

# LCTOP FY 2024-2025 Allocation Request

## Lead Agency Information

|                                                                                          |                                        |     |                                |
|------------------------------------------------------------------------------------------|----------------------------------------|-----|--------------------------------|
| <b>Lead Agency Name:</b>                                                                 | Sonoma County Transit                  |     |                                |
| <b>Address:</b>                                                                          | 355 West Robles Avenue                 |     |                                |
| <b>City, State, Zip Code:</b>                                                            | Santa Rosa, CA 95407                   |     |                                |
| <b>County:</b>                                                                           | Sonoma                                 |     |                                |
| <b>Agency Website:</b>                                                                   | sctransit.com                          |     |                                |
| <b>Regional Planning Agency:</b>                                                         | Metropolitan Transportation Commission |     |                                |
| <b>Caltrans District:</b>                                                                | 4                                      |     |                                |
| <b>Does your agency have an approved Title VI Plan?</b> (Please provide approval letter) |                                        | Yes | <b>Approved Date:</b> 09/22/22 |

| Allocation Request Prepared by |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| <b>Name:</b>                   | Bryan Albee                                                              |
| <b>Title:</b>                  | Transit Systems Manager                                                  |
| <b>Phone #:</b>                | 707-585-7516                                                             |
| <b>E-mail:</b>                 | <a href="mailto:bryan.albee@sctransit.com">bryan.albee@sctransit.com</a> |

| Contact (if different than "Prepared by") |                                                                |
|-------------------------------------------|----------------------------------------------------------------|
| <b>Name:</b>                              | Steven Schmitz                                                 |
| <b>Title:</b>                             | Transit Specialist II                                          |
| <b>Phone #:</b>                           | 707-585-7516                                                   |
| <b>E-mail:</b>                            | <a href="mailto:steven@sctransit.com">steven@sctransit.com</a> |

| Authorized Agent |                                                                                                |
|------------------|------------------------------------------------------------------------------------------------|
| <b>Name:</b>     | Johannes J. Hoevertsz                                                                          |
| <b>Title:</b>    | Director of Public Infrastructure                                                              |
| <b>Phone #:</b>  | 707-565-2231                                                                                   |
| <b>E-mail:</b>   | <a href="mailto:johannes.hoevertsz@sonoma-county.org">johannes.hoevertsz@sonoma-county.org</a> |

| Legislative District Numbers |    |   |   |  |  |  |  |  |
|------------------------------|----|---|---|--|--|--|--|--|
| <b>Assembly*:</b>            | 10 | 4 | 2 |  |  |  |  |  |
| <b>Senate*:</b>              | 3  | 2 |   |  |  |  |  |  |
| <b>Congressional*:</b>       | 4  | 2 |   |  |  |  |  |  |

\*if you have additional Districts, please provide a separate attachment

## Project Summary

|                                                          |                                                                                                                                                                                           |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b> No more than 180 characters                 | Purchase of One 40-Foot Battery-Electric Bus                                                                                                                                              |
| <b>Description (Short):</b> No more than 375 characters. | Purchase of one 40-foot battery-electric bus that will be available for deployment on intercity routes serving the Highway 101 corridor in Sonoma County between Cloverdale and Petaluma. |
| <b>Type:</b>                                             | Capital_Project                                                                                                                                                                           |
| <b>Sub-Type</b>                                          | Purchase of replacement zero-emission vehicle(s) (may include equipment/infrastructure)                                                                                                   |

|                                  |           |                                |  |
|----------------------------------|-----------|--------------------------------|--|
| <b>Start date (anticipated):</b> | 12/1/2025 | <b>End date (anticipated):</b> |  |
|----------------------------------|-----------|--------------------------------|--|

|                 |               |           |               |          |               |           |
|-----------------|---------------|-----------|---------------|----------|---------------|-----------|
| <b>Funding:</b> | <b>99313:</b> | \$506,169 | <b>99314:</b> | \$61,421 | <b>Total:</b> | \$567,590 |
|-----------------|---------------|-----------|---------------|----------|---------------|-----------|

|                                                                                                                                                           |                                     |    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----|
| <b>Rollover Projects:</b> Please provide the total number of years your agency plans to accumulate funds and how many years, include this year remaining. | <b>Rollover Project:</b>            | No |
|                                                                                                                                                           | <b>Total Years of Rollover:</b>     |    |
|                                                                                                                                                           | <b>Remaining Years of Rollover:</b> |    |

|                                                                                                                                                                               |                    |    |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|--------|
| <b>Project Life:</b> For capital projects, state the project useful life in <b>years</b> . For operation projects state the number of <b>months</b> a service will be funded. | <b>Capital:</b>    | 12 | Years  |
|                                                                                                                                                                               | <b>Operations:</b> |    | Months |

# LCTOP FY 2024-2025 Allocation Request

## Funding Information

| Allocation Year    | Prior | FY 24-25    | FY 25-26 | FY 26-27 | FY 27-28 | FY 28-29 | Total       |
|--------------------|-------|-------------|----------|----------|----------|----------|-------------|
| PUC 99313 Amount:  |       | \$506,169   |          |          |          |          | \$506,169   |
| PUC 99314 Amount:  |       | \$61,421    |          |          |          |          | \$61,421    |
| Total LCTOP Funds: | \$0   | \$567,590   | \$0      | \$0      | \$0      |          | \$567,590   |
| LCTOP Interest:    |       |             |          |          |          |          | \$0         |
| Other GGRF:        |       |             |          |          |          |          | \$0         |
| Other Funds:       |       | \$783,910   |          |          |          |          | \$783,910   |
| Total Funding:     | \$0   | \$1,351,500 | \$0      | \$0      | \$0      | \$0      | \$1,351,500 |

|                  |                       |          |                 |
|------------------|-----------------------|----------|-----------------|
| Lead Agency:     | Sonoma County Transit | Amount:  | PUC Funds Type: |
| Contact Person:  | Steven Schmitz        |          | 99313           |
| Contact Phone #: | 707-585-7516          | \$61,421 | 99314           |
| Contact E-mail:  | steven@sctransit.com  |          |                 |

|                       |                                                                      |           |                 |
|-----------------------|----------------------------------------------------------------------|-----------|-----------------|
| Contributing Sponsor: | Metropolitan Transportation Commission                               | Amount:   | PUC Funds Type: |
| Contact Person:       | Julieth Ortiz                                                        | \$506,169 | 99313           |
| Contact Phone #:      | 415-778-4425                                                         |           | 99314           |
| Contact E-mails:      | <a href="mailto:jortiz@bayareametro.gov">jortiz@bayareametro.gov</a> |           |                 |

|                       |  |         |                 |
|-----------------------|--|---------|-----------------|
| Contributing Sponsor: |  | Amount: | PUC Funds Type: |
| Contact Person:       |  |         | 99313           |
| Contact Phone #:      |  |         | 99314           |
| Contact E-mails:      |  |         |                 |

|                       |  |         |                 |
|-----------------------|--|---------|-----------------|
| Contributing Sponsor: |  | Amount: | PUC Funds Type: |
| Contact Person:       |  |         | 99313           |
| Contact Phone #:      |  |         | 99314           |
| Contact E-mails:      |  |         |                 |

Total FY 24-25 LCTOP Funding **\$567,590**

**Fully Funded Project:** Provide a description of all the funds that will be used to complete this project and how LCTOP funds will not supplant other funding sources. Include the project ID and awarded funding amount from prior rollover years.

