined by the utility's tariff or other reference), excluding low-income residential customers.
  - (b) Residential Low-Income programs for single and multi-family dwellings occupied by low-income residential customers (as defined by the utility's tariff or other reference).
  - (c) Small Enterprise programs applicable to any nonresidential, nongovernmental, for-profit customer, who is not a mercantile customer as defined in Section 4928.01(A)(19), Revised Code.
  - (d) Mercantile Self-Directed programs operated by a mercantile customer, being any commercial or industrial customer with electricity consumption for nonresidential use of more than 700,000 kilowatt hours per year or being part of a national account involving multiple facilities in one or more states, as defined in Section 4928.01(A)(19), Revised Code.

- (e) Mercantile-Utility programs implemented by the utility (not self-directed) applicable to mercantile customers.
- (f) Government & Nonprofit programs applicable to the utility's governmental and nonprofit customers.
- (g) Transmission & Distribution programs applicable to transmission and distribution loss reductions.

The draft template proposes to use these seven customer classifications, rather than the traditional residential, commercial, and industrial classifications, to provide for more precise program targeting and to minimize subsidies across customer classes. The traditional customer classes are rooted in the North American Industrial Classification System (NAICS) and, as many enterprises operate under multiple NAICS codes, reporting by utilities has always been more by rate class category than by NAICS code. Thus, the new proposed way of reporting programs and program expenditures would eliminate any confusion or controversy about which NAICS code an enterprise might be classified under.

- (6) The Commission is seeking comments from interested persons to assist in the development of the portfolio plan template. To minimize the expense of this proceeding, only a paper copy of this entry will be served on all persons of record in Case No. 08-888-EL-ORD. All interested persons may download the proposed rules at the above website, or they may contact the Commission's Docketing Division at (614) 466-4095 to request a copy.

All comments should be filed in this docket by September 11, 2009, and reply comments should be filed by September 18, 2009. All comments and replies may be filed electronically in accordance with the procedures established in Case No. 06-900-AU-WVR, posted at [www.puco.ohio.gov/puco/docketing/](http://www.puco.ohio.gov/puco/docketing/) under "Electronic Filing Information & Links." All comments filed in this docket may be viewed at:

<http://dis.puc.state.oh.us/CaseRecord.aspx?CaseNo=09-714>

Any person filing comments may request paper copies of the other comments by filing a notice of such request in this docket.

All other filers shall then serve a copy of their comments upon the requesting party via email or hard-copy to the address provided.

It is, therefore,

ORDERED, That all interested persons file comments to the proposed rules and revisions by September 11, 2009, and reply comments by September 18, 2009. It is, further,

ORDERED, That a copy of this entry be served upon each party of record in Case No. 08-888-EL-ORD.

THE PUBLIC UTILITIES COMMISSION OF OHIO



By: Richard M Bulgrin  
Attorney Examiner



RMB/dah

Entered in the Journal

AUG 28 2009



Renee J. Jenkins  
Secretary



# Public Utilities Commission

## Portfolio Plan Template for Electric Utility Energy Efficiency & Peak-Demand Reduction Programs

August 28, 2009 Draft Version

Posted at [www.puco.ohio.gov/puco/rules/](http://www.puco.ohio.gov/puco/rules/) under Implementation of S.B. 221 - Green Rules.

To be submitted by the Ohio Electric Utilities prior to January 1, 2010  
for the three years ending December 31, 2012

### Summary of proposed regulatory requirements:

- Prior to January 1, 2010, each electric utility must file a portfolio plan for energy efficiency and peak-demand reduction programs pursuant to Rule 4901:1-39-04(A).
- In order to prepare the portfolio plan, the electric utility must undertake a review (called an "assessment of potential") of possible programs that might be successful within its territory, pursuant to Rule 4901:1-39-03(A). This assessment of potential must be included in the portfolio plan pursuant to Rule 4901:1-39-04(C)(1).
- Rule 4901:1-39-04(D), O.A.C., provides that any person may file objections to the electric utility's portfolio plan within 60 days of the filing of the portfolio plan.
- The Commission will hold a hearing prior to approving, rejecting, or modifying and approving the portfolio plan, pursuant to Rule 4901:1-39-04(E).
- The electric utility must repeat this process every three years, pursuant to Rule 4901:1-39-04(A).

