RESILIENT POWER WORKS

# Utility application discussion

A site-specific distributed-generation checklist

## Start with the operating need

Preparing feeder support, local capacity or microgrid resilience? Bring the requirements below to a discussion with Resilient Power Works (RPW). Identify what is known, estimated or still to be confirmed.

**Application / site:** _____ **Utility / contact:** _____

### 01 Load & dispatch

Bring peak, minimum and critical load (kW/MW), interval profiles and growth assumptions. Define steady-state or dispatched duty, operating hours, required response/ramp, outage duration and load-following needs.

### 02 Feeder / substation

Bring a one-line diagram, voltage, feeder/substation location, existing generation/storage and the constraint to address. Identify utility-side or behind-the-meter siting and a proposed point of common coupling (PCC).

### 03 Footprint & site access

Bring a site plan: usable area, topography, setbacks, flood exposure and access. Allow for switchgear, fuel/water equipment, safety clearances and maintenance access. Note noise, air-permit and local zoning constraints.

### 04 Feedstock availability

Identify available natural gas, methane, propane or other candidate supply. Record location, pressure/quality, capacity, service reliability and outage exposure. Ask which feedstock and hydrogen-production configuration suits the duty.

### 05 Water & supporting services

Identify water source, quality, flow and continuity, plus treatment/discharge constraints. Ask RPW to confirm consumption and purity for the proposed process and size; include auxiliary power and any renewable supply needed.

### 06 Interconnection & operations

Ask about studies, export limits, protection, grounding and switchgear. Clarify islanding/reconnection, black-start needs, dispatch/SCADA interfaces and cybersecurity. Identify permitting, operator and maintenance responsibilities.

## Where H2PWR Systems™ may fit

RPW presents H2PWR for utility-side distributed generation and microgrid applications, with on-site hydrogen production and dispatchable operation as design objectives. **Planned standard sizes: 250 kW, 500 kW and 1 MW.** Compare generation options against your site requirements; another technology may fit better. Ask for configuration-specific evidence on output, response, fuel/water use and operating support.

**CURRENT RPW TECHNICAL RESOURCES**

H2PWR Systems | Utility Market | Locational Benefits | White Papers

**Discuss your site requirements**

resilient-power-works@brainer.one

resilientpowerworks.com