



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

TECHNOLOGY COMMITTEE MEETING

Committee Members

Council Member Joe Buscaino, Chair
Supervisor Lisa Bartlett
Board Member Gideon Kracov
Mayor Pro Tem Larry McCallon
Vice Mayor Rex Richardson
Mayor Pro Tem Carlos Rodriguez

March 19, 2021 ♦ 12:00 p.m.

Pursuant to Governor Newsom's Executive Orders N-25-20 (March 12, 2020) and N-29-20 (March 17, 2020), the South Coast AQMD Technology Committee meeting will only be conducted via video conferencing and by telephone. Please follow the instructions below to join the meeting remotely.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION AT BOTTOM OF AGENDA

Join Zoom Meeting - from PC or Laptop
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Zoom Webinar ID: 966 6940 9722 (applies to all)
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Audience will be allowed to provide public comment through telephone or Zoom connection.

PUBLIC COMMENT WILL STILL BE TAKEN

AGENDA

Members of the public may address this body concerning any agenda item before or during consideration of that item (Gov't. Code Section 54954.3(a)). If you wish to speak, raise your hand on Zoom or press Star 9 if participating by telephone. All agendas for regular meetings are posted at South Coast AQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the regular meeting. Speakers may be limited to three (3) minutes each.

CALL TO ORDER

ROLL CALL

ACTION ITEMS (1-3):

1. Issue RFQ for Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts
(Motion Requested)

Arnold Peneda
Air Quality
Specialist

South Coast AQMD administers and manages both the implementation of incentive programs as well as the pre-commercial research, development, demonstration, and deployment of low and zero emission technologies. This action is to issue an RFQ to solicit proposals from qualified consultants and consulting firms capable of providing technical expertise and experience to assist staff with the evaluation and implementation of these programs. It is anticipated that multiple awards will be made from this solicitation.

2. Amend Contract for Development of Battery Powered Locomotive Project
(Motion Requested)

Joseph Lopat
Program
Supervisor

In June 2016, the Board approved a contract with VeRail Technologies (VeRail) to develop a natural gas locomotive using U.S. EPA Clean Air Technology Initiative (CATI) funds. VeRail has since dissolved leaving \$90,825 in CATI funds unused. Subsequently, in 2017, the Board approved \$210,000 in CATI funds for a project with Rail Propulsion Systems (RPS) to develop a battery powered switcher locomotive. The U.S. EPA has since approved the reallocation of unused funds towards further enhancements to the RPS project. This action is to amend the contract with RPS to further the development of a battery electric switcher locomotive in an amount not to exceed \$90,825 of unused U.S. EPA CATI funds from the Clean Fuels Program Fund (31).

OTHER MATTERS:

3. Other Business

Any member of the Committee, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Gov't. Code Section 54954.2)

4. Public Comment Period

At the end of the regular meeting agenda, an opportunity is provided for the public to speak on any subject within the Committee's authority that is not on the agenda. Speakers may be limited to three (3) minutes each.

5. Next Meeting Date

Friday, April 16, 2021 at 12:00 p.m.

ADJOURNMENT

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available by contacting Penny Shaw Cedillo at 909.396.3179, or send the request to pcedillo@aqmd.gov.

Americans with Disabilities Act and Language Accessibility

Disability and language-related accommodations can be requested to allow participation in the Technology Committee meeting. The agenda will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). In addition, other documents may be requested in alternative formats and languages. Any disability or language-related accommodation must be requested as soon as practicable. Requests will be accommodated unless providing the accommodation would result in a fundamental alteration or undue burden to South Coast AQMD. Please contact Penny Shaw Cedillo at 909.396.3179 from 7:30 a.m. to 6:00 p.m., Tuesday through Friday, or send the request to pcedillo@aqmd.gov.

INSTRUCTIONS FOR ELECTRONIC PARTICIPATION

Instructions for Participating in a Virtual Meeting as an Attendee

As an attendee, you will have the opportunity to virtually raise your hand and provide public comment.

Before joining the call, please silence your other communication devices such as your cell or desk phone. This will prevent any feedback or interruptions during the meeting.

Please note: During the meeting, all participants will be placed on Mute by the host. You will not be able to mute or unmute your lines manually.

After each agenda item, the Chairman will announce public comment.

A countdown timer will be displayed on the screen for each public comment.

If interpretation is needed, more time will be allotted.

Once you raise your hand to provide public comment, your name will be added to the speaker list. Your name will be called when it is your turn to comment. The host will then unmute your line.

Directions for Video ZOOM on a DESKTOP/LAPTOP:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of the screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for Video Zoom on a SMARTPHONE:

- If you would like to make a public comment, please click on the “**Raise Hand**” button on the bottom of your screen.
- This will signal to the host that you would like to provide a public comment and you will be added to the list.

Directions for TELEPHONE line only:

- If you would like to make public comment, please **dial *9** on your keypad to signal that you would like to comment.

Technology Committee Agenda #1

BOARD MEETING DATE: April 2, 2021

AGENDA NO. 1

PROPOSAL: Issue RFQ for Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts

SYNOPSIS: South Coast AQMD administers and manages both the implementation of incentive programs as well as the pre-commercial research, development, demonstration and deployment of low and zero emission technologies. This action is to issue an RFQ to solicit proposals from qualified consultants and consulting firms capable of providing technical expertise and experience to assist staff with the evaluation and implementation of these programs. It is anticipated that multiple awards will be made from this solicitation.

COMMITTEE: Technology Committee, March 19, 2021; Recommended for Approval

RECOMMENDED ACTIONS:

1. Issue RFQ #Q2021-06 for Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts; and
2. Authorize the Executive Officer to execute contract(s) with selected consultants and/or consulting firms to provide technical assistance with implementation of the 2021 Carl Moyer Program in an amount not to exceed \$400,000 using up to \$200,000 each in administrative funds from the Carl Moyer Program Fund (32) and the Community Air Protection Program Fund (77).

Wayne Natri
Executive Officer

Background

Mobile sources emit the majority of air pollution in the South Coast Air Basin (Basin). In particular, heavy-duty diesel engines and/or vehicles emit high levels of nitrogen oxides (NOx), a precursor to photochemical smog, as well as diesel particulate exhaust, which is a toxic air contaminant.

The South Coast AQMD administers and manages both the implementation of incentive programs as well as the pre-commercial research, development, demonstration and deployment (RDD&D) of low and zero emission technologies. The Technology Advancement Office's (TAO) Clean Fuels Program incorporates a mix of short-, medium-, and long-term goals, representing a continuum of technology improvements to achieve clean air in the Basin. The Clean Fuels Program receives more than \$12 million annually in revenue and on average has 100 active contracts in progress every year. In addition, TAO oversees multiple voluntary incentive-based programs including but not limited to the Carl Moyer Program, the Proposition 1B-Goods Movement Emission Reduction Program, the On-Road Heavy-Duty Vehicle Voucher Incentive Program, the Lower Emission School Bus Program and the AB 617 CAPP. Comprehensively, these various incentive programs have 1,500 active contracts at any one time with available funding of over \$200 million.

South Coast AQMD periodically releases solicitations to obtain consultants to augment in-house expertise and assist staff with technical reviews, coordination of projects, comparative analyses and implementation of incentive programs. Due to the rapid pace at which technologies are evolving, additional assistance is required for advanced, pre-commercial technology demonstration programs. Expert consultants and administrative resources are also required to assist staff in administering and executing the various incentive programs to meet program expenditure and liquidation deadlines.