### Table of Contents

1. Overview of Plan	- 2 -
2. Energy Efficiency Portfolio - Program Summary	- 3 -
3. Program Descriptions	- 4 -
4. Planning, Reporting and Tracking Systems	- 8 -
5. Portfolio Management and Implementation Strategies	- 9 -
6. Utility Evaluation, Measurement and Verification Activities	- 11 -
7. Cost Recovery Mechanism	- 12 -
8. Cost Effectiveness	- 13 -
9. Plan Compliance Information and Other Key Issues	- 14 -
10. Tables for Portfolio Plan Template	- 15 -
11. Appendices	- 16 -
12. Glossary	- 18 -

## **1. Overview of Plan**

- 1.1. Summary describing the electric utility's Energy Efficiency and Peak-Demand Reduction Program Portfolio Plan (Plan) to meet or exceed the statutory benchmarks for energy efficiency and peak-demand reductions.
- 1.2. Summary of the process used and key assumptions to develop the Plan, including:
  - Stakeholder participation in program planning efforts and program portfolio development
  - Efforts to align and coordinate programs with other related programs, including other utilities' programs
- 1.3. Summary of portfolio savings goals, budget and cost-effectiveness (see Tables 1, 2 and 3).
- 1.4. Summary of the program implementation schedule over the three-year plan period.
- 1.5. Summary of the utility implementation strategy to manage the portfolio, engage customers and trade allies, encourage innovation and market access, transform markets, and align or coordinate with other utilities.
- 1.6. Summary of the utility's data management, quality assurance and internal evaluation processes, including how the Plan and individual programs will be updated or refined based on evaluation results.
- 1.7. Summary of any cost recovery mechanisms.

## **2. Energy Efficiency Portfolio - Program Summary**

Provide a brief description of the programs for each customer classification as listed in Table 4:

- 2.1. Residential program summaries - indicate which programs are new or continuing.
- 2.2. Residential Low-Income program summaries - indicate which programs are new or continuing.
- 2.3. Small Enterprise program summaries - indicate which programs are new or continuing.
- 2.4. Mercantile Self-Direct program summaries - provide estimates of number of participants, estimated savings, costs, and cost-effectiveness.
- 2.5. Mercantile-Utility program summaries - indicate which programs are new or continuing.
- 2.6. Governmental & Nonprofit program summaries - indicate which programs are new or continuing.
- 2.7. Transmission & Distribution (T&D) program summaries - indicate which programs are new or continuing.

### **3. Program Descriptions**

#### **3.1. Discussion of criteria and process used for selection of programs:**

- 3.1.1. Describe portfolio design criteria (including eligibility requirements and market barriers), overall program objectives and logistics (including the target market segment and communications channels used to reach them) and metrics that define program success (e.g., energy and demand savings, customers served, number of units installed).**
- 3.1.2. Describe how programs were constructed for each portfolio to provide market coverage sufficient to reach overall energy and demand savings goals. Describe analyses and/or research that were performed (e.g., market, best-practices, market modeling).**
- 3.1.3. Describe available results for programs currently operated by the utility (continuing programs) and/or for similar programs operated by other program administrators in similar markets.**
- 3.1.4. Indicate number of customers and baseline kW demand and kWh consumption in each sector:**
  - 3.1.4.1. Residential**
  - 3.1.4.2. Residential Low-Income**
  - 3.1.4.3. Small Enterprise**
  - 3.1.4.4. Mercantile Self-Direct**
  - 3.1.4.5. Mercantile-Utility**
  - 3.1.4.6. Governmental & Nonprofit**
- 3.1.5. Describe stakeholder processes used for program development**
- 3.1.6. Describe alignment with other utility and non-utility programs**

#### **3.2. Residential programs - include descriptions of each program organized under the following headings:**

- Program title and years during which the program will be implemented, including the starting date**



- Objective(s) and program metrics, including expected number of participants
- Target market including participation requirements
- Program approach, rationale, and description
- Implementation strategy (including changes that may occur in different program years)
- Program issues, risks, and risk management strategy (including factors, probability and consequences of program failure)
- Ramp-up, marketing, and any applicable market transformation strategy
- Eligible measures and proposed incentives; include tables for each year of program, as appropriate showing financial incentives and rebate levels (e.g., \$ per measure, \$ per kWh or MW saved)
- Non-energy benefits
- Other information deemed appropriate

3.2.1. Residential Low-Income programs - include descriptions of each program organized under the same headings as listed above for residential programs.

3.2.2. Small Enterprise programs - include descriptions of each program organized under the same headings as listed above for residential programs.

3.3. Mercantile Self-Direct programs

3.3.1. Explain overall strategy for compliance with mercantile customer energy efficiency integration requirements

3.3.2. Describe expectations for number of mercantile customers that will commit their demand reduction, demand response, or energy efficiency projects for integration with the utility's programs. Include kWh and kW goals and expectations, as well as customer and utility costs. Distinguish between historical actions taken by mercantile customers (pre 2009) and prospective actions anticipated (2009 going forward).

