



City of Tacoma
Tacoma Power / Transmission and Distribution
GIS Modernization and System Integration Services
RFP Specification No. PT20-0373F

QUESTIONS and ANSWERS

All interested parties had the opportunity to submit questions in writing by email to Seth Hartz by 3:00 p.m., Pacific Time, February 02, 2021. The answers to the questions received are provided below and posted to the City's website at www.TacomaPurchasing.org: Navigate to *Current Contracting Opportunities / Services*, and then click *Questions and Answers* for this Specification. This information IS NOT considered an addendum. Respondents should consider this information when submitting their proposals.

Question 1: Can you provide a list of SAP Products currently in use at Tacoma Power?

Answer 1: Smallworld product for interface with SAP is SBI (Smallworld Business Integrator). SBI uses JCo (JAVA Connector) to connect and synchronize data with SAP. These products are synchronized with SAP Work Management and Asset Management modules.

Question 2: What is the existing datasize?

Answer 2: The electric data store files total size is 33.6G uncompressed. This includes outstanding alternatives.

Question 3: What is the backend database? Is it strictly VMDS Database?

Answer 3: Yes, it is only a VMDS Database.

Question 4: Is there any RDBMS existing in the system? If yes, can that be used within the initiative if required?

Answer 4: We are using MSSQL on site currently and plan to continue to use it.

Question 5: Is there any existing mapping system for integration of GESW & CGI? Will they share the respective vendor?

Answer 5: 1) There is Smallworld code which extracts differences from Smallworld and process them as GML files. 2) A product named Fusion processes the GML files and creates GIS files for import into the OMS.

Question 6: Is there any customized application available / present in current infrastructure? Will they provide source code?

Answer 6: We have some customized applications in place for web access. We don't require that these applications are maintained after migration.

Question 7: What current version of SAP they are using in existing Network (for integration)?

Answer 7: ECC 6

Question 8: It is assumed there exist 2 years of development phase and 1 year of maintenance and support and after the execution of entire project RMSI is liable to renew the contract for extra 2 years duration. Is that correct?

Answer 8: Tacoma Power is looking to partner beyond this project. The duration of extensions has not been determined. It is envisioned that a master agreement would be put in place for this work which would support ongoing task orders. There is leadership commitment to extending GIS enhancements beyond this project to gain value as outlined in the GIS roadmap. Tacoma Power has a two year (bi-annual) budget cycle.

Question 9: Software – Is there any Esri Infrastructure in place? If yes, please provide details.

Answer 9: We have some users on Esri in places in the organization. However, this project will be based on a new Utility Network implementation that is not in place. We are working with Esri to design the system architecture and expect that to be in place before the project begins.

Question 10: Please brief upon the current GSA Lite web browsing tool.

Answer 10: GSA Lite is used in the office and field to view and interrogate electric and GIS facilities. GSA Lite is capable of using data from many data sources i.e. shape files, Excel spreadsheets, Access DB, and other sources.

Question 11: Is there any particular third party software system need to be configured, if yes, please mention.

Answer 11: Any systems that are currently in place are described in the RFP.

Question 12: Will FME be used to export data in various other commercial formats with ArcGIS?

Answer 12: Not required. We are open to considering solutions put forward by vendor.

Question 13: RMSI is assuming Landbase in 2D format. If you have other specification please mention.

Answer 13: Smallworld landbase, GIS dataset, is 2D.

Question 14: This is assumed that the project can be executed from locations outside of the United States. Is there any preferred model for execution from different geographies?

Answer 14: While project work can be performed outside of the United States, Agile teams need a great deal of collaboration so time availability will be considered as we expect teams to be able to call in to scrum meetings or other working conversations. Core Tacoma Power business hours will be considered as 8 am PST to 4 PM PST for this evaluation.

- Provide number of hours that project staff will overlap with Tacoma Power core business hours.

Question 15: May the tender submission date be extended by two weeks to March 09, 2021?

