Metropolitan Transportation Commission

MTC Planning Committee

April 12, 2024 Agenda Item 7a

Transportation Electrification Initiatives: 2024 Local Public Fleet Electrification Planning
Technical Assistance Recommendations

Subject:

Approval of technical assistance for Bay Area public agencies to develop fleet electrification plans as part of MTC's Climate Program transportation electrification investments. This assistance will help local public agencies prepare to meet California clean fleet mandates and improve their ability to pursue capital funding for vehicle replacements and charging infrastructure.

Background:

On April 14, 2023, the Joint MTC Planning Committee with the ABAG Administrative Committee approved a set of Transportation Electrification (TE) initiatives and investment amounts to support the implementation of Plan Bay Area 2050 Environment Strategy 8 (expand clean vehicle initiatives) and help the region meet its greenhouse gas reduction target. The approved set of implementation initiatives included \$10 million for a Local Public Fleet Electrification Planning Assistance Program (TE Initiative 3a) to provide Bay Area public agencies with technical assistance to plan for the electrification of their fleets.

Under the California Air Resources Board's Advanced Clean Fleets rule, state and local agencies must begin transitioning their fleets to zero-emission vehicles this year. MTC's technical assistance program will help the Bay Area public agencies develop plans to meet these requirements and to better position them to access federal, state, and local capital funding opportunities for converting their fleets and installing charging infrastructure.

Application Process

A call for applications was released on January 11, 2024 for all Bay Area local public agencies that own and operate at least five vehicles. The program announcement was distributed widely by email to local staff, including all planning directors, public works directors, county transportation agency planning and programming staff, and multiple working groups. MTC staff hosted an online information session on January 17, 2024 to provide an overview of the program,

walk through the application, and answer questions from participants. A recording of this session was also made available online. The application was a simple Excel-based form requesting fleet manager information, fleet size, and need for assistance and was due by February 20, 2024.

Application Summary

A total of 32 applications were received from local governments across eight counties and the San Francisco Bay Area Rapid Transit District (BART). While no applications were received from agencies in Santa Clara County, five cities have initiated or completed fleet planning with support from Silicon Valley Clean Energy and the City of San Jose is currently developing a fleet electrification plan.

The agencies requesting assistance represent fleets ranging in size from 15 to 6,900 vehicles for a total of over 12,500 fleet vehicles housed at over 450 locations. These fleets serve a wide range of functions and departments, including public works, parks and recreation, waste management, police, fire, health and human services, and libraries.

Technical Assistance Recommendations

After reviewing the applications, staff recommends all 32 agencies for fleet planning assistance. If approved, the work will be completed by consultants on a newly-seated MTC Transportation Electrification Planning and Technical Assistance Bench, pending approval at the April 10, 2024 MTC Administration Committee. The consultants on the bench are pre-qualified to provide services in four categories – local transportation electrification planning, fleet electrification planning, charging infrastructure project planning and program development and implementation. MTC will contract with consultants to work with local staff to deliver a standard scope of work, with similar projects grouped together to achieve economies of scale in delivering the work. The standard scope will include: assessing the existing fleet and fueling infrastructure; evaluating the vehicle replacement options and charging needs; and developing a transition plan that will include planning for procurement, infrastructure development, operations and maintenance, costs and financing options, and implementation steps. Based on the applications received, some agencies have already completed some of these planning components, and work scopes for those agencies will be adjusted accordingly.

The following table provides a summary of estimated budgets for planning assistance based on fleet size, number of fleet domicile locations, and level of assistance requested:

| Estimated budget | Fleet size | Number of fleet | Planning assistance level |
|-------------------------|--------------------|-----------------|-----------------------------|
| per agency | | locations | |
| Up to \$100k | Up to 100 vehicles | Up to 10 sites | Partial-Full standard scope |
| \$100k-\$200k | 101-500 vehicles | Up to 25 sites | Full standard scope |
| \$200k-\$400k | 500+ vehicles | 25+ sites | Full standard scope |

Staff anticipate that all technical assistance requested can be delivered with up to \$6 million, and that the remaining balance can be used for another cycle of fleet planning assistance.