- 3.3.3. Define marketing strategy for integrating and coordinating mercantile customer efforts into overall program strategies
- 3.4. Mercantile-Utility programs - include descriptions of each program organized under the same headings as listed above for residential programs
- 3.5. Governmental & Nonprofit programs - include descriptions of each program organized under the same headings as listed above for residential programs.
- 3.6. Transmission & Distribution infrastructure programs – these are the improvements that reduce line losses. Include descriptions of T&D projects using the following format:
- Project name (a unique identifier)
  - Program objective
  - Project start and completion date
  - Project baseline demand and energy consumption
  - Project description
  - Project justification as an allowable efficiency activity
  - T & D system impact
  - T & D system reinforcement, if any
  - T & D reliability, market, and system losses enhancement
  - T & D energy, kilowatt-hour savings expected / measured from project
  - Economic benefit from the energy savings
  - T & D demand, kilowatt demand reduction expected/measured from project
  - Economic benefit from the demand savings
- 3.7. Other programs

3.7.1. General education

3.7.2. Experimental/special

3.7.3. Market transformation

3.8. Program budgets and data. Provide tables for each program indicating:

- Estimated participation – includes tables indicating metric(s) with target value(s) per year, for example:
  - Number of participants (define participant)
  - Number of measures
  - Dollar incentives
  - kWh savings
  - kW peak-demand reduced
  - other metrics
- Estimated program budget (total) by year – include table with budget per year
- Savings targets – include tables with total MWh and MW goals per year and cumulative tables that document key assumptions of savings per measure or project
- Cost-effectiveness – include Total Resource Cost (TRC) test results for each program, including values for each benefit and cost component of TRC calculation
- Anticipated costs to participating customers

#### **4. Planning, Reporting and Tracking Systems**

##### **4.1. Program planning:**

- 4.1.1. Describe utility strategy for updating program and overall portfolio plans.
- 4.1.2. Define schedule for updating plans and for reporting such updates to Commission.

##### **4.2. Project management tracking systems:**

- 4.2.1. Provide brief overview of the utility data tracking system for managing and reporting measure, project, program and portfolio activities, status and performance as well as utility performance and expenditures.
- 4.2.2. In general, describe how the Utility will coordinate with the Commission on data tracking and transfer. Topics should include mechanism for access by Commission and statewide Independent Program Evaluator to program/project/measure data and proposed software format, data exchange format, and database structure the Utility will use for tracking participant and savings data. Provide examples of data fields captured.

##### **4.3. Quarterly reporting to be posted on PUCO website:**

- 4.3.1. List reports that would be provided to the Commission, the schedule for their delivery, and the intended contents. The focus should be on metrics identified in Section 3.1.1 above.
- 4.3.2. Describe data that would be available (including format and time frame of availability) for Commission review and audit.

## **5. Portfolio Management and Implementation Strategies**

### **5.1. Overview of Utility Management and Implementation Strategies:**

- 5.1.1. Describe the types of services to be provided by the utility as well as by any third-party providers, such as consultants and trade allies. Indicate which organizations will provide which services and the basis for such allocation. Reference reporting and EM&V information from Sections 5 and 6 below. Examples of services to be offered by the utility or others may include marketing, customer recruiting, demonstration projects, audits, direct installation of new efficiency measures, verification of installations and or baseline usage, response to customer concerns, program tracking and program verification activities for payment.
- 5.1.2. Describe risks to program performance and any risk management strategies that will be employed to mitigate those risks. Examples of risks that can cause a program to not deliver expected savings including program design flaws, technologies targeted by a program failing to deliver the savings expected (or failing to prove that they have delivered the savings), and customers or other key market players (e.g., contractors) choosing not to participate in a program.
  - 5.1.2.1. Describe the Utility's approach and process for shifting goals and funds, as needed, between programs and adding new measures and/or programs.
  - 5.1.2.2. Describe the process for collecting and addressing participating customer, contractor and trade ally feedback (e.g., suggestions and complaints).
  - 5.1.2.3. Describe the procedures for measurement and project installation verification, quality assurance and control, and savings documentation.
  - 5.1.2.4. Describe any "early warning systems" that will be utilized to indicate a lack of progress towards the benchmarks and whether they are likely to be met.
  - 5.1.2.5. Provide individual program implementation schedules with milestones in the form of Gantt charts or similar format. Chart should differentiate activities and include dates for the

launch, close, and major milestones for the three following years for:

- Residential programs
- Residential Low-Income programs
- Small Enterprise programs
- Mercantile Self-Direct projects/programs
- Mercantile-Utility programs
- Governmental & Nonprofit programs
- Transmission & Distribution programs

**5.2. Executive management structure:**

- 5.2.1. Describe Utility management structure for efficiency programs and include Utility organization chart for management team *responsible for implementing this Plan.*
- 5.2.2. Describe administrative budget (i.e., those costs other than incentive payments to customers).