Answer 15: We will review responses to the Intent Confirmation on February 15 and will consider adjusting the submission date at that time.

Question 16: Do you have an incumbent Vendor for this type of project?

Answer 16: No, while Tacoma Power does not have an incumbent Vendor, Red Planet has been used on occasion to augment our legacy GE Smallworld GIS Product and Services mapping team.

Question 17: As the complete project's budget already been approved by the City?

Answer 17: Yes, the project budget has been approved by the Capital Project Steering Committee and is included in the overall budget approved by the Public Utility Board which was included in our rate request to the Tacoma City Council.

Question 18: What is the project's total area of interest?

Answer 18: In general, Tacoma Power has 351 miles of transmission with 60 miles of shared rights-of-way. 180 square miles of service area. Please refer to section 2.01.1 of the RFP for additional information.

Question 19: What is the total area covered by landbase data?

Answer 19: See answer to Question 18.

Question 20: What is the total area covered by GESW electric network data?

Answer 20: See answer to Question 18.

Question 21: According to the current circumstances related to COVID-19, will the City of Tacoma provide VPN access to the required systems such that the Vendor's project team can work remotely?

Answer 21: Yes

Question 22: Page Number 9 – Section 1.08 RFP Text: Respondents Originating Outside of the United States. Can the work be executed remotely from overseas?

Answer 22: See answer to Question 14.

Question 23: Page Number 14 – RFP Text: Produce landbase layer metadata in a format that can be input into the TPU data catalog. Please confirm that TPU, will assign Vocal Points to receive the required information to fill the metadata.

Answer 23: We don't understand the question as stated with reference to Vocal Points.

Question 24: Page 14: RFP Text: Migrate the existing GESW electric network to the Esri Utility Network schema or otherwise into the Esri environment. What is the drawing scale of the landbase data?

Answer 24: Our drawings currently fall within a range of 1":30' – 1":700'.

Question 25: Page 14: RFP Text: Migrate the existing GESW electric network to the Esri Utility Network schema or otherwise into the Esri environment. What is the format of the GESW electric network data?

Answer 25: The data is stored in a VMDS database. Please see the referenced data models for more details (Question 26 has links).

Question 26: Page 14: RFP Text: Migrate the existing GESW electric network to the Esri Utility Network schema or otherwise into the Esri environment. Please provide a model catalogue for GESW electric network (if any), or an example of GESW data model.

Answer 26: See attached document link: [Example Datamodel](#).

Question 27: Page 14 RFP Text: Conflate and spatially adjust the map placement of the electric network features in relation to the new landbase. What is the coordinate system of the landbase and the Electric Network features?

Answer 27: The Smallworld database units are in millimeters. Washington State Plane South – HARN (2927)

Question 28: Page 14 RFP Text: Conflate meter to transformer features on the secondary network to the primary distribution network to ensure meter to transformer connectivity and to support network tracing. What is the coordinate system of the Secondary and Primary distribution network?

Answer 28: See answer to Question 27.

Question 29: Page 14 RFP Text: Assist Tacoma Power staff in performing data editing for any corrections needed to support the network migration. What are the required data editing, kindly provide examples of the required corrections for the landbase?

Answer 29: Most data should be fairly clean but errors can be encountered due to connectivity, phasing, transposed values, etc. It would be difficult to accurately estimate the counts. Landbase corrections are unknown at this time but anticipated to involve ancillary layer adjustment to Pierce County landbase layers to ensure coincidence of linework for polygonal data (i.e. administrative boundary layer alignment).

Question 30: Page 14 RFP Text: Assist Tacoma Power staff in performing data editing for any corrections needed to support the network migration. Such corrections may be due to data inaccuracies, completeness, or having to do with the supporting systems integrations involving the network model as defined in Initiative II below. Please confirm that in case of incomplete /

missing data, TPU will assign a designated person to provide the missing data to be added to final data in the data model.

Answer 30: In the cases where incomplete or missing data impact the ability to complete User Stories, Tacoma Power will provide staff to guide in the support of investigating, fixing data inaccuracies and data completeness where possible. Augmented staff will be asked to support some work.

