



PACIFIC STATES MARINE FISHERIES COMMISSION

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2024 Data Management Systems Support, Development, Analytics, and Reporting 06/05/2024

1. What is your anticipated budget for this work?

A: The budget for this Project depends on several factors, including the scope of work, the resources required, and the timeline. This RFP would include multiple projects and funding sources over five years. Funding is allocated on an annual basis and generally starts July 1. An estimate for the period beginning July 1, 2024, is at least \$200K.

2. Can we deliver these services from our offshore location to leverage lower project costs?

A: We are funded through federal grants that prohibit us from using offshore resources. We could contract with your U.S.-registered firm, but you would have to use resources that are based in the U.S.

3. Can you provide more details about the current data management system? What are its limitations and pain points that you aim to address with the new system?

A: We are primarily an analytical database, so there is very little OLTP. Areas that need to be developed are improved standards and documentation. Much of the work involves new initiatives.

4. Do you expect the vendor to develop a data warehouse as a centralized repository to store the data from disparate data sources?

A: That already exists. This will be additional work along with maintenance and enhancements of existing applications and database routines.

5. Can you please provide the list of data systems along with their type and size?

A: There are three main data systems: Alaska, West Coast, and West Coast Recreational fisheries. Combined, these are under 4TB.

6. Where are the data systems located (on-prem/cloud/hybrid)?

A: On-prem

7. Do you expect the vendor to perform data cleansing activities?

A: Yes

8. Do you expect the vendor to migrate any of the existing data to the new system? If yes, can you please specify the size of the data (in GB) that needs to be migrated?

A: Possibly, but that won't be the initial focus. The current activities are around improving the existing data environment.

9. Do you anticipate having role-based access control (RBAC) in place to restrict data access/ features of the system?

A: Yes, that already exists.

10. How many users will be concurrently accessing the system? Also, please specify the total number of users and their respective roles.

A: This varies, but it is not a large number (<10). The primary users are scientists and fisheries managers. They mostly retrieve data through various methods, so not much time is spent working on the database.

11. Do you expect the new system to generate reports? If yes, can you share the total number, type, and format of the reports that need to be generated by this system?

A: Multiple reporting systems already exists. The work will be around building additional reports, maintenance of existing reports, and developing new applications.

12. If a proposed resource becomes unavailable or allocated to any other project at the time of award/project start date can we deploy another resource with the same/ similar experience and skillset?

A: Yes, though proper notification and a discussion before this occurs would be expected.

13. Can you please specify the overall budget or maximum cap limit associated with this project?

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14. What is the anticipated project go-live date and tenure?

A: This is project-specific. We already have a production system in place.

15. Do you expect the vendor to perform any tasks on-site, or can all work be performed remotely?

A: Work can be completed on a fully remote basis.

16. Can a bidder bid for a subset of the areas of work instead of all? Or are you planning on using only one contractor for all the work areas?

A: No, we want one contractor for the scope of this RFP.

17. Is there a pre-proposal meeting scheduled for this RFP?

A: We do not plan on holding a pre-proposal meeting. Any questions can be directed to the contacts listed in the RFP.

18. Is there a website that I can use to follow for any updates on this RFP?

A: Any changes or major developments to the RFP would be posted at:
<https://www.psmfc.org/procurements>

19. Is there an incumbent for the services? If yes, can you please share the details of the contract?

A: We have had multiple firms working with us on similar projects over the years. You can expect that other firms will be working concurrently outside the scope of this RFP.

20. There is not enough information in the RFP to understand how many resources are needed. Do you have a proposed/expected staffing plan? E.g. One resource per discipline you listed (OBIEE, APEX, ETL, API development, DBA, AI) or does the expected velocity of this project warrant multiple developers per technology?

A: We do not have an existing staffing plan. Our programs pose a special challenge for contracting firms when allocating resources. The need is project-based, and the budget determines the approach (see answer to question 1).

21. Can you list all technologies/products used/required for this project. E.g. you mentioned Oracle databases and APEX;

A: Oracle and APEX are the primary requirements, but other technologies that exist in our environment include but are not limited to:

1. Java Script
2. Python
3. Web Services

- 4. R
- 5. Spatial Tools
- 6. Linux Administration

22. What ETL tools are you using?

A: All ETL is done using SQL and PL/SQL.

23. Are there other BI/Analytics tools used, or are all reports done in OBIEE and APEX?
Other languages?

A: No, OBIEE and APEX are the standard approach.

24. What REST/API technologies are you using?

A: We are using ORDS.

25. What spatial technologies are you using?

A: We are primary an ESRI shop, but do use some Oracle utilites to perform spatial analyses on the database side.

26. What AI technologies are you using?

A: Our AI projects are in the early stages of development. The support for AI needed under this RFP would mostly require database skills, Python, and Linux Administration.

27. What environment will be used to host the API Application (OnPrem, AWS, OCI, other)?

A: Currently, OnPrem, but migrating to the cloud is expected in the future.

28. What constitutes a data transfer (json objects, xml, .xls)?

A: It varies and includes all listed in the question.

29. How are you currently collecting data from external sources?

A: Mostly Oracle Datapump Export files and CSV.

30. What audit/compliance considerations are needed for data access?

A: We use database authentication and our database server is protected by a firewall. PSMFC is working on being FISMA compliant, so our program requirements may change in the future.

31. Do you have a monitoring solution in place (e.g. to detect failed ETL or database problems)? If not, is one desired as part of this RFP?

A: One exists, but improvements are needed.

32. Do you have specific 24x7 monitoring requirements (e.g. for ETL loads or database availability problems)?

A: We do not have an SLA documenting requirements, but we try to limit any database downtime to off-hours and weekends.

33. Is patching and/or upgrading of Oracle databases, OBIEE, APEX part of this RFP, or are these tasks handled by an internal group?

A: These tasks are handled by a different firm.

34. Can you provide more insight into the pricing model? You mentioned that you would like to see a specific quote for Item 5. Is this meant to be a fixed price quote? Is a time-and-material price model acceptable for item 5 and/or the other requirements?

A: Contracts are time-and-materials with a not to exceed limit.

35. In terms of the question on Personnel, are you looking for typical staff profiles, do you expect sample resumes of the personnel intended for this project, or actual resource names assigned to this project?

A: A basic CV is sufficient.