## **6. Utility Evaluation, Measurement and Verification Activities**

- 6.1. Describe market evaluations and how results will be used to improve programs and update expected progress toward meeting the electric utility's benchmarks.
- 6.2. Describe process evaluations and how results will be used to improve programs.
- 6.3. Describe strategy for coordinating with the statewide Independent Program Evaluator.
- 6.4. Describe program-by-program utility evaluation, measurement and verification activities. A suggested format for evaluation plans is contained in Chapter 7 of the Model Energy Efficiency Program Impact Evaluation Guide (November 2007) published by the U.S. Environmental Protection Agency at <http://www.epa.gov/eeactionplan>. Chapter 7 of the Guide is also available at [www.puco.ohio.gov/puco/rules/](http://www.puco.ohio.gov/puco/rules/) under Implementation of S.B. 221 - Green Rules. Deviations from the suggested format should be identified with the rationale for such deviation.

**7. Cost Recovery Mechanism**

- 7.1. Provide and describe tariffs and a cost recovery mechanism. Provide all calculations and supporting cost documentation.
- 7.2. Describe how the cost recovery mechanism will ensure that measures approved are financed by the same customer class that will receive the direct energy and conservation benefits, as reflected in Table 5, Rate Class Budget and Parity Analysis.



**8. Cost Effectiveness**

- 8.1. Explain and demonstrate how the proposed portfolio will be cost effective as defined by the Total Resource Cost (TRC) test under proposed Rule 4901:1-39-01(W).
- 8.2. Provide background and describe the development and results contained in Tables 7A through 7G.

## **9. Plan Compliance Information and Other Key Issues**

- 9.1. Summarize how programs in the portfolio meet the following design criteria (sub-sections may reference other chapters of the plan as they may restate what was included elsewhere in the plan, and are collected here only for convenience of review):
  - 9.1.1. Potential for broad participation within the targeted customer class.
  - 9.1.2. Cost-effectiveness on a portfolio basis.
  - 9.1.3. Benefit to all members of a customer class, including nonparticipants.
  - 9.1.4. Likely magnitude of aggregate energy savings or peak-demand reduction.
  - 9.1.5. Non-energy benefits.
  - 9.1.6. Equity among customer classes.
- 9.2. Describe relative advantages or disadvantages of energy efficiency and peak-demand reduction programs for the construction of new facilities, replacement of retiring capital stock, or retrofitting existing capital stock.
- 9.3. Describe potential to integrate the proposed programs with similar programs offered by other utilities, if such integration produces the most cost-effective result and is in the public interest.
- 9.4. Describe the degree to which measures may be bundled within a program so as to avoid lost opportunities to attain energy savings or peak reductions that would not be cost-effective or would be less cost-effective if installed individually.
- 9.5. Describe the degree to which the program designs engage the energy efficiency supply chain and leverage partners in program delivery.
- 9.6. Describe the degree to which the programs successfully address market barriers or market failures.
- 9.7. Describe the degree to which the programs leverage knowledge gained from existing program successes and failures.
- 9.8. Describe the degree to which the programs promote market transformation.

## **10. Tables for Portfolio Plan Template**

The following tables are provided in a Microsoft Excel spreadsheet. Any program listings, years, or data shown are for illustrative purposes only.

Table 1	Portfolio Summary of Lifetime Costs and Benefits
Table 2	Summary of Portfolio Energy and Demand Savings
Table 3	Summary of Portfolio Costs
Table 4	Program Summaries
Table 5	Budget and Parity Analysis Summary
Table 6A	Program-Specific Assignment of Energy Efficiency & Peak-Demand Reduction Costs
Table 6B	Allocation of Common Costs to Applicable Customer Sector
Table 6C	Summary of Portfolio EE & PDR Program Costs
Table 7A	TRC Benefits Table - Residential (exclusive of low-income)
Table 7B	TRC Benefits Table - Residential Low-Income
Table 7C	TRC Benefits Table - Small Enterprise
Table 7D	TRC Benefits Table - Mercantile Self-Direct
Table 7E	TRC Benefits Table - Mercantile-Utility
Table 7F	TRC Benefits Table - Governmental & Nonprofit
Table 7G	TRC Benefits Table - Transmission & Distribution