Question 31: Page 14 RFP Text: Help to provide resource assistance in performing editing updates for data to support the network model in the target Esri environment to ensure backlog remains manageable (note; any data deemed appropriate to be made in source GESW will be performed by Tacoma Power). Please provide an example of the required updates.

Answer 31: In the cases where incomplete or missing data impact the ability to complete User Stories, Tacoma Power will provide staff to guide in the support of investigating, fixing data inaccuracies and data completeness where possible. Augmented staff will be asked to support some work.

Question 32: Page 14 RFP Text: Help to provide resource assistance in performing editing updates for data to support the network model in the target Esri environment to ensure backlog remains manageable (note; any data deemed appropriate to be made in source GESW will be performed by Tacoma Power). Please confirm the required editing will only be for performing the migration process.

Answer 32: Required editing will be to support the migration process and also to support management of backlog reduction in the Esri platform for ongoing project work that may accumulate during the migration.

Question 33: Page 14 RFP Text: Help to provide resource assistance in performing landbase updates to ensure backlog remains manageable. Please provide examples of the required updates.

Answer 33: See answer to Question 29.

Question 34: Page 15 RFP Text: Configure and enable electric network structure asset synchronization with SAP. Please confirm that the SAP Team (or City team managing the SAP system) will cooperate by developing the needed activities/tasks/components in the SAP system to achieve the targeted synchronization.

Answer 34: Yes, the City team managing the SAP will cooperate in the synchronization of the data in this project.

Question 35: Page 76 RFP Text: TPU will assume primary responsibility for re-establishing the underlying landbase in Esri. The landbase is used to position the electric facilities for relative (placement relative to other facilities) and absolute (placement relative to real work positioning) accuracy on a map display. Please provide the landbase data catalogue that contains layers and layers, properties, or detailed descriptive example of the landbase data.

Answer 35: See link: [Current GESW 01152021](#).

Question 36: Page 76 RFP Text: TPU will assume primary responsibility for re-establishing the underlying landbase in Esri. The landbase is used to position the electric facilities for relative (placement relative to other facilities) and absolute (placement relative to real work positioning) accuracy on a map display. Please confirm that the provided landbase data will be the final data that will be submitted to the next processes, such as analysis and assessment, cleansing, conversion, migration to final data model, and final assessment.

Answer 36: Yes, that would be the intention. Landbase layers essential for relative placement of electric facilities would be stable. Ancillary layers not essential for facility placement such as administrative layers derived from landbase may continue to be developed based on use case discovery during sprints.

Question 37: Page 76 RFP Text: Correct landbase errors found when appropriate. Please confirm that only the corrections that service the migration process will be applied.

Answer 37: The priority will be first to correct landbase layers to support the migration process. See answer to Question 36.

Question 38: Is the City able to share who was responsible for preparing the Geospatial Roadmap and Governance plan referenced on page 12 of the RFP solicitation?

Answer 38: Excerpt/E-Source

Question 39: Are proposed software solution that may comprise the proponent's bid to be priced?

Answer 39: Yes. We expect the bid to include a break down of all the necessary components to provide the total solution.

Question 40: Item 1.06.04 states that "Contractor shall extend the same services at City prices to participating agencies in accordance with the Interlocal Agreement. What agencies participate in this Interlocal Agreement?"

Answer 40: Please see attached link for list of participating agencies for Interlocal agreements with the City of Tacoma:
<https://www.cityoftacoma.org/cms/one.aspx?portalId=169&pageId=2287>

Question 41: Approximately how many different map templates are used today that would need to be migrated to Esri as part of the Network Model Migration (Epic 2)?

Answer 41: We have 11 templates that will need to be migrated. We also expect that new templates will need to be created after migration.

Question 42: In Epic 5 (GIS Integration with SAP), GIS to SAP data flow is referenced when editing or creating data. Confirming that will be the case in the new Esri to SAP integration to be developed.

