

REPOWERING DOWNTOWN

RAINEY STREET SUBSTATION

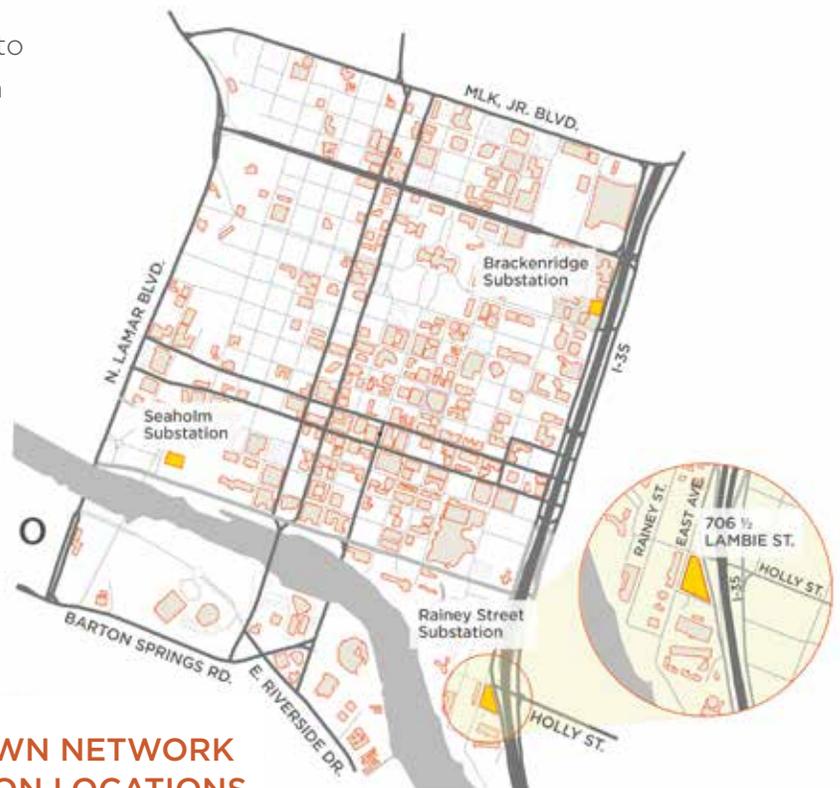
Austin Energy is Repowering Downtown to increase capacity, resiliency, and reliability to meet the needs of our growing city. This initiative includes upgrading transmission lines, improving the two existing downtown substations, and building a new substation near 706 1/2 Lambie St. in the Rainey Street District. Design for the new substation is underway, and we will be working closely with the community throughout this process.

The new substation will:

- Provide increased electrical capacity to meet downtown growth
- Allow Austin Energy to continue to provide reliable power downtown

LOCATION

- Selected in 1999 for the future electric needs of downtown
- Geographically located to meet electrical requirements
- Access to existing electrical transmission and distribution



**DOWNTOWN NETWORK
SUBSTATION LOCATIONS**



What is a substation?

Electricity is generated from power **generation** plants and renewable energy, such as wind and solar. It is then transmitted at high voltages across **transmission** lines.

Substations receive the high-voltage energy, and transformers reduce the energy down to a voltage level that can be safely delivered to customers. Energy is then delivered to homes and businesses through a network of above ground and underground **distribution** circuits.

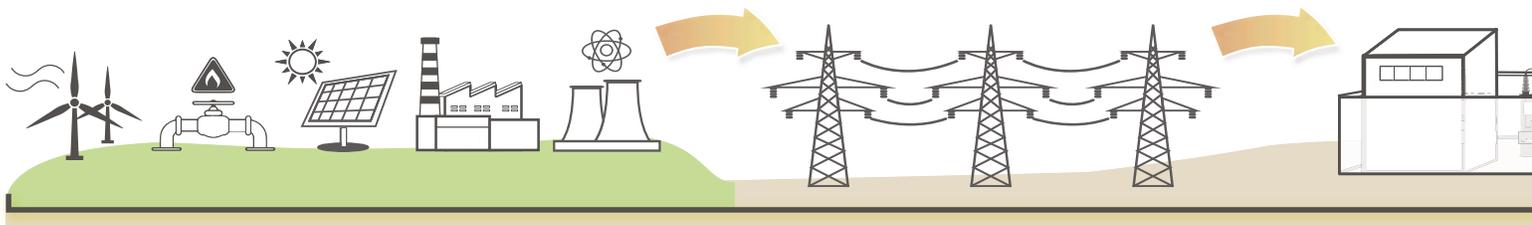
Austin Energy is modernizing the grid beyond the traditional **power delivery model** by focusing on energy that can be generated here in our community. Advancements in rooftop solar and battery storage means some energy is generated and stored locally. Modern substations must be capable of distributing energy generated from anywhere.

The Rainey Street Substation will be a modern substation built to serve a Smart City like Austin. It is being designed as a gas-insulated switchgear (GIS) substation. GIS reduces the footprint of a traditional substation by as much as 70% and is ideal for urban locations.

POWER DELIVERY MODEL

POWER PLANT

SUBSTATION



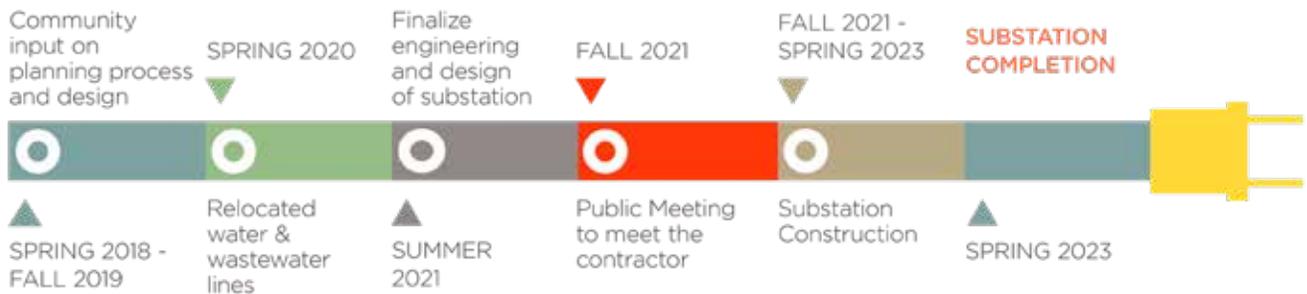
GENERATION

TRANSMISSION

Why is a new substation needed downtown?

Downtown Austin has experienced tremendous growth. The downtown electrical utilities system was built in the 1930's for a smaller population than it serves today. The Rainey Street Substation will strengthen the downtown network along with the entire Repowering Downtown initiative. Building the new substation will also enable upgrades to the other two existing downtown network substations.

RAINEY STREET SUBSTATION ANTICIPATED TIMELINE



DISTRIBUTION



COMMUNITY INVOLVEMENT

Since 2018, Austin Energy has held three community meetings and received feedback from over 600 participants about the potential design, layout, and concepts for the substation. The community also voted and selected the name, design, and streetscape features for the Rainey Street Substation.

Share your input and stay up to date by attending the public meeting, visting the project website, or contacting the project team.

CONTACT INFORMATION

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Austin Energy’s mission is to safely deliver clean, affordable, reliable energy and excellent customer service.



Repowering Downtown