



**CALIFORNIA
ENERGY COMMISSION**



**California Energy Commission
July 26, 2023 Business Meeting
Backup Materials for Agenda Item No 07:
GILLIG LLC**

The following backup materials for the above-referenced agenda item are available in this PDF packet as listed below:

1. Proposed Resolution
2. Grant Request Form
3. CEQA Documents
4. Scope of Work

STATE OF CALIFORNIA

**STATE ENERGY RESOURCES
CONSERVATION AND DEVELOPMENT COMMISSION**

**RESOLUTION: Zero-Emission Bus Manufacturing Ramp-Up in the State of
California**

WHEREAS, the City of Livermore (City) is the Lead Agency for Zero-Emission Bus Manufacturing Ramp-Up in the State of California (Project), a proposed project to expand GILLIG LLC's (GILLIG) electric bus manufacturing capacity and add resources necessary for the production launch and scaling of its third-generation battery-electric bus at their facility located in the City; and

WHEREAS, the City Department of Community Development, in 2003 - 2004, prepared an Environmental Impact Report (EIR) for the Oaks Business Park, which includes the proposed Project site; and in 2015 prepared Resolutions approving Conditional Use Permit 14-006 and Site Plan Design Review (SPDR) 14-018, for a bus manufacturing facility at the Project site; and in 2023 prepared Site Plan Design Review Modification (SPDRM) 23-015 to expand zero-emission vehicle manufacturing, add lithium-ion battery storage, and add new office space at the Project site; and copies of which are on file with the California Energy Commission and are provided in the backup materials; and

WHEREAS, the City considered and filed the EIR on March 23, 2004, and made mitigation measures a condition of approval; the SPDR and CUP on March 10, 2015; and the SPDRM on June 2, 2023; and copies of the EIR and Resolutions approving the EIR, SPDR and CUP are on file with the Energy Commission and are provided in the backup materials; and

WHEREAS, the Energy Commission has reviewed and considered the City's EIR; mitigation measures; Resolutions approving the SPDR and CUP; and SPDRM, and the findings contained therein, and filed Notices of Determinations, and the Energy Commission staff's findings, which are contained in the Staff Memorandum and CEQA Analysis of ZVI-22-037, which is included in the backup materials; and

WHEREAS, the Energy Commission is considering proposed Agreement ZVI-22-037, Zero-Emission Bus Manufacturing Ramp-Up in the State of California, a grant to expand GILLIG's bus manufacturing facility, add lithium-ion battery storage, and expand office space; and

WHEREAS, Prior to acting on the Agreement ZVI-22-037, the Energy Commission desires to make certain findings pursuant to the CEQA Guidelines, title 14, section 15096;

NOW THEREFORE, BE IT RESOLVED:

1. The Energy Commission has reviewed the information contained in the EIR, mitigation measures, Resolutions approving the SPDR and CUP, and SPDRM that is relevant to its approval of ZVI-22-037, and has reviewed the CEQA findings contained in the City's EIR/NOD, mitigation measures, Resolutions approving the SPDR and CUP, and the SPDRM, which are adopted to the extent that they are relevant to the Energy Commission's decision to approve ZVI-22-037, and has reviewed the Staff Memorandum identified above.

2. The City has already adopted the mitigation measures recommended in the EIR, and has authority to implement the mitigation measures or to seek any required approvals for the mitigation measures, and the Energy Commission has no direct authority to implement the mitigation measures.
3. The Energy Commission has reviewed and considered the EIR, mitigation measures, Resolutions approving the SPDR and CUP, SPDRM, and Staff Memorandum, and finds that these documents are adequate for its use as the decision-making body for its consideration of ZVI-22-037.
4. Approval of ZVI-22-037 is within the scope of the Conditional Use Permit 14-006 approved by the City, and within the activities evaluated in the EIR, SPDR, CUP, and SPDRM.
5. Since the EIR was finalized and filed on March 22, 2004; and since the SPDR and CUP were approved and filed on March 10, 2015; and since the SPDRM was approved and filed on June 2, 2023, none of the circumstances within CCR, title 14, section 15162 are present and there have been no substantial project changes and no substantial changes in the project circumstances that would require major revisions to the EIR or CUP, either due to the involvement of new significant environmental effects or to an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusion set forth in the EIR.
6. The Energy Commission has not identified any feasible alternative or additional feasible mitigation measures within its power that would substantially lessen or avoid any significant effect the Project would have on the environment.

THEREFORE BE IT RESOLVED, that the Energy Commission finds, on the basis of the entire record before it, that the mitigation measures incorporated in the EIR will prevent ZVI-22-037 from having any significant environmental impacts; and

BE IT FURTHER RESOLVED, that the Energy Commission approves ZVI-22-037 with GILLIG for \$29,729,717; and

BE IT FURTHER RESOLVED, that this document authorizes the Executive Director or his or her designee to execute the same on behalf of the Energy Commission.

CERTIFICATION

The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the California Energy Commission held on July 26, 2023.

AYE:

NAY:

ABSENT:

ABSTAIN:

Dated:

Kristine Banaag
Secretariat



GRANT REQUEST FORM (GRF)

A. New Agreement Number

IMPORTANT: New Agreement # to be completed by Contracts, Grants, and Loans Office.

New Agreement Number: ZVI-23-001

B. Division Information

1. Division Name: Fuels and Transportation
2. Agreement Manager: Hieu Nguyen
3. MS-: 27
4. Phone Number: 916-237-2554

C. Recipient's Information

1. Recipient's Legal Name: GILLIG LLC
2. Federal ID Number: 26-3085364

D. Title of Project

Title of project: Zero-Emission Bus Manufacturing Ramp-Up in the State of California

E. Term and Amount

1. Start Date: 7/26/2023
2. End Date: 3/31/2026
3. Amount: \$29,729,717

F. Business Meeting Information

1. Are the ARFVTP agreements \$75K and under delegated to Executive Director? No
2. The Proposed Business Meeting Date: 7/26/2023
3. Consent or Discussion? Discussion
4. Business Meeting Presenter Name: Hieu Nguyen
5. Time Needed for Business Meeting: 5 minutes
6. The email subscription topic is: Clean Transportation Program

Agenda Item Subject and Description:

GILLIG LLC. Proposed resolution adopting CEQA findings for GILLIG LLC's (GILLIG) Zero-Emission Bus Manufacturing Ramp-Up in the State of California, and approving agreement ZVI-23-001 with GILLIG. (General Fund and CTP Funding) Contact: Hieu Nguyen (Staff Presentation: 5 minutes)

- a. CEQA. Findings that, (1) based on the lead agency City of Livermore's (Livermore) Environmental Impact Report (EIR) which included mitigation measures, adopted and filed on March 23, 2004, (2) Livermore's subsequent Conditional Use Permit (CUP) 14-006 and Site Plan Design Review (SPDR) 14-018 adopted and filed on March 10, 2015, and (3) Livermore's Site Plan Design Review Modification (SPDRM) 23-015 adopted and filed on June 2, 2023, work under the project presents no new or substantially more severe environmental impacts beyond those already considered and mitigated; and that following Livermore's adoption of the EIR, CUP, SPDR, and SPDRM, none of the circumstances within CCR, title 14, section 15162 are present.
- b. Zero-Emission Bus Manufacturing Ramp-Up in the State of California. Proposed resolution approving agreement ZVI-23-001 with GILLIG for a \$29,729,717 grant to expand GILLIG's



electric bus manufacturing capacity and for the production launch and scaling of its third-generation battery-electric bus at their facility located in Livermore.