Proposal

This action is to issue an RFQ to solicit qualifications from individuals and organizations capable of providing technical assistance in a variety of areas to support the multiple incentive programs as well as the RDD&D program. The areas of expertise for technical assistance will include the following:

Incentive Programs

- Technical evaluation of mobile source projects
- CARB mobile source rules and regulations
- CARB incentive program and guideline requirements
- Surplus emission reductions and cost effectiveness calculations
- Emissions inventory for on-road and off-road equipment
- Outreach and other support activities

RDD&D Program

- Mobile applications – Low and zero emissions technologies
- Fuels - Processing, reformulation, and emissions analyses
- Stationary applications - Advanced combustion and renewables
- Emissions and analyses - In-use measurements and health analyses
- Outreach - Latest technological advancements
- Financial analyst services - financial studies and cost analyses

South Coast AQMD will choose the most qualified consultants and consulting firms that demonstrate extensive experience and meet the RFQ requirements. Proposals will be due May 18, 2021, at 3:00 p.m. Board approval for RDD&D program awards are anticipated in August.

To expedite technical assistance for implementation of the 2021 Carl Moyer Program, staff is requesting that the Board authorize the Executive Officer to enter into contract(s) with selected consultants or consulting firms following the evaluation of proposals submitted in response to RFQ #Q2021-06 based on the recommendations of the review panel.

Bid Evaluation

Consultants will be selected based on the criteria in the RFQ, and successful bidders will be retained through level-of-effort contracts based on their area(s) of expertise and the needs of TAO. It is anticipated that multiple awards will be made from this RFQ. For implementation of the 2021 Carl Moyer Program, the panel will make a recommendation to the Executive Officer for final selection of consultants and/or consulting firms. Qualifications packages will be evaluated by a panel of three to five South Coast AQMD staff members familiar with the work activities and resource needs of TAO. The proposals will be evaluated and scored by the panel in accordance with established SCAQMD guidelines. The panel will consist of at least one Deputy Executive Officer or Assistant Deputy Executive Officer, and one Technology Demonstration Manager or one Technology Implementation Manager.

Outreach

In accordance with South Coast AQMD's Procurement Policy and Procedure, a public notice advertising the RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing South Coast AQMD's own electronic listing of certified minority vendors. Notice of the RFQ will be emailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations and placed on the Internet at South Coast AQMD's website (<http://www.aqmd.gov>) where it can be viewed by making the selection "Grants & Bids."

Benefits to AQMD

Outside expertise will provide the support needed to implement TAO's RDD&D and incentive programs. The added support will provide an effective means of evaluating new technologies, assessing emission reductions and reviewing a higher number of applications to successfully carry out TAO activities.

Resource Impacts

Multiple awards are anticipated from this RFQ. Due to the indefinite nature of the work, the actual contract amounts cannot be determined at this time for the contracts involving RDD&D, and the total amount of funding to be recommended for the Board's consideration for each contract will be dependent upon the consultant's qualifications and TAO needs. The Clean Fuels Fund (31) will be used for awards made under this RFQ for RDD&D. Contract(s) for technical assistance for the incentive programs will not exceed \$400,000 of which \$200,000 will be from the Carl Moyer Program Fund (32) and \$200,000 from the Community Air Protection Program Fund (77).

Attachment

RFQ #Q2021-06 Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts



**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
REQUEST FOR QUALIFICATIONS**

Technical Assistance to Support South Coast AQMD’s Technology Advancement Activities and Mobile Source Incentive Program Implementation Efforts

Q2021-06

South Coast Air Quality Management District (South Coast AQMD) requests qualifications for the following purpose according to terms and conditions attached. In the preparation of this Request for Qualifications (RFQ) the words "Proposer," "Contractor," "Consultant," "Bidder" and "Firm" are used interchangeably.

PURPOSE

The purpose of this RFQ is to solicit statement of qualifications from individuals and organizations capable of providing technical assistance in a variety of specialized areas to support South Coast AQMD’s technology advancement activities and implementation efforts in regards to the Technology Advancement Office’s (TAO) mobile source incentive programs as well as the research, development, demonstration and deployment (RDD&D) program.

Bidder must specify if Qualifications Package is for Mobile Source Incentive Programs, RDD&D, or both in the Cover Letter.

INDEX - The following are contained in this RFQ:

Section I	Background/Information
Section II	Contact Person
Section III	Schedule of Events
Section IV	Participation in the Procurement Process
Section V	Statement of Work/Schedule of Deliverables
Section VI	Qualifications
Section VII	Proposal Submittal Requirements
Section VIII	Proposal Submission
Section IX	Proposal Evaluation/Contractor Selection Criteria
Section X	Funding
Section XI	Sample Contract

- Attachment A - Participation in the Procurement Process
- Attachment B - Certifications and Representations

SECTION I: BACKGROUND/INFORMATION

The South Coast AQMD is a regional governmental agency responsible for meeting air quality health standards in Orange County and the urban portions of Los Angeles, Riverside, and San Bernardino counties.

Mobile sources emit the majority of air pollution in the South Coast Air Basin (Basin). In particular, heavy-duty diesel engines and/or vehicles emit high levels of nitrogen oxides (NOx),

a precursor to photochemical smog, as well as diesel particulate exhaust, which has been categorized by the California Air Resources Board (CARB) as a toxic air contaminant.

The Air Quality Management Plan (AQMP) for the Basin identifies the application of clean-burning alternative fuels (e.g., natural gas, ethanol, and hydrogen), advanced engine and/or vehicle technologies (e.g., fuel cells, hybrid electric and plug-in hybrid electric vehicles, battery electric) and advanced stationary source pollution control technologies to meet the national ambient air quality standards. It also specifies incentives as a key strategy to reduce emissions from mobile sources. These air quality gains, however, may only be realized if programs are in place to develop, commercialize and implement these technologies. As a result, the South Coast AQMD seeks to implement aggressive programs to develop and demonstrate pre-commercial technologies as well as incentivize commercially available technologies.

SECTION II: CONTACT PERSON:

Questions regarding the content or intent of this RFQ or on procedural matters should be addressed to:

Incentive Programs

Arnold Peneda
Air Quality Specialist
(909) 396-2475
E-mail: apeneda@aqmd.gov

RDD&D Program

Joseph Impullitti
Technology Demonstration Manager
(909) 396-2025
E-mail: jimpullitti@aqmd.gov

South Coast AQMD
21865 Copley Drive
Diamond Bar, CA 91765

SECTION III: SCHEDULE OF EVENTS

Date	Event
April 2, 2021	RFQ Released
May 18, 2021	Proposals Due to South Coast AQMD - No Later Than 3:00 pm
August 6, 2021	Governing Board Approval*

*Only Applies for RDD&D Program.

SECTION IV: PARTICIPATION IN THE PROCUREMENT PROCESS

It is the policy of South Coast AQMD to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in South Coast AQMD contracts. Attachment A to this RFQ contains definitions and further information.

SECTION V: STATEMENT OF WORK/SCHEDULE OF DELIVERABLES

A. Objective

The objective of this RFQ is to solicit qualifications from individuals and organizations with strong technical expertise in one or more of the areas of work performed by the Technology Advancement Office at the South Coast AQMD, including but not limited to, the following:

Incentive Programs

- Technical evaluation of mobile source projects and applicable control technologies including but not limited to: on-road heavy duty trucks, off-road equipment, locomotives, marine vessels and heavy-duty vehicle/equipment infrastructure
- CARB mobile source rules and regulations
- CARB incentive programs and guideline requirements (i.e. Proposition 1B – Goods Movement Emission Reduction Program (Prop 1B), Carl Moyer Program (CMP), Community Air Protection Program Incentives (CAPP), the Enhanced Fleet Modernization Program (Replace Your Ride) and the Volkswagen Environmental Mitigation Trust Program (VW), etc.
- Surplus emission reductions and cost effectiveness calculations
- Emissions inventory for on-road and off-road mobile sources
- Outreach and other support of incentive program activities (e.g., program brochures, slide presentations, webinars, strategies to increase awareness and participation in incentive programs, program results analyses, and mobile source data compilation and analyses)

RDD&D Program

Mobile Applications - Low and zero emission technologies for light-, medium-, and heavy-duty vehicles (on- and off-road applications), including:

- Fuel cells, hybrids (electric, plug-in, hydraulic and others), and alternative fuels;
- Component (e.g., batteries and ultracapacitors) and system expertise (e.g., software controllers);
- Engines and exhaust treatment technologies (e.g., catalyst and trap systems); and
- Demonstration of low and zero emission technologies in fleets

Fuels - Fuel processing, reformulation and emission analyses for:

- Alternative and conventional fuels;
- Biofuels (ethanol, biodiesel and biomass);
- Hydrogen infrastructure; and
- Gas to liquid (GTL) fuels.

