



2022

Awards of
Distinction

NOMINATIONS



Awards of Distinction

Category:

**Environmental
Excellence**

CARPD Awards of Distinction Environmental Excellence Award - Nominee



Environmental Excellence Award - Nominee

Criteria: Honors programming or planning that supports environmental sustainability in the operation and management of District Facilities.

Nominee: The San Francisco Bay Trail RAAPP

District: East Bay Regional Park District

District Submission:

The East Bay Regional Park District (Park District) is pleased to submit a nomination California Association of Recreation and Park Districts Awards of Distinction 2022 (Environmental Excellence Award) the San Francisco Bay Trail Risk Assessment and Adaptation Prioritization Plan (RAAPP). The RAAPP was completed in April 2021 and the project website is located here. The Park District and project partners are now working to seek support and funding to implement key projects outlined in the RAAPP.

The RAAPP builds on the work previously conducted by San Francisco Bay Conservation and Development Commission (BCDC) for Adapting to Rising Tides (ART) program and the Adaptation Atlas developed by the San Francisco Estuary Institute (SFEI) and outlines adaptation strategies for varied shore types along the East Bay. Specifically, the RAAPP focuses on utilizing nature-based adaptation and incorporates environmental processes through human-designed features that mimic natural processes to provide coastal protection and other ecosystem services to help ensure the range of communities in the San Francisco Bay region can maintain access to the SF Bay Trail. The RAAPP was supported by a Caltrans Adaptation Planning Grant. Further, the RAAPP builds upon previous work of key agencies such as the BCDC and the SFEI. Through an innovative community engagement strategy the Park District was able to engage a wide range of community resources and stakeholders in development of the RAAPP.

The RAAPP is focused on balancing goals related to advancing ecological restoration, recreation, critical mobility, and interpretive educational opportunities. It applies a multi-scale approach, from a broader understanding of the regional shoreline to site-specific scale and priority sites. It prioritizes nature-based adaptation strategies to provide multiple benefits while recognizing the need for a coastal armoring approaches on a site-specific basis to protect the SF Bay Trail and shoreline access needs in East Bay communities. The RAAPP will help Park District partners and SF Bay Trail user plan for and adapt to rising sea levels. Through an innovative approach, the RAAPP can serve as an adaptation planning model for other Bay area and California communities that are balancing the need to maintain recreational access while protecting critical ecological resources in the face of a changing climate. The Project can form a model for the Park

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District and other public land managers with shoreline property for how to study SLR impacts and prioritize adaptation projects, particularly in areas where there is no Bay Trail.

The Park District appreciates the opportunity to submit.

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CARPD Awards of Distinction

Environmental Excellence Award - Nominee



Environmental Excellence Award - Nominee

Criteria: Honors programming or planning that supports environmental sustainability in the operation and management of District Facilities.

Nominee: Energy Efficiency/Solar Energy Project

District: Livermore Area Recreation & Park District



CARPD Awards of Distinction Environmental Excellence Award - Nominee



District Submission:

Beginning in the Fall of 2019 and ending in the Spring of 2021, LARPD completed two projects that have combined to lower our energy usage for our primary operating location, the Robert Livermore Community Center (RLCC), by 42% through energy efficiency measures, and to drive our net energy consumption to zero (energy production now equals usage) through the deployment of solar technology. As a result, our energy costs have declined by 60% per year, or ~\$200k annually.

A summary of the two projects that have driven the above results:

1. **Energy Conservation Measures (ECMs):** Completed in Fall, 2019, this project focused on the reduction of energy use at the RLCC through the replacement of infrastructure that was aging and inefficient with new energy efficient equipment. Project data points:
 - a. Cost: \$2.6 million;
 - b. Energy Reduction: 42%; annual savings of ~\$140k (which grows each year in line with energy prices);
 - c. \$1.6 million of the total project costs were financed through PG&E at 0% interest over 10 years (their "On-Bill-Financing" initiative).

2. **Solar Energy Generation Project:** Completed in Spring, 2021, LARPD, with support from its Contractor, Syserco and energy developer SSI DevCo, LLC, built a covered parking structure, on top of which are arrays of solar voltaic systems. The structure is owned and maintained by SSI, and LARPD incurred no capital outlay to build the structure. As well, SSI and LARPD agreed to set prices that LARPD will pay for the energy that is generated by the solar arrays at \$0.165 per kilowatt hour (kWh) for a 34 year term. Key project data points include:
 - a. Cost: \$0
 - b. Energy savings – \$60k per year (which grows each year in line with energy prices and which is in addition to savings identified for the ECM project above)
 - c. Net Energy Consumption: combined with the ECM project, the RLCC is now a zero net-energy consumer

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