G. California Environmental Quality Act (CEQA) Compliance

1. Is Agreement considered a “Project” under CEQA?

Yes

If yes, skip to question 2.

If no, complete the following (PRC 21065 and 14 CCR 15378) and explain why Agreement is not considered a “Project”:

Agreement will not cause direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment because: If Agreement is considered a “Project” under CEQA skip to question 2. Otherwise, provide explanation.

2. If Agreement is considered a “Project” under CEQA answer the following questions.

a) Agreement **IS** exempt?

Yes

Statutory Exemption?

No

If yes, list PRC and/or CCR section number(s) and separate each with a comma. If no, enter “None” and go to the next question.

PRC section number: None

CCR section number: None

Categorical Exemption?

No

If yes, list CCR section number(s) and separate each with a comma. If no, enter “None” and go to the next question.

CCR section number:

Common Sense Exemption? 14 CCR 15061 (b) (3)

No

If yes, explain reason why Agreement is exempt under the above section. If no, enter “Not applicable” and go to the next section.

Not applicable

b) Agreement **IS NOT** exempt.

IMPORTANT: consult with the legal office to determine next steps.

No

If yes, answer yes or no to all that applies. If no, list all as “no” and “None” as “yes”.

Additional Documents	Applies
Initial Study	No
Negative Declaration	No
Mitigated Negative Declaration	No



Environmental Impact Report	Yes
Statement of Overriding Considerations	No
None	No

H. Subcontractors

List all Subcontractors listed in the Budget (s) (major and minor). Insert additional rows if needed. If no subcontractors to report, enter "No subcontractors to report" and "0" to funds.

Delete any unused rows from the table

Subcontractor Legal Company Name	CEC Funds	Match Funds
KPRS Construction Services, Inc.	\$ 512,946	\$1,512,947
TBD (HR Recruiting Firm / Relocation)	\$ 0	\$ 200,000

I. Vendors and Sellers for Equipment and Materials/Miscellaneous

List all Vendors and Sellers listed in Budget(s) for Equipment and Materials/Miscellaneous. Insert additional rows if needed. If no vendors or sellers to report, enter "No vendors or sellers to report" and "0" to funds. **Delete** any unused rows from the table.

Vendor/Seller Legal Company Name	CEC Funds	Match Funds
1334 DELL, LLC	\$ 0	\$ 87,000
BORGWARNER USA INDUSTRIES, L.L.C	\$ 119,623	\$ 465,689
POWER TEST, INC.	\$ 0	\$1,550,000

J. Key Partners

List all key partner(s). Insert additional rows if needed. If no key partners to report, enter "No key partners to report." **Delete** any unused rows from the table.

Key Partner Legal Company Name
No key partners to report.

K. Budget Information

Include all budget information. Insert additional rows if needed. If no budget information to report, enter "N/A" for "Not Applicable" and "0" to Amount. **Delete** any unused rows from the table.



STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

Grant Request Form
CEC-270 (Revised 10/2022)

Funding Source	Funding Year of Appropriation	Budget List Number	Amount
CTP Funds	2020-2021	601.118 M	\$ 2,000,000
General Fund	2021-2022	601.129 MGA	\$ 17,109,241
General Fund	2022-2023	601.129 MGB	\$ 10,620,476

TOTAL Amount: \$29,729,717

R&D Program Area:

Explanation for "Other" selection

Reimbursement Contract #:

Federal Agreement #:

L. Recipient's Contact Information

1. Recipient's Administrator/Officer

Name: Brian Shepherd

Address: 451 Discovery Drive

City, State, Zip: Livermore, CA 94551

Phone: (510) 264-4432

E-Mail: brian.shepherd@gillig.com

2. Recipient's Project Manager

Name: Katie Morrison

Address: 451 Discovery Drive

City, State, Zip: Livermore, CA 94551

Phone: (845) 664-0322

E-Mail: katie.morrison@gillig.com

M. Selection Process Used

There are three types of selection process. List the one used for this GRF.

Selection Process	Additional Information
Competitive Solicitation #	GFO-21-605
First Come First Served Solicitation #	Not Applicable
Other	Not Applicable

N. Attached Items



STATE OF CALIFORNIA
CALIFORNIA ENERGY COMMISSION

Grant Request Form
CEC-270 (Revised 10/2022)

1. List all items that should be attached to this GRF by entering "Yes" or "No".

Item Number	Item Name	Attached
1	Exhibit A, Scope of Work/Schedule	Yes
2	Exhibit B, Budget Detail	Yes
3	CEC 105, Questionnaire for Identifying Conflicts	Yes
4	Recipient Resolution	No
5	Awardee CEQA Documentation	Yes

Approved By

Individuals who approve this form must enter their full name and approval date in the MS Word version.

Agreement Manager: Hieu Nguyen

Approval Date: 1/10/2023

Office Manager: Charles Smith

Approval Date: 1/25/2023

Deputy Director: Melanie Vail

Approval Date:

M e m o r a n d u m

To: ZVI-23-001, GILLIG LLC – Zero-Emission Bus Manufacturing Ramp-Up in the State of California Project, CEQA Analysis

Date: 7/7/2023

From: **Hieu Nguyen**
California Energy Commission
715 P Street MS-27
Sacramento, CA 95814-5512

Telephone: 916-237-2554

[Subject: California Environmental Quality Act Analysis for ZVI-23-001](#)

I am an Energy Commission Specialist in the Fuels and Transportation Division of the California Energy Commission and am the Commission's Agreement Manager for proposed grant Agreement ZVI-23-001, titled "Zero-Emission Bus Manufacturing Ramp-Up in the State of California" ("ZBMRSC", or "Agreement") with Gillig LLC ("Awardee").

The proposed Agreement with the Awardee will expand the Awardee's electric bus manufacturing capacity and add resources necessary for the production launch and scaling of the Awardee's third-generation battery-electric bus at their facility located in the City of Livermore, CA ("Project"). The proposed agreement includes construction of a battery storage facility, expansion of existing office spaces, and the replacement of bus testing equipment.