The budget anticipates that this project will be fully funded with a combination of LCTOP funds and Transportation Development Act funds. LCTOP funds will not be used to supplant other funds to complete the project.

**Detailed Funding Information:** This section should be completed to detail any funds included in the "Prior" column of the Funding Information section above. For projects with an approved CAP that transferred funds and/or interest into the project from previous years, include the Project ID, amount of funds transferred, and CAP approval date.

N/A

# LCTOP FY 2024-2025 Allocation Request

## Funding Plan

| Total Project Funding |            |                    |            |            |            |            |                    |
|-----------------------|------------|--------------------|------------|------------|------------|------------|--------------------|
| Component             | Prior      | FY 24-25           | FY 25-26   | FY 26-27   | FY 27-28   | FY 28-29   | Total              |
| PA&ED                 | \$0        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0                |
| PS&E                  | \$0        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0                |
| R/W                   | \$0        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0                |
| CON                   | \$0        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0                |
| Veh/Equip Purchase    | \$0        | \$1,351,500        | \$0        | \$0        | \$0        | \$0        | \$1,351,500        |
| Operations/Other      | \$0        | \$0                | \$0        | \$0        | \$0        | \$0        | \$0                |
| <b>TOTAL</b>          | <b>\$0</b> | <b>\$1,351,500</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,351,500</b> |

| Funding Source: Low Carbon Transit Operations Program (LCTOP) |            |                  |            |            |            |            |                  |
|---------------------------------------------------------------|------------|------------------|------------|------------|------------|------------|------------------|
| Component                                                     | Prior      | FY 24-25         | FY 25-26   | FY 26-27   | FY 27-28   | FY 28-29   | Total            |
| PA&ED                                                         |            |                  |            |            |            |            | \$0              |
| PS&E                                                          |            |                  |            |            |            |            | \$0              |
| R/W                                                           |            |                  |            |            |            |            | \$0              |
| CON                                                           |            |                  |            |            |            |            | \$0              |
| Veh/Equip Purchase                                            |            | \$567,590        |            |            |            |            | \$567,590        |
| Operations/Other                                              |            |                  |            |            |            |            | \$0              |
| <b>TOTAL</b>                                                  | <b>\$0</b> | <b>\$567,590</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$567,590</b> |

| Funding Source: Transportation Development Act |            |                  |            |            |            |            |                  |
|------------------------------------------------|------------|------------------|------------|------------|------------|------------|------------------|
| Component                                      | Prior      | FY 24-25         | FY 25-26   | FY 26-27   | FY 27-28   | FY 28-29   | Total            |
| PA&ED                                          |            |                  |            |            |            |            | \$0              |
| PS&E                                           |            |                  |            |            |            |            | \$0              |
| R/W                                            |            |                  |            |            |            |            | \$0              |
| CON                                            |            |                  |            |            |            |            | \$0              |
| Veh/Equip Purchase                             |            | \$783,910        |            |            |            |            | \$783,910        |
| Operations/Other                               |            |                  |            |            |            |            | \$0              |
| <b>TOTAL</b>                                   | <b>\$0</b> | <b>\$783,910</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$783,910</b> |

| Funding Source:    |            |            |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|------------|------------|
| Component          | Prior      | FY 24-25   | FY 25-26   | FY 26-27   | FY 27-28   | FY 28-29   | Total      |
| PA&ED              |            |            |            |            |            |            | \$0        |
| PS&E               |            |            |            |            |            |            | \$0        |
| R/W                |            |            |            |            |            |            | \$0        |
| CON                |            |            |            |            |            |            | \$0        |
| Veh/Equip Purchase |            |            |            |            |            |            | \$0        |
| Operations/Other   |            |            |            |            |            |            | \$0        |
| <b>TOTAL</b>       | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

| Funding Source:    |            |            |            |            |            |            |            |
|--------------------|------------|------------|------------|------------|------------|------------|------------|
| Component          | Prior      | FY 24-25   | FY 25-26   | FY 26-27   | FY 27-28   | FY 28-29   | Total      |
| PA&ED              |            |            |            |            |            |            | \$0        |
| PS&E               |            |            |            |            |            |            | \$0        |
| R/W                |            |            |            |            |            |            | \$0        |
| CON                |            |            |            |            |            |            | \$0        |
| Veh/Equip Purchase |            |            |            |            |            |            | \$0        |
| Operations/Other   |            |            |            |            |            |            | \$0        |
| <b>TOTAL</b>       | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> |

# LCTOP FY 2024-2025 Allocation Request

## Funding Plan

|                        |              |                 |                 |                 |                 |                 |              |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| <b>Funding Source:</b> |              |                 |                 |                 |                 |                 |              |
| <b>Component</b>       | <b>Prior</b> | <b>FY 24-25</b> | <b>FY 25-26</b> | <b>FY 26-27</b> | <b>FY 27-28</b> | <b>FY 28-29</b> | <b>Total</b> |
| PA&ED                  |              |                 |                 |                 |                 |                 | \$0          |
| PS&E                   |              |                 |                 |                 |                 |                 | \$0          |
| R/W                    |              |                 |                 |                 |                 |                 | \$0          |
| CON                    |              |                 |                 |                 |                 |                 | \$0          |
| Veh/Equip Purchase     |              |                 |                 |                 |                 |                 | \$0          |
| Operations/Other       |              |                 |                 |                 |                 |                 | \$0          |
| <b>TOTAL</b>           | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>   |

|                        |              |                 |                 |                 |                 |                 |              |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| <b>Funding Source:</b> |              |                 |                 |                 |                 |                 |              |
| <b>Component</b>       | <b>Prior</b> | <b>FY 24-25</b> | <b>FY 25-26</b> | <b>FY 26-27</b> | <b>FY 27-28</b> | <b>FY 28-29</b> | <b>Total</b> |
| PA&ED                  |              |                 |                 |                 |                 |                 | \$0          |
| PS&E                   |              |                 |                 |                 |                 |                 | \$0          |
| R/W                    |              |                 |                 |                 |                 |                 | \$0          |
| CON                    |              |                 |                 |                 |                 |                 | \$0          |
| Veh/Equip Purchase     |              |                 |                 |                 |                 |                 | \$0          |
| Operations/Other       |              |                 |                 |                 |                 |                 | \$0          |
| <b>TOTAL</b>           | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>   |

|                        |              |                 |                 |                 |                 |                 |              |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| <b>Funding Source:</b> |              |                 |                 |                 |                 |                 |              |
| <b>Component</b>       | <b>Prior</b> | <b>FY 24-25</b> | <b>FY 25-26</b> | <b>FY 26-27</b> | <b>FY 27-28</b> | <b>FY 28-29</b> | <b>Total</b> |
| PA&ED                  |              |                 |                 |                 |                 |                 | \$0          |
| PS&E                   |              |                 |                 |                 |                 |                 | \$0          |
| R/W                    |              |                 |                 |                 |                 |                 | \$0          |
| CON                    |              |                 |                 |                 |                 |                 | \$0          |
| Veh/Equip Purchase     |              |                 |                 |                 |                 |                 | \$0          |
| Operations/Other       |              |                 |                 |                 |                 |                 | \$0          |
| <b>TOTAL</b>           | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>   |