## 11. Appendices

### A. Assessment of Potential Reference Summary

Proposed Rule 4901:1-39-03(A) requires each electric utility to conduct an assessment of potential energy savings and peak-demand reductions from adoption of energy efficiency and demand-response measures within its certified territory. Proposed Rule 4901:1-39-04(C)(1) requires an Assessment of Potential to be included in the electric utility's program portfolio. The electric utility's Assessment of Potential may be incorporated by reference if it has been previously filed with the Commission. If it has not been previously filed, the Assessment of Potential should be included with the Portfolio Plan as Appendix D.

Appendix A should correlate the programs selected for inclusion in the portfolio with the analysis contained in the Assessment of Potential. Appendix A should include the following:

- (1) Summary information from sections of the Assessment that support the selection of programs for inclusion in the proposed portfolio, along with page references to the detail in the Assessment report.
- (2) An explanation of why and how each program selected for inclusion in the proposed portfolio based upon the Assessment
- (3) How each program may address market, economic and/or technological barriers to consumer acceptance and adoption and/or cost effective program implementation, which may have been identified in the Assessment of Potential.
- (4) The degree to which the programs may be expected to exploit or capture the full potential identified in the Assessment

### B. Program Cost Detail Support

Appendix B should document and support the assumptions, data, methodology, and calculations for Tables 6A, 6B, and 6C sufficiently to enable the reader to replicate the total program costs, element by element. Separate sections should be included for each program with subsections for each year describing savings and costs information. For each program (and for the General Administrative Cost Areas of Planning, Evaluation and Other), cost data for each program year should include separate budgets for:

- (1) Direct program costs:

- (a) Utility labor
    - (b) Utility materials and supplies
    - (c) Other outside services (define)
    - (d) Customer incentives
    - (e) Other (define)
  - (2) Administrative costs, including but not limited to costs relating to plan and program development, cost-benefit analysis, measurement and verification, and reporting
  - (3) Describe methods used, including key assumptions, for estimating all program costs, including administrative, marketing, and incentives costs.
  - (4) Total costs.
- C. Other Supporting Data, Calculations Methodologies and Assumptions**
- Provide work papers and detailed documentation that support the Program Portfolio Plan and the selection of programs, which are not provided elsewhere.
- D. Assessment of Potential**
- Appendix D is the Assessment of Potential to be included in the electric utility's program portfolio pursuant to proposed Rule 4901:1-39-04(C)(1), which may be incorporated by reference if it has been previously filed with the Commission.

## 12. Glossary

**Energy Baseline:** The average total kilowatt-hours of distribution service sold to retail customers of the electric utility in the preceding three calendar years as reported in the electric utility's most recent long-term forecast report, pursuant to Section 4928.66(A)(2)(a), Revised Code. The total kilowatt-hours sold shall equal the total kilowatt-hours delivered by the electric utility.

**Energy Benchmark:** The annual level of energy savings that an electric utility must achieve as required by Section 4928.66(A)(1)(a), Revised Code.

**Energy Efficiency:** Reducing the consumption of energy while maintaining or improving the end-use customer's existing level of functionality, or while maintaining or improving the utility system functionality.

**Government & Nonprofit:** Programs applicable to the utility's governmental and Nonprofit customers.

**Measure:** Any material, device, technology, operational practice, or educational program that makes it possible to deliver a comparable level and quality of end-use energy service while using less energy or less capacity than would otherwise be required.

**Mercantile Customer:** A commercial or industrial customer with electricity consumption for nonresidential use of more than 700,000 kilowatt hours per year or who is part of a national account involving multiple facilities in one or more states, as defined in Section 4928.01(A)(19), Revised Code.

**Mercantile Self-Directed:** Any program operated by a mercantile customer, whether committed for integration pursuant to Rule 4901:1-39-08, Ohio Administrative Code, or not.

**Mercantile-Utility:** Programs applicable to the utility's mercantile customer class as defined by (insert tariff or other reference), excluding any mercantile customer self-directed programs.

**Non-Energy Benefits:** Societal benefits that do not affect the calculation of program cost-effectiveness pursuant to the total resource cost test including but not limited to benefits of low-income customer participation in utility programs; reductions in greenhouse gas emissions, regulated air emissions, water consumption, or natural resource depletion to the extent the benefit of such reductions are not fully reflected in cost savings;

enhanced system reliability; or advancement of any other state policy enumerated in Section 4928.02, Revised Code.