This memorandum analyzes the environmental impacts of the proposed grant Agreement, which is the same Project considered and approved by the City of Livermore ("City"). The City in approving the Site Plan Design Review Modification ("SPDRM") No. 23-015, evaluated Environmental Impact Report ("EIR") (SCH No. 2001032069), Notice of Determination ("NOD"), Conditional Use Permit ("CUP") Application No. 14-006 and Site Plan Design Review ("SPDR") No.14-018. In accordance with the California Environmental Quality Act ("CEQA") documentation listed above, the Project proposes the following:

The expansion Project proposes to construct and build an 8,100 square foot ancillary building for lithium-ion battery storage, expansion of the existing second floor mezzanine for approximately 2,900 square feet of new office space, and replacement of one existing dynamometer with a new electric bus dynamometer system. The office space expansion and replacement of the dynamometer will occur in the existing main building, which is about

559,500 square feet. The office space expansion will build upon the existing 3,497 square feet mezzanine office space.

The Project is located on the south side of West Jack London Blvd, approximately 0.27 miles west of highway 84 in the Livermore area, identified as 451 Discovery Dr.

The proposed Project fits within the scope considered by the EIR because the Project will expand existing research and manufacturing operations, which is one major objective of the EIR. Specifically, the EIR sought to promote an environment for the development of professional and administrative facilities, offices, research and manufacturing operations in the Oaks Business Park area. The approved EIR allows between 2.63 and 2.9 million square feet of light industrial, research and development, professional office and ancillary commercial uses on approximately 177 gross acres.

The proposed Project fits within the SPDR because the SPDR initially established the Awardee's bus manufacturing facility, and this Project proposes to upgrade the facility to support zero-emission vehicles and expand the facilities internally and externally within the property of the facility approved in the SPDR. The SPDR notes the project consists of an approximately 559,500 square foot primary building and two ancillary, single-story buildings of 50,000 and 27,000 square feet. The primary building is mostly single-story with a two-story office component on the northwest portion of the building. Other work done include landscaping, fencing, lighting, and a parking lot with approximately 836 parking stalls.

The proposed Project fits within the CUP because the actual expansion project will not propose exceeding the building height allowed in the Oaks Business Park area. The CUP was required to request a height increase for one of the buildings on the Awardee's property and was part of the SPDR application.

The proposed Project fits within the SPDRM because the SPDRM is the actual authorization for the site modification for this Project which includes the construction of an 8,100 square foot ancillary building, expansion of the second-floor mezzanine, and the replacement of one existing dynamometer. A conditional use permit was not required, as the battery storage facility will not exceed the building height allowed in the Oaks Business Park area.

The work to be undertaken for ZVI-23-001 is covered in the CEQA documents prepared by lead agency, the City. The City adopted and filed SPDRM 23-015, findings, and environmental determinations to authorize site modifications to expand the Awardee's zero emission vehicle manufacturing at 451 Discovery Drive on June 2, 2023. The City approval for the Awardee's facility builds upon a previous Conditions of Approval from the original entitlement (CUP and SPDR). The initial build-out of the Awardee's bus manufacturing facility was approved under CUP 14-006 and SPDR 14-018 and filed on March 10, 2015. Pursuant to the City Council Resolution No. 2004-48 dated February 23, 2004 ("City Resolution"), the City filed a Notice of Determination ("NOD") of its finding of the EIR on March 23, 2004. This determination is based

on the Mitigation Monitoring and Reporting Plan (MMRP) included in the City Resolution as Exhibit A and summarized below.

In the EIR/NOD, the City identified and analyzed 65 environmental factors from the environmental checklist for potential impacts, identifying 33 with “No Impact” or “Less than Significant Impact”. Those 33 areas are in the following general categories: Air Quality; Biological Resources; Cultural Resources; Geology, Soils and Seismicity; Health Hazards/Risk of Upset; Hydrology and Water Quality; Land Use; Noise; Public Services and Utilities; Traffic and Circulation; and Visual Resources. The City specified mitigation strategies, set forth in the EIR/NOD and MMRP, for the 9 checklist areas having at least one potential impact that is “Less than Significant with Mitigation.” Those areas are in the following categories: Air Quality; Biological Resources; Cultural Resources; Geology, Soils and Seismicity; Hydrology and Water Quality; Noise; Public Services and Utilities; Traffic and Circulation; and Visual Resources. The City concluded that the applied mitigation strategies would reduce these impacts to “Less than Significant with Mitigation”. (Draft EIR Vol. 1, pages 101-137, 139-152, 153-255, 257-275, 277-340, 341-355, 357-393, 395-410, 411-440, 441-452, and 453-485. MMRP, pages 1-3 to 1-29.) Pursuant to my work in developing the Agreement, including the Scope of Work for the Agreement, I have reviewed the January 2004 Planned Development-Industrial (“PD-I”) 01-003, the 2004 EIR, NOD, and MMRP, the March 2015 CUP and SPDR, and the June 2023 SPDRM for the Project

Based on my review and consideration of the above documents, it is my independent and professional opinion that, since the above CEQA documents have been finalized, there have been no new project changes, and no new, additional, or increased significant environmental impacts have occurred. Furthermore, I have not identified any new information which would change the conclusions of the City’s CEQA documents and Resolutions or render those conclusions inadequate. It is also my independent and professional opinion that the work to be performed under the proposed Agreement falls within the scope of the EIR and MMRP approved by City Resolution No. 2004-38, and the CUP and SPDR approved by City Resolution No. 2-15, and that the Agreement will not result in any new significant environmental impacts. Finally, I have not identified any new mitigation measures, within the California Energy Commission’s authority, that would lessen or further mitigate the impacts of the Agreement.

The reasons for my conclusions are as follows in the brief explanation for all categories below:

Under the Agreement, the Awardee will upgrade and expand manufacturing capabilities at their existing bus manufacturing facility (“Facility”) to allow for the manufacturing and testing of an all-electric bus. The expansion will include construction of an ancillary building and office space. Upgrading the bus testing equipment at the Facility will not be a new additional but rather a replacement of older equipment. When the Project reaches full manufacturing capacity, the Facility will be capable of manufacturing at least 15 buses per week or 780 buses per year. The surrounding development consists of manufacturing, warehousing, distribution, research, and development facilities similar to the project site. Directly south of the project site is an electric vehicle (“EV”) vehicle manufacturing warehouse. Southeast of the project site, there is a vehicle

component supplier facility. Directly east of the project site is an EV distribution center. The Project remains consistent with the applicable Conditions of Approval from the original entitlement (CUP 14-006, SPDR 14-018, and PD-I 01-003) as a bus manufacturing facility since 2015. The land use conforms to the PD-I 01-003 zoning requirements, as the site is in the Oaks Business Park which was established in 2004. The purpose of the PD-I zoning district is to provide an environment for and conducive to the development and protection of modern, professional, and administrative facilities, research institutions, manufacturing operations, and related uses, including distribution facilities, all of a non-nuisance type.

