



City of Tacoma

TACOMA PUBLIC UTILITIES / TRANSMISSION & DISTRIBUTION

ADDENDUM NO. 2

DATE: August 30, 2023

REVISIONS TO:

Request for Proposals Specification No. PT23-0091F

ADVANCED DISTRIBUTION MANAGEMENT SYSTEM (ADMS)

NOTICE TO ALL PROPOSERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline has been changed to 11:00 a.m., Pacific Time, Tuesday, September 19, 2023.

REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS:

QUESTION AND ANSWERS:

Question 1: Could Tacoma Power give us a 2-3 week extension to the due date?

Answer 1: The submittal deadline has been extended to September 19, 2023. All other submittal requirements remain unchanged.

Question 2: Was the pre-proposal meeting recorded? Will the slide deck be provided?

Answer 2: It was not recorded. The slide deck was posted with Addendum 1. The other thing to note is that the schedule between phase 1 and phase 2 will have a gap of 6 months or more.

Question 3: EV / transportation load?

Answer 3: This information is addressed in the specification.

Question 4: DERM? System integration?

Answer 4: This information is addressed in the specification. We are not looking for it now but want it for the future.

Question 5: How will the trained simulator in Phase 0 be used before the system is installed?



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Answer 5: This is a value add for operators. It lets operators get familiar before UAT and find any bugs. It allows feedback from them early in the project in case there are improvements within scope they can be done early in project.

Question 6: Does the simulator in Phase 0 have full integration and model?

Answer 6: Yes, if feasible. But realistically a test system that has some of our information integrated – partial integration and model - is acceptable.

Question 7: As per the reference documents, GIS data is used for the purpose of demonstration and integration. What is the source of this data (GE Small world or ESRI)? When is the migration of GE Small World to ESRI planned?

Answer 7: The source of the GIS data will be ArcGIS Pro 2.9.8.32739, Utility Network 2.9.4, in an ESRI.fgdb format. The migration is planned to go live in Q2 of 2024.

Question 8: During the Phase 0 can we have a workshop from Tacoma with details about the data quality and GIS content?

Answer 8: TPU is open to Phase 0 workshop to discuss the data quality and GIS content in coordination with the selected System Integrator and Vendor, if it is recommended.

Question 9: To have the OMS system to be fully modelled and operational, we require a basic SCADA system base to be setup in Phase 1. Does Tacoma have some obligation to share the DSCADA (Phase 2) related information in Phase 1 timeframe?

Answer 9: Tacoma Power will be able to provide the database export for a single distribution substation as a representative sample during Phase One for the vendor to test and develop conversion processes. A full DSCADA export will not be available until Phase Two. The OMS will not scan SCADA during phase 1, however, a limited data set including outage data such as PCB and disconnect status may be provided to the OMS via another protocol. Other needs to ensure OMS functionality can be discussed as part of the project.

Question 10: Please clarify the number of DERs to be modeled by the Phase 4 DERMS

Answer 10: Per Section 10 of the RFP, “Phase 4 is not considered to be in scope for the contracted project, but it is included to evaluate the vendor’s capabilities to meet anticipated future needs.”

Question 11: Per the Pre-Proposal Meeting, it was mentioned DSCADA would likely start after Phase 1 GoLive. Will TPU send an updated Project roadmap to reflect any changes?

Answer 11: TPU will keep the selected vendor aware of moving Phase 2 schedule.

Question 12: Should the QA environment be a full replica of the Production system?



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Answer 12: Tacoma Power desires a full replicated QA system as noted in Technical Specification 1 – TPU Architecture Diagram included in the RFP, however, if a non-replicated QA environment offers cost savings and still meets operational needs, then the vendor can propose that as an option.

Question 13: Should the TPU ADMS be sized and priced for the initial sizing or future sizing shown in Appendix A?

Answer 13: Sized for future as shown in Appendix A.

Question 14: Please clarify if the “EMS/ADMS Historian” in the Tacoma Power Network Diagram in Appendix A refers to the PI Historian mentioned in the Integration requirements, or if this is an additional system requiring integration.