|                        |              |                 |                 |                 |                 |                 |              |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| <b>Funding Source:</b> |              |                 |                 |                 |                 |                 |              |
| <b>Component</b>       | <b>Prior</b> | <b>FY 24-25</b> | <b>FY 25-26</b> | <b>FY 26-27</b> | <b>FY 27-28</b> | <b>FY 28-29</b> | <b>Total</b> |
| PA&ED                  |              |                 |                 |                 |                 |                 | \$0          |
| PS&E                   |              |                 |                 |                 |                 |                 | \$0          |
| R/W                    |              |                 |                 |                 |                 |                 | \$0          |
| CON                    |              |                 |                 |                 |                 |                 | \$0          |
| Veh/Equip Purchase     |              |                 |                 |                 |                 |                 | \$0          |
| Operations/Other       |              |                 |                 |                 |                 |                 | \$0          |
| <b>TOTAL</b>           | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>   |

|                        |              |                 |                 |                 |                 |                 |              |
|------------------------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------|
| <b>Funding Source:</b> |              |                 |                 |                 |                 |                 |              |
| <b>Component</b>       | <b>Prior</b> | <b>FY 24-25</b> | <b>FY 25-26</b> | <b>FY 26-27</b> | <b>FY 27-28</b> | <b>FY 28-29</b> | <b>Total</b> |
| PA&ED                  |              |                 |                 |                 |                 |                 | \$0          |
| PS&E                   |              |                 |                 |                 |                 |                 | \$0          |
| R/W                    |              |                 |                 |                 |                 |                 | \$0          |
| CON                    |              |                 |                 |                 |                 |                 | \$0          |
| Veh/Equip Purchase     |              |                 |                 |                 |                 |                 | \$0          |
| Operations/Other       |              |                 |                 |                 |                 |                 | \$0          |
| <b>TOTAL</b>           | <b>\$0</b>   | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>      | <b>\$0</b>   |

# LCTOP FY 2024-2025 Allocation Request

## Project Information

**1) Project Description** - Provide a comprehensive project description. For operations projects, include: number of trips, span, frequency improvements, number of days of operation and marketing component. For capital projects, include: product specifications and identify all LCTOP funded components. **No more 1450 Characters.**

LCTOP funding is being requested by Sonoma County Transit (SCT) to assist with the purchase of one 40-foot electric-powered bus that will be available for deployment on intercity routes providing service along the Highway 101 corridor in Sonoma County between Cloverdale and Petaluma. This project is developed with the assumption that SCT will be purchasing the 40-foot electric-powered bus from Gillig Corporation which will replace one CNG bus. The low-floor bus will be 40-feet in length and equipped with 36 seats, 2 ADA-compliant wheelchair securement areas, security cameras, AVL systems and has an operating range of approximately 225 miles on a single charge. The electric-powered bus will be charged utilizing charging stations located at SCT's bus yard. Also, the installation of a remote charging station is tentatively planned at the Petaluma Transit Mall, which would effectively expand the operating range of the 40-foot electric bus beyond 225 miles.

**2) Project Planning** - Provide a detailed explanation of the project planning process and how it was designed to avoid substantial burden on any low- income, disadvantaged, and vulnerable populations. **Include any public outreach, events, workshops or community input. No more than 1450 characters.**

The purchase of electric-powered buses for Sonoma County Transit's fixed-route fleet is included in its FY 2022 Draft Short Range Transit Plan. SCT also prepared an abbreviated version of its Short Range Transit Plan for FY 2023 that was adopted by the Sonoma County Board of Supervisors but which did not require any other public outreach efforts. This project was designed to avoid substantial burden on any low income disadvantaged communities by replacing older CNG vehicles with new clean air electric buses, reducing air contaminants along the corridors. The 40-foot electric-powered bus to be purchased will be deployed on Sonoma County Transit's intercity routes along the Highway 101 corridor in Sonoma County based only on current operating range limitations for electric-powered buses. As the operating range for electric-powered buses expands, SCT will deploy its electric-powered buses on additional intercity routes, as determined feasible.

**3) Project Costs** - Provide an **itemized breakdown** of project components **and** describe **how the cost estimations were developed**. Please include marketing and bus wraps cost in this section. Total costs must correspond to the Funding Information section above. **No more than 1450 characters.**

As mentioned previously under project description, LCTOP funding is being requested by Sonoma County Transit (SCT) to assist with the purchase of one 40-foot electric-powered buses that will be available for deployment on intercity routes providing service along the Highway 101 corridor in Sonoma County between Cloverdale and Petaluma. The low-floor bus will be 40-feet in length and equipped with 36 seats, 2 ADA-compliant wheelchair securement areas, security cameras, AVL systems and have an operating range of approximately 225 miles on a single charge. This requested LCTOP funding will assist with the purchase of a 40-foot electric-powered bus for SCT's fixed-route fleet. With the assumption for this project that SCT will be purchasing the 40-foot electric-powered bus from Gillig Corporation, the cost is estimated to be \$1,351,500, including options and delivery, based on the most recent quote received from Gillig Corporation.

# LCTOP FY 2024-2025 Allocation Request

## Agency Information

**4) Agency Fare** - Describe your agency's fare structure including any discounts or special fares and **how the project will affect that structure if at all. No more than 1450 characters.**

All of Sonoma County Transit's local routes are currently fare-free. Cash fares on SCT's intercity routes depend on distance traveled and currently range from \$1.50 to \$4.80 for adults, \$1.25 and \$4.55 for youth, and \$0.75 and \$2.40 for senior/disabled. This project will not affect SCT's current fare structure.

**5) Agency Service** - Describe the transit service provided and how the project plays into the overall operations. **No more than 2450 characters.**

Sonoma County Transit (SCT) currently operates a total of eighteen (18) local and intercity routes. SCT's 40-foot electric-powered bus will be available for deployment on SCT's intercity routes providing service along the Highway 101 corridor in Sonoma County between the cities of Cloverdale, Healdsburg, Windsor, Santa Rosa, Rohnert Park, Cotati and Petaluma. Total ridership has gradually increased over the past several fiscal years since the COVID-19 outbreak and service has been fully restored on all of SCT's local and intercity routes.

# LCTOP FY 2024-2025 Allocation Request

## Project GHG Benefits

**Greenhouse Gas Reductions - Describe qualitatively** how this project will reduce greenhouse gas emissions.

Sonoma County Transit deploys buses that are fueled by compressed natural gas (CNG) on its intercity routes operated along the Highway 101 corridor in Sonoma County between Cloverdale and Petaluma. This project will replace one CNG-fueled bus with one zero-emission electric-powered bus. The deployment of an additional electric-powered bus on these routes will help to reduce greenhouse gas emissions.

