

**Response of
Interstate Power and Light Company
to
OFFICE OF CONSUMER ADVOCATE
Data Request No. 16**

Docket Number: EEP-08-1
Date of Request: May 16, 2008
Response Due: May 23, 2008
Information Requested By: Jennifer Easler
Date Responded: May 23, 2008
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Subject: Trees
Reference: 2009-2013 Energy Efficiency Plan, Page(s) 138-139

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How does IPL calculate savings of 23,000 kWh and 4,500 therms attributable to the Trees Program? Explain how IPL determines the savings to be directly attributable to this program.

Response

The savings values of 23,000 kWh and 4,500 therms are based on the following calculations; for electricity:

23,064 kWh = (400 kWh saving per tree)x(5,766 trees planted)x(10% of trees) and for natural gas:

4,537 therms = (78.7 therms savings per tree)x(5,766 trees planted)x(10% of trees),

where the 5,766 figure is the number of trees planted in one year, 10 percent is the percentage of trees that are expected to survive and provide energy reducing benefits, and the 400 kWh per tree and 78.7 therm per tree values are outputs of the software program i-Tree. The i-Tree program is a product of the USDA Forest Service that provides urban and community forestry analysis and benefit assessment tools. i-Tree is available for free at www.itreetools.org.

The above savings of 23,000 kWh and 4,500 therms on page 139 of IPL's Application in Iowa Utilities Board Docket EEP-08-1, filed on April 23, 2008 should have attributed these savings to the Operation ReLeaf program. The savings for IPL's two tree-planting programs, Branching Out and Operation Releaf, were inadvertently transposed during the application preparation. The Branching Out savings should have been stated as 54,000 kWh and 11,000 therms on page 139 of the Application.

For reference, IPL notes that the estimated savings of the combined impact of both components of its trees program are 54,297 kWh and 10,692 therms per year, as stated on pages 32 and 51 respectively of Appendix A of the Application. Each value by fuel type is lower than the sum of the two corresponding values cited in the prior paragraph since the Branching Out estimates will be lowered for future calculations. The Branching Out estimates were determined using a US Department of Energy software tool and will be done via the USDA i-Tree program going forward.