Whole-City Energy Maps

Advanced Energy Intelligence AEI
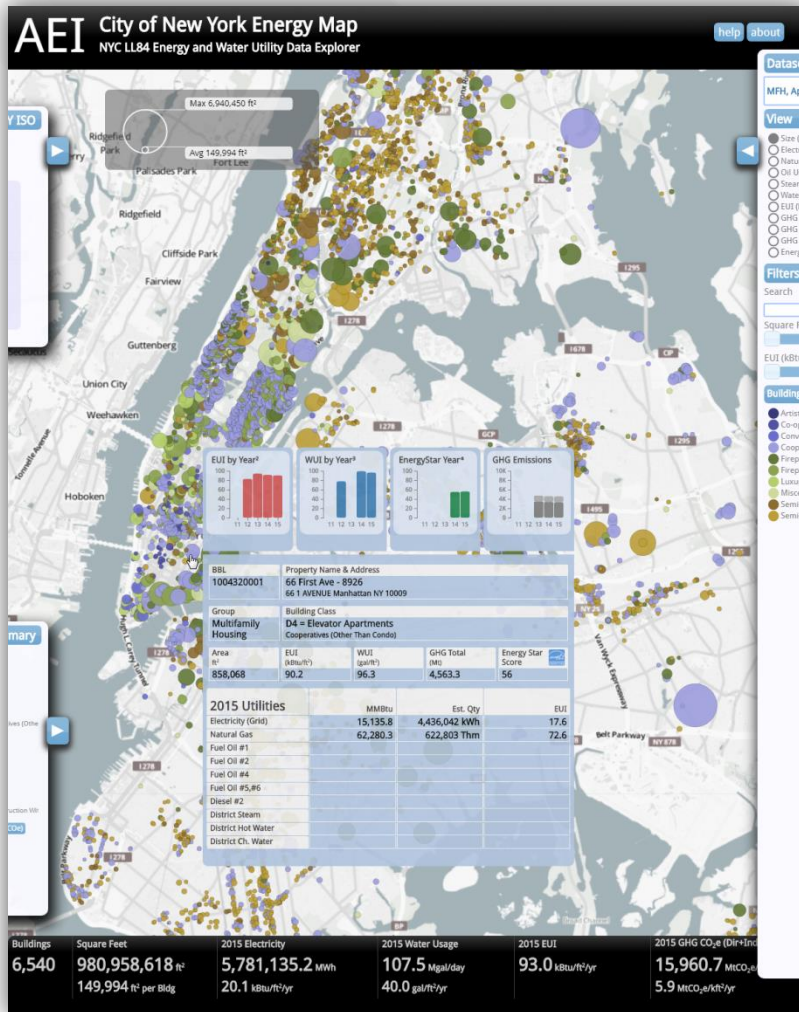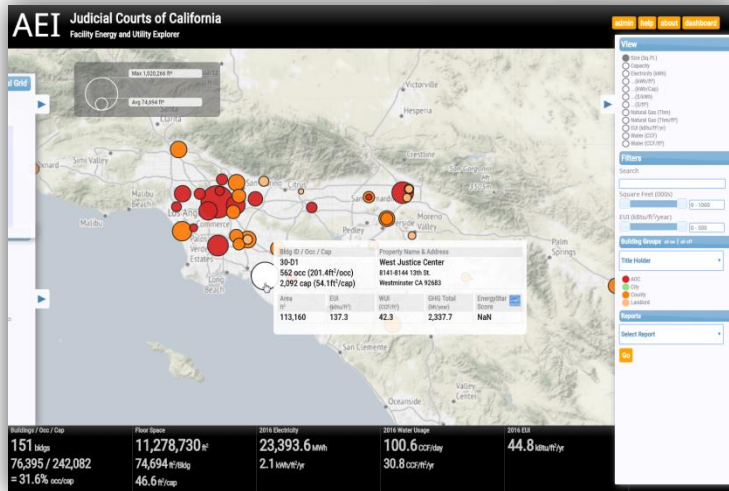

A comprehensive, visual and intuitive explorer for energy and water data across your entire portfolio.

AEI is a Boston-based small business with 50 years of experience in energy efficiency.
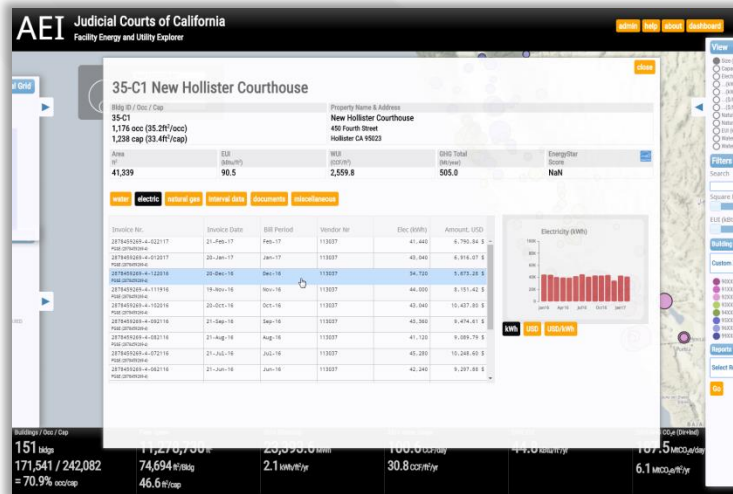
Whole-City Energy Maps