**Greenhouse Gas Reductions** - Please provide quantitative information requested below and explanations supporting the data provided.

|                                                                                                                                                                    | Value  | Explanation                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------|
| <b>Year 1 (Yr1)</b> - First year of service, or year that capital improvements will be completed.                                                                  | 2027   | Anticipated first year that 40-foot battery-electric bus will be deployed into service.                              |
| <b>Year F (YrF)</b> - Final year that the service is funded or the final year of useful life for capital improvements.                                             | 2039   | Anticipate final year that 40-foot battery-electric bus will be available for service, assuming 12-year useful life. |
| <b>Project Yr. 1 Ridership Increase</b> - Estimated annual ridership <u>contributed by the new service or capital improvement</u> in Yr1.                          |        | N/A                                                                                                                  |
| <b>Project Yr. F Ridership Increase</b> - Estimated annual ridership <u>contributed by the new service or capital improvement</u> in YrF.                          |        | N/A                                                                                                                  |
| <b>Adjustment (A)</b> - Adjustment factor to account for Choice Riders. You may use default values listed in the Lookup Tables tab.                                | 0.705  | Adjustment factor for intercity service per CARB's recommended default value. (CB- PT)                               |
| <b>Trip Length (L)</b> - Length (miles) of average auto trip reduced or average passenger trip length. You may use default values listed in the Lookup Tables tab. | 22.61  | Average trip length for intercity service per CARB's recommended default value. (CB- PT)                             |
| <b>Project Useful Life</b>                                                                                                                                         | 12     | This is calculated based on the values above.                                                                        |
| <b>Total Project Ridership Increased</b>                                                                                                                           | 0      | This is calculated based on the values above.                                                                        |
| <b>Total Project VMTs Reduced</b>                                                                                                                                  | 0      | This number is calculated based on the values above.                                                                 |
| <b>Total Project GHG Emission Reductions (MTCO<sub>2e</sub>)</b>                                                                                                   | 680.45 | This number is calculated based on the values from above and the <b>QM-Tool tab</b> .                                |
| <b>LCTOP Project GHG Emission Reductions (MTCO<sub>2e</sub>)</b>                                                                                                   | 680.45 | This number is calculated based on the values from above and the <b>QM-Tool tab</b> .                                |

# LCTOP FY 2024-2025 Allocation Request

## Project Benefits

**Job Support Benefits** (Refer to LCTOP Guidelines and CARB Co-Benefits website for more information)

|                                                             |                      |
|-------------------------------------------------------------|----------------------|
| <b>Primary Project Activity</b> (select from drop-down)     | Procurement of buses |
| <b>% of Project Budget Associated with Primary Activity</b> | 100.00%              |
| <b>Other Project Activity</b> (select from drop-down)       |                      |
| <b>% of Project Budget Associated with Other Activity</b>   |                      |
| <b>Other Project Activity</b> (select from drop-down)       |                      |
| <b>% of Project Budget Associated with Other Activity</b>   |                      |

| <b>Travel Cost Savings Benefits</b>                                                                                            |              |                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                | <b>Value</b> | <b>Explanation</b>                                                                                                        |
| <b>Baseline Average One-Way Fare Cost (\$/One-Way Trip/Rider)</b> (Average fare per boarding, prior to project implementation) | \$2.10       | (ex. The average adult, senior, youth, and discounted fare is \$1.18 per way)                                             |
| <b>New Average One-Way Fare Cost (\$/One-Way Trip/Rider)</b> (Average fare per boarding resulting from project implementation) | \$2.10       | (ex. The average reduced fare paid (due to this project) for adult, senior, youth, and discounted fare is \$0.75 per way) |
| <b>Transit Facility Parking Cost (\$/Roundtrip/Rider)</b> (Average cost to park to use transit associated with project)        | N/A          | (ex. The average transit facility parking cost is \$5 per day)                                                            |
| <b>Avoided Parking Cost (\$/Roundtrip/Rider)</b> (Average avoided parking cost associated with project)                        | N/A          | (ex. The average parking cost in the project area is \$15 per day)                                                        |
| <b>Avoided Toll Cost (\$/Roundtrip/Rider)</b> (Average avoided toll cost associated with project)                              | N/A          | (ex. The average tolling cost in the project area is \$10 per day)                                                        |

**Co-Benefits** - Check all additional Benefits/Outcomes.

|                                                                         |                                                                         |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Improved Safety                     | <input type="checkbox"/> Coordination with Educational Institution      |
| <input checked="" type="checkbox"/> Improved Public Health              | <input type="checkbox"/> College <input type="checkbox"/> Grades K-12   |
| <input checked="" type="checkbox"/> Reduced Operating/Maintenance Costs | <input type="checkbox"/> Promotes Active Transportation                 |
| <input checked="" type="checkbox"/> Increase System Reliability         | <input checked="" type="checkbox"/> Promotes Integration w/ other modes |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Co-Benefits</b> - Describe benefits selected above and other benefits not listed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>This project will improve public health through the deployment of a new zero-emission electric-powered bus on Sonoma County Transit's intercity routes serving the Highway 101 corridor in Sonoma County between the cities of Cloverdale, Healdsburg, Windsor, Santa Rosa, Rohnert Park, Cotati and Petaluma. The deployment of a zero-emission electric-powered bus will reduce greenhouse gas emissions, and help reduce air pollution and related public health issues. Also, overall maintenance costs for the new electric-powered bus is expected to be less than the costs for a CNG-fueled bus. In addition, because the new electric-powered bus will be deployed on routes operated between the cities of Santa Rosa, Rohnert Park, Cotati and Petaluma serving SMART commuter rail stations, it will help promote the intergration of bus and rail service in Sonoma County. Furthermore, overall system reliability and safety will be improved with the addition of the electric-powered bus because upgraded AVL and security camera systems will be included on the new bus.</p> |



# LCTOP FY 2024-2025 Allocation Request

## Priority Populations Benefits

**Step 1 - Identify the Priority Population(s):** Determine if the project is at least partially located within a Priority Population census tract or will benefit Priority Population households.

|                                                                                                                                                     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Does your Agency's Service Area have a Disadvantaged Community? (as defined by SB 535)                                                              | Yes |
| Is the project located within the boundaries of a disadvantaged community census tract?                                                             | Yes |
| Is the project located within the boundaries of a low-income community census tract or household?                                                   | Yes |
| Is the project located outside of a disadvantaged community, but within 1/2 mile of a disadvantaged community and within a low-income census tract? | Yes |

|                                                                                                                                         |     |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----|
| Priority Population Community Engagement: Identify the specific assessment for the Community Engagement Co-benefit (High, Medium, Low): | Low |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----|

**Step 2 - Identify a Need:** Identify an important community or household need and evaluate how the project provides a benefit that meaningfully addresses the need.

|                                                                                                      |                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Method: Select the method your agency used for identifying an important community or household need. | C. Alternative Approach: Where direct engagement is infeasible, look at the individual factors in CalEnviroScreen that are most impacting an identified disadvantaged or low-income community (i.e., factors that score above the 75th percentile), and confirm that the project will reduce the impacts of at least one of these factors. |
| Specific Common Need: Make a selection only if <a href="#">letter D</a> is selected above.           |                                                                                                                                                                                                                                                                                                                                            |

**Priority Populations Community Needs Description:** Expound on the selections above in **Method** and **Specific Common Need** to describe the process that your agency used to identify important community needs. Provide details of any public outreach efforts, engagement events, community input, and workshops. No more than 1,200 characters.

After reviewing the individual factors in CalEnviroScreen 4.0 for DAC census tract 6097153200, it was determined that Asthma had a percentile score of 80 and, therefore, a higher relative burden among residents. This project will purchase a new zero-emission bus for deployment on intercity routes providing service within this DAC census tract, which will reduce the impacts of Asthma on residents.

**Step 3 - Provide a Benefit:** Does the project provide a direct, meaningful, and assured benefits to priority populations?

|                                                                                                      |                                                                               |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Identify the Priority Population(s) that will benefit from this project.                             | Project provides benefits to a DAC, a LIC/HH, and a LIC/HH 0.5mi from a DAC   |
| Priority Population Benefit: Select the benefit your project provides to the community or household. | A. Project reduces criteria air pollutant or toxic air contaminant emissions. |

# LCTOP FY 2024-2025 Allocation Request

## Priority Populations Benefits

**Priority Population Benefit:** Based on the selections above, explain in greater detail how the project will provide benefits to the priority populations in your service area.