Answer 14: EMS/ADMS Historian refers to PI. It is not an additional system.

Question 15: Please clarify the capabilities of the Snowflake Data Lake API. For example, does Snowflake support an RDBMS?

Answer 15: Please refer to Open Source information available on Snowflake API development. Examples include, but are not limited to:
<https://docs.snowflake.com/en/developer-guide/sql-api/index>
<https://docs.snowflake.com/en/api-reference>

Question 16: Will hardware be staged at the ADMS Vendor’s site or at TPU for project implementation?

Answer 16: The hardware will be configured, installed, and tested at the selected ADMS Vendor site as stated in the requirement noted below:
“ADMS.IMP.019 Requirements/Processes TPU and the SI will participate in the Factory Test performed by the Vendor at the Vendors site.”

Question 17: What type of devices does TPU considers as Grid Edge Devices? Would the information coming from Grid Edge Devices be SCADA-based?

Answer 17: Grid Edge devices use various protocols. It is not currently known what Grid Edge devices will be used in Phase 4.

Question 18: Please share MS Word version of "StandardTermsandConditions.pdf" mentioned in section 16 for review and redlining.

Answer 18: The Standard Terms and Conditions are not available in a word version. Please redline the pdf version. [Standard Terms and Conditions](#)

Question 19: PT23-0091F_AttachmentA, ADMS.CNTR.003, “Location of Work & Information” is listed as a contractual requirement. Would certification that work be performed, and data stored, in North America in lieu of the US be acceptable?



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Answer 19: Tacoma Power recognizes that not all vendors have organizations located in the US but would accept an approach where the data is retained in the US but the portion of the work that can be done without Tacoma data is acceptable to be performed outside of the US.

Question 20: **PT23-0091F_AttachmentA, Tabs “SCADA”, “Alarming”, “Trending”, etc. includes a column D. Can you provide a brief description of the information to be included on column D, labeled “Module”?**

Answer 20: When providing an answer to the "Module" column, the respondent should respond with the name of the product module that includes the feature if it is not part of the base product.

Question 21: **PT23-0091F_AttachmentB, Software Tab includes what seems to be redundant pricing table information. Three (3) tables are provided for pricing each phase. However, the tables include what seem to be replicated pricing tables (ie each section requests software licensing fees, 3rd party fees, support fees). How should these tables be completed?**

Answer 21: If there are software license fees, 3rd party fees, and support fees associated with the requirements of a particular Phase, those fees should be separated out by Phase. For example, if a particular module has separate licensing and is not needed until Phase 2, then it should be quoted in the Phase 2 tables. If it requires third-party licenses as well, those should be listed in the Phase 2 tables, etc. Basically, the later tables should list any of the add-on licensing and support fees that are triggered by the additional features or functionality added by the later Phase.

Question 22: **Is Tacoma Public Utilities interested in reviewing opportunities that could enhance the project rollout by adjusting the proposed project phasing? If so, is there a preferred way you would like this information to be submitted (i.e. as a comment, separate proposal submission, etc.)?**

Answer 22: All bidders should provide bids in alignment with the RFP so they can be evaluated fairly. Per Section 10 of the RFP, in the event Respondent would like to propose an alternate approach, that may be done in a separate "Alternate Approach" document. Do not alter the format of Attachment A_TPU Detailed Functional and Technical ADMS Requirements.

The priority of Tacoma Power in phasing the work as they have at this time is to ensure that we are able to upgrade our existing Outage Management System. We would also like the flexibility to be able to take a logical break in the ADMS work after the OMS is complete. The need and timing for the break in work will be dictated by changes in the Western Power Markets of which Tacoma Power will need to coordinate with. Given the size of our organization and key staff to support those changes, we recognize the need to phase our ADMS work.



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Question 23: In phase 1 we see Switching Orders and PowerFlow mentioned for implementation, these are DMS apps. Kindly confirm if these are indeed the part of proposal/RFP?

Answer 23: Confirmed. They are part of the proposal/RFP.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Proposals Specification No. PT23-0091F Addendum No. 2. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Mark Pervinich / UTS