Answer 42: Yes, the expectation is that Esri will be integrated with SAP to manage editing and creating certain GIS data.

Question 43: Does the City make use of any SAP Hana technology (e.g. HANA sidecar)?

Answer 43: The City of Tacoma does use SAP Hana, but it is not expected to be part of the integration during this phase of the project.

Question 44: What version of SAP ECC does the City run today?

Answer 44: See answer to Question 7.

Question 45: Does the City use Linear referencing in its current GIS implementation?

Answer 45: Not currently.

Question 46: Does the City's implementation of SAP include Linear Asset Management (LAM)?

Answer 46: Tacoma Power does not currently use SAP's Linear Asset Management and this will not be in the current scope. LAM is likely to be a future enhancement post Destination 1.

Question 47: Certain aspects of the RFP (top half of page 2 and item C of the Submittal Check List on page 5) seem to imply the submittal of a hard copy response. Yet other locations in the RFP, most notably the table in item D of the Submittal Check List on page 5 and section 3.01.5, imply and provide criteria for the submission of an electronic response. Please confirm that one's response shall be an electronic response.

Answer 47: The recommended response will be submitted electronically to bids@cityoftacoma.org.

Question 48: How accurate is the City's asset database for above and underground assets? How were the asset locations collected and how many are maintained? Section 3.02 of the RFP, specifically section 3.02.4, appears to indicate the sequence in one's response for the City of Tacoma forms. Yet the Price Proposal Form is once again called out in section 3.02.10. In what location in one's response do you want the Price Proposal Form placed since the instructions indicate that failure to comply with the order of contents may be judged as being non-compliant?

Answer 48: Please put the City of Tacoma Forms in the order specified in Section 3.02.4.

Question 49: Is it TPU's understanding and intent to complete its Landbase activities documented in Appendix C / Project Background / Data Migration Initiative Background / Landbase prior to issuing a notice to proceed to the selected vendor for its 24-month scope of work, as this is arguably a critical predecessor milestone in providing the environment for the vendor's scope of work?

Answer 49: Not necessarily. There may be other aspects of the selected vendor's services that can move forward even while the underlying landbase is not yet finalized. Tacoma Power would seek to explore such possibilities with short listed vendors during the short list workshops referenced in Section 3.04.

Question 50: Page 14 of the RFP; under Initiative I, Epic 1 – Landbase Analysis and Maintenance, the vendor's expected scope of work states; "Produce landbase layer metadata in a format that can be input into the TPU data catalog." Page 76 of the RFP; Appendix C / Project Background / Data Migration Initiative Background / Landbase, TPU staff's responsibility states; "Capture landbase layer level metadata content for population to the Tacoma Power data catalog." And then in the RACI on page 84, there is an entry that states; "Populate Data Catalog – Landbase." Please clarify what is the scope of the selected vendor and what is the scope of TPU insofar as "produce", "capture" and "populate" is concerned.

Answer 50: Separate from this project, Tacoma Power is looking to acquire a data catalog tool to support data governance. The metadata specific to Tacoma Power GIS data is desired for inclusion as part of the data catalog. Tacoma Power recognizes a collaboration will be needed to capture metadata elements from data stewards and then to populate what is captured into some mechanism or input method for adding into the data catalog. Specific roles and responsibilities for different data sets may vary by data type and as part of the scrum team activities (see Appendix C – Figure 2).

Question 51: In the RACI on page 84, there is an entry in the Landbase section that states; "Defect Tracking – Landbase." But this is not mentioned in other descriptions of the vendor's scope of work. Is this truly in the vendor's scope of work? And if so, how is it to be performed when TPU or one of the counties is the entity providing the landbase?

Answer 51: The vendor will have responsibility to track defects for any productivity configuration enhancements made to support Epic 1 – Landbase Analysis & Maintenance.

