

## PLP Innovation and Technology Opportunity Grant Program Application

Library Name: Mountain View Public Library

Project Title: Wireless Charging Stations

Select category you are applying under:

Category A: Innovation and Technology Opportunity Grant

Category B: Grant Replication Program

If Category B is selected, enter the name of the grant you are replicating:

1. Please provide a one paragraph project summary.

This project aims to install wireless chargers at strategic locations throughout the library. Requests for chargers, whether for phones, tablets, or computers have become exceedingly common, as people now rely on their devices for everything from directions to accessing health records. The increased use of two factor authentication means that even when using the library's computers, customers may need to access a charged phone or other device to gain access to their email or other accounts. In addition, the libraries own digital resources are often accessed in house on customers personal devices. To meet this need, the Mountain View Public Library seeks to provide discrete, wireless charging stations at tables and study carrels strategically located throughout the library. Usability is uncomplicated and requires only that the customer has a wireless charging enabled device. The device is simply placed on the charging pad, with no wires or other secondary processes necessary.

2. Explain how this project fits with the library's strategic directions.

Mountain View Public Library has an ongoing mission to maintain and develop processes to ensure our services, programs and collections promote diversity, equity and inclusion within the community. We seek to accomplish this in a seamless and integrated fashion, incorporating universal design principles while employing the most technologically up-to-date equipment available, to reduce barriers and perceived and/or real hurdles to access. The increasing importance of digital resources in library collections and everyday importance of electronic devices for customers has led to a definite and real need for charging capabilities through discrete, but widely available charging. The growing predominance of wireless charging capabilities in mobile devices renders wireless charging stations a simple, effective solution to customers' needs. In addition, recent storms and heatwaves leading to power grid failures

across the city, have revealed pervasive instability of our infrastructure, effecting people's everyday lives in meaningful ways. These [power failures](#) have evinced a need that the library has at times struggled to meet. In these situations, the library has seen major upticks in customers seeking a cool, dry space with adequate seating and power. In fact, the Library welcomed 2,550 on March 15, 2023, due to storm-related power outages, a significant increase over the typical daily average of 900 visitors. Adequate charging has become an issue of equitable access to resources, and the library is uniquely situated to provide this resource.

3. Please provide a detailed description of the proposed project including the population served and the demographics of that population.

### Population Served:

Mountain View Public Library serves a diverse demographic of 86,535 residents, though that population grows to more than 120,850 during the day. In addition, [Mountain View's population is projected to grow](#) by the largest percentage within Santa Clara County (90%), passing the 100,000 mark well before 2040 thus increasing the library's role in provision of services, social and cultural programs, and job training access. This coupled with Mountain View's planned increase in affordable housing units aimed at stabilizing needs for the disabled and elderly indicates that the library needs to implement systems that will allow our customers equitable access to library services. This includes access to power sources for digital devices from which the library's digital resources can be accessed.

The Mountain View Public Library is committed to increasing access and engagement with customers by ensuring proper seating, lighting, temperature control and access to device charging, the latter of which has become an undeniable need and question of equitable access.

### Proposed Project:

The project seeks the purchase of 200 under-table wireless charging pads. The proposed chargers reduce clutter on desks and tables by hiding the bulk of the system beneath the surface, with only a thin charging pad, nearly flush with the surface, indicating where customers should place their devices to take advantage of seamless charging.

The project proposal is for 200 individual units and the ancillary equipment and labor required to install the chargers on already existing library work surfaces within the library's ten reservable study rooms and strategically located, additionally, throughout the library's first and second floors. Given the expected heavy usage, additional units and charging pads will be purchased to quickly replace any that are damaged through normal wear and tear.

4. What are the goals and objectives of the project?

This project aims to increase barrier free access to the library’s digital resources and to customers’ own electronic accounts by providing access to device charging stations that will not fundamentally alter the library’s already offered, infrastructural resources, such as desks and study carrels. This project aims to meet anticipated needs in population growth and demographics, while accounting for an uptick in weather related incidents which could lead to some power grid failures within the community.

5. Please include your project timeline (include detail of activities).

The project timeline is straightforward. Purchase of equipment and installation to be completed by January 2025. Production of the customized charging pads will take 20 to 30 days and installation should take no more than eight hours.

6. Please indicate how you will evaluate success of your project.

Evaluation of success of the project will be determined by survey responses by customers utilizing the equipment. We also plan to put QR codes on resonator pads linking to a short satisfaction survey. We will also perform sight checks to determine usage at set times of day.

7. Please detail your project budget. (Note: Indirect costs are not allowed).

DESCRIPTION	QTY	UNIT PRICE	AMOUNT
<a href="#">One Point Tech Stealth Wireless Charger QB21 Pro</a>	200	\$ 35.00	\$ 7,000.00
Resonator Pad Customization	200	\$ 2.00	\$ 400.00
Installation by hourly Library Assistants	16	\$ 46.89	\$ 750.24
Bracket and cable management solution	100		\$ 300.00
<a href="#">Power strips with surge arrest</a>	20	\$13.99	\$ 279.80

**TOTAL: \$8,730.04**

8. Please indicate how the project will be sustained after the grant term is over.

