



Case No. 09-512-GE-UNC

The Commission staff will host a second workshop regarding the development of an Ohio Energy Efficiency Technical Resource Manual in Case No. [09-512-GE-UNC](#), focusing on Total Resource Cost Test issues with respect to energy and peak demand reduction measurement and verification protocol.

Please note that the time has been changed to:

**Wednesday, August 5, 2009**

**10:00 a.m. – 3:00 p.m.**

**Hearing Room 11E**

**Webcast:** [www.puco.ohio.gov/apps/webcast/](http://www.puco.ohio.gov/apps/webcast/)

**Teleconference:** (614) 644-1080

### **Workshop Objectives**

- Provide Stakeholders a common understanding and facilitate discussion of Total Resource Cost (TRC)-related issues
- Provide a forum for discussion of TRC-related issues as they relate to the development of a statewide technical reference manual

### **Workshop Agenda**

#### **10:00 a.m. to 12:00 p.m. Presentations**

- 1) Cost-effectiveness Nuts and Bolts
  - a. Cost test definitions (TRC, PAC, PCT, RIM, SCT)
  - b. What do the various cost tests tell us?
  - c. What perspective does each represent?
  - d. What are the implications of choosing which tests to use?
  - e. Limitations and guidance from Ohio law and OPUC rules
- 2) What Other States Do and Some Examples
  - a. SCE, PSE, Avista, National Grid
  - b. Variations on the TRC
- 3) Key Drivers to the C/E Test Results
  - a. Which Benefits to Include
  - b. Level of Complexity When Forecasting Avoided Costs
  - c. Forecasts of Avoided Costs

- d. Area- and Time-Specific Marginal Costs
- e. Net Present Value and Discount Rates
- f. Establishing the Net-to-Gross Ratio
- g. Codes and Standards
- h. Non-Energy Benefits and Costs
- i. Incentive Mechanisms
- j. Greenhouse Gas Emissions
- k. Renewable Portfolio Standards

**12:00 p.m. to 1:00 p.m. Lunch Break**

**1:00 p.m. to 2:00 p.m. Presentations**

- 4) Developing Avoided Costs in Restructured Markets
  - a. Components of avoided cost
  - b. Short, medium and long term market forecasts
  - c. Energy and capacity valuation
- 5) Specific Considerations in Ohio
  - a. Tools that promote transparency in benefit/cost calculations
  - b. Implications for opt-out-eligible industrial customers
  - c. Market transformation programs and meeting future targets

**2:00 p.m. to 3:00 p.m. Questions and Answers**

**3:00 p.m. Adjourn**

Information regarding this event will be posted at:

[www.puco.ohio.gov/PUCO/IndustryTopics/Topic.cfm?id=9564](http://www.puco.ohio.gov/PUCO/IndustryTopics/Topic.cfm?id=9564)

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**Case No(s). 09-0512-GE-UNC**

Summary: Notice of revised time and agenda for TRC Workshop to be held on Wednesday, August 5, 2009 at 10:00 a.m. - 3:00 p.m.  
electronically filed by Richard M Bulgrin on behalf of Public Utilities Commission of Ohio