

SECTION 8
PROGRAMMING/ALLOCATION GUIDELINES FOR
2014 MEASURE BB AND VEHICLE REGISTRATION FEE
TECHNOLOGY, INNOVATION, AND DEVELOPMENT PROGRAM

PROGRAM SUMMARY

The Technology, Innovation, and Development Program includes the discretionary funding primarily from the 2014 Measure BB. However, funds identified for the Vehicle Registration Fee (VRF) Local Technology Program may be made available upon availability, at the discretion of the Alameda CTC, to meet the overall goals of the Technology, Innovation, and Development Program. Projects funded through the program shall support innovative development and application of technologies that enhance the performance of a multimodal transportation system.

The 2014 Measure BB and VRF funds shall be allocated and expended in accordance with the requirements of their respective expenditure plans. The specific funding requirements related to the expenditure and reimbursement of 2014 Measure BB and VRF funds allocated to projects and programs as part of the Technology, Innovation, and Development Program shall be included in the funding agreements required between the Alameda CTC and the fund recipient.

FUND SOURCES

2014 Measure BB

Measure BB, approved by Alameda County voters in November 2014, authorizes the collection of a half-cent transportation sales tax and augments the existing 2000 Measure B sales tax program. Collection of the sales tax began on April 1, 2015 and will continue through March 30, 2045. The 2014 Transportation Expenditure Plan (2014 TEP) outlines projects that will be funded with the sales tax revenues. One percent (1%) of the net revenue collected is dedicated to funding innovative approaches to meet the County's transportation vision, emphasizing the use of new and emerging technologies to better manage the transportation system. Successful models will receive the first priority for funding from this category.

Funds will be distributed periodically by Alameda CTC for projects with proven abilities to accomplish the goals listed below:

- Increase utilization of non-auto types of transportation or to increase the occupancy of autos with the goal of reducing congestion, air pollution, and greenhouse gas production.
- Reduce transportation-related greenhouse gases through the utilization of a cleaner vehicle fleet including alternative fuels and/or locally produced energy.
- Use demand management strategies designed to reduce congestion, increase use of non-auto transportation, manage existing infrastructure and reduce greenhouse gas emissions.

- Inform consumers of their transportation choices and improve the efficiency or effectiveness of the county's transportation system.
- Manage parking supply to improve availability and utilization, and to reduce congestion and greenhouse gas production.
- Support environmental mitigation for transportation projects including land banking.

Grant awards will emphasize demonstrations or pilot projects which can leverage other funds.

Vehicle Registration Fee

Measure F, approved by Alameda County in November 2010, authorizes a ten dollar (\$10) per year vehicle registration fee. Collections for the VRF Program began in May 2011. The Measure F Transportation Expenditure Plan outlines projects that will be funded with VRF receipts. The goal of the VRF program is to support transportation investments that maintain and improve the County's transportation network and promotes the reduction of vehicle-related emissions through congestion relief, alternative transportation, or innovative transportation strategies.

Five percent (5%) of net VRF funds are dedicated to the VRF Local Transportation Technology Program. This program aims to improve the performance of road, transit, pedestrian and bicyclist technology applications, and would accommodate emerging vehicle technologies such as electric and plug-in-hybrid vehicles. On January 23, 2014, the Alameda CTC adopted a VRF Local Transportation Technology Program Policy to direct the administration of the Local Transportation Technology Program as a Direct Local Distribution (DLD) program to the Alameda CTC. The goal of this policy is to create a reliable source of funding to support ongoing operational requirements and cost incurred by the Alameda CTC for technology related capital investments that benefit traffic corridors in Alameda County such as the "Smart Corridors Program" and other significant countywide technology programs implemented by the Alameda CTC.

PROGRAMMING AND ALLOCATION PRIORITIES

The Technology, Innovation, and Development Program seeks to award projects that contribute significantly to furthering countywide technological advancement and innovation related enhancing the transportation system through new and emerging research, assets, capital investments, applications, and technological based transportation strategies. In general, competitive projects are those that serve more than one specific planning area or jurisdiction in Alameda County.

Priority (in no particular order) is given to projects as follows:

- 1. New and Innovative Approaches:** Priority consideration is given to projects and programs that employ "out-of-the box" approaches to improving the transportation infrastructure and transit services.

7. **Regional projects in the Expenditure Plans:** Priority consideration is given to regional projects that are identified in the transportation expenditure plans. Priority consideration is given to projects and priorities determined through the Alameda CTC Measure BB Capital Program Delivery Plan.
2. **Increase transit access and ridership:** Priority consideration is given to projects and programs that promote access, use, and connectivity to the transit system and services in Alameda County and throughout the region, by identifying mobility-enhancing practices and technologies that promote multi-modal connectivity, provide transportation options, and improve the transit user's experience.
3. **Asset Innovation and Management:** Priority consideration is given to projects and programs ("projects") that identify innovative and sustainable use of transit vehicles, transit operations, and services including the employment of new technologies or technology-based strategies and partnerships.
4. **Enhance Efficiency of moving people and goods:** Priority consideration is given to projects that create greater mobility and reliability of the transportation system through the application of innovative technologies and practices that create sustainable movement of people and goods that increase economic vitality for the county.
5. **Increase in Safety:** Priority consideration is given to projects that increase safety of the transportation system through safety-enhancing practices, technologies, and programs.

ELIGIBLE PROJECTS

Eligible projects include planning, development, implementation, and maintenance of technology that will best serve Alameda County's transportation goals. Alameda CTC's evaluation process will consider the balance of all project types, and prioritize improvements relative to each other (i.e. capital projects to capital projects, operations to operations, study to study), as feasible and practical.

Technology, Innovation, and Development Program funds will be available for projects that include, but are not limited to the following:

- Development, installation, operations, monitoring and maintenance of local street and arterial transportation management technology such as the "Smart Corridors Program", traffic signal interconnection, transit and emergency vehicle priority, advanced traffic management systems and advanced traveler information systems
- Infrastructure for alternative vehicle fuels such as electric and plug-in-hybrid vehicle stations
- New or emerging transportation technologies that provide congestion or pollution mitigation

- Advanced signal technology for walking and bicycling
- Traveler information systems
- Advanced safety systems including infrastructure improvements that support vehicle-to-vehicle and vehicle-to-infrastructure communication, technologies associated with autonomous vehicles, and other collision avoidance technologies
- Mobile applications that facilitates greater transportation access, car sharing, and user ability (enhanced information availability, connectivity to transit, user experience).
- Advanced public transportation technologies that assist public transportation operators or other shared mobility entities in managing and optimizing public transportation and mobility services. This includes remote fleet monitoring systems, coordinated communication systems, and applications that support transit connectivity, data collection, information sharing, and mobility sharing.

INELIGIBLE PROJECTS

- Projects that do not directly benefit or are inaccessible to the public.
- Projects that do not meet the goals and objectives of this program.