

Austin Energy Green Building

Program Update

Resource Management Commission

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History & Mission

Austin Energy Green Building developed the first rating system in the U.S. for evaluating the sustainability of buildings, creating a model for many other cities as well as the U.S. Green Building Council's LEED certification system.

Since 1991, Austin Energy Green Building has provided:

- ratings and programs
- education and outreach
- advocacy and planning

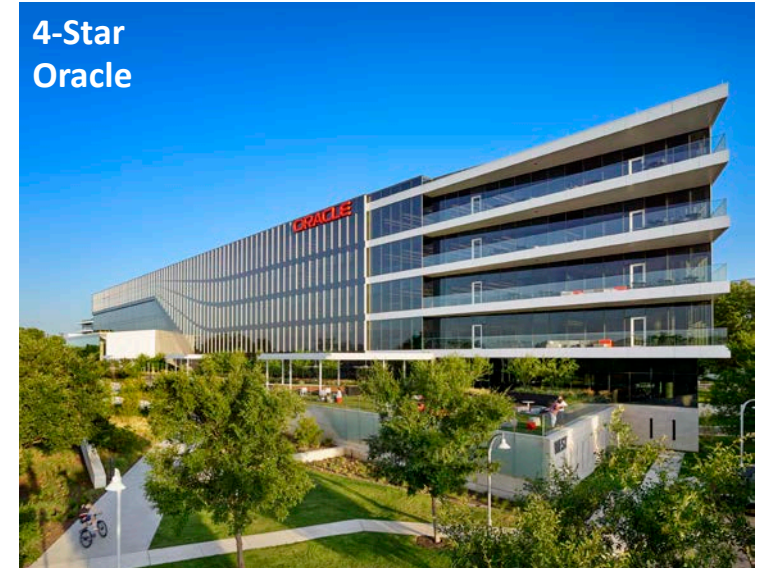
Mission

To cultivate innovation in building and transportation for the enrichment of the community's environmental, economic and human well-being



Austin Energy Green Building Ratings

Austin Energy Green Building (AEGB) rates new construction and major renovation projects for three markets



Single Family
Production and Custom Homes

Multifamily
Residential <7 Stories

Commercial
and Residential >7 Stories

15,432

14,448 Austin | 984 Extended Area

160

25,888 dwelling units

261

31,059,811 sq. ft.

