

# SMART SERVICE PANEL

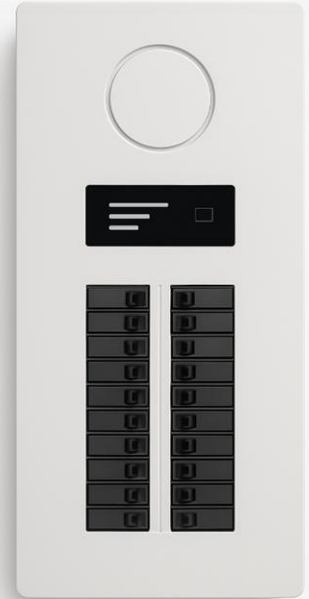
## *BESO Resilience Upgrade Measure*

### MEASURE INFORMATION

**Credits: 6**

**Description:**

A smart electrical panel replaces your existing panel and gives you circuit-level control and energy monitoring to help you manage your energy use across all your electrical appliances and systems. Smart panels are WiFi-enabled letting you track how much energy each part of your home uses and even control circuits remotely through a smartphone app. One of the biggest benefits is that it can help you go all-electric without upgrading to a 200-amp service. Many homes can support electric appliances like heat pumps, induction stoves, and EV chargers on a 100-amp service if energy use is managed smartly. A smart panel helps make the most of your existing capacity by shifting loads and preventing overloads, which can avoid costly electrical service upgrades. It's also a better choice for the grid, helping reduce strain by keeping your home's total power demand more flexible and efficient.



**Installation Criteria:**

Install an advanced electrical smart panel. Must be capable of real-time energy monitoring with Wi-Fi or cellular connectivity.

**Required Verification Documentation:**

- Permit + approved final inspection – *Include “for BESO compliance” in the scope of work section of your building permit application.*
- Contractor invoice
- Smart panel specification sheet

**Benefits:**



Electric  
Readiness



## ADDITIONAL RESOURCES

### **Bay Area Air District Zero NOx Appliance Rules:**

To improve regional air quality and reduce the amount of NOx and particulate matter emissions, the Bay Area Air District has adopted zero NOx emissions standards for natural gas fired furnaces and water heaters. When your gas appliance reaches the end of its life, you'll need to replace it with a zero NOx alternative, such as an electric heat pump.

For more information, see the Air District's [Fact Sheet](#) and [Frequently Asked Questions](#) on the zero NOx appliance rules. Completing this measure helps you comply with BESO and gets you ready for the new Bay Area District Zero NOx Appliance requirements.

### **Permitting Resources:**

- For information about the permit process, including permit types and requirements, visit the [City's permitting webpage](#). If you're new to the process or have questions, you can also [schedule an appointment with a permit specialist](#) for personalized guidance.