Stationary Applications

- Advanced combustion technologies;
- Advanced or innovative aftertreatment control technologies;
- Renewable technologies; and

- Fuel cell, hybrid and hydrogen energy co-production.

Emissions and Analyses

- Toxic air contaminants from motor vehicles and their potential formation;
- Health and safety issues related to new technologies;
- Mobile source data compilation and analyses;
- Advanced technology transition (bridging) analyses; and
- Advanced technology assessments, market penetration and acceptance studies.

Outreach

- Develop and conduct outreach to highlight the latest technological developments to industry, regulatory, scientific and public domains.
- Develop technical information and publication materials.

Financial Analyst Services

- Prepare financial studies and cost analyses of existing and proposed grant funded Clean Fuels projects;
- Assist in budget preparation activities in support of grant proposals and existing Clean Fuels programs and projects and the Technology Advancement Division;
- Review invoices, supporting documentation, and indirect cost proposals submitted by contractors to ensure compliance with grant terms and conditions and auditing requirements;
- Monitor expenditures, reimbursements, and status of invoices and disbursement requests for grant funded projects;
- Prepare reimbursement requests to funding agencies for grant funded projects and provide necessary invoices and supporting documentation;
- Coordinate with Finance staff to track and record payments received by funding agencies for grant funded projects;
- Coordinate with staff on creation and tracking of staff time on work program codes for grant funded projects and provides spreadsheets documenting staff time for reimbursement requests to funding agencies;
- Track grant liquidation deadlines and ensure compliance with funding agencies for completion of grant funded projects;
- Participate and contribute to regular staff meetings on grant funded projects to ensure timely completion of tasks, drawdown on funds, and resolution of issues for reimbursement of grant funded projects;
- Prepare administrative, budget, and financial reports as needed for the Technology Advancement Division;
- Assist in development and integration of new or improved systems such as online grants management, invoicing, and contracting systems to increase management effectiveness, efficiency, and reduce operational costs.

This RFQ is being used to leverage staff resources with specialized outside expertise and technical support with program implementation. The selected consultant(s) shall perform various tasks and functions designed to facilitate cooperation and ensure adequate information exchange to South Coast AQMD staff, key government agencies, existing and potential end users of advanced vehicle and stationary technologies, and industry

organizations. Important issues to be monitored, assessed and acted upon may include the status of major alternative fuel technology developmental efforts, promotion of commercially available alternative-fuel engines, advanced technology development and assistance to entities implementing alternative fuel technologies among others.

In addition, the selected consultant(s) shall perform various tasks and functions related to the implementation of South Coast AQMD's incentive funding programs, including but not limited to: CMP, Prop 1B, CAPP, Replace Your Ride and VW.

B. Statement of Work

The selected Consultant(s) shall perform tasks on an as-needed basis upon receiving written notification from the South Coast AQMD's Deputy Executive Officer for Science & Technology Advancement. All work will be assigned and pre-approved by the Project Manager and the Deputy Executive Officer. Each assignment will have specific tasks to be conducted and resources to be utilized. No work can be implemented without authorized parties prior approval and acceptance of specific, detailed task assignments. Potential tasks include but are not limited to the following:

Incentive Programs

- Assist South Coast AQMD staff in technical evaluation of applications submitted for funding consideration pertaining to mobile source incentive programs.
- Assist South Coast AQMD staff in evaluating the surplus emission reductions calculations and cost effectiveness of projects for on- and off-road heavy-duty vehicles and equipment, including but not limited to marine vessels, locomotives, on-road heavy duty trucks, cargo- handling equipment, off-road construction equipment, and locomotives.
- Assist South Coast AQMD staff with in assessing a project's compliance with CARB mobile source rules and regulations and determining project eligibility with respect to incentive program criteria and guideline requirements (i.e. Prop 1B, CMP, CAPP Incentives, etc.).
- Update annual incentive program reporting information to determine compliance with program requirements.
- Assist in the review of incentive program updates. Subsequently updating outreach material, application forms, policies and procedures and other documentation necessary to ensure that South Coast AQMD's program is consistent will any new policy or program changes approved by CARB.
- Assist South Coast AQMD staff in responding to CARB staff regarding calculation methodologies and past practices including updates to the Clean Air Reporting Log (CARL).
- Assist South Coast AQMD staff to assess impact of federal, state and local rules and regulations that are specific to mobile source operations, including proposed

amendments.

- Assist South Coast AQMD staff in preparing briefings, presentations and technical papers, and participate in incentive program workshops.
- Assist South Coast AQMD staff with processing invoices for reimbursement which may include reviewing sales purchase orders, proof of payment, loan agreements, technical data sheets, inspection reports, and Environmental Protection Agency (EPA)/CARB Executive Orders.
- Assist South Coast AQMD staff with the development, execution and modification of contracts, including but not limited to, statement of work and memorandums, with incentive program recipients
- Assist South Coast AQMD staff by providing clerical support for incentive program implementation, including but not limited to: filing, data entry, photocopying, workshop assistance, vehicle and equipment inspection reports, contract document preparation, disseminate program information, translation services (please specify any language translation services that can be provided), collection of annual report information from grantees, responding to phone inquiries about application status, and requesting additional documentation to complete application.
- Develop technical information for incentive programs and provide specific and targeted outreach support and publication materials.
- Perform other tasks relating to the implementation of South Coast AQMD incentive programs as directed by South Coast AQMD's Deputy Executive Officer.

RDD&D Program

- Assist in evaluating the emission benefits, availability, cost effectiveness, and obstacles to the commercialization of alternative fuel technologies for on- and off-road vehicles and equipment, including but not limited to trucks, cargo-handling equipment, marine vessels, construction equipment and locomotives.
- Assist in evaluating the technical progress and emissions data of demonstration projects relating to hybrid, hydraulic and alternative fueled vehicles.
- Assist in evaluating the technical status and emissions data of demonstration projects relating to control of diesel emissions.
- Assist with impact analysis of South Coast AQMD rules that are specific to mobile sources including light-, medium- and heavy-duty fleet operations.
- Assist with efforts to facilitate the development and commercialization of zero tailpipe emission technologies for vehicles (light-duty and transit applications) and stationary applications.

- Assist in evaluating the current status of advanced chemical and mechanical energy storage technologies for application to vehicles as well as other applications, e.g., cargo-handling equipment.
- Assist in evaluating the current status of renewable energies for mobile and stationary sources.
- Assist in evaluating the current status of hydrogen storage, hydrocarbon reforming technologies and innovative components for hydrogen infrastructure.
- Assist in evaluating zero emission goods movement technologies.
- Assist in evaluating electric, plug-in electric and hybrid vehicle technologies and EV charging infrastructure.
- Assist in technical evaluation of proposals submitted to the TAO for funding consideration pertaining to alternative fuels, battery, hydrogen, fuel cells and other advanced vehicle and stationary technologies.
- Perform other tasks relating to low and zero emission vehicle and/or stationary source technologies.
- Assist in preparing briefings and technical papers and participate in technical forums in support of alternative fuel and fuel cell development, demonstration and commercialization, and other advanced mobile and stationary technologies
- Interface with other South Coast AQMD contractors to develop technical information, plan and implement conferences, and provide outreach and publication materials.
- Assist staff with developing and conducting outreach to highlight the latest technological developments to industry, regulatory, scientific and public domains.

