



BUILDING INSPECTIONS DEPARTMENT RESIDENTIAL ENERGY STORAGE SYSTEMS & S.B. 1252

This handout provides guidance for homeowners and contractors installing residential backup power systems such as generators or battery storage units. While Texas Senate Bill (S.B.) 1252 changes what cities may regulate regarding the backup systems themselves, the City of Burleson still requires permits for all work that connects these systems to a home’s primary electrical or fuel infrastructure.

UNDERSTANDING TEXAS [S.B. 1252](#)

Effective September 1, 2025, S.B. 1252 restricts municipalities from adopting or enforcing local amendments to the National Electrical Code related to residential energy storage systems. The bill applies to systems that:

- Provide no more than 50 kilowatts (kW) of electricity, or
- Have a storage capacity of no more than 100 kilowatt-hours (kWh)

While the State now provides uniform standards for the core backup unit, S.B. 1252 does **NOT** prevent cities from regulating or inspecting the portions of the installation that tie the system into the home’s electrical, fuel, or structural components.

PERMIT REQUIREMENTS FOR SYSTEM CONNECTIONS

The City of Burleson enforces the 2020 National Electrical Code, the 2021 International Fuel Gas Code, and applicable zoning and building standards. Permits are required for all work that affects the home's primary electrical or fuel systems.

The following permits must be obtained before installation begins:

Component	Permit Required	Purpose of Inspection
Electrical Service Connection	Electrical One-Trade Permit	Ensures proper installation of transfer switches, disconnects, grounding, bonding, and service modifications connecting the backup system to the home.
Fuel Supply (Gas Generators)	Plumbing / Fuel Gas One-Trade Permit	Verifies safe installation or modification of gas piping from the primary fuel supply to the generator, ensuring leak prevention and compliance with fuel gas codes.

WHY PERMITS ARE REQUIRED

Even though S.B. 1252 limits the City's regulation of the backup unit itself, the connections to your home remain critical safety components. Electrical and fuel systems can pose fire, shock, and explosion risks if improperly installed.

Permits and inspections help ensure:

- Safe integration with the home's electrical system
- Proper grounding and bonding
- Secure and leak-free fuel supply piping
- Code-compliant placement and foundations
- Protection for occupants, property, and utility workers

CONTACT THE CITY OF BURLESON

Building Permits & Inspections Department
135 W Ellison St, Suite 109
Burleson, TX 76028

Permit Application Assistance: 817-426-9632

Inspection requests made before 8:00 PM are performed the next business day.

Inspection Request Line: 817-426-9636 (24/7 automated)

Online Inspection Request: [Inspection Request](#)

Office Hours: Monday–Friday, 8:00 a.m.–5:00 p.m.