



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

Updated: January 27, 2020

Request for Qualifications# 2019-021

**Online Permit System  
Software Development Services**

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**SECTION I – SUMMARY**

In carrying out its mission to improve air quality in the San Francisco Bay Area, the Bay Area Air Quality Management District (Air District) seeks to retain the services of information technology professional services providers to support ongoing application development requirements. Through this Request for Qualifications (RFQ), the Air District expects to enter into master service agreements with one or more firms to provide; business analysis, user experience, product design, development, and quality assurance services through time and materials-based task orders.

To respond to this RFQ, an interested firm should submit an electronic copy (in Adobe Acrobat PDF file format) of its statement of qualifications to the Air District’s Procurement Portal (Portal):

Cynthia Zhang, Staff Specialist  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600; San Francisco, CA 94105  
Portal link: <https://baaqmd.bonfirehub.com>

**Statements of qualifications must be submitted and received by  
4:00 p.m. on Monday, February 10, 2020.  
Late submissions will not be considered.**

Statements of qualifications must address all information requested in this RFQ. A statement may add information not requested in this RFQ, but the information should be in addition to, not instead of, the requested information and format. Minority business

enterprises, women’s business enterprises, veteran’s business enterprises, and Certified Green Businesses are encouraged to submit statements of qualifications. **Any questions regarding this RFQ should be submitted through the Portal.**

## SECTION II – BACKGROUND

### A. Air District Overview

The Air District was created by the California Legislature in 1955 as the first regional agency to deal with air pollution in California. The Air District jurisdiction includes Alameda, Contra Costa, Marin, Napa, Santa Clara, San Francisco, San Mateo, southwestern Solano, and southern Sonoma counties.

The State Legislature originally gave the Air District the authority to regulate stationary sources of air pollution, such as factories, oil refineries, chemical plants, gasoline stations, and agricultural burning. With more recent legislation, the Air District was granted authority to enact certain transportation and mobile source measures.

The Air District is governed by a twenty-four member Board of Directors, consisting of elected officials, including county supervisors, mayors, and city council members. The Executive Officer / Air Pollution Control Officer for the Air District is Jack P. Broadbent.

### B. Web Software Development and Data Management Services

The goal of this RFQ is to identify qualified contractor(s) to seamlessly integrate with the Air District’s existing Agile/Scrum team made up of: a certified scrum master, a product owner, subject matter experts, business analysts, quality assurance engineers, user experience designer, front and back-end developers, a database administrator and analyst as well as a legacy systems operations team. The successful contractor(s) would provide the following software architecture and implementation resource(s) for ongoing web software development projects including:

Professional Services Categories	
<b>Software Development Services</b>	
<ul style="list-style-type: none"><li>○ .NET Core on Azure Cloud</li><li>○ JavaScript frameworks such as Angular, Express, Redux and jQuery</li><li>○ CosmosDB / NoSQL</li><li>○ API development and NuGet packages</li><li>○ Extract, Transform and Load (ETL)</li></ul>	<ul style="list-style-type: none"><li>○ HTML, CSS, and related web technologies</li><li>○ Git source code management</li><li>○ SQL Server stored procedures</li><li>○ Visual Studio Integrated Development Environment 2019</li></ul>
<b>Software Quality Assurance</b>	
<ul style="list-style-type: none"><li>○ Creation of test scenarios</li><li>○ Test case writing and execution</li></ul>	<ul style="list-style-type: none"><li>○ Software defect tracking</li><li>○ Regression test plans</li></ul>
<b>Software Design Services</b>	
<ul style="list-style-type: none"><li>○ Develop and prioritize Epics and Features</li><li>○ Develop user stories including acceptance criteria</li></ul>	<ul style="list-style-type: none"><li>○ Effective written and verbal communication with all team members</li></ul>

○ Coordinate subject matter experts	○ Coordination of user acceptance testing
<b>Web Content Management Customization Services</b>	
○ Sitecore web content management	○ Twilio cloud communications API
○ Sitecore microsite development	○ Salesforce marketing cloud
○ SendGrid cloud email management	○ Claytablet SDK
○ WCAG / 508 compliance	○ Mapbox SDK
○ Secure Sockets Layer (SSL) Management	○ OnBase records management
○ Granicus video integration	○ Really Simple Syndication (RSS)
<i>Note: Azure DevOps is required to track and coordinate activities including: Epics, Features, User Stories, Tasks, Bugs, Automation and source code control.</i>	

Through this RFQ, the Air District seeks to select one or more firms to provide software development support services for the online air permit, enforcement and web systems. The selected firm(s) will work with the Air District's My Air Online division.

### SECTION III – GENERAL DESCRIPTION OF SERVICES

The Air District requires professional services support (i.e. business analysis, user experience design, software development, web content system customization, and quality assurance) to collaborate with the Air District's existing team to support the continued evolution of the online permit and enforcement system. The team currently is responsible for user story creation including all subject matter expert coordination, design documents, interface development, data management, test case execution, regression testing and user acceptance testing. Prospective contractors are encouraged to submit qualifications for *one or more* professional service categories.

