



Community Wildfire Safety Program

Remote Grid Initiative

December 2020

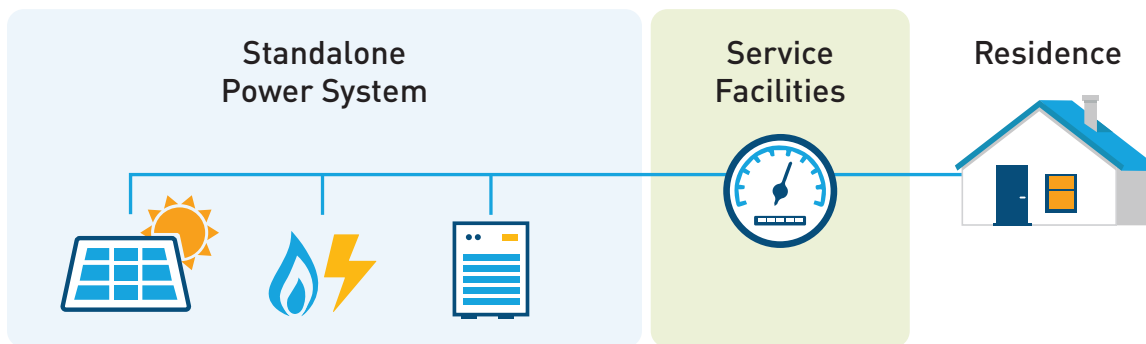
What We Are Doing

PG&E is working to improve safety and reliability and reduce overall costs to customers by exploring Standalone Power Systems, also known as Remote Grids, in targeted areas.

What Are Remote Grids?

Remote Grids run independently from the larger electric grid that delivers energy throughout the state. These solutions typically use a combination of solar power, battery storage and propane generation to continuously serve customers. Remote Grids provide safe, reliable and clean energy that is more resilient to any weather or Public Safety Power Shutoff (PSPS) impacts affecting nearby electric lines. Remote Grids are operated, serviced and maintained by PG&E.

How Remote Grids Work:



Where Will Remote Grids Be Used?

Remote Grids are an effective tool at the edges of the electric grid where PG&E identifies that energy needs are low but the length of electric lines between customers is high. A Remote Grid could serve one customer or a handful if they are very close by. In some cases, a customer eligible for a Remote Grid may prefer to discontinue taking PG&E service and possibly install and manage their own independent Standalone Power System instead.

Remote Grids are not a fit for larger clusters of customers or large energy users. PG&E foresees a meaningful contribution to fire risk reduction provided by a few hundred Remote Grids in High Fire-Threat District (HFTD) areas serving a population of customers who predominantly need ~20 kW of peak power demand or less.

Our planning teams are currently identifying locations and customers where this technology can succeed. Our near-term operational plan is to set up Remote Grids in a handful of locations in 2021. Remote Grids are a piece of a futuristic grid technology and a new utility service offering that PG&E is planning for today.

What Are the Cost Benefits of Remote Grids?

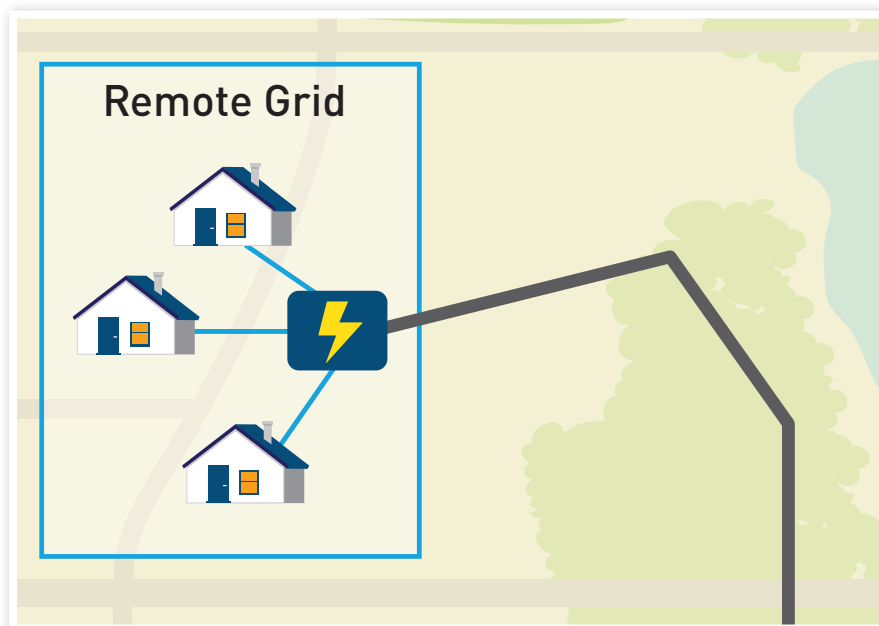
Remote Grids reduce the cost of a safe distribution system for all customers. By using a Remote Grid to remove distribution lines instead of spending more to harden or rebuild those lines, electricity is less costly for customers overall.

Benefits for All Distribution Customers:

- ✓ Reduced wildfire risk from utility infrastructure in HFTD areas
- ✓ Lower cost of service delivery compared to hardened distribution lines (e.g. hardened overhead lines or underground conversion)
- ✓ Lower cost of vegetation management due to reduced overhead line miles in HFTD areas
- ✓ Lower volume of conventional system hardening work, freeing resources for other locations not well-suited to Remote Grids



Benefits for Customers Served by Remote Grids:

- ✓ Reduced wildfire risk from electric poles and wires
- ✓ Reliable, clean energy, typically 70% renewable energy content
- ✓ A permanent, continuous power source that provides service throughout the year
- ✓ Beautification in the area where lines have been removed
- ✓ Fewer service interruptions during winter weather or PSPS events



What Remote Grids Look Like in Your Community

LEGEND

-  Standalone Power System
-  Distribution Line (To Be Removed)

Learn More

For more information on our Community Wildfire Safety Program, visit pge.com/wildfiresafety or contact us at wildfiresafety@pge.com or [1-877-295-4949](tel:1-877-295-4949).



For translated support in over 200 additional languages, please contact PG&E at [1-866-743-6589](tel:1-866-743-6589).