All Data Sources

- Local Law Disclosure
- Monthly Utility Bills
- Utility Interval Data
- Land Use and Tax Data
- Energy Star, Green Button
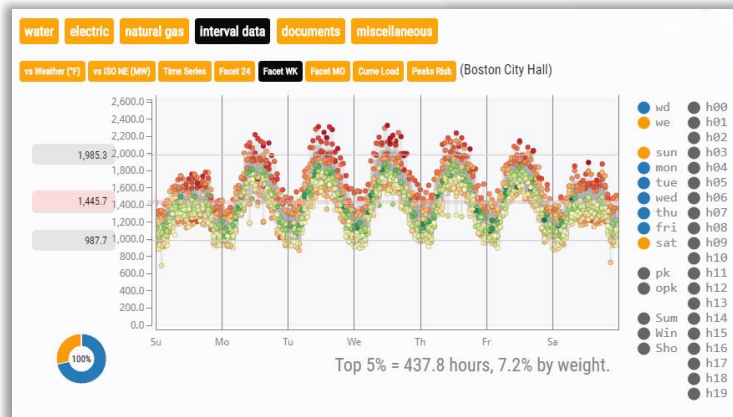- Other Public, Proprietary

Works For

- Commercial & Industrial
- Multi-family Housing
- Municipal
- Schools, Hospitals
- Best results with dozens of buildings, millions of sf.
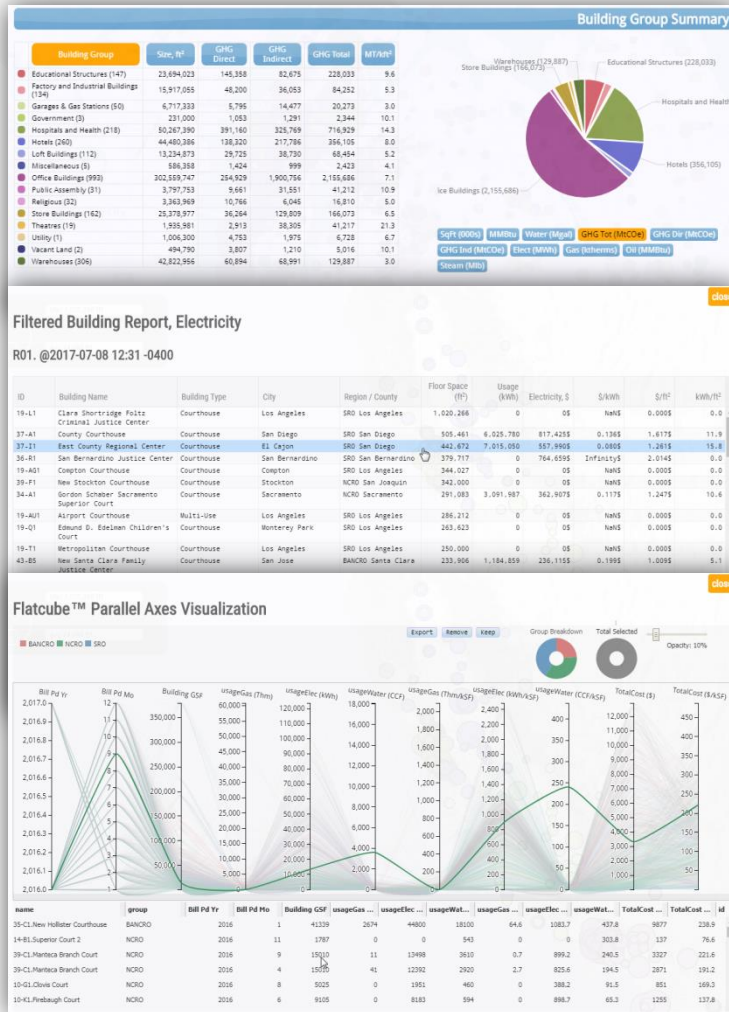
Whole-City Energy Maps

Utility Bills

- Reconciliation
- Analytics, Monthly Trends
- EUI by month, season, fuel
- Compare usage and cost per ft^2, occupancy, etc.
- CBECS Benchmarks, are you at 80 EUI?