Software developers can work remotely as part of the agile/scrum team following a 6-week production cycle release schedule made up of three 2-week sprints. All other team roles will be required to work on-site. All team members will be expected to attend daily 15-minute scrum either in-person or via video conference at 0930 Pacific Time as well as well as 15-minute bug scrubs at 0945 Pacific Time. Project deliverables are due to be checked into the source code repository frequently but at a minimum prior to Tuesday and Thursday builds. Team members will also be expected to participate in sprint reviews which occur every 2-weeks where all stakeholders are assembled to provide feedback on a demonstration of the sprint's minimum viable product. All team members participate in sprint planning every 2-weeks where all user stories will be prioritized, assigned and story points allocated. Finally, a release cycle retrospective will occur with all team members every 6-weeks to discuss challenges and potential improvements.

For resource allocation purposes, responders should assume full time equivalents for a 12-month period beginning from notice to proceed.

The current Product Backlog has been prioritized into the following epics:

- |                               |                                              |
|-------------------------------|----------------------------------------------|
| 1. Fee schedules              | 15. Emissions banking / offsets              |
| 2. Emission calculations      | 16. Continuous monitoring data               |
| 3. Legacy ETL enhancements    | 17. Condition manager                        |
| 4. Financial Integration      | 18. Authority to construct                   |
| 5. Invoice generation         | 19. Validation                               |
| 6. Permit generation          | 20. Facility Manager / transfer of ownership |
| 7. Permit applications        | 21. Notice to comply                         |
| 8. Startups and shutdowns     | 22. Notice of Violation                      |
| 9. Data forms                 | 23. Mutual settlement                        |
| 10. Emission trains           | 24. Radio telephone operators                |
| 11. Cumulative Increases      | 25. Complaints                               |
| 12. Source modification       | 26. Stipulated abatement orders              |
| 13. Toxics                    | 27. Reportable compliance activities         |
| 14. Scenario manager refactor | 28. Asbestos customer interface refactor     |

## SECTION IV – SUBMISSION REQUIREMENTS

### A. General

1. Interested firms must create an account through the Portal described on pg. 1 of this RFQ to view RFQ documents and addenda, and to submit questions and bid documents.
2. All statements of qualifications must be made in accordance with the conditions of this RFQ. Failure to address any of the requirements is grounds for rejection of this submission.
2. All information should be complete, specific, and as concise as possible.
3. Statements of qualifications should include any additional information that the respondent deems pertinent to the understanding and evaluation of the submittal.
4. The Air District may modify the RFQ or issue supplementary information or guidelines during the submission preparation period prior to the due date. Please check the [Portal](#) for updates prior to the due date.
5. The Air District reserves the right to reject any and all submissions and/or request additional information.
6. All questions must be in written form and submitted through the Portal no later than **4:00 p.m. on Monday, January 6, 2020**. Firms will not be able to submit questions after this time. All questions will be answered in writing and posted on the [Portal](#) by **6:00 p.m. on Monday, January 13, 2020**.
7. The cost for developing the statement of qualifications is the responsibility of the responding firm, and shall not be chargeable to the Air District.

8. A firm's selection and the execution of a contract with the Air District does not guarantee any particular amount of work.

#### **B. Submittal of Statements of Qualifications**

All statements of qualifications must be submitted according to the specifications set forth in Section V (A) – Contents of Statement of Qualifications, and this section. Failure to adhere to these specifications may be cause for the rejection of the submission.

1. Due Date – All statements of qualifications are due no later than **4:00 p.m., February 10, 2020** and should be submitted via the Portal to:

Cynthia Zhang, Staff Specialist  
Bay Area Air Quality Management District  
375 Beale Street, Suite 600; San Francisco, CA 94105  
Portal link: <https://baaqmd.bonfirehub.com>

2. Uploading large documents may take significant time, depending on the size of the file(s) and Internet connection speed. Bidders should plan sufficient time before the due date to begin the uploading process and to finalize their submissions. Bidders will not be able to submit documents after the due date and time. Statements of qualifications received after the date and time previously specified will not be considered.
3. Signature – All statements of qualifications should be signed by an authorized representative of the responding firm.
4. Submittal – Submit an electronic copy (in Adobe Acrobat PDF file format). Electronic submissions submitted via the Portal will be acknowledged with a confirmation email receipt. Late proposals will not be accepted. Any correction or re-submission of proposals will not extend the submittal due date.
5. Grounds for Rejection – A statement of qualifications may be immediately rejected at any time if it arrives after the deadline, or is not in the prescribed format, or is not signed by an individual authorized to represent the firm.
6. Disposition of the Submissions – All responses to this RFQ become property of the Air District and will be kept confidential until a recommendation for award of a contract has been announced. Thereafter, submittals are subject to public inspection and disclosure under the California Public Records Act. If a respondent believes that any portion of its submittal is exempt from public disclosure, it may mark that portion “confidential.” The Air District will use reasonable means to ensure that such confidential information is safeguarded, but will not be held liable for inadvertent disclosure of the information. Statements of Qualifications marked “confidential” in their entirety will not be honored, and the Air District will not deny public disclosure of any portion of submittals so marked.