**Peak-Demand Baseline:** The average peak-demand on the electric utility's system in the preceding three calendar years as reported in the electric utility's most recent long-term forecast report, pursuant Section 4928.66(A)(2)(a), Revised Code.

**Peak-Demand Benchmark:** The reduction in peak-demand an electric utility's system must achieve as provided in Section 4928.66(A)(1)(b), Revised Code.

**Portfolio:** All of an electric utility's programs in all the customer sectors.

**Program:** A collection of defined projects, activities, and measures that:

- (1) are administered by or at the direction of an electric utility and/or a mercantile customer;
- (2) target a specific market segment, customer class, defined end use, or defined set of market actors (e.g., designers, architects, homeowners);
- (3) are designed to achieve specific efficiency-related changes in behavior, investment practices, or maintenance practices in the energy market; and
- (4) are guided by a specific budget and implementation.

**Project:** An undertaking, with a defined starting and ending point, by or on behalf of a single end-user customer designed to achieve an energy efficiency improvement or reduction in peak demand.

**Residential:** Programs applicable to the utility's residential customer class as defined by (insert tariff or other reference), excluding low-income residential customers. Residential sector programs include single-family and multi-family housing projects.

**Residential Low-Income:** Programs applicable to the utility's low-income residential customer class, as defined by (insert tariff or other reference). Residential Low-Income sector programs include single-family and multi-family housing projects.

**Small Enterprise:** Programs applicable to any nonresidential, nongovernmental, for-profit customer that is not a mercantile customer.

**Transmission & Distribution:** Programs applicable to the utility's initiatives to reduce transmission and/or distribution losses.

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 1: Portfolio Summary of Lifetime Costs and Benefits**

**Notes:**

- o Consider each measure through its expected useful life, and total all measures in all programs
- o Net Lifetime Benefits, and TRC per the California Standard Practice Manual
- o Include both Peak Demand Reduction and Energy Efficiency Programs

Portfolio	Discount Rate	Total Discounted Lifetime Costs (\$000)	Total Discounted Lifetime Benefits (\$000)	Total Discounted Net Lifetime Benefits (\$000)	Cost-Benefit Ratio	TRC
Residential <i>(exclusive of Low-Income)</i>						
Residential Low-Income						
Small Enterprise						
Mercantile Self-Direct						
Mercantile-Utility						
Governmental & Nonprofit						
Transmission & Distribution						
Total						



Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 2: Summary of Portfolio Energy and Demand Savings**

MWh Saved for Consumption Reductions kW Reduced for Peak Load Reductions	Program Year 2009		Program Year 2010		Program Year 2011		Program Year 2012	
	MWh Saved	kW Reduced	MWh Saved	kW Reduced	MWh Saved	kW Reduced	MWh Saved	kW Reduced
<b>Baseline</b>								
<b>Residential (exclusive of Low-Income)</b>								
<b>Residential Low-Income</b>								
<b>Small Enterprise</b>								
<b>Mercantile Self-Direct</b>								
<b>Mercantile-Utility</b>								
<b>Governmental &amp; Nonprofit</b>								
<b>Transmission &amp; Distribution</b>								
<b>Portfolio Plan Total - Cumulative Projected Savings</b>								
<b>Percent Reduction From Baseline</b>								
<b>Percent Savings Due to Portfolio Above or Below Benchmark</b>								

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 3: Summary of Portfolio Costs**

	Program Year 2009	Program Year 2010	Program Year 2011	Program Year 2012
	Portfolio Budget	Portfolio Budget	Portfolio Budget	Portfolio Budget
<b>Residential Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Residential Low-Income Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Small Enterprise Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Mercantile Self-Direct Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Mercantile-Utility Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Governmental &amp; Nonprofit Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Transmission &amp; Distribution Portfolio Annual Budget (\$000 and percent of Portfolio Budget)</b>				
<b>Total Portfolio Annual Budget</b>				

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 4: Program Summaries**

o Add additional rows to list more programs.

