

PROGRAMS SUMMARY

Reinvesting in the community

Peninsula Clean Energy provides clean electricity at lower rates for its customers. As a not-for-profit agency, we invest earnings into programs that further reduce carbon emissions, support local jobs, deliver savings and other benefits to the community.

- **Electric vehicle (EV) incentives**

Peninsula Clean Energy offers incentives on electric vehicles. Programs for 2021 include rebates of up to \$4,000 for used EVs.

- **EV Ready charging incentives & technical assistance**

Our EV Ready program provides \$28 million in incentives, technical assistance, and workforce development for the installation of EV charging in San Mateo County. The program is designed for workplaces, multi-family dwellings, colleges, public parking garages/lots, and other public locations.

- **All-electric building technical design assistance and training**

The Electrification Technical Assistance program offers project design assistance and training from leading technical experts to architects, builders, developers, design engineers, contractors, and energy consultants to meet existing and emerging all-electric building and electric vehicle requirements.

- **Home upgrades**

San Mateo County homeowners can get a rebate of \$1,000 or more for new heat pump water heaters from Peninsula Clean Energy in addition to the support available from BayREN's Home+ program. Our income-qualified Home Upgrades Program offers an average of \$6,500 for home repairs, energy efficiency, and electrification measures

- **Local government support**

We support local government initiatives to advance decarbonization in our community, such as: building “reach” code assistance and technical training for all-electric buildings; support for municipal climate action plans and energy management; preliminary assessments for potential solar + battery storage projects on community shelters; and (soon) fleet electrification assistance.

- **Power On Peninsula resiliency initiative**

This program helps residents maintain power during outages, and help us move to 100% renewable energy. We have partnered with Sunrun to provide up to a \$1,250 rebate for homeowners on a solar + battery backup system.



PILOT PROJECTS

Supporting Innovation

Peninsula Clean Energy is fostering new technologies and developing new partnerships to increase access to affordable and sustainable clean energy solutions.

- **Low-power EV charging**

We are assessing solutions to help condo and apartment buildings more easily offer EV charging for residents. Our low power pilot focuses on increasing access to charging at multi-family buildings which meet driver needs while avoiding expensive service upgrades.



- **Managed charging**

By aligning clean energy supply and demand, we can reduce carbon emissions and lower energy costs. We are evaluating technology that allows EV drivers to conveniently shift EV charging to off-peak hours and put less strain on the grid during the evening.

- **Curbside charging**

Curbside charging can help improve access to charging and reduce carbon emissions. Peninsula Clean Energy's pilot program concentrates on overcoming barriers to implementing curbside charging so that it can be scalable and effective in the future.

- **Ride-hailing EVs**

Peninsula Clean Energy has partnered with Lyft to increase the use of all-electric vehicles for ride-hailing. This pilot provides a weekly incentive to drivers so that renting an EV is less costly or the same price as a gas-powered vehicle.

- **Advanced residential heating**

Harvest Thermal's innovative technology combines space and water heating into a unified system. This may help align energy supply and demand, thereby reducing utility costs and carbon emissions. The project supports further development of this technology and assessment of its costs and benefits.

- **Long-duration storage**

Peninsula Clean Energy has partnered with Form Energy on a full-scale, proof-of-concept, battery system that will provide 100 hours of energy storage at dramatically lower-than-current costs. The system will be assessed in a lab setting to validate the technology and facilitate market readiness.