The project will benefit the residents in DAC census tract 6097153200 by improving public health through the deployment of a new zero-emission electric-powered bus on Sonoma County Transit's intercity routes providing service along the Highway 101 corridor in Sonoma County between the cities of Cloverdale and Petaluma. The deployment of a zero-emission electric-powered bus in this disadvantaged community will also help to reduce greenhouse gas emissions, air pollution and related public health issues.

Please provide the amount of FY 24-25 LCTOP funds benefit Priority Populations by this project.

|                                                                                                                                     |           |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Amount of FY 24-25 funds to benefit a Disadvantage Community<br>(If you have a DAC, at least 50% must benefit a DAC) :              | \$567,590 |
| Amount of FY 24-25 funds to benefit Low-Income Community:                                                                           |           |
| Amount of FY 24-25 fund to benefit Low-Income Households and Residents within 1/2 mile of a DAC:                                    |           |
| Total Amount of FY 24-25 LCTOP funds to benefit Priority Population (Total should not exceed total FY 24-25 LCTOP project funding): | \$567,590 |

**Agency can meet there DAC requirement by meeting any of the SB 1119 Project Criteria** (Only complete this section if you answered Yes in cell X253 and No in cell X254) :

|                                                                                                                                                                           |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Is the project a transit fare subsidies or network and fare integration technology improvements, including, but not limited to, discounted or free student transit passes | No  |
| Is the project a purchase of zero-emission transit buses and/or purchase and installation of supporting infrastructure?                                                   | Yes |
| Is the project a new or expanded transit service that connects with transit service serving a disadvantaged communities?                                                  | No  |

**SB 1119 Project Criteria:** If this is a new or expanded service project, explain how it connects to a transit service that serves a Disadvantaged Community.

N/A



California Air Resources Board  
Benefits Calculator Tool for the  
Low Carbon Transit Operations Program  
California Climate Investments

**Note to applicants:**

A step-by-step user guide, including project examples, for this Benefits Calculator Tool is available here:  
[https://ww2.arb.ca.gov/sites/default/files/auction-proceeds/caltrans\\_lctop\\_FINALuserguide\\_24-25.pdf](https://ww2.arb.ca.gov/sites/default/files/auction-proceeds/caltrans_lctop_FINALuserguide_24-25.pdf)

**Step 2a: Identify the Project Type.**

**Step 2b: Input Project-specific Information.**

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| <b>Project Name:</b> | <b>Purchase of One 40-Foot Battery-Electric Bus</b> |
|----------------------|-----------------------------------------------------|

| SECTION 1: This section is used to determine the quantification method and emission factors to use to estimate emissions.     |                                                                                         |                |                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Info Inputs                                                                                                           | Input                                                                                   | Required       | Description                                                                                                                                                                                          |
| Project Type                                                                                                                  | Purchase of replacement zero-emission vehicle(s) (may include equipment/infrastructure) | Required Input | For the purposes of this quantification, eligible LCTOP projects fall into four project types. Select the project type that best describes this component.                                           |
| Quantification Method                                                                                                         | Technology Conversion                                                                   | Automated      | Emission Estimates = Emissions from Baseline Vehicle – Emissions from New Vehicle                                                                                                                    |
| Quantification Method 1                                                                                                       | Technology Conversion                                                                   | Automated      | The primary quantification method.                                                                                                                                                                   |
| Quantification Method 2                                                                                                       |                                                                                         | Automated      | The secondary quantification method, if applicable.                                                                                                                                                  |
| Service Type                                                                                                                  | Intercity/Express Bus (Long Distance)                                                   | Required Input | The transit service (e.g., Intercity/Express Bus (Long Distance), Rail, Vanpool, etc.) directly associated with the proposed project. For projects that serve multiple services, select Multi-modal. |
| Type of Region                                                                                                                | County                                                                                  | Required Input | The type of region that best encompasses the geographic location for the proposed project type.                                                                                                      |
| Region                                                                                                                        | Sonoma                                                                                  | Required Input | The County or Air Basin where the majority of the service occurs.                                                                                                                                    |
| Year 1 (Yr1)                                                                                                                  | 2027                                                                                    | Required Input | The first year of the rolling stock's useful life.                                                                                                                                                   |
| Year F (YrF)                                                                                                                  | 2039                                                                                    | Required Input | The final year of the rolling stock's useful life.                                                                                                                                                   |
| Useful Life (yrs)                                                                                                             | 12                                                                                      | Calculated     | The useful life of the rolling stock. Limited to up to 50 years.                                                                                                                                     |
| SECTION2: This section is used to estimate the emission and cost reductions from displaced auto vehicle miles traveled (VMT). |                                                                                         |                |                                                                                                                                                                                                      |
| Displaced Auto VMT Inputs                                                                                                     | Input                                                                                   | Required       | Description                                                                                                                                                                                          |
| Yr1 Ridership                                                                                                                 |                                                                                         | Not Required   | Not applicable for this project type.                                                                                                                                                                |
| YrF Ridership                                                                                                                 |                                                                                         | Not Required   | Not applicable for this project type.                                                                                                                                                                |
| Adjustment Factor                                                                                                             |                                                                                         | Not Required   | Not applicable for this project type.                                                                                                                                                                |
| Length of Average Trip (mi)                                                                                                   |                                                                                         | Not Required   | Not applicable for this project type.                                                                                                                                                                |
| Passenger VMT Reductions (mi)                                                                                                 |                                                                                         | Not Applicable | Not applicable for this project type.                                                                                                                                                                |
| GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                                 |                                                                                         | Not Applicable | Not applicable for this project type.                                                                                                                                                                |