Prior to Awardee building permit application submittal, the Awardee is required to update the parking calculations for the facility, as the expanded square footage requires a total of 692 spaces. The current facility contains a total of 856 parking spaces.

The environmental factors and mitigation measures identified for the Project by the Lead Agency's CEQA EIR, NOD and MMRP for the 26 environmental factors requiring mitigation measures are listed below:

Air Quality

The proposed Project may result in impacts to Air Quality at or near the proposed ZBMRSC site. Prior to and during construction, the Awardee will implement *Mitigation Measure ("MM") 3.6-1 and 3.6-3* of the MMRP. Implementing *MM 3.6-1* which Bay Area Air Quality Management District recommends basic, and enhanced controls measures shall be implemented at all construction sites greater than four acres in area. Recommend the use of soil stabilizers to inactive construction areas, cover exposed stockpiles, limit traffic speeds, install erosion control measures and replant vegetation in disturbed areas. *MM 3.6-3* requires the applicant to develop and implement a comprehensive Transportation Demand Management program to reduce peak hour project traffic volumes. Therefore, with mitigation, the proposed Project's impacts on Air Quality will be reduced to less than significant levels.

Biological Resources

The proposed Project may result in impacts to special-status plant species, western burrowing owl, California tiger salamander, San Joaquin kit fox species at or near the proposed ZBMRSC site. Prior to and during construction, the Awardee will implement *Mitigation Measures 3.9-1 to 3.9-6* of the MMRP, which California Department of Fish and Wildlife or U.S. Fish and Wildlife Services recommends conducting pre-activity clearance surveys to avoid nesting/burrow/den/wetlands sites. The applicant shall conduct a jurisdictional delineation of the project site to confirm the limits of jurisdictional areas and potential project impacts to state or federal projected wetlands. Therefore, with mitigation, the proposed Project's environmental impacts on Biological Resources will be reduced to less than significant levels.

Cultural Resources

The proposed Project will have less than significant impact with mitigation incorporated on Cultural Resources and will not change the impacts identified in EIR and MMRP. There are no known cultural resources at the Project site; however, *Mitigation Measure 3.10-2a and 3.10-2b* of the MMRP are prescribed in the event historic and/or cultural resources are encountered during construction. If human remains are unearthed, no further disturbance is to occur until the Alameda County Sheriff-Coroner has made the necessary findings as to origin and disposition. If such remains are determined to be Native American, the Sheriff-Coroner must notify the Native American Heritage Commission within 24 hours.

Geology, Soils and Seismicity

The proposed Project will have less than significant impact with mitigation on Geology, Soils and Seismicity and will not change the impacts identified in the EIR and MMRP. The Awardee is required to implement all engineering recommendations as detailed within the Geotechnical Investigation Report ("GIR") (Kleinfelder, 1998) to address seismic environmental impacts to the proposed Project during the construction phase. Final grading plans shall be reviewed by a qualified geotechnical engineering consultant to conform to the GIR prior to construction activities. Implementation of the *Mitigation Measure 3.8-2a, 3.8-2b, 3.8-4, and 3.8-5* of the MMRP would reduce the proposed Project's potential impacts of Geology, Soils and Seismicity to less than significant.

Hydrology and Water Quality

The proposed Project will have less than significant impact with mitigation on Hydrology and Water Quality. The land at or near the proposed ZBMRSC site have been previously graded and leveled for commercial industrial use, and no major grading or earth-moving activities would occur. Before grading and construction, the Awardee shall provide evidence that a "Notice of Intent for National Pollutant Discharge Elimination System (NPDES) Coverage under the General Permit" has been submitted to the State Water Resources Control Board. The requirement includes development and submission of a Water Quality Control Plan for construction activities and operation of the project site. Applicant is required to execute a stormwater pollution prevention plan. Implementation of the *Mitigation Measure 3.7-2a – 3.7-2e, 3.7-3* of the MMRP would reduce the proposed Project's impacts of Hydrology and Water Quality to less than significant.

Noise

The proposed Project may result in impacts to Noise at or near the proposed ZBMRSC site. Prior to and during construction, the Awardee will implement *Mitigation Measure ("MM") 3.4-1, 3.4-3a, 3.4-3b, and 3.4-3c* of the MMRP. Implementing *MM 3.4-1, 3.4-3a and 3.4-3b* recommends limit and restriction of high noise-producing activities to certain times and standards guidelines to adhere to. *MM 3.4-3c* requires the applicant to complete an acoustical analysis for the Project which is prepared by the City with mitigation measures. Therefore, with mitigation, the proposed Project's impacts on Noise will be reduced to less than significant levels.

Public Services and Utilities

The proposed Project will be implemented after the City's Capital Improvement Program timetable for wastewater system and shall be required to pay the required impact fees associated with this project by implementation of *Mitigation Measure ("MM") 3.11-3*. The proposed Project would increase the demand for electric services and shall be required to obtain and submit a "will-serve" letter from Pacific Gas & Electric by implementation of *MM 3.11-9*. The implementation of both *MM 3.11-3 and 3.11-9* of the *MMRP* will reduce the proposed Project's impacts of Public Services and Utilities to less than significant levels.

Traffic and Circulation

The proposed Project may result in impacts to Traffic and Circulation near the Project site. Prior to the issuance of the building permit, the Awardee must implement *Mitigation Measure ("MM") 3.3-10* of the *MMRP*, to obtain an approved Transportation Demand Management ("TDM") program to reduce traffic impacts. The TDM shall provide alternative transportation options such as public transportation. Implementation of a TDM will reduce impacts to Traffic and Circulation to less than significant levels. The area around and near the Project site has been fully developed and the Project is occurring after the occupancy of the first building in the business park, implementation of *MM 3.3-1a* to *3.3-9* will not be needed to reduce impacts to Traffic and Circulation [because they have already been implemented].

Visual Resources

The proposed Project will have less than significant impact with mitigation incorporated on Visual Resources. *Mitigation Measure 3.5-3* of the *MMRP* places restriction for on-site lighting to be top-shielded to reduce nighttime glow and side-shielded to reduce spill over into neighboring areas. Implementing *MM 3.5-3* will reduce the proposed Project's impacts to Visual Resources to less than significant levels.

The City also evaluated the proposed Project's potential impacts on the resource areas listed below. In each case, the City found that the Project would have less than significant impacts or no impact in each area. Based on my independent analysis, it is my professional opinion that the Agreement would not impact any of the following areas, and that no mitigation measures are warranted or needed:

Health Hazard/Risk of Upset

The proposed Project is expected to have less than significant to no impacts on Health Hazard/Risk of Upset; therefore, no mitigation measure is required.

Land Use and Planning

The proposed Project is expected to have less than significant to no impacts on Land Use and Planning; therefore, no mitigation measure is required.