Schedule of Deliverables

Specific deliverables and time schedules for task completion will be established by the Deputy Executive Officer, or his designee, in writing when each task is authorized. Deliverables may include but not be limited to one or more of the following: written and/or oral technical reports, spreadsheets containing calculations and technical evaluation of projects, data analysis of emissions inventory, newsletters, articles, draft position papers, language for control measures, attendance at meetings with follow-up reports, etc.

SECTION VI: QUALIFICATIONS

- A. The South Coast AQMD requests submittal of detailed expertise and capabilities from consultants who meet a combination of the technical qualifications listed below. Individuals can team to submit a joint bid if they have complementary expertise and qualifications that collectively meet the requirements. Statements of

qualifications should include evidence documenting experience, expertise, and capabilities wherever possible.

- B. Bidder(s) shall be selected for contract award based on the best combinations of qualifications.

Incentive Programs – Preferred Qualifications

1. Experience in implementation of incentive programs designed to reduce emissions from diesel equipment and vehicles and other sources of air pollution.
2. At least 3-5 years professional experience in the area(s) of expertise.
3. The ability to quickly respond, on short notice, to requests for technical assistance.
4. Working knowledge of CARB mobile source regulations and South Coast AQMD incentive program criteria and guideline requirements (CMP, Prop 1B, CAPP, etc...).
5. Emissions inventory development preferably with mobile sources.
6. Working knowledge of other incentive programs, that may include state and/or federal incentive programs.
7. Proven expertise in any of the technical areas or any combination of areas as listed in Section V: Statement of Work / Schedule of Deliverables under Incentive Programs.
8. Established relationships with equipment manufacturers and/or industry or professional associations.
9. Experience in conducting outreach for air quality programs, identifying any outreach to communities, small businesses and/or developing outreach plans for disadvantaged and/or low-income communities.

RDD&D Program – Required Qualifications

1. Advanced college degree in an engineering, chemistry or related discipline.
2. At least 5 years professional experience in the area(s) of expertise.
3. The ability to quickly respond, on short notice, to requests for technical assistance.
4. Working knowledge of EPA, U.S. Department of Energy (DOE), CARB, California Energy Commission (CEC) and South Coast AQMD programs,

policies, regulations, etc. regarding toxic contaminants, stationary source control technologies, mobile sources (on-road, off-road and/or marine vessels), fuel processing, alternative fuels and supporting infrastructure.

5. Proven expertise in any of the technical areas or any combination of areas as listed in Section V: Statement of Work / Schedule of Deliverables under RDD&D Program.
6. Established relationships with equipment manufacturers and industry and professional associations.
7. Knowledge of state and local permitting requirements for the establishment of alternative fuel refueling facilities, including type of technology being used and type of vehicles using these facilities.
8. Experience in developing and conducting outreach to highlight the latest technological developments to industry, regulatory, scientific and public domains.

SECTION VII: SUBMITTAL REQUIREMENTS FOR QUALIFICATIONS PACKAGE

Submitted qualifications packages must follow the format outlined below and all requested information must be supplied. Failure to submit qualifications packages in the required format will result in elimination from the evaluation process. South Coast AQMD may modify the RFQ or issue supplementary information or guidelines during the qualifications preparation period prior to the due date. Please check our website for updates (<http://www.aqmd.gov/grants-bids>). The cost for developing the qualifications package is the responsibility of the Consultant and shall not be chargeable to South Coast AQMD.

The qualifications package must be submitted in three separate volumes:

- Volume I - Statement of Qualifications
- Volume II - Cost Information
- Volume III - Certifications and Representations included in Attachment B to this RFQ, must be completed and executed by an authorized official of the Contractor.

A separate cover letter including the name, address, and telephone number of the Consultant, and signed by the person or persons authorized to represent the Firm should accompany the qualifications package upon submission. The following shall be included in the cover letter:

1. Address and telephone number of office in, or nearest to, Diamond Bar, California.
2. Name and title of Firm's representative designated as contact.
3. **Bidder must specify if Qualifications Package is for Incentive Programs, RDD&D, or Both in the Cover Letter.**

A separate Table of Contents should be provided for Volumes I and II.

VOLUME I – STATEMENT OF QUALIFICATIONS

DO NOT INCLUDE ANY COST INFORMATION IN VOLUME I.

Volume I must include the following subsections:

Summary - State overall approach to meeting the objectives and satisfying the scope of work to be performed, the sequence of activities, and a description of methodology or techniques to be used.

Management Structure - Describe the proposed management structure, program monitoring procedures, and organization of the proposed team. Provide a statement addressing the Firm's ability and willingness to commit and maintain staffing to successfully complete the work within the mutually agreed schedule.

Qualifications - Describe the technical capabilities of the Firm. Provide references of other similar studies or projects performed during the last five years demonstrating ability to successfully complete the work. Include contact name, title, and telephone number for any references listed. Provide a statement of your Firm's background and related experience in performing similar services for other governmental organizations.

Assigned Personnel - Provide the following information about the staff to be assigned to the South Coast AQMD Technology Advancement Office (TAO) work activities:

1. List all key personnel assigned to the South Coast AQMD TAO work activities by level, name and location. Provide a resume or similar statement describing the background, qualifications and experience of the lead person and all persons assigned to the project. Substitution of project manager or lead personnel will not be permitted without prior written approval of South Coast AQMD.
2. Provide a spreadsheet of the labor hours proposed for each labor category at the task level.
3. Provide a statement indicating whether or not 90% of the work will be performed within the geographical boundaries of South Coast AQMD.
4. Provide a statement of education and training programs provided to, or required of, the staff identified for participation in the project, particularly with reference to management consulting, governmental practices and procedures, and technical matters.
5. Provide a summary of your Firm's general qualifications to meet required qualifications and fulfill statement of work, including additional Firm personnel and resources beyond those who may be assigned to the project.

Subcontractors - The work activities of TAO at the South Coast AQMD may require expertise in multiple technical areas. List any subcontractors that will be used, identifying functions to be performed by them, their related qualifications and experience and the total number of hours or percentage of time they will spend on the project.

Conflict of Interest - Address possible conflicts of interest with other clients affected by actions performed by the Firm on behalf of South Coast AQMD. South Coast AQMD recognizes that prospective Contractors may be performing similar projects for other clients. Include a complete

list of such clients for the past three (3) years with the type of work performed and the total number of years performing such tasks for each client. Although the Proposer will not be automatically disqualified by reason of work performed for such clients, South Coast AQMD reserves the right to consider the nature and extent of such work in evaluating the proposal.

Additional Data - Provide other essential data that may assist in the evaluation of the qualifications package.

VOLUME II - COST INFORMATION

Name and Address – This section must list the name and complete address of the Firm in the upper left-hand corner.

Cost Proposal – South Coast AQMD anticipates awarding a Time and Materials (T&M) contract. Cost information must be provided as listed below:

1. Detail must be provided by the following categories:
 - A. Labor – This section must list the fully-burdened hourly rates and the total number of hours estimated for each level of professional and administrative staff, including subcontractor staff, to be used to perform the tasks required by this RFQ. A breakdown of the proposed billing rates must identify the direct labor rate, overhead rate and amount, fringe benefit rate and amount, General and Administrative rate and amount, and proposed profit or fee. Also, include the proposed annual escalation formula for the proposed billing rates, if applicable. Provide a basis of estimate justifying the proposed labor hours and/or proposed labor mix.
 - B. Travel Costs - Indicate amount of travel cost, if any expected, with the basis of estimate to include trip destination, purpose of trip, length of trip, airline fare or mileage expense, per diem costs, lodging and car rental.
 - C. Other Direct Costs -This category may include such items as postage and mailing expense, printing and reproduction costs, etc. Provide a basis of estimate for these costs.
2. It is the policy of the South Coast AQMD to receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services. South Coast AQMD will give preference, where appropriate, to vendors who certify that they will provide “most favored customer” status to the South Coast AQMD. To receive preference points, Firm shall certify that South Coast AQMD is receiving “most favored customer” pricing in the Business Status Certifications page of Volume III, Attachment B – Certifications and Representations.