	EE Program (check box)	PDR Program (check box)	Program Name	Program Market	Program Two Sentence Summary	Program Years Operated	Net Lifetime MWh Savings	Net Peak Demand kW Savings	Percentage of Portfolio and Total Lifetime MWh savings %/%
Residential Portfolio Programs (exclusive of Low Income)									
			Totals for Residential Sector						
Residential Low-Income Sector Programs									
			Totals for Low-Income Sector						
Small Enterprise									
			Totals for Small Enterprise Sector						
Mercantile Self-Direct									
			Totals for Mercantile Self-Direct Sector						
Mercantile-Utility									
			Totals for Mercantile Utility Programs						
Governmental & Nonprofit									
			Totals for Govt. /Nonprofit Sector						
Transmission & Distribution									
			Totals for T&D Sector						

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

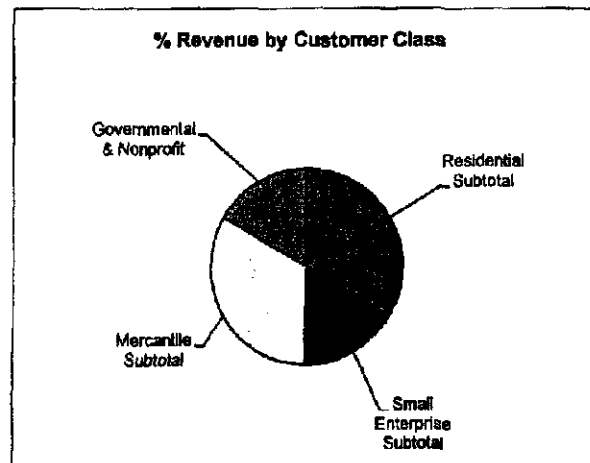
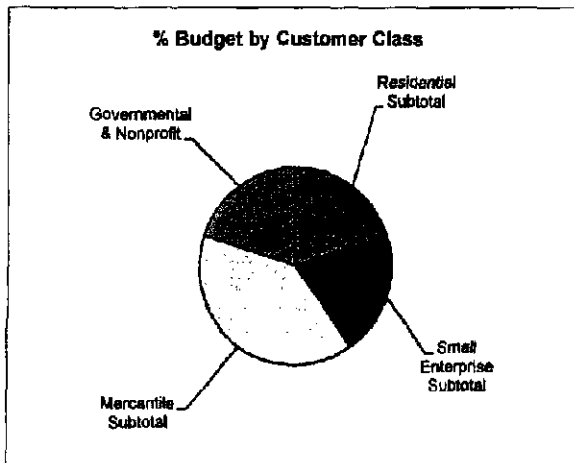
**Table 5: Budget and Parity Analysis Summary**

o Through program year 2012

o Include both Energy Efficiency and Peak Demand Reduction Programs

Customer Class	Budget	% of Total EDC Budget	% of Total Budget of Customer Programs	Total Revenue by Customer Class	% of Total Customer Revenue	Difference
Residential	1			1	0.16666667	-0.16666667
Residential Low-Income	1			1	0.16666667	-0.16666667
<b>Residential Subtotal</b>		<b>0.142857143</b>	<b>0.2</b>		<b>0.33333333</b>	<b>-0.13333333</b>
Small Enterprise	1			1		
<b>Small Enterprise Subtotal</b>		<b>0.142857143</b>	<b>0.2</b>		<b>0.16666667</b>	<b>0.03333333</b>
Mercantile Self-Direct <sup>1</sup>	1			1		
Mercantile-Utility	1			1		
<b>Mercantile Subtotal</b>		<b>0.285714286</b>	<b>0.4</b>		<b>0.33333333</b>	<b>0.06666667</b>
Governmental & Nonprofit	1	0.142857143	0.2	1	0.16666667	0.03333333
Transmission & Distribution	1	0.142857143				
Other Program Expenditures	1	0.142857143				
<b>EDC TOTAL</b>				<b>6</b>		

<sup>1</sup>Program Expenditures = Total Rate Exemption + any incentive



Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 6A: Program-Specific Assignment of Energy Efficiency & Peak Demand Reduction Costs <sup>1</sup>**

Residential Portfolio (excluding Low-Income)							
EE Program <sup>2</sup>	Cost Elements (\$) <sup>3</sup>						Totals
[Residential EE Program 1]							
[Residential EE Program 2]							
[Residential EE Program 3]							
EE Program Subtotal							
Peak Demand Reduction Program							
[Residential PDR Program 1]							
[Residential PDR Program 2]							
[Residential PDR Program 3]							
PDR Program Subtotal							
Totals							

**Notes:**

<sup>1</sup> Prepare and submit a separate table for *each* customer sector portfolio. The *Residential* portfolio is used here for illustrative purposes. Customer Sectors include Residential Low-Income, Residential (excluding Low-Income), Small Enterprise, Mercantile Self-Direct, Mercantile-Utility, Government/Nonprofit, and Transmission & Distribution

<sup>2</sup> List each program by name. Add rows as necessary.