Next Steps:

Staff will work with the public agencies to confirm fleet information, scope of assistance needed, and schedules. Staff will also contract with consultants to provide technical assistance to the public agencies listed in Attachment A.

Issues:

None identified.

Recommendations:

Approve staff to move forward with developing fleet electrification planning technical assistance work scopes up to \$6 million for the public agencies listed in Attachment A. Associated programming revisions to MTC Resolution No. 4505, Revised, will be included in the May 8, 2024, Programming and Allocations Committee packet.

Attachments:

- Attachment A: Public Agency Technical Assistance Recipient List
- Attachment B: PowerPoint

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Attachment A: Public Agency Technical Assistance (TA) Recipient List

| County | Local Public Agency | # of facilities | # of vehicles | Maximum (up |
|--------------|------------------------------|-----------------|---------------|-----------------|
| | | | (approx.) | to) anticipated |
| | | | | TA budget* |
| Regional | San Francisco Bay Area Rapid | 10 | 570 | \$400,000 |
| | Transit District (BART)** | | | |
| Alameda | City of Alameda | 13 | 316 | \$200,000 |
| Alameda | City of Berkeley** | 25 | 517 | \$400,000 |
| Alameda | City of Dublin | 4 | 83 | \$100,000 |
| Alameda | City of Oakland | 5 | 100 | \$200,000 |
| Alameda | City of San Leandro** | 7 | 104 | \$200,000 |
| Contra Costa | City of Concord | 6 | 255 | \$200,000 |
| Contra Costa | City of El Cerrito | 7 | 103 | \$200,000 |
| Marin | Town of Corte Madera | 3 | 28 | \$100,000 |
| Marin | Town of Fairfax | 3 | 21 | \$100,000 |
| Marin | County of Marin | 25 | 534 | \$400,000 |
| Marin | City of Mill Valley | 5 | 69 | \$100,000 |
| Marin | City of Novato | 5 | 118 | \$200,000 |
| Marin | Town of San Anselmo | 3 | 19 | \$100,000 |
| Marin | City of San Rafael | 6 | 161 | \$200,000 |
| Marin | City of Sausalito | 3 | 35 | \$100,000 |
| Marin | Town of Tiburon | 3 | 28 | \$100,000 |
| Napa | City of Calistoga | 6 | 38 | \$100,000 |
| Napa | City of Napa | 11 | 212 | \$200,000 |
| Napa | County of Napa | 14 | 249 | \$200,000 |
| Napa | City of St. Helena | 5 | 42 | \$100,000 |
| Napa | Town of Yountville | 3 | 15 | \$100,000 |

| County | Local Public Agency | # of facilities | # of vehicles | Maximum (up |
|---------------|------------------------------|-----------------|--------------------|-----------------|
| | | | (approx.) | to) anticipated |
| | | | | TA budget* |
| San Francisco | City/County of San Francisco | 162 | 6871 | \$400,000 |
| San Mateo | City of Belmont | 2 | 69 | \$100,000 |
| San Mateo | City of Half Moon Bay | 3 | 12 | \$100,000 |
| San Mateo | Town of Hillsborough | 3 | 38 | \$100,000 |
| San Mateo | City of San Mateo** | 7 | 175 | \$200,000 |
| San Mateo | City of South San Francisco | 6 | 175 | \$200,000 |
| Solano | City of Benicia | 9 | 132 | \$200,000 |
| Solano | City of Dixon | 5 | 69 | \$100,000 |
| Solano | City of Vacaville | 10 | 485 | \$200,000 |
| Sonoma | County of Sonoma | 72 | 938 | \$400,000 |
| Total | 32 agencies | 451 facilities | 12,581 vehicles | \$6,000,000 |

^{*} Individual project amounts may change subject to final work scope development.

^{**} Agencies that requested only partial scope of planning assistance