California Environmental Quality Act

**Environmental Impact Report, Mitigation Monitoring and Reporting Program,
Notice of Determination, Conditional Use Permit 14-006, Site Plan Design Review
14-018, Site Plan Design Review Modification, Planned Development Industrial 01-
003, and City of Livermore Resolution**

GILLIG LLC Zero-Emission Bus Manufacturing Ramp-Up in the State of California

**Follow, cut, and paste the link below into a web browser to view the documents
listed above:**

<https://www.gillig.com/supportdocuments>

Exhibit A SCOPE OF WORK

TECHNICAL TASK LIST

Task #	CPR	Task Name
1		Administration
2		Manufacturing Facility Preparation and Validation
3	X	Pre-Production Activities
4		Assembler Workforce Training
5		Equipment Procurement
6		Workforce Expansion
7	X	Office and Zero Emission Facility Design and Construction
8		Data Collection and Analysis
9		Project Fact Sheet

KEY NAME LIST

Task #	Key Personnel	Key Subcontractor(s)	Key Partner(s)
1	Katie Morrison (GILLIG)	N/A	N/A
2	Katie Morrison (GILLIG)	N/A	N/A
3	Katie Morrison (GILLIG)	N/A	N/A
4	Katie Morrison (GILLIG)	N/A	N/A
5	Katie Morrison (GILLIG)	N/A	N/A
6	Katie Morrison (GILLIG)	N/A	N/A
7	Katie Morrison (GILLIG)	N/A	N/A
8	Katie Morrison (GILLIG)	N/A	N/A
9	Katie Morrison (GILLIG)	N/A	N/A

GLOSSARY

Specific terms and acronyms used throughout this scope of work are defined as follows:

Term/ Acronym	Definition
CAM	Commission Agreement Manager
CAO	Commission Agreement Officer
CEC	California Energy Commission
CNG	Compressed Natural Gas
CTP	Clean Transportation Program
CPR	Critical Project Review
FTD	Fuels and Transportation Division
H RTP	High Road Training Partnership
Recipient	GILLIG LLC (GILLIG)
ZEV	Zero-Emission Vehicle

Background

The Budget Act of 2021 (Assembly Bill (AB) 128, Ting, Chapter 21, Statutes of 2021, as amended by Senate Bill (SB) 129, Skinner, Chapter 69, Statutes of 2021 and SB 170, Skinner, Chapter 240, Statutes of 2021) appropriated \$785,000,000 from the General Fund to support infrastructure deployments and manufacturing projects for zero-emission light-duty and medium- and heavy-duty vehicles. The Budget Act of 2022 (SB 154, Skinner, Chapter 43, Statutes of 2022, as amended by AB 178, Ting, Chapter 45, Statutes of 2022) appropriated an additional \$255,000,000 from the General Fund to support infrastructure deployments and manufacturing projects for zero-emission light-duty and medium- and heavy-duty vehicles.

AB 118 (Núñez, Chapter 750, Statutes of 2007), created the Clean Transportation Program. The statute authorizes the California Energy Commission (CEC) to develop and deploy alternative and renewable fuels and advanced transportation technologies to help attain the state's climate change, clean air, and alternative energy policies. AB 8 (Perea, Chapter 401, Statutes of 2013) re-authorizes the Clean Transportation Program through January 1, 2024. The Clean Transportation Program has an annual budget of approximately \$100 million and provides financial support for projects that:

- Reduce California's use and dependence on petroleum transportation fuels and increase the use of alternative and renewable fuels and advanced vehicle technologies.
- Produce sustainable alternative and renewable low-carbon fuels in California.
- Expand alternative fueling infrastructure and fueling stations.
- Improve the efficiency, performance and market viability of alternative light-, medium-, and heavy-duty vehicle technologies.
- Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use.

- Expand the alternative fueling infrastructure available to existing fleets, public transit, and transportation corridors.
- Establish workforce training programs and conduct public outreach on the benefits of alternative transportation fuels and vehicle technologies.

On March 30, 2022, the CEC released Grant Funding Opportunity (GFO) entitled “Zero-Emission Transportation Manufacturing.” This competitive grant solicitation was to fund in-state manufacturing of zero-emission vehicles (ZEV), ZEV components and batteries, and ZEV charging or refueling equipment. In response to GFO-21-605, the Recipient submitted application #19 which was proposed for funding in the CEC’s Notice of Proposed Awards on August 24, 2022. GFO-21-605 and Recipient’s application are hereby incorporated by reference into this Agreement in their entirety.

In the event of any conflict or inconsistency between the terms of the Solicitation and the terms of the Recipient’s Application, the Solicitation shall control. In the event of any conflict or inconsistency between the Recipient’s Application and the terms of CEC’s Award, CEC’s Award shall control. Similarly, in the event of any conflict or inconsistency between the terms of this Agreement and the Recipient’s Application, the terms of this Agreement shall control.

Problem Statement:

The zero-emission transit industry has seen a massive and rapid expansion recently, promoted by the proliferation of state and local clean transit policies and the availability of substantial federal support. At the federal level, the Infrastructure Investment and Jobs Act appropriated more than \$7 billion over five years to the Low or No Emission Vehicle Program and Bus and Bus Facilities Program, which provides funding to state and local entities to purchase and deploy zero-emission transit buses. The federal funding is complemented by a zero-emission funding commitment from California’s Governor in excess of \$6 billion, including funding for transit buses and infrastructure. States like California are inducing demand for zero-emission buses by implementing the Innovative Clean Transit regulation and the Low Carbon Fuel Standard. California policies mandate the transition to zero-emission public transit vehicles. With increased funding for procurement via federal and state programs and the rapidly expanding demand for zero-emission transit buses, the industry requires additional zero-emission bus manufacturing capacity.

Goals of the Agreement:

The goals of this Agreement are to:

- Expedite development of GILLIG’s zero-emission product portfolio.
- Encourage development of cutting-edge zero-emission technologies in California, through improved:
 - Equipment
 - Training
 - People
 - Facilities
- Support workforce development opportunities in an evolving transportation landscape.

- Preserve California jobs.
- Create California jobs.
- Reduce greenhouse gas emissions from the use of fossil fuel-powered heavy-duty vehicles in California and throughout the nation.
- Accelerate GILLIG's transition to be an exclusively zero-emission vehicle manufacturer.
- Accelerate transit agencies' transition to zero-emission buses in California and across the nation.