<sup>3</sup> List all cost elements for each program that can be directly identified as relating exclusively to the specific customer sector addressed in this table. Any cost elements that are applicable to multiple sectors, or are common across all sectors, are to be listed in Table 6B (relating to Common Costs). Because cost elements may vary for each EDC and program, the EDC should designate cost elements at its discretion, and the Commission will review and evaluate the prudence and reasonableness of all costs shown.

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

Table 6B: Allocation of Common Costs to Applicable Customer Sector

Common Cost Element <sup>1</sup>	EE Program (check box)	PDR Program (check box)	Total Cost (\$)	Basis for Cost Allocation <sup>2</sup>	Class Cost Allocation (\$)					
					Residential (Including Low-Income)	Small Enterprise	Mercantile Self- Direct	Mercantile-Utility	Governmental & Nonprofit	Transmission & Distribution
<b>Totals</b>										

Notes:

<sup>1</sup> List all identified cost elements that are determined to be applicable to multiple customer sectors, or are common across all sectors. Because cost elements may vary for each utility and program, the utility should designate cost elements at its discretion, and the Commission will review and evaluate the prudence and reasonableness of all costs shown.

<sup>2</sup> Provide a brief explanation of the methodology used to allocate each common cost element to the applicable customer sectors.

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 6C: Summary of Portfolio EE & PDR Program Costs**

Portfolio	Total Sector Portfolio-specific Costs <sup>1</sup>	Total Common Costs <sup>2</sup>	Total of All Costs
Residential (including Low-Income)			
Small Enterprise			
Mercantile Self-Direct			
Mercantile-Utility			
Transmission & Distribution			
Governmental & Nonprofit			
<b>Totals</b>			

**Notes:**

<sup>1</sup> Cost figures are to be carried over from the last column ("Totals") of Table 6A.

<sup>2</sup> Cost figures are to be carried over from the bottom row ("Totals") of Table 6B.

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7A: TRC Benefits Table - Residential (excluding Low-Income)**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

Residential (exclusive of Low-Income)	TRC Benefits By Program Per Year (\$000)												
	Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in kW		MWh Saved	
						Generation	Trans/Dist	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
Retrofit Program #1													
New Construction #1													



Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7B: TRC Benefits Table - Residential Low-Income**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

Residential Low-Income	TRC Benefits By Program Per Year (\$000)													
	Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in kW		MWh Saved		
						Generation	Trans/Dist	Annual	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
Retrofit Program #1				1	2	3								
New Construction #1				1	2	3	4	5	6	7				

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7C: TRC Benefits Table - Small Enterprise**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

TRC Benefits By Program Per Year (\$000)														
Small Enterprise	Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in kW		MWh Saved		
						Generation	Trans/Dist	Annual	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
<i>Retrofit</i>														
		1												
		2												
		3												
<i>New Construction #1</i>														
		1												
		2												
		3												
		4												
		5												
		6												
		7												
<b>Total</b>														

**Table 7D: TRC Benefits Table - Mercantile Self-Direct**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

Mercantile Self-Direct	Program Year	TRC	TRC Benefits By Program Per Year (\$000)									
			Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in		MWh Saved	
					Annual	Trans/Dist	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
Program #1	1											
	2											
	3											
Program #2	1											
	2											
	3											
	4											
	5											
	6											
	7											
Total												

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7E: TRC Benefits Table - Mercantile-Utility**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

TRC Benefits By Program Per Year (\$000)														
Mercantile-Utility	Program	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in kW		MWh Saved		
						Generation	Trans/Dist	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime	
														Annual
														Annual
Program #1														
Program #2														

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7F: TRC Benefits Table - Governmental & Nonprofit**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

Governmental & Nonprofit	TRC Benefits By Program Per Year (\$000)											
	Program Year	TRC	Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in kW		MWh Saved	
					Generation	Trans/Dist	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
Program #1												
Program #2												

Tables for Energy Efficiency Peak-Demand Reduction Program  
Portfolio Plan Template

**Table 7G: TRC Benefits Table - Transmission & Distribution**

o Submit yearly projections for each program thru final year of that program for TRC evaluation.

Transmission & Distribution	Program Year	TRC	TRC Benefits By Program Per Year (\$000)									
			Program Costs (\$000)	Program Benefits (\$000)	Capacity		Energy		Load Reductions in		MWh Saved	
					Annual	Trans/Dist	Peak	Off Peak	Annual	Lifetime	Annual	Lifetime
Program #1	1											
	2											
	3											
Program #2	1											
	2											
	3											
	4											
	5											
	6											
	7											
Total												