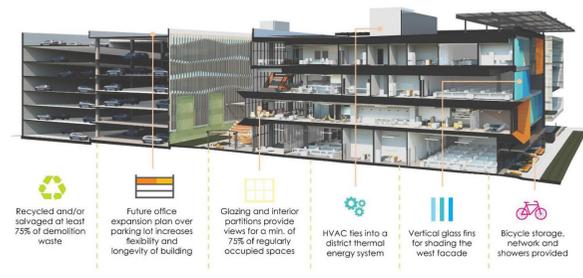
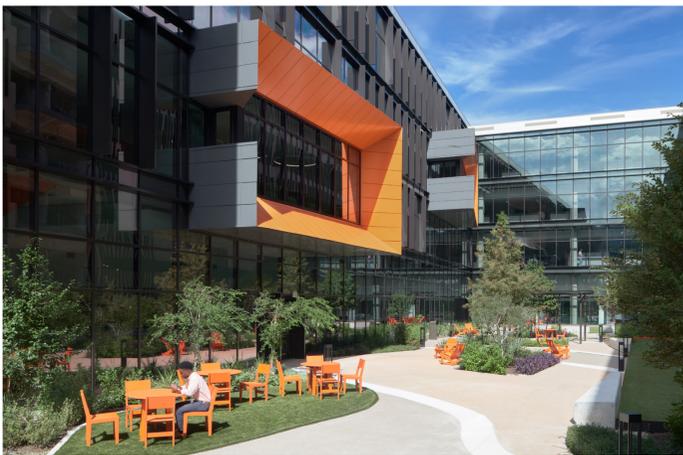


Austin Energy Headquarters
Austin, TX



OVERVIEW

The new Austin Energy Headquarters is a four-story office building located in Mueller, a LEED ND Gold Development. With a prominent public entry on Mueller Boulevard, the new Headquarters welcomes the community and both contributes to and benefits from the dynamism and energy of this growing part of Mueller. This new construction, low-rise single-tenant office building has an attached parking garage that accommodates about 1,000 vehicles.

The building spans a 400-foot-long “super block,” and the massing is volumetrically broken into separate volumes punctuated by varied glazing conditions, a ground floor loggia condition, and other elements to create an engaging, pedestrian-scaled building. These three volumes are tied together visually by the solar array at the roof, which not only offsets the building’s carbon footprint but symbolizes Austin Energy’s commitment to sustainable energy generation.

ENERGY

The rooftop solar array generates 62% of total energy load. The mechanical system uses highly efficient chilled beams for zones more than fifteen feet from exterior glazing, and automated window shades have automatic controls to maximize daylight harvesting. The building receives chilled water from the Mueller Energy Center, a plant that uses a load shifting strategy for chilled water production. Chilled water is generated at night when electric loads are low and stored tanks for use during the peak afternoon cooling periods.

COMMUNITY + PLACE

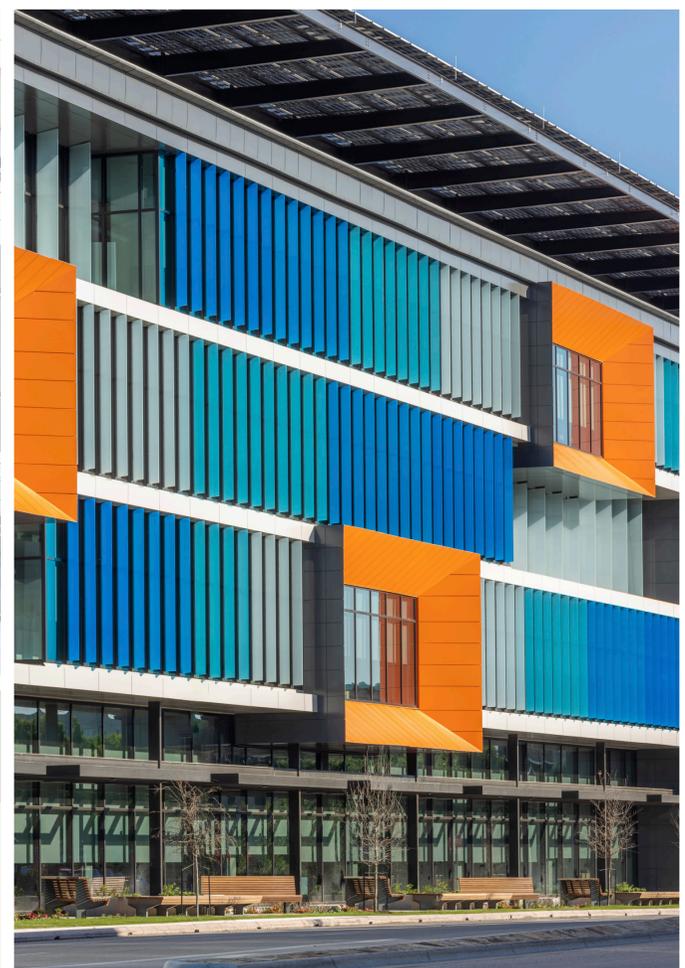
As a municipal utility company, Austin Energy is closely woven into the community and is dedicated to a culture of reduced energy consumption and safety. Its robust educational curriculum for K-12 students throughout its service area and community outreach programs are dedicated to ensuring safety near utility lines and optimizing energy efficiency for all customers. Its ground-floor assembly space is available for community groups and will host school groups in coordination with The Thinkery, a nearby science museum. Austin Energy will also curate the sidewalk-level galleries on the north side of the building to offer a rotating display of local art and educational assets.

WATER

The new Headquarters is designed for water efficiency. To reduce the potable water demands, the project uses municipal treated reclaimed water for all non-potable uses such as irrigation and flush fixtures such as water closets and urinals. Selecting native and drought tolerant plants and using drip irrigation provides further efficiency to reduce overall irrigation demands. The project connects to the district chilled water loop, reducing process water demand. Potable interior demand is reduced by 74%, and potable exterior is eliminated altogether.

RESILIENCE

The building looks to the future by planning to grow onsite. The top office floor aligns with the attached parking structure and includes all necessary utilities and engineering to allow an office expansion to take over the top parking deck, and the garage structure itself is engineered to accommodate adding another level of office building above.



62%
of Building load generated by onsite solar

74%
Potable Water Savings for indoor use