Objectives of the Agreement:

The objectives of this Agreement are to:

- Enable the increase in production capacity of GILLIG electric buses, ensuring that the facility is capable of manufacturing at least 15 zero-emission buses per week.
- Establish pre-production activities for third-generation battery electric bus.
- Invest in equipment necessary to scale zero-emission bus manufacturing and support GILLIG's larger investments in zero-emission product development and manufacturing.
- Provide formal Assembler Workforce Training through the program being developed by GILLIG and Teamster Local 853's High Road Training Partnership (HRTTP) project with the Workforce Development Board. The specific metrics associated with this training are to be developed through the separate HRTTP program.
- Expand office space to ensure state-of-the-art facilities necessary to scale GILLIG's operations. Build a lithium-ion battery storage facility to expand battery storage capabilities for the GILLIG bus manufacturing facility.
- Create new jobs and preserve existing jobs, including union labor, for California residents in the Tri-Valley and surrounding areas. This manufacturing expansion of the GILLIG facility will support 80 direct jobs, with 29 new permanent positions and support of over 482,000 in total assembly and warehousing hours occurring during the CEC project term. The project will support over 1,000 indirect jobs. Additionally, this project supports over 150 additional roles within the organization.
- Reduce greenhouse gas emissions through the scaled production of battery electric buses. Nearly 166 tons of NOx emissions would be reduced per year when GILLIG is producing at least 15 zero-emission buses per week.

TASK 1 ADMINISTRATION

Task 1.1 Attend Kick-off Meeting

The goal of this task is to establish the lines of communication and procedures for implementing this Agreement. The Commission Agreement Manager (CAM) shall designate the date and location of this meeting and provide an agenda to the Recipient prior to the meeting.

The Recipient shall:

- Attend a “Kick-Off” meeting with the CAM, the Commission Agreement Officer (CAO), and a representative of the CEC Accounting Office. The Recipient shall bring their Project Manager, Agreement Administrator, Accounting Officer, and any others determined necessary by the Recipient or specifically requested by the CAM to this meeting.
- Provide a written statement of project activities that have occurred after the notice of proposed awards but prior to the execution of the agreement using match funds. If none, provide a statement that no work has been completed using match funds prior to the execution of the agreement. All pre-execution match expenditures must conform to the requirements in the Terms and Conditions of this Agreement.
- Discuss the following administrative and technical aspects of this Agreement:
 - Agreement Terms and Conditions
 - Critical Project Review (Task 1.2)
 - Match fund documentation (Task 1.7) No reimbursable work may be done until this documentation is in place.
 - Permit documentation (Task 1.8)
 - Subawards needed to carry out project (Task 1.9)
 - The CAM’s expectations for accomplishing tasks described in the Scope of Work
 - An updated Schedule of Products and Due Dates
 - Monthly Calls (Task 1.4)
 - Quarterly Progress Reports (Task 1.5)
 - Technical Products (Product Guidelines located in Section 5 of the Terms and Conditions)
 - Final Report (Task 1.6)

Recipient Products:

- Updated Schedule of Products
- Updated List of Match Funds
- Updated List of Permits
- Written Statement of Match Share Activities

Commission Agreement Manager Product:

- Kick-Off Meeting Agenda

Task 1.2 Critical Project Review (CPR) Meetings

CPRs provide the opportunity for frank discussions between the CEC and the Recipient. The goal of this task is to determine if the project should continue to receive CEC funding to complete this Agreement and to identify any needed modifications to the tasks, products, schedule or budget.

The CAM may schedule CPR meetings as necessary, and meeting costs will be borne by the Recipient.

Meeting participants include the CAM and the Recipient and may include the CAO, the Fuels and Transportation Division (FTD) program lead, other CEC staff and Management as well as other individuals selected by the CAM to provide support to the CEC.

The CAM shall:

- Determine the location, date, and time of each CPR meeting with the Recipient. These meetings generally take place at the CEC, but they may take place at another location or remotely.
- Send the Recipient the agenda and a list of expected participants in advance of each CPR. If applicable, the agenda shall include a discussion on both match funding and permits.
- Conduct and make a record of each CPR meeting. Prepare a schedule for providing the written determination described below.
- Determine whether to continue the project, and if continuing, whether or not modifications are needed to the tasks, schedule, products, and/or budget for the remainder of the Agreement. Modifications to the Agreement may require a formal amendment (please see section 8 of the Terms and Conditions). If the CAM concludes that satisfactory progress is not being made, this conclusion will be referred to the Lead Commissioner for Transportation for his or her concurrence.
- Provide the Recipient with a written determination in accordance with the schedule. The written response may include a requirement for the Recipient to revise one or more product(s) that were included in the CPR.

The Recipient shall:

- Prepare a CPR Report for each CPR that discusses the progress of the Agreement toward achieving its goals and objectives. This report shall include recommendations and conclusions regarding continued work of the projects. This report shall be submitted along with any other products identified in this scope of work. The Recipient shall submit these documents to the CAM and any other designated reviewers at least 15 working days in advance of each CPR meeting.
- Present the required information at each CPR meeting and participate in a discussion about the Agreement.

CAM Products:

- Agenda and a list of expected participants
- Schedule for written determination
- Written determination

Recipient Product:

- CPR Report(s)

Task 1.3 Final Meeting

The goal of this task is to closeout this Agreement.

The Recipient shall:

- Meet with CEC staff to present the findings, conclusions, and recommendations. The final meeting must be completed during the closeout of this Agreement.

This meeting will be attended by, at a minimum, the Recipient and the CAM. The technical and administrative aspects of Agreement closeout will be discussed at the meeting, which may be two separate meetings at the discretion of the CAM.

The technical portion of the meeting shall present an assessment of the degree to which project and task goals and objectives were achieved, findings, conclusions, recommended next steps (if any) for the Agreement, and recommendations for improvements. The CAM will determine the appropriate meeting participants.

The administrative portion of the meeting shall be a discussion with the CAM about the following Agreement closeout items:

- What to do with any equipment purchased with CEC funds (Options)
 - CEC request for specific “generated” data (not already provided in Agreement products)
 - Need to document Recipient’s disclosure of “subject inventions” developed under the Agreement
 - “Surviving” Agreement provisions
 - Final invoicing and release of retention
- Prepare a schedule for completing the closeout activities for this Agreement.

Products:

- Written documentation of meeting agreements
- Schedule for completing closeout activities

Task 1.4 Monthly Calls

The goal of this task is to have calls at least monthly between CAM and Recipient to verify that satisfactory and continued progress is made towards achieving the objectives of this Agreement on time and within budget.

The objectives of this task are to verbally summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, to verify match funds are being proportionally spent concurrently or in advance of CEC funds or are being spent in accordance with an approved Match Funding Spending Plan, to form the basis for determining whether invoices are consistent with work performed, and to answer any other questions from the CAM. Monthly calls might not be held on those months when a quarterly progress report is submitted, or the CAM determines that a monthly call is unnecessary.

The CAM shall:

- Schedule monthly calls.
- Provide questions to the Recipient prior to the monthly call.
- Provide call summary notes to Recipient of items discussed during call.

The Recipient shall:

- Review the questions provided by CAM prior to the monthly call
- Provide verbal answers to the CAM during the call.

Product:

- Email to CAM concurring with call summary notes.

Task 1.5 Quarterly Progress Reports

The goal of this task is to periodically verify that satisfactory and continued progress is made towards achieving the objectives of this Agreement on time and within budget.

