

**Response of
Interstate Power and Light Company
to
OFFICE OF CONSUMER ADVOCATE
Data Request No. 89**

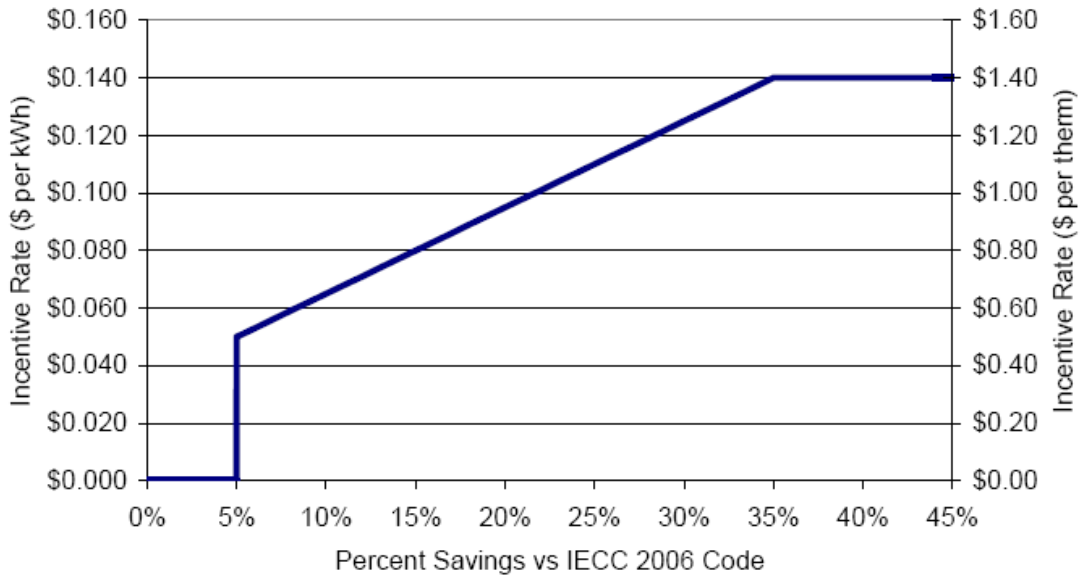
Docket Number: EEP-08-1
Date of Request: July 7, 2008
Response Due: July 14, 2008
Information Requested By: Jennifer Easler
Date Responded: July 17, 2008
Author: Gilbert Nunez
Author's Title: Product Manager
Author's Telephone No.: (319) 786-7237
Subject: Non-Residential New Construction

Data Request No. 89

- A. IPL will provide free Energy Design Assistance to customer using third-party contractors and verify savings on each project following occupancy. What will be the baseline for savings calculation, how will the savings verified, and how will incentives be determined for each project?
- B. IPL will provide Design Team Incentive intended to offset most or all of the expense incurred in the EDA process. Who is eligible to receive this incentive? What is the standard of review, and who does it, for the construction documents?

Response

- A. The baseline for Nonresidential New Construction is the State of Iowa Commercial Energy Code (ASHRAE 90.1 2004). Savings are verified through equipment submittals (construction documents), on-site inspection/verification and functional testing. Based on a sliding scale, this incentive is paid to the customer for implementing strategies that result in energy savings of at least fifteen percent better than State of Iowa Energy Code. The construction incentive is paid and impacts are realized based on verified savings following occupancy. Incentives range from \$0.05/kWh and \$0.50/therm to \$0.14/kWh \$1.40/therm for savings ranging from 15 percent to 35 percent above baseline. Table 1 below shows the sliding scale structure of incentive. Attachment A shows the algorithms for the sliding scale.



- B. The design industry professionals hired by the customer to design the building and collaborate with the program contractor are eligible to receive the incentive. The program contractor reviews the construction document for energy efficient measures selected during the bundle meeting. During the construction document (CD) review, the program contractor verifies that all measures selected in the bundle meeting have been incorporated into the construction documents. The program contractor then will issue a report on the CD review stating its findings and provide the customer with an estimated incentive.

**Commercial New Construction Program
 Construction Incentives**

| Construction Incentives | | |
|--------------------------------|-----------------|-------------------|
| % Savings | \$ / kWh | \$ / Therm |
| 0% | 0 | 0 |
| 1% | \$0.000 | \$0.000 |
| 2% | \$0.000 | \$0.000 |
| 3% | \$0.000 | \$0.000 |
| 4% | \$0.000 | \$0.000 |
| 5% | \$0.000 | \$0.000 |
| 6% | \$0.000 | \$0.000 |
| 7% | \$0.000 | \$0.000 |
| 8% | \$0.000 | \$0.000 |
| 9% | \$0.000 | \$0.000 |
| 10% | \$0.000 | \$0.000 |
| 11% | \$0.000 | \$0.000 |
| 12% | \$0.000 | \$0.000 |
| 13% | \$0.000 | \$0.000 |
| 14% | \$0.000 | \$0.000 |
| 15% | \$0.050 | \$0.500 |
| 16% | \$0.053 | \$0.530 |
| 17% | \$0.055 | \$0.550 |
| 18% | \$0.058 | \$0.580 |
| 19% | \$0.062 | \$0.620 |
| 20% | \$0.065 | \$0.650 |
| 21% | \$0.069 | \$0.690 |
| 22% | \$0.072 | \$0.720 |
| 23% | \$0.076 | \$0.760 |
| 24% | \$0.081 | \$0.810 |
| 25% | \$0.085 | \$0.850 |
| 26% | \$0.090 | \$0.900 |
| 27% | \$0.094 | \$0.940 |
| 28% | \$0.099 | \$0.990 |
| 29% | \$0.105 | \$1.050 |
| 30% | \$0.110 | \$1.100 |
| 31% | \$0.116 | \$1.160 |
| 32% | \$0.121 | \$1.210 |
| 33% | \$0.127 | \$1.270 |
| 34% | \$0.134 | \$1.340 |
| 35% | \$0.140 | \$1.400 |
| >35% | \$0.140 | \$1.400 |