VOLUME III - CERTIFICATIONS AND REPRESENTATIONS (see Attachment B to this RFP)

SECTION VIII: SUBMISSION OF QUALIFICATIONS PACKAGE

All qualifications packages must be submitted according to specifications set forth in the section above, and this section. Failure to adhere to these specifications may be cause for rejection of the qualifications package by the South Coast AQMD.

Signature - All qualifications packages must be signed by an authorized representative of the Firm.

Due Date - **All qualifications packages are due no later than 3:00 p.m., May 18, 2021, and should be directed to:**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3520

Submittal - Submit four (4) complete copies of the proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the Firm and the words "Request for Qualifications Q2021-06."

Late bids/proposals will not be accepted under any circumstances.

Grounds for Rejection - A proposal may be immediately rejected if:

- It is not prepared in the format described, or
- It is signed by an individual not authorized to represent the Firm.

Modification or Withdrawal - Once submitted, qualifications package cannot be altered without the prior written consent of South Coast AQMD. All qualifications packages shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the May 18, 2021 due date.

SECTION IX: EVALUATION/CONTRACTOR SELECTION CRITERIA

- A. Qualifications packages will be evaluated by a panel of three to five South Coast AQMD staff members familiar with the with the work activities and resource needs of TAO at the South Coast AQMD. The panel shall be appointed by the Executive Officer or his designee. In addition, the evaluation panel may include such outside public sector or academic community expertise as deemed desirable by the Executive Officer. The panel will make a recommendation to the Executive Officer and/or the Governing Board of South Coast AQMD for final selection of a contractor(s) and negotiation of a contract(s).
- B. Each member of the evaluation panel shall be accorded equal weight in his or her rating of qualifications packages. The evaluation panel members shall evaluate the qualifications packages according to the specified criteria and numerical weightings set forth below.

1. Evaluation Criteria

(a) Technical Criteria

Points

Technical expertise, training and education	30
Previous experience, including relevant positions held, number of years and actual work done in the selected area of expertise, evaluations conducted, papers published (if applicable), etc...	40
(b) Labor rates*	<u>30</u>
<p><i>*The labor rates will be evaluated based on the fully burdened labor rates for each proposed technical expert and the clerical/technical support. The labor rates will be compared to other Firms with qualifications in the same technical areas or with knowledge of similar work being done by other agencies, companies and/or consultants. The most competitive labor rates will be given the highest points</i></p>	
TOTAL:	100

(c) Additional Points

Small Business or Small Business Joint Venture	10
DVBE or DVBE Joint Venture	10
Use of DVBE or Small Business Subcontractors	7
Zero or Near-Zero Emission Vehicle Business	5
Local Business (Non-Federally Funded Projects Only)	5
Off-Peak Hours Delivery Business	2
Most Favored Customer	2

The cumulative points awarded for small business, DVBE, use of small business or DVBE subcontractors, Zero or Near-Zero emission vehicle business, local business, and off-peak hours delivery business shall not exceed 15 points. Most Favored Customer status incentive points shall be added, as applicable for a total of 17 points.

Self-Certification for Additional Points

The award of these additional points shall be contingent upon Proposer completing the Self-Certification section of Attachment B – Certifications and Representations and/or inclusion of a statement in the proposal self-certifying that Proposer qualifies for additional points as detailed above.

2. To receive additional points in the evaluation process for the categories of Small Business or Small Business Joint Venture, DVBE or DVBE Joint Venture or Local Business (for non-federally funded projects), the proposer must submit a self-certification at the time of proposal submission certifying that the proposer meets

the requirements set forth in Attachments A and B. To receive points for the use of DVBE and/or Small Business subcontractors, at least 25 percent of the total contract value must be subcontracted to DVBEs and/or Small Businesses. To receive points as a Zero or Near-Zero Emission Vehicle Business, the proposer must demonstrate to the Executive Officer, or designee, that supplies and materials delivered to South Coast AQMD are delivered in vehicles that operate on clean-fuels. To receive points as a Local Business, the proposer must affirm that it has an ongoing business within the South Coast AQMD at the time of bid/proposal submittal and that 90% of the work related to the contract will be performed within the South Coast AQMD. Proposals for legislative representation, such as in Sacramento, California or Washington D.C. are not eligible for local business incentive points. Federally funded projects are not eligible for local business incentive points. To receive points as an Off-Peak Hours Delivery Business, the proposer must submit, at proposal submission, certification of its commitment to delivering supplies and materials to South Coast AQMD between the hours of 10:00 a.m. and 3:00 p.m. To receive points for Most Favored Customer status, the proposer must submit, at proposal submission, certification of its commitment to provide most favored customer status to the South Coast AQMD. The cumulative points awarded for Small Business, DVBE, use of Small Business or DVBE Subcontractors, Local Business, Zero or Near-Zero Emission Vehicle Business, Off-Peak Hour Delivery Business and Most Favored Customer shall not exceed 17 points.

- C. During the selection process the evaluation panel may wish to interview some Firms for clarification purposes only. No new material will be permitted at this time. Additional information provided during the bid review process is limited to clarification by the Firm of information presented in his/her qualification package, upon request by South Coast AQMD.
- D. The Executive Officer or Governing Board may award the contract to a Firm other than the Firm receiving the highest rating in the event the Governing Board determines that another Firm from among those technically qualified would provide the best value to South Coast AQMD considering cost and technical factors. The determination shall be based solely on the Evaluation Criteria contained in the Request for Qualifications (RFQ), on evidence provided in the qualifications package and on any other evidence provided during the bid review process.
- E. Selection will be made based on the above-described criteria and rating factors. The selection will be made by and is subject to Executive Officer or Governing Board approval. Firms may be notified of the results by letter.
- F. The Governing Board has approved a Bid Protest Procedure which provides a process for a Bidder or prospective Bidder to submit a written protest to South Coast AQMD Procurement Manager in recognition of two types of protests: Protest Regarding Solicitation and Protest Regarding Award of a Contract. Copies of the Bid Protest Policy can be secured through a request to South Coast AQMD Procurement Department.

- G. The Executive Officer or Governing Board may award contracts to more than one Firm if in (his or their) sole judgment the purposes of the (contract or award) would best be served by selecting multiple Firms.
- H. If additional funds become available, the Executive Officer or Governing Board may increase the amount awarded. The Executive Officer or Governing Board may also select additional Firms for a grant or contract if additional funds become available.
- I. Disposition of Qualifications Packages – Pursuant to South Coast AQMD’s Procurement Policy and Procedure, South Coast AQMD reserves the right to reject any or all qualifications packages. All qualifications packages become the property of South Coast AQMD and are subject to the California Public Records Act. One copy of the qualifications package shall be retained for South Coast AQMD files. Additional copies and materials will be returned only if requested and at the Firm's expense.
- J. **If qualifications package submittal is for a Public Works project as defined by State of California Labor Code Section 1720, Firm is required to include Contractor Registration No. in Attachment B. Qualifications package submittal will be deemed as non-responsive and Bidder may be disqualified if Contractor Registration No. is not included in Attachment B. Firm is alerted to changes to California Prevailing Wage compliance requirements as defined in Senate Bill 854 (Stat. 2014, Chapter 28), and California Labor Code Sections 1770, 1771, 1725, 1777, 1813 and 1815.**

SECTION X: FUNDING

Multiple awards are anticipated from this RFQ. Due to the indefinite nature of the work, the actual contract amounts cannot be determined at this time for the contracts involving RDD&D, and the total amount of funding to be recommended for the Board’s consideration for each contract will be dependent upon the consultant's qualifications and TAO needs. Contract(s) for technical assistance for the incentive programs will not exceed \$400,000.

SECTION XI: SAMPLE CONTRACT

A sample contract to carry out the work described in this RFQ is available on South Coast AQMD’s website at <http://www.aqmd.gov/grants-bids> or upon request from the RFQ Contact Person (Section II).