The objectives of this task are to summarize activities performed during the reporting period, to identify activities planned for the next reporting period, to identify issues that may affect performance and expenditures, and to form the basis for determining whether invoices are consistent with work performed.

The Recipient shall:

- Prepare a Quarterly Progress Report which summarizes all Agreement activities conducted by the Recipient for the reporting period, including an assessment of the ability to complete the Agreement within the current budget and any anticipated cost overruns. Progress reports are due to the CAM the 10th day of each January, April, July, and October. The Quarterly Progress Report template can be found on the ECAMS Resources webpage available at <https://www.energy.ca.gov/media/4691>.

Product:

- Quarterly Progress Reports

Task 1.6 Final Report

The goal of the Final Report is to assess the project's success in achieving the Agreement's goals and objectives, advancing science and technology, and providing energy-related and other benefits to California.

The objectives of the Final Report are to clearly and completely describe the project's purpose, approach, activities performed, results, and advancements in science and technology; to present a public assessment of the success of the project as measured by the degree to which goals and objectives were achieved; to make insightful observations based on results obtained; to draw conclusions; and to make recommendations for further projects and improvements to the FTD project management processes.

The Final Report shall be a public document and is limited to 25-pages. If the Recipient has obtained confidential status from the CEC and will be preparing a confidential version of the Final Report as well, the Recipient shall perform the following activities for both the public and confidential versions of the Final Report.

In addition to any other applicable requirements, the Final Report must comply with the Americans with Disabilities Act (ADA) of 1990 (42 U.S.C. 12101 et seq.), which prohibits discrimination on the basis of disability; all applicable regulations and guidelines issued pursuant to the ADA; Cal. Gov. Code sects. 7405 and 11135; and Web Content Accessibility Guidelines 2.0, or a subsequent version, as published by the Web Accessibility Initiative of the World Wide Web Consortium at a minimum Level AA success criteria.

The Recipient shall:

- Prepare an Outline of the Final Report, if requested by the CAM.
- Prepare a Final Report complying with ADA requirements and following the latest version of the Final Report guidelines which will be provided by the CAM. The CAM shall provide written comments on the Draft Final Report within fifteen (15) working days of receipt. The Final Report must be completed at least 60 days before the end of the Agreement Term.
- Submit Final Report in Microsoft Word format or similar electronic format as approved by the CAM.

Products:

- Outline of the Final Report, if requested
- Draft Final Report
- Final Report

Task 1.7 Identify and Obtain Matching Funds

The goal of this task is to ensure that the match funds planned for this Agreement are obtained for and applied to this Agreement during the term of this Agreement.

The costs to obtain and document match fund commitments are not reimbursable through this Agreement. Although the CEC budget for this task will be zero dollars, the Recipient may utilize match funds for this task. Match funds must be identified in writing and the associated commitments obtained before the Recipient can incur any costs for which the Recipient will request reimbursement.

The Recipient shall:

- Prepare a letter documenting the match funding committed to this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If no match funds were part of the proposal that led to the CEC awarding this Agreement and none have been identified at the time this Agreement starts, then state such in the letter. If match funds were a part of the proposal that led to the CEC awarding this Agreement, then provide in the letter a list of the match funds that identifies the:
 - Amount of each cash match fund, its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied.
 - Amount of each in-kind contribution, a description, documented market or book value, and its source, including a contact name, address and telephone number and the task(s) to which the match funds will be applied. If the in-kind contribution is equipment or other tangible or real property, the Recipient shall identify its owner and provide a contact name, address and telephone number, and the address where the property is located.
- Provide a copy of the letter of commitment from an authorized representative of each source of cash match funding or in-kind contributions that these funds or contributions have been secured. For match funds provided by a grant a copy of the executed grant shall be submitted in place of a letter of commitment.
- Discuss match funds and the implications to the Agreement if they are reduced or not obtained as committed, at the kick-off meeting. If applicable, match funds will be included as a line item in the progress reports and will be a topic at CPR meetings.
- Provide the appropriate information to the CAM if during the course of the Agreement additional match funds are received.
- Notify the CAM within 10 days if during the course of the Agreement existing match funds are reduced. Reduction in match funds must be approved through a formal amendment to the Agreement and may trigger an additional CPR meeting.

Products:

- A letter regarding match funds or stating that no match funds are provided
- Copy(ies) of each match fund commitment letter(s) (if applicable)
- Letter(s) for new match funds (if applicable)
- Letter that match funds were reduced (if applicable)

Task 1.8 Identify and Obtain Required Permits

The goal of this task is to obtain all permits required for work completed under this Agreement in advance of the date they are needed to keep the Agreement schedule on track.

Permit costs and the expenses associated with obtaining permits are not reimbursable under this Agreement. Although the CEC budget for this task will be zero dollars, the Recipient may budget match funds for any expected expenditures associated with obtaining permits. Permits must be identified in writing and obtained before the Recipient can make any expenditure for which a permit is required.

The Recipient shall:

- Prepare a letter documenting the permits required to conduct this Agreement and submit it to the CAM at least 2 working days prior to the kick-off meeting. If there are no permits required at the start of this Agreement, then state such in the letter. If it is known at the beginning of the Agreement that permits will be required during the course of the Agreement, provide in the letter:
 - A list of the permits that identifies the:
 - Type of permit
 - Name, address and telephone number of the permitting jurisdictions or lead agencies
 - The schedule the Recipient will follow in applying for and obtaining these permits.
- Discuss the list of permits and the schedule for obtaining them at the kick-off meeting and develop a timetable for submitting the updated list, schedule and the copies of the permits. The implications to the Agreement if the permits are not obtained in a timely fashion or are denied will also be discussed. If applicable, permits will be included as a line item in the Progress Reports and will be a topic at CPR meetings.
- If during the course of the Agreement additional permits become necessary, provide the appropriate information on each permit and an updated schedule to the CAM.
- As permits are obtained, send a copy of each approved permit to the CAM.
- If during the course of the Agreement permits are not obtained on time or are denied, notify the CAM within 5 working days. Either of these events may trigger an additional CPR.

Products:

- Letter documenting the permits or stating that no permits are required
- A copy of each approved permit (if applicable)
- Updated list of permits as they change during the term of the Agreement (if applicable)
- Updated schedule for acquiring permits as changes occur during the term of the Agreement (if applicable)
- A copy of each final approved permit (if applicable)

Task 1.9 Obtain and Execute Subawards

The goal of this task is to ensure quality products and to procure subrecipients required to carry out the tasks under this Agreement consistent with the Agreement Terms and Conditions and the Recipient's own procurement policies and procedures.

The Recipient shall:

- Manage and coordinate subrecipient activities.
- If requested by the CAM, submit a draft of each subaward required to conduct the work under this Agreement to the CAM for review.
- If requested by the CAM, submit a final copy of the executed subaward.
- If Recipient intends to add new subrecipients or change subrecipients, then the Recipient shall notify the CAM.