By submitting a statement of qualifications with portions marked “confidential,” a respondent represents it has a good faith belief that such portions are exempt from disclosure under the California Public Records Act and agrees to

reimburse the Air District for, and to indemnify, defend, and hold harmless the Air District, its officers, employees, and agents, from and against any and all claims, damages, losses, liabilities, suits, judgments, fines, penalties, costs, and expenses, including without limitation, attorneys' fees, expenses, and court costs of any nature whatsoever, arising from or relating to the Air District's non-disclosure of any such designated portions of a statement of qualifications.

**C. Interviews**

1. The Air District, at its option, may interview firms that respond to this RFQ. The interviews will be for the purpose of clarifying the statement of qualifications.
2. Submittal of new materials at an interview will not be permitted.
3. Interviews may involve a presentation and/or a question-and-answer session.

**SECTION V – SUBMISSION CONTENTS**

**A. Contents of Statement of Qualifications**

Submitted statements of qualifications should follow the format outlined below and include all requested information. Please number your responses exactly as the items are presented here, and limit to 10 one-sided pages, except work samples and references, which should be included in a separate appendix.

1. Experience, Structure, Personnel
  - a. Firm Contact Information – Provide the following information about the firm:
    - Address and telephone number of office nearest to San Francisco, California and the address and phone number of the office that each of the proposed staff members are based out of if different.
    - Name of firm's representative designated as the contact and email address
    - Name of project manager, if different from the individual designated as the contact
  - b. Firm History – Provide a history of your firm's experience in providing services similar to those sought through this RFQ, including any services provided to governmental organizations. Provide references for any similar projects listed, including contact name, title, and telephone number. Describe the technical capabilities of the firm in all areas relevant to the services sought through this RFQ.
  - c. Assigned Personnel – List all key personnel who would be assigned to Air District projects by name and role. Provide descriptions of education and training, along with a summary of experience in providing services similar to those sought through this RFQ. Background descriptions can be a resume, CV, or summary sheet. Note that the standard Air District contract will not permit substitution of project manager or staff without prior written

approval of the Air District's assigned program manager.

- d. Work Samples (Does not count against 10-page limit) – Samples of up to 5 major projects that the firm has completed in the areas sought through this RFQ. Include the client, the name of a contact person who is able to provide a reference, a description of the nature of the work, and the size and complexity of the project.
- e. Subcontractors – List any subcontractors that will be used and the work to be performed by them.
- f. Conflict of Interest – Address possible conflicts of interest or appearance of impropriety regarding other clients of the firm that could be created by providing services to the Air District. Describe procedures to be followed to detect and resolve any conflict of interest or appearance of impropriety. The Air District reserves the right to consider the nature and extent of such work in evaluating the statement of qualifications.
- g. Additional Information – Provide any other information that the firm wishes the Air District to consider in evaluating the submission.

2. Fee Information (Does not count against 10-page limit)

- a. The normal hourly rate of each principal and staff member whose resume is provided or whose job category may be required, and the rate that would be charged to the Air District.
- b. A list of anticipated reimbursable expenses, such as expenses for presentation materials, supplies, deliveries, B/W and color printouts and copies, faxes, photo scans and travel, copywriting and copyediting services and the rate charged for each.
- c. Any reduced fees offered to other municipalities, governmental entities, economic development or nonprofit organizations, and civic organizations.
- d. Any other fees or charges.

## **SECTION VI – QUALIFICATIONS EVALUATION**

A panel of community members and Air District staff will evaluate all statements of qualifications. The panel will recommend the selection of one or more contractors to the Air Pollution Control Officer (APCO), who will, in turn, make a recommendation to the Air District Board of Directors. The Air District Board of Directors may need to approve the contract to carry out the work described in this RFQ. An example of a typical contract for professional services used by the Air District is included in Section VII.

In evaluating statements of qualifications submitted pursuant to this request, the Air District places high value on the following factors, not necessarily in order of importance:

- Approaches in methodology with respect to the anticipated scope of services that demonstrate maximum comprehension of and ability to provide such services to the Air District.
- Experience of firm and employees to be assigned to an Air District project in general, and in particular, providing software development services and materials to governmental agencies.
- Quality and diversity of work product as demonstrated through submitted work samples.
- Demonstrated knowledge of Air District business requirements.
- Experience of the firm with comparable organizations and types of services.
- Innovative or outstanding work by firm that demonstrates the firm's unique, creative qualifications to provide software development services.
- Number, complexity, and nature of software development projects handled by the firm.
- Selected firm's staff ability, availability and facility for working with Air District directors, officers, staff and consultants.
- Conformity with applicable Air District policies as noted herein.
- Proposed fee structure relating to services the firm(s) would provide.

## **SECTION VII – SAMPLE CONTRACT**

A sample contract to carry out the work described in this RFQ is available on the Air District's website, [here](#). (Click the + to the left of Sample Contracts, and then click on the Master Services Contract link)