Interval Data

- Building Profiles by day, week, season, occupancy
- Versus Weather, Grid
- Energy Conservation Discovery Process
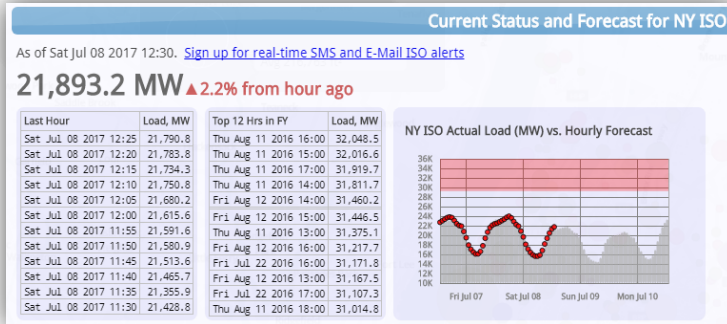
Whole-City Energy Maps

Aggregation

- User-defined, data-defined groups
- Compare by any metric or time period
- Include/Exclude combinations
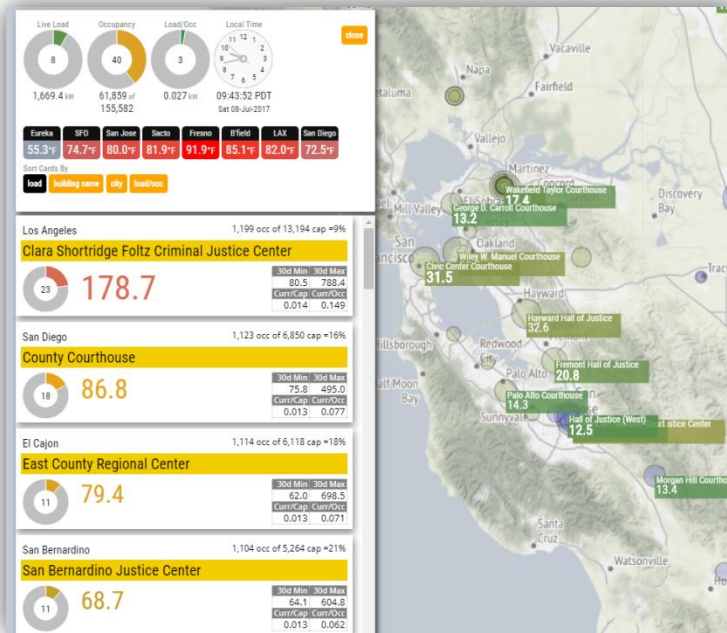
Reporting

- Stock and custom reports
- Monthly reconciliation
- Trends and Ranks
- Powerful Flatcube™ Analytics

Whole-City Energy Maps

Real-Time Grid
- Standard for your RTO
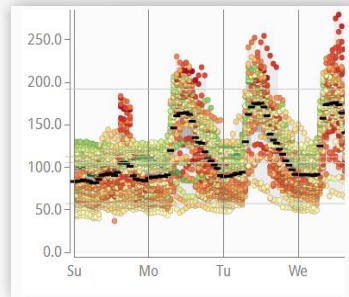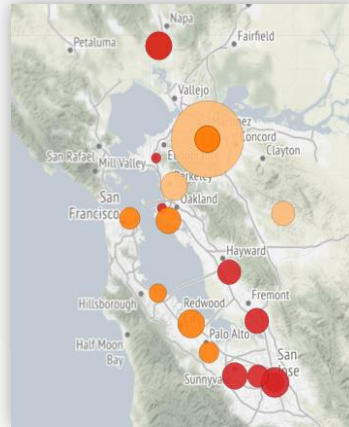- Peak demand SMS and E-Mail alerts
- Updates every 5-minutes

Real-Time Buildings
- OPTIONAL - NOT included in DOE BCA Offer
- SMS and E-Mail Alerts for building peaks in billing period
- Real-Time DR on your terms
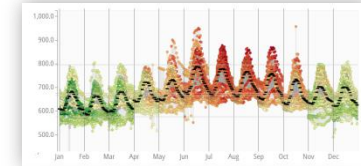- Feed your apps and kiosks

Benefits

- **Energy Map**
  Quickly locate outliers on any metric for any time period.
- **Profiling**
  Time-of-Use informs specific modes and savings opportunities.
- **Rank** buildings by applying pattern metrics across the portfolio to target candidates.
- **Disclosure** compliance support, **IPMVP** Option C.

75kW volatility during unoccupied hours is an annual $54k opportunity.

- **Real-Time Savings**
  Historic profiles plus real-time metering lets us know when we're getting close to a new peak.
- **SMS Alerts** give the operator advanced notice of grid or building peak conditions, or mid-day goals.
- **Engage DR and Social** to reduce demand charges on the monthly bill and reduce TNUoS charges.

Alert →

This building has a 95th percentile load of 800kW. Holding the load to 800kW would save over $10,000/year in demand charges alone. One hour in October cost $3,500.

Costs and Considerations

Advanced Energy Intelligence AEI

Architecture

- No installed hardware or software, accessible by browser
- Hosted by AEI or on your web site (with year 2 commitment)
- Integrated, single URL, data feed API to your apps, kiosks

Requirements

- Consistent, reliable and uniform format for utility billing data
- Access to web, EPO or other utility interval data services
- An engaged team resource

Thank You

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MORE INFO:

http://www.aeintelligence.com/doe-bca

LIVE DEMO:

http://www.aeintelligence.com/apps/06203/