| SECTION 3: This section is used to estimate the net emission reductions from new service or from the purchase of new zero-emission/hybrid vehicle(s). |             |                |                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| New Service Vehicle Inputs                                                                                                                            | Input       | Required       | Description                                                                                                                                                                                                                         |
| Vehicle Type                                                                                                                                          | Transit Bus | Required Input | The vehicle type (e.g., Transit Bus, Streetcar, Ferry, etc.) that will operate the new service or will be procured.                                                                                                                 |
| Engine Tier                                                                                                                                           |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Engine Horsepower                                                                                                                                     |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Fuel Type                                                                                                                                             | Electric    | Required Input | The fuel type (e.g. Electric, Diesel, etc.) of the vehicle to be acquired.                                                                                                                                                          |
| Hybrid Vehicle                                                                                                                                        |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Model Year                                                                                                                                            | 2028        | Required Input | The engine model year of the vehicle to be acquired.                                                                                                                                                                                |
| Project-Specific GHG Emission Factor (gCO <sub>2</sub> e/MJ)                                                                                          |             | Optional Input | If used, applicant must be able to demonstrate an approved carbon intensity value under the Low Carbon Fuel Standard and submit additional documentation.                                                                           |
| Annual VMT (mi/yr)                                                                                                                                    | 40,000      | Required Input | The estimated annual VMT of the vehicle to be acquired (e.g., 72,000 mi/yr).                                                                                                                                                        |
| Annual Fuel Use                                                                                                                                       |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Annual Renewable Energy Generated (kWh/yr)                                                                                                            |             | Not Required   | Not applicable for the selected fuel type.                                                                                                                                                                                          |
| GHG Emissions (MTCO <sub>2</sub> e)                                                                                                                   | 265         | Calculated     | The estimated GHG emissions (MTCO <sub>2</sub> e) of the vehicle to be acquired.                                                                                                                                                    |
| SECTION 4: This section is used to estimate the net emission reductions from vehicle replacement as a result of the proposed project.                 |             |                |                                                                                                                                                                                                                                     |
| Baseline Vehicle Inputs                                                                                                                               |             | Required       | Description                                                                                                                                                                                                                         |
| Vehicle Type                                                                                                                                          | Transit Bus | Required Input | The vehicle type (e.g., Transit Bus, Streetcar, Ferry, etc.) of the baseline vehicle(s).                                                                                                                                            |
| Engine Tier                                                                                                                                           |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Engine Horsepower                                                                                                                                     |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| Fuel Type                                                                                                                                             | CNG         | Required Input | The fuel type (e.g., electric, diesel, etc.) of the baseline vehicle(s).                                                                                                                                                            |
| Hybrid Vehicle                                                                                                                                        | No          | Required Input | Is the vehicle to be acquired a hybrid?                                                                                                                                                                                             |
| Model Year                                                                                                                                            | 2012        | Required Input | The average engine model year(s) of the baseline vehicle(s).                                                                                                                                                                        |
| Project-Specific GHG Emission Factor (gCO <sub>2</sub> e/MJ)                                                                                          |             | Optional Input | If used, applicant must be able to demonstrate an approved carbon intensity value under the Low Carbon Fuel Standard and submit additional documentation.                                                                           |
| Annual VMT (mi/yr)                                                                                                                                    | 40,000      | Required Input | The estimated annual VMT of the baseline vehicle(s). For rail and ferry vehicles, applicants may alternatively use Annual Fuel. For vehicles with multiple engines (e.g., DMUs), provide the cumulative VMT across all the engines. |
| Annual Fuel Use                                                                                                                                       |             | Not Required   | Not applicable for this project type.                                                                                                                                                                                               |
| GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                                                         | 945         | Calculated     | The estimated GHG emissions (MTCO <sub>2</sub> e) of the vehicle to be acquired.                                                                                                                                                    |

| SECTION 5: This section is used to estimate the net emission reductions from fuel/energy reductions as a result of the proposed project. |       |                |                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fuel/Energy Reductions Inputs                                                                                                            | Input | Required       | Description                                                                                                                                                                                                                                       |
| Vehicle Type                                                                                                                             |       | Optional Input | The vehicle type (e.g., Transit Bus, Streetcar, Ferry, etc.) of the vehicle(s) that will realize fuel/energy reductions as a result of The project.                                                                                               |
| Engine Tier                                                                                                                              |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Engine Horsepower                                                                                                                        |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Fuel Type                                                                                                                                |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Model Year                                                                                                                               |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Annual Fuel/Energy Reduced                                                                                                               |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                                            |       | Calculated     | Not applicable for this project type.                                                                                                                                                                                                             |
| SECTION 6: This section is used to estimate the travel cost savings as a result of the proposed project.                                 |       |                |                                                                                                                                                                                                                                                   |
| Travel Cost Savings Inputs                                                                                                               | Input | Required       | Description                                                                                                                                                                                                                                       |
| Baseline Average One-Way Fare Cost (\$/One-Way Trip/Rider)                                                                               |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| New Average One-Way Fare Cost (\$/One-Way Trip/Rider)                                                                                    |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Average Transit Facility Parking Cost (\$/Roundtrip/Rider)                                                                               |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Average Avoided Parking Cost (\$/Roundtrip/Rider)                                                                                        |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| Average Avoided Toll Cost (\$/Roundtrip/Rider)                                                                                           |       | Not Required   | Not applicable for this project type.                                                                                                                                                                                                             |
| SECTION 7: This section is used to estimate the travel cost savings as a result of the proposed project.                                 |       |                |                                                                                                                                                                                                                                                   |
| Total Project GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                              | 680   | Calculated     | Total GHG emission reductions (MTCO <sub>2</sub> e) from the project during the useful life.                                                                                                                                                      |
| Total LCTOP Project GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                        | 680   | Calculated     | The portion of GHG emission reductions attributable to funding from LCTOP; GHG emission reductions are prorated according to the level of program funding contributed from LCTOP and other GGRF-funded programs, as applicable.                   |
| FY 2024-25 LCTOP Project GHG Emission Reductions (MTCO <sub>2</sub> e)                                                                   | 680   | Calculated     | The portion of GHG emission reductions attributable to funding from FY 24-25 LCTOP; GHG emission reductions are prorated according to the level of program funding contributed from FY 24-25 LCTOP and other GGRF-funded programs, as applicable. |

# LCTOP FY 2024-2025 Project Location Information

Please provide specific area information for the project. Lat-Long for the project should be in decimal degrees.

If you are claiming a Priority Population benefit, please provide **at least one location point to each claimed community** within the **first three rows**. Then **select** from the drop down which community the location points are representing.