ATTACHMENT A

PARTICIPATION IN THE PROCUREMENT PROCESS

A. It is the policy of South Coast Air Quality Management District (South Coast AQMD) to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in South Coast AQMD contracts.

B. Definitions:

The definition of minority, women or disadvantaged business enterprises set forth below is included for purposes of determining compliance with the affirmative steps requirement described in Paragraph G below on procurements funded in whole or in part with federal grant funds which involve the use of subcontractors. The definition provided for disabled veteran business enterprise, local business, small business enterprise, Zero or Near-Zero emission vehicle business and off-peak hours delivery business are provided for purposes of determining eligibility for point or cost considerations in the evaluation process.

1. "Women business enterprise" (WBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. a business that is at least 51 percent owned by one or more women, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
 - b. a business whose management and daily business operations are controlled by one or more women.
 - c. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
2. "Disabled veteran" as used in this policy is a United States military, naval, or air service veteran with at least 10 percent service-connected disability who is a resident of California.
3. "Disabled veteran business enterprise" (DVBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. is a sole proprietorship or partnership of which at least 51 percent is owned by one or more disabled veterans or, in the case of a publicly owned business, at least 51 percent of its stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.

- b. the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
 - c. is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.
4. "Local business" as used in this policy means a company that has an ongoing business within geographical boundaries of South Coast AQMD at the time of bid or proposal submittal and performs 90% of the work related to the contract within the geographical boundaries of South Coast AQMD and satisfies the requirements of subparagraph H below. Proposals for legislative representation, such as in Sacramento, California or Washington D.C. are not eligible for local business incentive points.
5. "Small business" as used in this policy means a business that meets the following criteria:
 - a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
 - b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 and 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.
6. "Joint ventures" as defined in this policy pertaining to certification means that one party to the joint venture is a DVBE or small business and owns at least 51 percent of the joint venture.
7. "Zero or Near-Zero Emission Vehicle Business" as used in this policy means a company or contractor that uses Zero or Near-Zero emission vehicles in conducting deliveries to South Coast AQMD. Zero or Near-Zero emission vehicles include vehicles powered by electric, compressed natural gas (CNG), liquefied natural gas (LNG), liquefied petroleum gas (LPG), ethanol, methanol and hydrogen and are certified to 90% or lower of the existing standard.

8. "Off-Peak Hours Delivery Business" as used in this policy means a company or contractor that commits to conducting deliveries to South Coast AQMD during off-peak traffic hours defined as between 10:00 a.m. and 3:00 p.m.
 9. "Benefits Incentive Business" as used in this policy means a company or contractor that provides janitorial, security guard or landscaping services to South Coast AQMD and commits to providing employee health benefits (as defined below in Section VIII.D.2.d) for full time workers with affordable deductible and co-payment terms.
 10. "Minority Business Enterprise" as used in this policy means a business that is at least 51 percent owned by one or more minority person(s), or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more or minority persons.
 - a. a business whose management and daily business operations are controlled by one or more minority persons.
 - b. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
 - c. "Minority person" for purposes of this policy, means a Black American, Hispanic American, Native-American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian (including a person whose origins are from India, Pakistan, and Bangladesh), Asian-Pacific-American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, and Taiwan).
 11. "Most Favored Customer" as used in this policy means that the South Coast AQMD will receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services.
 12. "Disadvantaged Business Enterprise" as used in this policy means a business that is an entity owned and/or controlled by a socially and economically disadvantaged individual(s) as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d)(8% statute), respectively;
 - a Small Business Enterprise (SBE);
 - a Small Business in a Rural Area (SBRA);
 - a Labor Surplus Area Firm (LSAF); or
 - a Historically Underutilized Business (HUB) Zone Small Business Concern, or a concern under a successor program.
- C. Under Request for Quotations (RFQ), DVBEs, DVBE business joint ventures, small businesses, and small business joint ventures shall be granted a preference in an amount equal to 5% of the lowest cost responsive bid. Zero or Near-Zero Emission Vehicle Businesses shall be granted a preference in an amount equal to 5 percent of the lowest cost responsive bid. Off-Peak Hours Delivery Businesses shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid. Local businesses (if the

procurement is not funded in whole or in part by federal grant funds) shall be granted a preference in an amount equal to 2% of the lowest cost responsive bid. Businesses offering Most Favored Customer status shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid.

- D. Under Request for Proposals, DVBEs, DVBE joint ventures, small businesses, and small business joint ventures shall be awarded ten (10) points in the evaluation process. A non-DVBE or large business shall receive seven (7) points for subcontracting at least twenty-five (25%) of the total contract value to a DVBE and/or small business. Zero or Near-Zero Emission Vehicle Businesses shall be awarded five (5) points in the evaluation process. On procurements which are not funded in whole or in part by federal grant funds local businesses shall receive five (5) points. Off-Peak Hours Delivery Businesses shall be awarded two (2) points in the evaluation process. Businesses offering Most Favored Customer status shall be awarded two (2) points in the evaluation process.
- E. South Coast AQMD will ensure that discrimination in the award and performance of contracts does not occur on the basis of race, color, sex, national origin, marital status, sexual preference, creed, ancestry, medical condition, or retaliation for having filed a discrimination complaint in the performance of South Coast AQMD contractual obligations.
- F. South Coast AQMD requires Contractor to be in compliance with all state and federal laws and regulations with respect to its employees throughout the term of any awarded contract, including state minimum wage laws and OSHA requirements.
- G. When contracts are funded in whole or in part by federal funds, and if subcontracts are to be let, the Contractor must comply with the following, evidencing a good faith effort to solicit disadvantaged businesses. Contractor shall submit a certification signed by an authorized official affirming its status as a MBE or WBE, as applicable, at the time of contract execution. South Coast AQMD reserves the right to request documentation demonstrating compliance with the following good faith efforts prior to contract execution.
 - 1. Ensure Disadvantaged Business Enterprises (DBEs) are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
 - 2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
 - 3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and Local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
 - 4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.

5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
 6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.
- H. To the extent that any conflict exists between this policy and any requirements imposed by federal and state law relating to participation in a contract by a certified MBE/WBE/DVBE as a condition of receipt of federal or state funds, the federal or state requirements shall prevail.
- I. When contracts are not funded in whole or in part by federal grant funds, a local business preference will be awarded. For such contracts that involve the purchase of commercial off-the-shelf products, local business preference will be given to suppliers or distributors of commercial off-the-shelf products who maintain an ongoing business within the geographical boundaries of South Coast AQMD. However, if the subject matter of the RFP or RFQ calls for the fabrication or manufacture of custom products, only companies performing 90% of the manufacturing or fabrication effort within the geographical boundaries of South Coast AQMD shall be entitled to the local business preference. Proposals for legislative representation, such as in Sacramento, California or Washington D.C. are not eligible for local business incentive points.
- J. In compliance with federal fair share requirements set forth in 40 CFR Part 33, South Coast AQMD shall establish a fair share goal annually for expenditures with federal funds covered by its procurement policy.

ATTACHMENT B



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear South Coast AQMD Contractor/Supplier:

South Coast Air Quality Management District (South Coast AQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, remember to sign all documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Sujata Jain
Chief Financial Officer

DH;jn

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization

REV 1/21



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

BUSINESS STATUS CERTIFICATIONS

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to South Coast AQMD, _____ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, as applicable, in accordance with South Coast AQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | <input type="checkbox"/> Most Favored Customer Pricing Certification |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

State of California Public Works Contractor Registration No. _____ . MUST BE INCLUDED IF BID PROPOSAL IS FOR PUBLIC WORKS PROJECT.

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of South Coast AQMD at the time of bid application.
- performs 90 percent of the work within South Coast AQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

“Minority” person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - **A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or**
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

Most Favored Customer as used in this policy means that the South Coast AQMD will receive at least as favorable pricing, warranties, conditions, benefits and terms as other customers or clients making similar purchases or receiving similar services.

