

PLP Innovation and Technology Opportunity Grant Program Application

Library Name: San Bruno Public Library

Project Title: What's my AQI? Indoor Air Quality Monitor Kits

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:

South San Francisco Public Library, Clean Air for All : Circulating Indoor Air Quality Monitors

1. Please provide a one paragraph project summary.

Lately, our communities have been suffering from many factors that have impacted their respiratory health, from wildfire smoke to COVID-19, often leading them to stay inside their homes to stay safe. This is in addition to unknown air pollutants that they may already have in their homes. With more time spent indoors, along with windows and doors kept closed, there is a need for people to address their indoor air quality in order to lead a high-quality, healthy life. Devices such as air quality monitors assist people in knowing the air quality level in their home, alerting one to action as necessary to rectify poor air quality.

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

"Utilization of modern technology" and a "responsiveness to the community," are factors that anchor the Library's mission statement. An integral part of this mission is to provide the public with the most effective methods and resources to maximize the learning experience, which includes appropriate, up-to-date technology. By circulating digital air quality monitors, the Library is able to provide the community with technology to assist them in quickly determining their indoor air quality so they can address poor environmental situations, should they exist.

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

Air quality monitors will be distributed on a first-come, first-served basis at the Library. Devices, which cost \$200 pre-tax, will be circulated in a protective case, along with any needed accessories and instructional brochures for operation. In addition to these devices, the library will spend \$500 to obtain library materials on the topic of respiratory health and indoor air

quality. We will create a booklist in the Library's Bibliocommons catalog to provide easy access to these items in this collection.

This project will help motivate the community to take steps to improve their indoor air quality with easy-to-use technology devices. A person's first step would be to use the air quality monitor to determine their current indoor air quality. Next, if corrective action is needed, they can determine their issues and learn about possible actions that can be taken through our newly added library materials on the topic. Or if no corrective action is needed, they can learn about ways to maintain their status.

With the expense of air quality monitors, many members of our community may be unable to afford this expense, particularly in these current economic times. San Bruno is a middle-class community with a population of approximately 43,000 people. However, there are low-income areas of the community. Daily, the Library serves a community of need which is evidenced by the free and reduced lunch qualifying student percentages of the nearest elementary schools: Belle Air and Allen, 78% and 56% respectively (California Department of Education, 2019/2020). The air quality monitors will be our first public service offering that focuses on do-it-yourself health resources.

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

Goal 1: Distribute 15 air quality monitors via first come, first serve at the Library.

- Objective 1a: Acquire air quality monitors.
- Objective 1b: Prepare device kits for check-out.
- Objective 1c: Market availability of devices to patrons in English and Spanish.
- Objective 1d: Evaluate the project.

Goal 2: Encourage people to take steps to improve their indoor air quality and respiratory health.

- Objective2a: Establish collection of library materials on respiratory health and indoor air quality.
- Objective2b: Create Bibliocommons booklist of these items.
- Objective2c: Create informational brochures in English and Spanish for inclusion with air quality monitors kits.
- Objective 2d: Distribute survey to determine what borrowers learned and what steps they took or plan to take to improve their environment after using the indoor air quality monitor.

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

ACTIVITY	MONTH(S)
Acquire air quality monitors, cases, books and DVDs	September – October 2021
Create informational brochures and booklist	October – November 2021
Package devices and brochures	September – November 2021
Train staff to be familiar with the kit to be able to assist patrons	December 2021
Launch program and promote the kits	January 2022
Circulation of air quality monitor kits and distribute survey evaluations to patrons who check them out	Continuous
Prepare final report	June 2022

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

Library staff will evaluate the project with outcomes measurement surveys that are standardized by the Institute of Museum and Library Services. Each kit loaned will be accompanied by a survey which will be collected when the device is returned. In our survey, we will ask borrowers what they have learned and what steps, if any, they took or plan to take to improve their environment after using the indoor air quality monitor.

We will also track the circulation numbers of the air quality monitor kits.

Project success will be determined by how well the project goals/outcomes are met.

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

ITEM(S)	COST
(15 qty) Smart air quality monitor with chemical + particulate readings	\$3290
Packaging for kits	\$265
Books and DVDs on respiratory health and indoor air quality	\$500
Part-time staff hours for the processing, packaging and marketing of kits	\$300
TOTAL AMOUNT REQUESTED FROM PLP	\$4355

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

We will continue to market and circulate the air quality monitor kits after the grant term is over. We will replace defective devices through regular library budget funding. Depending on

demand, future funding will also be considered for additional air quality monitors or collection development for the area of respiratory health and indoor air quality.

Complete Only for Category B Grants:

9. Explain what grant was selected to replicate and why.

Air quality is a hot topic in the news currently. South San Francisco Public Library, the library that came up with the original idea for this grant, is a neighboring city that currently offers do-it-yourself health devices for wellness for patrons to check out. The San Bruno Public Library would like to replicate their grant to jump start our own wellness device program, which we currently do not have.

San Bruno Public Library staff reached out to South San Francisco Public Library to get feedback on their grant. They are getting ready to circulate their indoor air quality monitors to the public. We learned from them the exact air quality monitors and protective cases that they purchased. We plan on purchasing the same monitors and the same or similar cases. We received the informational brochure and marketing flyer that they have created, which we will use as a basis for our own brochure.

10. If there are changes or enhancements to the original grant, including budgetary changes, please detail the changes and your rationale for making them.

The only changes we made to the original grant application is:

Number of devices is half of the original grant application, due to San Bruno's population being one-third smaller than South San Francisco.

We are purchasing only one type of monitor to standardize our offering.

We are adding a booklist on respiratory health and indoor air quality to our Bibliocommons library catalog to aid in the finding of these materials for patrons.

We specified the languages to be English and Spanish in our informational brochures, marketing materials, and surveys.