Products:

- Letter describing the subawards needed, or stating that no subawards are required
- Draft subcontracts (if requested)
- Final subcontracts (if requested)

TECHNICAL TASKS

TASK 2 Manufacturing Facility Preparation and Validation

The goal of this task is to ensure that GILLIG's bus manufacturing facility is capable of scaling battery electric bus production.

The Recipient shall:

- Prepare a *Manufacturing Facility Capability Assessment Report* that includes, but is not limited to, the following components:
 - Definition of production capacity targets
 - Identification of manufacturing equipment required to meet defined production output targets
 - Facility area map with locations of manufacturing equipment to be procured and installed
 - Facility expansion plan
 - Production validation process.

Products:

- Manufacturing Facility Capability Assessment Report

TASK 3 Pre-Production Activities

The goal of this task is to complete pre-production activities including new production engineering, manufacturing engineering, publications, and quality components.

The Recipient shall:

- Gather input from multiple internal GILLIG groups to assess the successfulness of the new bus product. These details will be included in the Pre-Production Activity Report.
- Prepare a *Pre-Production Activity Report* that includes, but is not limited to, the following components:
 - New Product Engineering (e.g., for drawings, troubleshooting tree development time, etc.)
 - Manufacturing engineering (e.g., for production line support efforts prior to full production)
 - Publications (e.g., for new documentation efforts related to the third-generation product)
 - Quality (e.g., telematics activation efforts, inspection efforts, and safety protocol training).

Products:

- Pre-Production Activity Report

[CPR WILL BE HELD IN THIS TASK. See Task 1.2 for details]

TASK 4 Assembler Workforce Training

The goal of this task is to provide updates to the development of an assembly workforce training program for GILLIG's current and future workforce.

The Recipient shall:

- Hire training consultant to lead and develop the workforce training program
- Collaborate with the training consultant and Teamsters Local 853 to develop the scope of the training program.
- Develop and formalize training program for assembler workforce to support battery electric bus manufacturing production. Prepare and submit to the CAM an *Assembler Workforce Training Summary Report* that includes, but not limited to, the following components:
 - Summary of the hiring and selection of the training consultant
 - Development and finalization of the program scope
 - Key results accomplished during the training program (e.g., a description of training processes developed for assembly team and applicability towards the battery electric bus production process).

Products:

- Assembler Workforce Training Summary Report

TASK 5 Equipment Procurement

The goal of this task is to ensure that the equipment necessary for this project are procured, installed, commissioned, and operational.

The Recipient shall:

- Identify vendors for the equipment necessary to achieve the project production goals per outcomes of “Manufacturing Facility Capability Assessment Report” completed under Task 2.
- Execute *Equipment Procurement Contracts* with equipment vendors and provide copies to the CAM.
- Confirm receipt of procured equipment and provide *Proof of Delivery* to the CAM.
- Install equipment and provide *Proof of Installation* to the CAM.
- Commission equipment to verify operational status and report the results in the *Equipment Commissioning Report* to the CAM.

Products:

- Copies of executed equipment procurement contracts
- Proof of delivery
- Proof of installation
- Equipment Commissioning Report

TASK 6 Workforce Expansion

The goal of this task is to develop and implement GILLIG’s workforce expansion plan and provide a summary of the workforce expansion benefits in a Workforce Expansion Report.

The Recipient shall:

- Prepare and submit a *Workforce Expansion Report* to the CAM that includes, but is not limited to:
 - Development and implementation of workforce expansion plan.
 - The quantity of jobs (direct and indirect) created, salary information, and roles within the project scope that are being added as a result of GILLIG’s planned manufacturing expansion activities.
 - The quantity of jobs from disadvantaged communities or priority populations.
 - Recruitment efforts utilized to identify candidates for new and open positions.

Products:

- Workforce Expansion Report

TASK 7 Office and Zero Emission Facility Design and Construction

The goal of this task is to expand office space to support teams necessary to expand the production of battery electric buses and build a lithium-ion battery storage facility.

The Recipient shall:

- Hire an architect.
- Complete preliminary designs.
- Open bid contracts for contractors.
- Select contractor.
- File Site Plan Design Review Modification application for additions and interior modifications to existing building.
- Build additional office space and lithium-ion battery storage space.
- Attain sign-off on building occupancy.
- Furnish and occupy space.
- Provide *High Resolution Photos* of the pre-construction and post-construction facility additions.
- Develop and submit a *Facility Design Report* documenting updates on the steps described above including confirmation of the completed construction of the additional office space and battery storage space.

Products:

- High resolution photos
- Facility Design Report

[CPR WILL BE HELD IN THIS TASK. See Task 1.2 for details]

Task 8 Data Collection and Analysis

The goal of this task is to collect operational data from the project and to analyze that data for economic and environmental impacts.

The Recipient shall:

- Develop a *Data Collection Outline and Plan*.
- Identify key project issues encountered and resolution of the issues.
- Collect a minimum of 6 months of project and operations data.

- Identify the number and description of units produced from product beta testing and validation through commercial production. The Recipient shall also characterize the use of these products after the project.
- Describe the market(s) for the manufactured products and compare the market status from the time of the original project proposal to the time of the project's completion.
- Provide a projection of the number of units to be manufactured per year, for the products identified in the original application, 3 years after the completion of the project. The Recipient shall also provide assumptions for projected growth.
- Compare project performance and expectations provided in the original project proposal with actual project performance, results, and accomplishments.
- Provide data on specific jobs and economic impact as a direct result of the project, including:
 - Number and type of short-term jobs created or retained by the project
 - Number and type of sustained, long-term jobs created or retained by the project
 - Estimates and descriptions of future jobs resulting from the project
 - Estimates of local economic impacts and revenues to state and local governments
 - Number of employees participating in training programs, and types of training programs
 - Number of indirect jobs resulting from the project.
- Provide a *Data Collection and Information Analysis Report* that lists and analyzes all the data and information described above.

Products:

- Data Collection Outline and Plan
- Data Collection and Information Analysis Report

TASK 9 Project Fact Sheet

The goal of this task is to develop an initial and final project fact sheet that describes the CEC-funded project and the benefits resulting from the project for the public and key decision makers.

The Recipient shall:

- Prepare an *Initial Project Fact Sheet* at start of the project that describes the project and the expected benefits. Use the format provided by the CAM.
- Prepare a *Final Project Fact Sheet* at the project's conclusion that describes the project, the actual benefits resulting from the project, and lessons learned from implementing the project. Use the format provided by the CAM.
- Provide at least (6) six *High Quality Digital Photographs* (minimum resolution of 1300x500 pixels in landscape ratio) of pre and post technology installation at the project sites or related project photographs.

Products:

- Initial Project Fact Sheet
- Final Project Fact Sheet
- High Quality Digital Photographs