15,853 AEGB rated projects
total reported from FY 1991 - 2018

Ratings & Programs FY2018

Single Family

895 homes

669 Austin | 226 Extended Area

Multifamily

14 projects

2658 dwelling units

Commercial

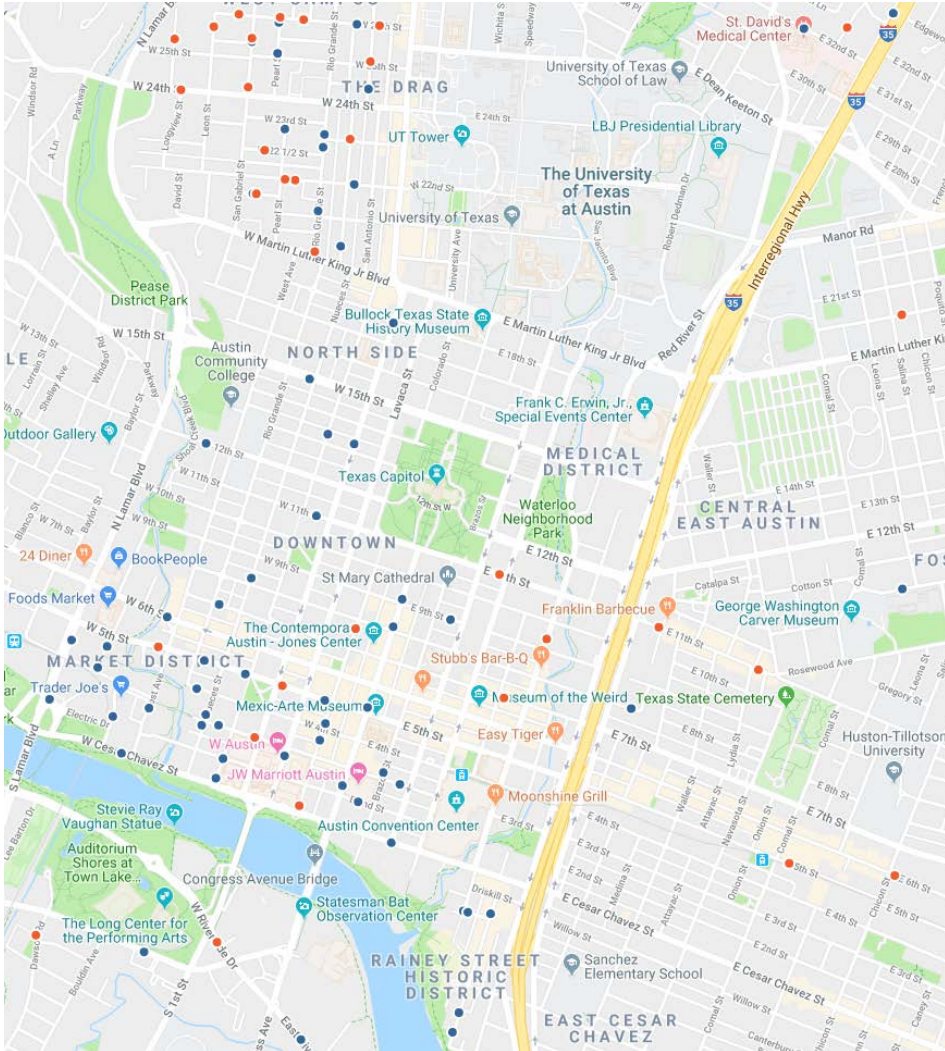
28 projects

5.4 million sq. ft.

Integrated Modeling Incentive

Qualified Energy Consultants **27**

Active Projects *in new program* **6**



Downtown **Multifamily** and **Commercial** projects rated to date



Results FY 2018

Demand savings – **20.4 MW**

Energy savings – **40,090 MWh**

Natural Gas savings – **337,075 ccf**

Co₂e savings – **17,785 metric tons**

Water savings – **62,000,000 gallons**

Construction Waste diversion – **53,500 tons**

Equivalent Impacts

Electricity use of **3,400 avg homes**

Trash collection of **78,400 avg homes**

Water use of **890 avg homes**

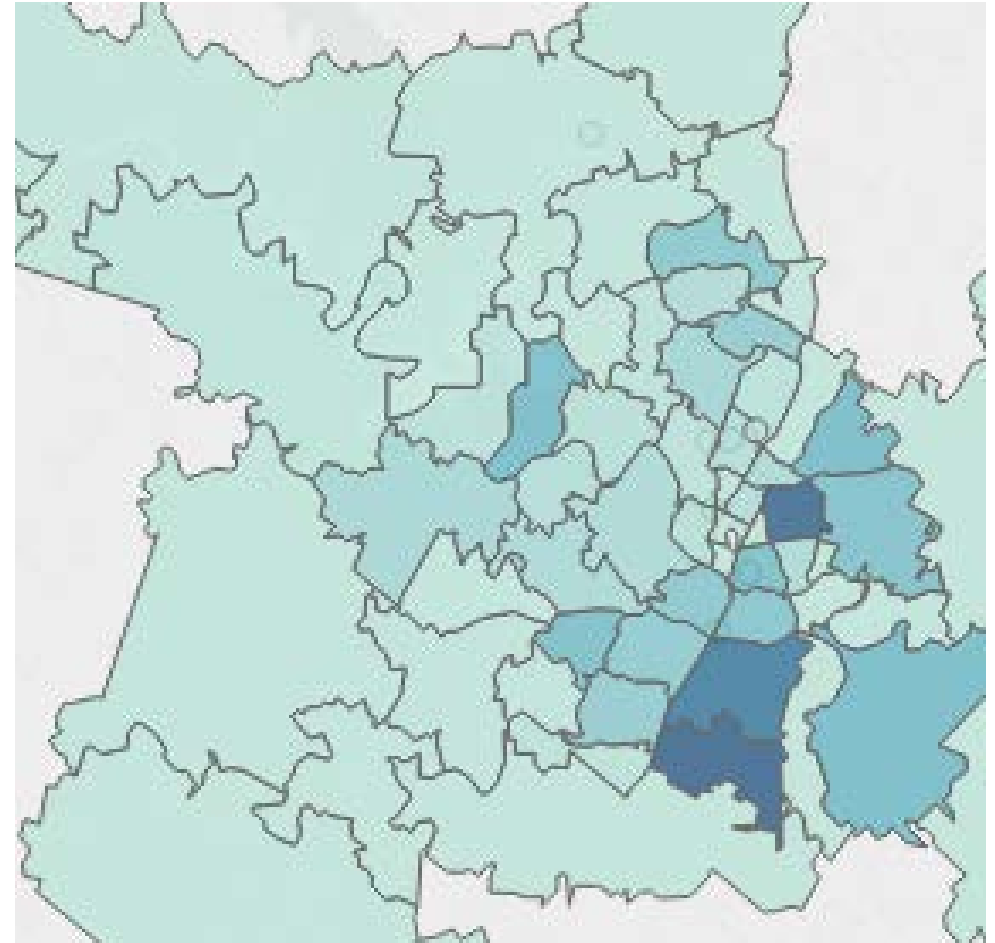


Tableau Data Dashboard

*Heat map of Austin illustrates AEGB projects rated by zip code
- depth of color indicates concentration of rated projects*



Codes | Ordinances | Standards | Initiatives

Austin Energy Green Building Innovation

- EV Ready
- 3rd party provision of EV Charging
- WiFi thermostats
- Live, work, play, learn metric
- Energy modeling
- Load monitoring & metering
- Water Forward
- Wildfire mitigation
- Solar Ready
- Jeremiah Project- net zero energy
- Grid Optimal
- Net zero carbon/affordability



Questions?