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.</p> <p>2 Business name/disregarded entity name, if different from above</p> <p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p><input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate</p> <p><input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____</p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p><input type="checkbox"/> Other (see instructions) ▶ _____</p> <p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p style="text-align: right;"><small>(Applies to accounts maintained outside the U.S.)</small></p> <p>5 Address (number, street, and apt. or suite no.) See instructions. Requester's name and address (optional)</p> <p>6 City, state, and ZIP code</p> <p>7 List account number(s) here (optional)</p>
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Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number					
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or					
Employer identification number					
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 25%; height: 20px;"></td> <td style="border: 1px solid black; width: 25%; height: 20px;"></td> <td style="border: 1px solid black; width: 25%; height: 20px;"></td> <td style="border: 1px solid black; width: 25%; height: 20px;"></td> </tr> </table>					-

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification Instructions. You must cross out Item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, Item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶ _____	Date ▶ _____
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)
 - Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.
 - If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China Income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor ²
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
6. Sole proprietorship or disregarded entity owned by an individual	The owner ³
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor ⁴
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity ⁴
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

***Note:** The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Visit www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2021 Withholding Exemption Certificate**590**

The payee completes this form and submits it to the withholding agent. The withholding agent keeps this form with their records.

Withholding Agent Information

Name

Payee Information

Name

 SSN or ITIN FEIN CA Corp no. CA SOS file no.

Address (apt./ste., room, PO box, or PMB no.)

City (If you have a foreign address, see instructions.)

State ZIP code

Exemption Reason**Check only one box.**

By checking the appropriate box below, the payee certifies the reason for the exemption from the California income tax withholding requirements on payment(s) made to the entity or individual.

 Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 Corporations:

The corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information D, Definitions.

 Partnerships or Limited Liability Companies (LLCs):

The partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

 Tax-Exempt Entities:

The entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 (insert letter) or Internal Revenue Code Section 501(c) (insert number). If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

 Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit-Sharing Plans:

The entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

 California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return. If the trustee or noncontingent beneficiary becomes a nonresident at any time, I will promptly notify the withholding agent.

 Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate or trust. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return.

 Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE OF PAYEE: Payee must complete and sign below.To learn about your privacy rights, how we may use your information, and the consequences for not providing the requested information, go to ftb.ca.gov/forms and search for **1131**. To request this notice by mail, call 800.852.5711.

Under penalties of perjury, I declare that I have examined the information on this form, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. I further declare under penalties of perjury that if the facts upon which this form are based change, I will promptly notify the withholding agent.

Type or print payee's name and title

Telephone

Payee's signature ▶

Date

2021 Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

California Revenue and Taxation Code (R&TC) Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California. For more information, See General Information B, Income Subject to Withholding.

Registered Domestic Partners (RDPs) – For purposes of California income tax, references to a spouse, husband, or wife also refer to a California RDP unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding.

Form 590 does not apply to payments of backup withholding. For more information, go to ftb.ca.gov and search for **backup withholding**.

Form 590 does not apply to payments for wages to employees. Wage withholding is administered by the California Employment Development Department (EDD). For more information, go to edd.ca.gov or call 888.745.3886.

Do not use Form 590 to certify an exemption from withholding if you are a **seller of California real estate**. Sellers of California real estate use Form 593, Real Estate Withholding Statement, to claim an exemption from the real estate withholding requirement.

The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities.
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities.
- A foreign government or any of its political subdivisions, agencies, or instrumentalities.

B Income Subject to Withholding

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident partners, members, and S corporation shareholders and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties from activities sourced to California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Endorsement payments received for services performed in California.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding, get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication, see Additional Information.

C Who Certifies this Form

Form 590 is certified (completed and signed) by the payee. California residents or entities exempt from the withholding requirement should complete Form 590 and submit it to the withholding agent before payment is made. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless notified by the Franchise Tax Board (FTB) that the form should not be relied upon.

An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed exemption certificate, the withholding agent may accept a letter from the payee as a substitute explaining why they are not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number (TIN).

The certification does not need to be renewed annually. The certification on Form 590 remains valid until the payee's status changes. The withholding agent must retain a copy of the certification or substitute for at least five years after the last payment to which the certification applies. The agent must provide it to the FTB upon request.

If an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided. **Do not** submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes. Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled "Individuals — Certification of Residency."

D Definitions

For California nonwage withholding purposes:

- Nonresident includes all of the following:
 - Individuals who are not residents of California.
 - Corporations not qualified through the California Secretary of State (CA SOS) to do business in California or having no permanent place of business in California.
 - Partnerships or limited liability companies (LLCs) with no permanent place of business in California.
 - Any trust without a resident grantor, beneficiary, or trustee, or estates where the decedent was not a California resident.
- Foreign refers to non-U.S.

For more information about determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status. Military servicemembers have special rules for residency. For more information see General Information E, Military Spouse Residency Relief Act (MSRRA), and FTB Pub. 1032, Tax Information for Military Personnel.

Permanent Place of Business:

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or it has qualified through the CA SOS to transact intrastate business. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home.
- To which you intend to return whenever you are absent.

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRR.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRR requirements, get FTB Pub. 1032.

Specific Instructions

Payee Instructions

Enter the withholding agent's name.

Enter the payee's information, including the TIN and check the appropriate TIN box.

You must provide a valid TIN as requested on this form. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp no.); or CA SOS file number.

Private Mail Box (PMB) – Include the PMB in the address field. Write "PMB" first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Follow the country's practice for entering the city, county, province, state, country, and postal code, as applicable, in the appropriate boxes. Do not abbreviate the country name.

Exemption Reason – Check the box that reflects the reason why the payee is exempt from the California income tax withholding requirement.

Withholding Agent Instructions

Do not send this form to the FTB. The certification on Form 590 remains valid until the payee's status changes. The withholding agent must retain a copy of the certificate or substitute for at least five years after the last payment to which the certificate applies. The agent must provide it to the FTB upon request.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

If any of these situations occur, then withholding may be required. For more information, get Form 592, Resident and Nonresident Withholding Statement, Form 592-B, Resident and Nonresident Withholding Tax Statement, Form 592-PTE, Pass-Through Entity Annual Withholding Return, Form 592-Q, Payment Voucher for Pass-Through Entity Withholding, and Form 592-V, Payment Voucher for Resident or Nonresident Withholding.

Additional Information

Website: For more information, go to ftb.ca.gov and search for **nonwage**.

MyFTB offers secure online tax account information and services. For more information, go to ftb.ca.gov and login or register for **MyFTB**.

Telephone: 888.792.4900 or 916.845.4900, Withholding Services and Compliance phone service

Fax: 916.845.9512

Mail: WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

For questions unrelated to withholding, or to download, view, and print California tax forms and publications, or to access the TTY/TDD numbers, see the Internet and Telephone Assistance section.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech disability
711 or 800.735.2929 California relay service

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 para personas con discapacidades auditivas o del habla
711 ó 800.735.2929 servicio de relevo de California

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (South Coast AQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to South Coast AQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before South Coast AQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, South Coast AQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current South Coast AQMD Governing Board Members can be found at South Coast AQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

DBA, Name _____, County Filed in _____ Corporation, ID No. _____ LLC/LLP, ID No. _____
--

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No **If YES, complete Section II below and then sign and date the form. If NO, sign and date below. Include this form with your submittal.**

Campaign Contributions Disclosure, *continued:*

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (South Coast AQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by South Coast AQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to South Coast AQMD for distribution. This will delay my payment.
- This authorization remains in effect until South Coast AQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless South Coast AQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution				
	Account Holder Name(s)				
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking		Account Number	Routing Number	
	Bank Representative Printed Name		Bank Representative Signature		Date
	ACCOUNT HOLDER SIGNATURE:			Date	