| Location Name                         | Latitude    | Longitude   | Priority Population                   |
|---------------------------------------|-------------|-------------|---------------------------------------|
| J and 8th                             | 38.580997   | -121.496433 | Disadvantaged Community               |
| Redwood Dr / Golf Course Dr (Graton R | 38.36370232 | -122.714934 | Disadvantaged Community (DAC)         |
| Petaluma Hill Rd & Dutch Ln           | 38.30413233 | -122.666391 | Low-Income Community/Household (LICH) |
| Santa Rosa Ave & Scenic Ave           | 38.37608735 | -122.713652 | Low-Income w/n 1/2 mile of a DAC      |
| Petaluma Transit Mall                 | 38.236645   | -122.636513 |                                       |
| E Washington St & Lakeville St        | 38.23826169 | -122.635649 |                                       |
| E Washington St & Vallejo St          | 38.24069902 | -122.633569 |                                       |
| E Washington St & Kenilworth Dr       | 38.24394179 | -122.630551 |                                       |
| N McDowell Blvd (Lucchesi Park)       | 38.2523146  | -122.631188 |                                       |
| N McDowell Blvd & Lynch Creek Way     | 38.25338689 | -122.633037 |                                       |
| N McDowell Blvd & Rainer Ave          | 38.25566879 | -122.637162 |                                       |
| Rainier Ave & Maria Dr                | 38.25826859 | -122.632706 |                                       |
| Rainier Ave & Acadia Dr               | 38.26200457 | -122.629869 |                                       |
| Sonoma Mtn Pkwy & Rainier Ave         | 38.26294282 | -122.630046 |                                       |
| Sonoma Mtn Pkwy (Petaluma SRJC)       | 38.26737704 | -122.637879 |                                       |
| Sonoma Mtn Pkwy & Reisling            | 38.26903145 | -122.640987 |                                       |
| Sonoma Mtn Pkwy & Ely Rd              | 38.2689426  | -122.643914 |                                       |
| Sonoma Mtn Pkwy & Maria Dr            | 38.26824192 | -122.649077 |                                       |
| N McDowell Blvd & Rainer Ave          | 38.25653481 | -122.638688 |                                       |
| N McDowell Blvd & Dynamic St          | 38.25804034 | -122.641359 |                                       |
| N McDowell Blvd & Sunrise Parkway     | 38.25964185 | -122.644167 |                                       |
| N McDowell Blvd & Southpoint          | 38.26170508 | -122.64778  |                                       |
| N McDowell Blvd & Southpoint          | 38.26323361 | -122.650539 |                                       |
| N McDowell Blvd & Corona Rd           | 38.26542516 | -122.654429 |                                       |
| N McDowell Blvd & Rand St             | 38.26777574 | -122.658547 |                                       |
| N McDowell Blvd & Clegg St            | 38.26937392 | -122.660257 |                                       |
| N McDowell Blvd & Scott St            | 38.27251575 | -122.663714 |                                       |
| N McDowell Blvd & Old Redwood Hwy     | 38.27399231 | -122.666204 |                                       |
| Old Redwood Hwy & McDowell Blvd       | 38.27630122 | -122.668933 | Low-Income Community/Household (LICH) |
| Old Redwood Hwy & Ely Rd              | 38.28435374 | -122.667261 | Low-Income Community/Household (LICH) |
| Old Redwood Hwy & Hatchery Rd         | 38.29000293 | -122.666313 | Low-Income Community/Household (LICH) |
| Old Redwood Hwy & Petaluma Hill Rd    | 38.29459138 | -122.666843 | Low-Income Community/Household (LICH) |
| Petaluma Hill Rd & Woodward Ave       | 38.29729696 | -122.666315 | Low-Income Community/Household (LICH) |
| Petaluma Hill Rd & Adobe Rd           | 38.29956043 | -122.666344 | Low-Income Community/Household (LICH) |
| Santa Rosa Ave & Horn Ave             | 38.376285   | -122.713305 |                                       |
| Petaluma Hill Rd & East Railroad Ave  | 38.30904114 | -122.666429 | Low-Income Community/Household (LICH) |
| Petaluma Hill Rd & East Railroad Ave  | 38.31459884 | -122.666574 | Low-Income Community/Household (LICH) |
| Petaluma Hill Rd & Valley House Dr    | 38.32085142 | -122.666663 |                                       |
| Petaluma Hill Rd & Robert's Rd        | 38.32940918 | -122.666629 |                                       |
| Petaluma Hill Rd & Curtis Dr          | 38.33352119 | -122.666654 |                                       |
| East Cotati Ave & Petaluma Hill Rd    | 38.3362539  | -122.668754 | Low-Income Community/Household (LICH) |
| Sonoma State University               | 38.33807478 | -122.675004 | Low-Income Community/Household (LICH) |
| Sonoma State University - NB          | 38.33807478 | -122.675004 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Sequoia Way         | 38.33624372 | -122.675472 | Low-Income Community/Household (LICH) |



# LCTOP FY 2024-2025 Project Location Information

| Location Name                         | Latitude    | Longitude   | Priority Population                   |
|---------------------------------------|-------------|-------------|---------------------------------------|
| East Cotati Ave & Snyder/Roman        | 38.336248   | -122.682228 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Cristobal Way       | 38.3351866  | -122.686873 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Camino Colegio Ave  | 38.33392131 | -122.688709 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Sunflower Dr        | 38.33267251 | -122.690441 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Ryan Lane           | 38.33143642 | -122.692934 | Low-Income Community/Household (LICH) |
| East Cotati Ave & Lancaster Dr        | 38.33040071 | -122.695484 | Low-Income Community/Household (LICH) |
| Adrian Dr & Bonnie Ave                | 38.33225387 | -122.700541 | Low-Income Community/Household (LICH) |
| Adrian & Southwest                    | 38.33582356 | -122.705034 | Low-Income Community/Household (LICH) |
| Commerce Blvd & Arlen Dr              | 38.34077442 | -122.712232 | Low-Income Community/Household (LICH) |
| Commerce Blvd & Enterprise Dr         | 38.34511017 | -122.711155 | Low-Income Community/Household (LICH) |
| Commerce Blvd & RP Expressway         | 38.34761562 | -122.709438 | Low-Income Community/Household (LICH) |
| RP Expressway & Hwy 101               | 38.348587   | -122.711855 | Low-Income Community/Household (LICH) |
| Martin Ave & Dowdell Ave              | 38.35158134 | -122.718106 | Low-Income Community/Household (LICH) |
| Labath & Martin                       | 38.35542992 | -122.722267 | Low-Income Community/Household (LICH) |
| Business Park Dr & Redwood Dr         | 38.35760723 | -122.71436  | Low-Income w/n 1/2 mile of a DAC      |
| Redwood Dr & RP Expressway (Budget I  | 38.34899059 | -122.71673  | Low-Income w/n 1/2 mile of a DAC      |
| Redwood Dr / Golf Course Dr (Graton R | 38.36213457 | -122.714454 | Low-Income w/n 1/2 mile of a DAC      |
| Graton Resort (North Entrance)        | 38.36164047 | -122.722626 | Low-Income w/n 1/2 mile of a DAC      |
| Redwood Dr / Commerce Blvd (Taco B    | 38.36498758 | -122.713648 | Disadvantaged Community (DAC)         |
|                                       |             |             |                                       |
| Santa Rosa Ave & Mountain View Ave    | 38.38156553 | -122.713409 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave/ Todd Rd               | 38.38750973 | -122.713414 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Todd Rd              | 38.38958579 | -122.713391 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & East Robles Ave      | 38.39364653 | -122.713406 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Butterfly Ln         | 38.39664861 | -122.713364 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Castro Ct            | 38.39919208 | -122.713346 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Bellevue Ave         | 38.40373878 | -122.713305 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Court Rd             | 38.40753712 | -122.713294 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Yolanda Ave          | 38.41180565 | -122.713347 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Colgan Ave (Market   | 38.41917727 | -122.713308 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Colgan Ave           | 38.42172335 | -122.713345 | Low-Income w/n 1/2 mile of a DAC      |
| Santa Rosa Ave & Barham Ave           | 38.4275483  | -122.712824 | Low-Income Community/Household (LICH) |
| Santa Rosa Ave & Maple Ave            | 38.43176189 | -122.711203 | Low-Income Community/Household (LICH) |
| Santa Rosa Ave & Mill St              | 38.43403946 | -122.711683 | Low-Income Community/Household (LICH) |
| Santa Rosa Transit Mall               | 38.43868566 | -122.713727 | Low-Income Community/Household (LICH) |
| B St & Ross St                        | 38.44133679 | -122.716799 | Low-Income Community/Household (LICH) |
| Mendocino Ave & Cherry St             | 38.44453    | -122.716873 | Low-Income Community/Household (LICH) |
| Mendocino Ave & College Ave           | 38.446148   | -122.71756  | Low-Income Community/Household (LICH) |
| Mendocino Ave & Ridgeway              | 38.44997874 | -122.71741  | Low-Income Community/Household (LICH) |
| Ac Santa Rosa Junior College          | 38.45503268 | -122.717217 | Low-Income Community/Household (LICH) |
| Mendocino Ave & Dexter St             | 38.45720892 | -122.717126 | Low-Income Community/Household (LICH) |
| Mendocino Ave & Silva Ave             | 38.45851776 | -122.717083 | Low-Income Community/Household (LICH) |
| Mendocino Ave & Steele Ln             | 38.46212323 | -122.717528 | Low-Income Community/Household (LICH) |
| Administration Dr & Paulin            | 38.46425226 | -122.722061 | Low-Income Community/Household (LICH) |
| Administration Dr & Ventura           | 38.46416122 | -122.723999 | Low-Income Community/Household (LICH) |
| County Admin Center (Ventura Ave)     | 38.46654093 | -122.724219 | Low-Income Community/Household (LICH) |
| Kaiser Stop / Bicentennial Ave        | 38.47034051 | -122.7257   | Low-Income Community/Household (LICH) |
| Range Ave & Russel Ave                | 38.46832138 | -122.732776 | Low-Income Community/Household (LICH) |
| Range Ave & State Farm Dr             | 38.46558338 | -122.732748 | Low-Income Community/Household (LICH) |
| Range Ave & @ Paulin Creek            | 38.46269277 | -122.732721 | Low-Income Community/Household (LICH) |
| Range Ave & Steele Ln                 | 38.46037227 | -122.732625 | Low-Income Community/Household (LICH) |
| Coddingtontown                        | 38.45713299 | -122.732438 | Low-Income Community/Household (LICH) |