Question 52: In the RACI on page 84, there is an entry in the Data Migration / Epic 2 section that states; "Migrated Data Acceptance Testing" that indicates the vendor is responsible. While this aspect is a given for any data migration activity, it is not stated as being in scope on page 14 of the RFP / Epic 2. Please confirm that this is within the vendor's scope of work and TPU will not be performing this item.

Answer 52: Yes. We will need the vendor to provide developer-based testing or other testing resources for validation during data migration. Tacoma Power will provide a Test Lead to help guide testing and acceptance criteria.

Question 53: In the RACI on page 84, there is an entry in the Data Migration / Epic 2 section that states; “Populate Data Catalog – Network Model.” In the scope on page 14 / Epic 2, it states; “Capture network layer level metadata content for population to the Tacoma Power data catalog.” Is there any difference between “populate” and “capture”?

Answer 53: See answer to Question 50.

Question 54: In the RACI on page 84, there is an entry in the Data Migration / Epic 2 section that states; “Defect tracking (Esri OOTB)”. This is not stated as being in scope on page 14 of the RFP / Epic 2. Please confirm that this is within the vendor’s scope of work and Tacoma Power will not be performing this item. And please describe what you mean by this term as it relates to either data migration or development of the Esri UN model that wouldn’t be addressed by acceptance testing.

Answer 54: Vendor partner configured tools using the Esri platform deployed to assist with landbase maintenance, query, and analysis should be supported by the vendor partner to the degree any additional configuration can be provided to assist with user acceptance. Such tools may be needed to support activities both during and after the data migration.

Question 55: Page 14. Epic 2. Regarding the statement; “Assist Tacoma Power staff in performing data editing for any corrections needed to support the network migration. Such corrections may be due to data inaccuracies, completeness, or having to do with supporting system integrations involving the network model as defined in Initiative II below.” Please provide clarity on what is meant by “assist”? Does this mean providing our expertise in analysis of TPU’s data in terms of the gaps between Tacoma Power’s current GESW data and the UN model as well as the three integrations and then provide a Data Remedy Plan? Or does it mean to (also) provide resources to actually assist Tacoma Power in your editing/correcting the data?

Answer 55: Assist may mean not only providing expertise to identify the best path forward but also the resources to execute upon the recommendations and actually assist with editing/corrections given Tacoma Power’s resource constraints

Question 56: Page 14. Epic 2. Regarding the statement; “Configure map templates, etc. as needed to help support the rendering of existing map products including feeder maps and pole cards (and possibly other outputs already defined by users) to be similar in appearances and content as legacy map products.” How many map templates does Tacoma Power currently have? Please provide a sample of each one.

Answer 56: We have attached pole cards sheets, various templates, maps, layouts and boundary drawings for examples of products that we need to recreate. See file link: [PT20-0373F_ Question_56](#)

Question 57: Page 14. Epic 2. Regarding the statement; “Facilitate decisions on symbology changes needed to support network visualization.” Please confirm that the vendor is expected to only facilitate decisions and not to actually perform any work in recreating Tacoma Power’s GESW symbology in the Esri environment.

Answer 57: Tacoma Power does not need to replicate the GESW symbology but would like to minimize the changes to line styles and symbols where possible to help our staff interpret the maps and minimize change management.

Question 58: Page 14. Epic 2. Regarding the statement; “Help to provide resource assistance in performing editing updates for data to support the network model in the target Esri environment to ensure backlog remains manageable (note; any data edits deemed appropriate to be made in source GESW will be performed by Tacoma Power).” Page 14. Epic 3. Regarding the statement; “Assist Tacoma Power staff in performing data editing as needed using Schneider ArcFM to support system integrations involving the network model or for managing work backlog during the project.’ Is Tacoma Power asking for actual staff augmentation? If not, please clarify was level and type of service Tacoma Power is soliciting.

Answer 58: Tacoma Power is asking for support in configuring ArcFM but is not expecting full time staff augmentation. We would like a flex resource that can perform this work to help manage backlog. The amount of work needed will be discovered through the agile process.

