Pathway to Energy Improvements

Update on the Energy Conservation Audit and Disclosure (ECAD) Ordinance

Council Committee on Austin Energy
November 13, 2014
Austin’s Energy ECAD Role

- Reduce carbon through conservation
- Implement benchmarking and disclosure
  - One of five cities initially
    - Austin, Seattle, San Francisco, New York, Washington D.C.
  - First to focus in all market sectors
- Increase participation in energy efficiency improvements:
  - Through awareness of energy consumption
    - Multifamily, commercial, and residential can obtain usage on COA Data Transportation portal, AE app, EUI and MF Audits
    - Contact AE – ecad@austinenergy.com
  - Convert energy audits to rebate participation
Residential Disclosure Markets

Residential Cumulative

- Single Family Homes
  - 2013: 4344
  - 2012: 3538
  - 2011: 2895

Residential Compliance Rates

- 2010: 70%
- 2011: 49%
- 2012: 50%
- 2013: 52%

Multifamily Cumulative

- Multifamily Properties
  - 2013: 103
  - 2012: 629
  - 2011: 99

Multifamily Compliance Rates

- 2011: 58%
- 2012: 66%
- 2013: 80%

NOTE: Results as of August 1, 2014
Commercial Disclosure & Challenges

- **Mandatory vs. Voluntary**
  - Enforcement through the municipal court process

- **Reporting Cycles**
  - Commercial - yearly reporting
  - Multifamily - every 10 years

- **Community Outreach**
  - Building owners (not property managers) receive reminder letters

- **Portfolio Manager Reporting Tool**
  - Other jurisdictions use Tool’s Web Services feature to communicate energy data

**Commercial Cumulative**

- Tier 3: 95, 33, 77, 595
- Tier 2: 174, 478, 469, 507
- Tier 1: 155, 450, 508

**Commercial Compliance Rate**

- Tier 1: 26%, 76%, 62%, 62%
- Tier 2: 11%, 18%, 44%, 48%
- Tier 3: 2%, 4%, 31%

**Notes:** Results as of August 1, 2014
2014 Commercial Efforts

- Commercial outreach campaigns:
  - Nov. 2013 Notification letters
  - July 2014 letter campaign:
    - 438 Thank You Letters
    - 1,658 Non-compliant Letters
    - 295 previously compliant letters
- AE provided 10 ENERGY STAR® Portfolio Manager Workshops
- Local service providers increased from 9 to 17
- Updated ENERGY STAR® online video
- All City buildings have reported
ECAD Multifamily Successes

* Approach to be expanded into commercial market in 2015
Enhancements

• Create stronger linkages with AE programs
  – Expanding successful approach of Multifamily into Commercial Offerings
  – Demonstrate leadership with City Buildings Compliance

• Simplify the data submittal process and tools

• Increase community outreach
  - Education on the value of ECAD
  - Improve relationships with groups such as Affordable Multifamily Housing and Real Estate community
  - High energy users

• Benchmark and share best practices nationally
  - Collaborate with DOE Grant Benchmarking group and Institute for Market Transformation (IMT) to advance Austin’s progress

• Single family audit video
What Commercial Customers Said

This is Confusing

Please make this easier!

How do I compare to other properties in Austin?

Austin Energy already has my bills. Why do I have to enter this data??

This takes too long!

Why didn’t I get a score?

How can ECAD help reduce bills?

Now What?

I’m not sure what meters are on my property

What does my score mean?
Austin Energy aggregates energy data by legal property boundaries.

Austin Energy contacts legal owner with aggregated information and categorizes the property based upon predominant use.

Legal owner reviews/acknowledges information and confirms or requests correction.

Austin Energy contacts property owner with site specific energy conservation program information.
Austin Energy Loads Aggregated Data into Salesforce

Outreach Team

Report Information: EUI, Letters, & Emails

Yearly Data Posted to AustinTexas.gov

SalesForce ECAD Commercial App

Customers Report Using Link
ECAD Commercial
Simplified Compliance Reporting Process

Customer Steps

#1
Austin Energy Reports Energy Data to Property Owners

#2
Owner Enters Key Code at ECAD Commercial
- Check to Comply
- Check for Rebate Info

#3
AE to Email updated report
- Check to Correct

Sample Report

Owner: Super Bowl
Owner Key Code: YXC90
Property ID 1
Address: Bowling Alley
Meter List: Meters 1, 2, 3

- kWh/sqft (Percentile Rank & Quartile)
- kW/sqft (Percentile Rank & Quartile)
- PF (Percentile Rank & Quartile)

Recommended Austin Energy Programs

Property ID 2
Address: Bowling Alley
Meter List: Meters 1, 2, 3, 4

- kWh/sqft (Percentile Rank & Quartile)
- kW/sqft (Percentile Rank & Quartile)
- PF (Percentile Rank & Quartile)

Recommended Austin Energy Programs
Summary

- Simplify reporting process for commercial customers
- Enhanced focus on outreach
- Increase adoption of energy efficiency programs
- Improved energy usage
- Increased customer satisfaction
Thank You!