

**Response of
Interstate Power and Light Company
to
OFFICE OF CONSUMER ADVOCATE
Data Request No. 67**

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Information Requested By: Jennifer Easler
Date Responded: July 15, 2008
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Subject: Business Energy Audit

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The Business Energy Audit will begin with a walk-through. The auditor will install a range of energy efficient measures as applicable.

- A. Will the program include more comprehensive analysis opportunities (beyond the walk-through)? Please explain.
- B. What is the protocol for measure installation by the auditor?
- C. What are the qualifications of the auditors?
- D. What is the monitoring and evaluation process for the auditor's work?
- E. How are savings determined?

Response

- A. No. However, before any audit occurs, a screening process is performed by IPL to determine if the customer requires a walk-through or a more sophisticated, targeted approach. Based on stakeholder input from collaborative meetings, the target customers for the walk-through offering are looking for a trouble-free, straightforward program that offers basic shell measure energy efficiency improvement ideas. If the customer has a more sophisticated operation, the screening will provide a better fit for the customer's needs. If, for example, a customer has an intensive cooking operation, a different auditor with commercial kitchen expertise may be assigned. Or, customers whose projects are larger or more complex in scope, for example, may find their needs met by the commercial and industrial Retro-Commissioning program.

- B. “Direct-installed” measures (energy-saving items designed to be implemented and operate during the audit) are offered to all customers where appropriate. Only with customer approval are the measures installed.
- C. The auditors have backgrounds in HVAC, insulation, lighting, motors, kitchen equipment and commercial construction techniques. These auditors have trained at the University of Wisconsin’s program for commercial energy efficiency and also receive ongoing training in lighting, HVAC and insulation technologies.
- D. IPL will include the auditor’s work in the third-party measurement and evaluation schedule for the Plan, which will likely include conducting process and impact evaluation of direct-installed measures, customer satisfaction surveys and benchmarking. Each quarter, IPL requests verifications of three percent of insulation installations to be completed by a third-party contractor. IPL reserves the right as noted on the rebate application to verify all energy-efficiency projects submitted for rebate. Additional verifications are performed on an as-needed basis at the discretion of the product manager.
- E. Savings for the Business Energy Audit program are estimated using two different approaches based on the two different types of measures that are implemented. First, savings from the direct-installed measures are based on the number of measures installed during the audit multiplied by the pre-determined savings per measure values where the savings per measure values are set during the Joint Assessment of Potential. Second, savings for insulation are calculated based on each insulation installation using square footage and before and after R-values for each type of insulation: attic and in-wall.