Question 59: Page 15. Epic 4. Regarding the statement; “Identify and assist with data corrections or other enhancements needed to improve system integration and promote more timely integration between systems.” Please clarify what Tacoma Power means by “assist”. Are you requesting staff augmentation to perform these data corrections?

Answer 59: Tacoma Power is asking for support in data corrections but is not expecting full time staff augmentation. We would like a flex resource that can perform this work to help manage backlog. The amount of work needed will be discovered through the agile process.

Question 60: Page 15. Epic 6. Regarding the statement; “Identify and assist with data corrections or other enhancements needed to improve system integration.” Please clarify what Tacoma Power means by “assist”. Are you requesting staff augmentation to perform these data corrections?

Answer 60: See answer to Question 59.

Question 61: Does the budget include all the data correction work that appears to be in scope within multiple Epics?

Answer 61: Yes.

Question 62: Are there data editing rules in GESW that enforce power engineering rules? Is GESW enforcing electric connectivity rules from a source (circuit breaker or power transformer) by phase from the source to distribution transformers? Does GESW maintain the connectivity between distribution transformers and customers?

Answer 62: 1) There are rules and triggers in place to provide feedback to editors containing phase mismatch notifications. The Fusion product used for the export of Smallworld data checks for phasing inconsistencies which will then be corrected in Smallworld. 2) The connectivity between transformers and customers is made through attribute values i.e. transformer number and meter number is placed into the SW service point to indicate connection to a customer. The service point is considered the device wherein the meter is installed and replaced i.e. meter pedestal.

Question 63: Appendix B. Item 11. UDC does not accept credit card payments and prefer not to use ePayables. Will TPU agree to pay invoices by ACH?

Answer 63: ACH is an acceptable method payment.

Question 64: Approximately how many different map templates are used today that would need to be migrated to Esri as part of the Network Model Migration (Epic 2)? Can Tacoma Power provide electric feature counts from their current GESW GIS? Poles? Surface Structures? UG Structures? Transformers? Switches? Fuses? Miles of Primary Conductor?

Answer 64: See answers to Question 56 for Map Template answer. See the following document for records counts. See following link: [Tacoma Power Smallworld Facility Records.](#)

Question 65: Please provide the feature counts for each asset type stored in the GESW electric network.

Answer 65: See answer to Question 64.

Question 66: Are any web or mobile GIS solutions including in this project, or is it limited to desktop deployment of ArcGIS Pro with ArcFM Editor?

Answer 66: Tacoma Power will be implementing Portal for ArcGIS for web access.

Question 67: Epic 2 includes the configuration of map templates, can you provide some examples of your legacy map products?

Answer 67: See answer to Question 56.

Question 68: You state in section 2.01.2 (page 13) that the project includes “enable the current GESW to be retired within approximately six months after the

migration". Do you envision editing occurring in both systems after go-live?

Answer 68: We do not plan on editing in both systems after migration. As we use an Agile deployment, we may consider doing so during migration process.

Question 69: Epic 3 and other areas of the RFP indicate that certain ArcFM XI tools need to be implemented as part of the project. Will the City consider a response that implements a non-ArcFM extension to ArcGIS Pro for network management which has been selected by several of the largest utilities in the US?

Answer 69: See Addendum No 1 that will consider near-equivalent alternative for editor stated in Epic 3. Tacoma Power's goal in specifying the ArcFM editor is to replace the 300 or so customizations that were made to GE Smallworld to make editing more efficient. While ArcGIS Pro already covers many of those scenarios, many more would have required additional custom code that would need to be tested for each future upgrade. Alternatives may be bid that would provide significant editing and validation efficiency tools and which have a track record of staying current with Esri upgrades.

Question 70: In section 3.02.6 Initiative II -Is the referenced SAP PI/PO certification required for the selected vendor?

Answer 70: This is desired but not required.

Question 71: Will the firm who performed the roadmap and assessment project be eligible to propose for this RFP?

Answer 71: No

Question 72: Does the scope of the data migration include other data formats in addition to Smallworld? (e.g., AutoCAD, paper)

Answer 72: No.