### **LCTOP FY 2024-2025 Project Location Information**

[illegible]



## LCTOP FY 2024-2025 Project Location Information

[illegible]



California Air Resources Board  
Benefits Calculator Tool for the  
Low Carbon Transit Operations Program  
California Climate Investments

**Step 3: Review the Estimated GHG Emission Reductions for the Proposed Project**

|               |                                              |
|---------------|----------------------------------------------|
| Project Name: | Purchase of One 40-Foot Battery-Electric Bus |
|---------------|----------------------------------------------|

| Project Information                        |              |
|--------------------------------------------|--------------|
| FY 2023-24 LCTOP GGRF Funds Requested (\$) | \$ 567,590   |
| Total LCTOP GGRF Funds (\$)                | \$ 567,590   |
| Total GGRF Funds (\$)                      | \$ 567,590   |
| Non-GGRF Leveraged Funds (\$)              | \$ 783,910   |
| Total Funds (\$)                           | \$ 1,351,500 |

| GHG Summary                                                                                   |       |
|-----------------------------------------------------------------------------------------------|-------|
| Total FY 2023-24 LCTOP GHG Emission Reductions (MTCO <sub>2</sub> e)                          | 680   |
| Total LCTOP GHG Emission Reductions (MTCO <sub>2</sub> e)                                     | 680   |
| Total GHG Emission Reductions (MTCO <sub>2</sub> e)                                           | 680   |
| Total GHG Emission Reductions per FY 2023-24 LCTOP GGRF Funds (MTCO <sub>2</sub> e/\$million) | 1,199 |
| Total GHG Emission Reductions per Total GGRF Funds (MTCO <sub>2</sub> e/\$million)            | 1,199 |



California Air Resources Board  
Benefits Calculator Tool for the  
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California Climate Investments

**Step 3: Review the Estimated GHG Emission Reductions for the Proposed Project**

|               |                                              |
|---------------|----------------------------------------------|
| Project Name: | Purchase of One 40-Foot Battery-Electric Bus |
|---------------|----------------------------------------------|

| Co-benefits and Key Variables Summary                |           |
|------------------------------------------------------|-----------|
| LCTOP GGRF Funds                                     |           |
| Local Diesel PM Emission Reductions (lbs)            | 0         |
| Local NO <sub>x</sub> Emission Reductions (lbs)      | 130       |
| Local PM <sub>2.5</sub> Emission Reductions (lbs)    | 21        |
| Local ROG Emission Reductions (lbs)                  | 66        |
| Remote Diesel PM Emission Reductions (lbs)           | 0         |
| Remote NO <sub>x</sub> Emission Reductions (lbs)     | 0         |
| Remote PM <sub>2.5</sub> Emission Reductions (lbs)   | 0         |
| Remote ROG Emission Reductions (lbs)                 | 0         |
| Passenger VMT Reductions (miles)                     | 0         |
| Fossil Fuel Use Reductions (gallons)                 | 80,646    |
| Fossil Fuel Energy Use Reductions (kWh)              | -913,621  |
| Renewable Energy Generated (kWh)                     | 0         |
| Travel Cost Savings (\$)                             | \$0       |
| Energy and Fuel Cost Savings (\$)                    | \$103,248 |
| Additional California Climate Investments Program(s) |           |
| Local Diesel PM Emission Reductions (lbs)            | 0         |
| Local NO <sub>x</sub> Emission Reductions (lbs)      | 0         |
| Local PM <sub>2.5</sub> Emission Reductions (lbs)    | 0         |
| Local ROG Emission Reductions (lbs)                  | 0         |
| Remote Diesel PM Emission Reductions (lbs)           | 0         |
| Remote NO <sub>x</sub> Emission Reductions (lbs)     | 0         |
| Remote PM <sub>2.5</sub> Emission Reductions (lbs)   | 0         |
| Remote ROG Emission Reductions (lbs)                 | 0         |
| Passenger VMT Reductions (miles)                     | 0         |
| Fossil Fuel Use Reductions (gallons)                 | 0         |
| Fossil Fuel Energy Use Reductions (kWh)              | 0         |
| Renewable Energy Generated (kWh)                     | 0         |
| Travel Cost Savings (\$)                             | \$0       |
| Energy and Fuel Cost Savings (\$)                    | \$0       |
| Total California Climate Investments                 |           |
| Local Diesel PM Emission Reductions (lbs)            | 0         |
| Local NO <sub>x</sub> Emission Reductions (lbs)      | 130       |
| Local PM <sub>2.5</sub> Emission Reductions (lbs)    | 21        |
| Local ROG Emission Reductions (lbs)                  | 66        |
| Remote Diesel PM Emission Reductions (lbs)           | 0         |
| Remote NO <sub>x</sub> Emission Reductions (lbs)     | 0         |
| Remote PM <sub>2.5</sub> Emission Reductions (lbs)   | 0         |
| Remote ROG Emission Reductions (lbs)                 | 0         |
| Passenger VMT Reductions (miles)                     | 0         |
| Fossil Fuel Use Reductions (gallons)                 | 80,646    |
| Fossil Fuel Energy Use Reductions (kWh)              | -913,621  |
| Renewable Energy Generated (kWh)                     | 0         |

|                                   |           |
|-----------------------------------|-----------|
| Travel Cost Savings (\$)          | \$0       |
| Energy and Fuel Cost Savings (\$) | \$103,248 |



California Air Resources Board  
 Job Co-benefit Modeling Tool  
 California Climate Investments

| Project Name                                                         | Purchase of One 40-Foot Battery-Electric Bus |
|----------------------------------------------------------------------|----------------------------------------------|
| Total Full-time Equivalent Jobs Supported by Project Budget          | 7.0                                          |
| Total Full-time Equivalent Jobs Supported by Project GGRF Funds      | 2.9                                          |
| Full-time Equivalent Jobs Directly Supported by Project GGRF Funds   | 1.3                                          |
| Full-time Equivalent Jobs Indirectly Supported by Project GGRF Funds | 0.7                                          |
| Full-time Equivalent Induced Jobs Supported by Project GGRF Funds    | 1.0                                          |

**Note:**

It is not appropriate to directly compare the job estimates from this Job Co-benefit Modeling Tool to the GGRF project dollars. California Climate Investments facilitate greenhouse gas emission reductions and deliver a suite of economic, environmental, and public health co-benefits, including job co-benefits. A different mix of spending on materials, equipment, and labor is expected across various California Climate Investments project types and match funding arrangements. As such, some project types will support more jobs than others.