For South Coast AQMD Use Only

Input By

Date

Agenda Item #1

Arnold Peneda

Issue RFQ for Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts

Background

- Technology Demonstration
 - \$12M annually
 - > 100 active contracts
 - Expert input and assistance needed
- Incentive Programs, including but not limited to:
 - Carl Moyer Program
 - Proposition 1B - Goods Movement Emissions Reduction Program
 - AB 617 Community Air Protection Program Incentives
 - > 1,500 active contracts, \$200 million in total funding per year
 - Support needed to implement these funding programs



Demonstration: Areas of Expertise Requested

- Mobile applications – Low and zero emissions technologies
- Fuels - Processing, reformulation and emissions analyses
- Stationary applications - Advanced combustion and renewables
- Emissions and analyses - In-use measurements and health analyses
- Outreach - Latest technological advancements
- Financial analyst services - financial studies and cost analyses



Implementation: Areas of Expertise Requested

- Technical evaluation of mobile source projects
- CARB mobile source rules and regulations
- CARB incentive program and guideline requirements
- Surplus emission reductions and cost effectiveness calculations
- Emissions inventory for on-road and off-road equipment
- Outreach and other support activities



Proposed Schedule

Event	Date
Release RFQ	April 2, 2021
Proposal Due Date	May 18, 2021
Board Approval*	August 6, 2021

Anticipation of multiple awards in different areas

*Only Required for RDD&D Program

Recommended Actions

1. Issue RFQ #Q2021-06 for Technical Assistance to Support South Coast AQMD's Technology Advancement Activities and Implementation Efforts
2. Authorize the Executive Officer to execute contract(s) with selected consultants and/or consulting firms to provide technical assistance with implementation of the 2021 Carl Moyer Program in an amount not to exceed \$400,000 using up to \$200,000 each in administrative funds from the Carl Moyer Program Fund (32) and the Community Air Protection Program Fund (77)

Technology Committee Agenda #2

BOARD MEETING DATE April 2, 2021

AGENDA NO.

PROPOSAL: Amend Contract for Development of Battery Powered Locomotive Project

SYNOPSIS: In June 2016, the Board approved a contract with VeRail Technologies (VeRail) to develop a natural gas locomotive using U.S. EPA Clean Air Technology Initiative (CATI) funds. VeRail has since dissolved leaving \$90,825 in CATI funds unused. Subsequently, in 2017, the Board approved \$210,000 in CATI funds for a project with Rail Propulsion Systems (RPS) to develop a battery powered switcher locomotive. The U.S. EPA has since approved the reallocation of unused funds towards further enhancements to the RPS project. This action is to amend the contract with RPS to further the development of a battery electric switcher locomotive in an amount not to exceed \$90,825 of unused U.S. EPA CATI funds from the Clean Fuels Program Fund (31).

COMMITTEE: Technology, March 16, 2021; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Executive Officer to amend the RPS contract to further enhance the battery electric switcher locomotive project to add \$90,825 of unused U.S. EPA CATI funds from the Clean Fuels Program Fund (31).

Wayne Natri
Executive Officer

MMM:NB:JI:JL

Background

The Clean Air Technology Initiative (CATI) fund was established by the U.S. EPA, CARB, San Joaquin Valley Air Pollution Control District and South Coast AQMD to identify and implement emission reduction projects where residents are disproportionately affected by emissions of diesel exhaust from the goods movement corridors and from diesel activities at the Ports, warehouses and rail yards.

In June 2016, the Board recognized \$500,000 in CATI funds into the Clean Fuels Program Fund for a \$5.1 million project with VeRail technologies for development and demonstration of an ultra-low emission natural gas switcher locomotive. In 2019, VeRail dissolved as an entity and the technology was divided among other industrial ventures outside of the rail project, with remaining \$90,825 of CATI funds. In 2017, the Board recognized \$500,000 into the Clean Fuels Program Fund for two projects under the CATI-FY-2017 grant program. \$210,000 of the CATI-FY-17 funds was awarded to RPS for the development of a battery powered switcher locomotive.

RPS is a leading contributor to the proof of concept battery electric locomotive project technology. RPS has developed and is currently demonstrating the zero emission switcher locomotive in Anaheim, with project partners Coast Rail Services, EV Grid, VACON and Tractive Power to demonstrate this technology. The initial demonstration is nearly complete, highlighting the need for battery and controller enhancements to bring it closer to commercial use.

As a result of the discontinued project listed above, there is currently \$90,825 total remaining CATI funds, with U.S. EPA concurrence to reallocate the remaining funds to upgrade the RPS zero emission switcher locomotive.

Proposal

For the proposed project, with additional funding of \$90,825 from unused CATI funds, RPS plans the following: 1) upgrade the controls for in service Federal Railroad Administration requirements; 2) modify and add additional battery pack and rack system as well as electronic control systems; and 3) continue validation and durability testing to confirm the robustness of their design.

The optimized battery electric locomotive will replace an unregulated diesel locomotive in a typical switcher operation at the Coast Rail Services rail yard in Anaheim California.

Sole Source Justification

Section VIII.B.3 of the Procurement Policy and Procedure identifies four provisions by which sole source awards may be justified when contracts are funded in whole or in part by federal funds. This award is made under provision B.3.c: The awarding federal agency authorizes noncompetition proposals. U.S. EPA deemed the proposed award to RPS to be a sub-award and does not require a competitive solicitation.

Benefits to South Coast AQMD

The proposed project supports the implementation of zero emission off-road technology that will directly reduce NOx emissions from switcher locomotives. In addition, the

development and successful deployment of these zero emission switcher locomotives will promote their acceptance by railroads and facilitate their deployment at rail yards in the South Coast Air Basin, as well as assist the South Coast AQMD to attain its clean air goals. The project is included in the *Technology Advancement Office Clean Fuels Program 2019 Plan Update* under the categories “Electric/Hybrid Technologies & Infrastructure” and “Emission Control Technologies”.

Resource Impacts

The contract with RPS will be amended upon approval of up to \$90,825 in unused U.S. EPA CATI funds. Total project cost will be revised to \$1,097,825 as detailed in the table below.

Funding Source	Original Funding Amount	Additional Funding	Total Project Amount
U.S. EPA	\$210,000	\$90,825	\$300,825
Rail Propulsion Systems <i>(in-kind)</i>	\$715,000	\$82,000	\$797,000
Total	\$925,000	\$172,825	\$1,097,825

Sufficient funds are available from the Clean Fuels Program Fund (31), established as a special revenue fund resulting from the state-mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

Agenda Item #2

Joseph Lopat

Amend Contract for Development of Battery
Powered Locomotive Project

Background

- In June 2016, the Board approved a contract with VeRail Technologies (VeRail) to develop a natural gas-powered switcher locomotive using U.S. EPA Clean Air Technology Initiative (CATI) funds. VeRail has since dissolved leaving \$90,825 in CATI funds unused
- In July 2017, the Board recognized \$500,000 in CATI funds of which \$210,000 was approved for a project with Rail Propulsion Systems (RPS) to develop and demonstrate a battery powered switcher locomotive



Proposal

- Reallocate \$90,825 in CATI funds towards the existing RPS battery electric switcher locomotive project
- RPS will upgrade control systems and hardware on existing switcher locomotive per FRA requirements
- RPS will demonstrate the battery locomotive in place of a diesel locomotive in Coast Rail Services yard



Proposed Funding

Funding Source	Original Funding Amount	Additional Funding	Total Project Amount
U.S. EPA	\$210,000	\$90,825	\$300,825
Rail Propulsion Systems (in-kind)	\$715,000	\$82,000	\$797,000
Total	\$925,000	\$172,825	\$1,097,825

Recommended Action

Authorize the Executive Officer to approve reallocation of EPA funds and amend contract with Rail Propulsion Systems to further develop for revenue service a zero emission, battery electric switcher locomotive in an amount not to exceed \$90,825 from the Clean Fuels Program Fund (31)