Question 73: Does Tacoma Power have an Enterprise Agreement (EA) with Esri? If not, has Tacoma Power already procured the budget necessary to procure the Esri licenses necessary for this project?

Answer 73: Yes. The Enterprise Agreement with Esri is budgeted outside of this project.

Question 74: Can Tacoma Power share a brief descriptions and objectives associated with Destination II, III, and IV.

Answer 74: See following link: [Geospatial Roadmap & Governance Plan](#)

Question 75: Epic 2, Page 14: Does the scope include replacing the GSA Lite web browsing tool, or just preparing to do so in the future?

Answer 75: Yes, we want to replace this tool as part of this project.

Question 76: Epic 2: Does TPU prefer for the selected vendor(s) to use TPU conflation tool (Adjust-it) identified in Appendix C to conflate electric network features to the new landbase?

Answer 76: Tacoma Power does not require this. We expect the vendor will use whatever tool they would like to do the job.

Question 77: Will TPU share the case tool report from GESW? Does TPU currently maintain one-line diagrams for feeders using GESW or CAD that show local connectivity for switching and planning? If yes, is the generation of such diagrams from ArcGIS Utility Network part of the Destination I, and can you share example and quantities to be considered as part of the migration work?

Answer 77: We currently create all one-line diagrams in AutoCAD. Currently this has not been determined if it will be in Destination I or not. We have the UW (Residential Drawings 200' scale drawings geographically mapped) colored one-lines that are for the underground (UG) primary (UW1005, UW1006, etc). We do create specialized one-line diagrams for specific UG projects that are created in AutoCAD and "Pasted" in a Smallworld title block template as a bmp file.

Question 78: Appendix C, Section B: Can you please share examples of Feeder Maps, Ad-hoc Reports, and Pole Cards associated with Destination 1 to assess the ArcFM and ArcGIS Pro configuration efforts?

Answer 78: See answer to Question 56.

Question 79: Appendix C, Section A: Can TPU share the object and record counts that are expected to be conflated and migrated into the target environment, broken down by classification or type?

Answer 79: This data will be provided to successful bidder. Other sizing information has been provided within other answers and RFP.

Question 80: Appendix C, Section B: Are there any details that are currently maintained only in CAD (AutoCAD and Bentley) designs that are not redrafted into GESW but are expected to be redrafted in ArcGIS Utility Network in the future? Any 2D or 3D schematic views?

Answer 80: Redrafting details is not part of Destination I and will be a future enhancement.

Question 81: Appendix C, Section B: Does TPU intend to remove/retire Fusion used for CGI OMS and FME used for Synergi with alternative solutions as part of Destination 1? If yes, will TPU be procuring such solutions from CGI and Synergi so then can be implemented as part of the SI scope? If no, is the proposal expected to include licensing/subscription costs for middleware products?

Answer 81: Tacoma Power is open to continue to use Fusion or will consider an alternate solution if the vendor has one to recommend.

Question 82: Appendix C, Section B: Is TPU currently licensed to Safe FME Server?

Answer 82: Yes.

Question 83: Appendix C, Section B: Can you share the number of TPU and Tacoma/External members are that expected to be part of the Project Team and SCRUM Team in the Project Advisor, Developer, Business Functionals, and Integration roles for Destination 1?

Answer 83: The Tacoma project team will vary by Epic but the core team will include:

- Project Leadership – 2
- Project Manager and Contract Liaison – 1
- Product Owner – 1
- Scrum Master – 1

Technical support

- GE Smallworld Developer – 1
- OMS Analyst – 1
- Synergi SME (Power Engineer) - 1
- SAP Resources via the City of Tacoma – TBD

Subject Matter Experts:

- Substation/P&C Engineering - 2
- Line Engineering - 3
- Engineering Products & Services - 3
- Project Management - 2
- Electrical Inspection - 2
- New Service Engineering - 3
- Meter Relay - 2
- Central Business District Engineering - 2
- Utility Services Representatives - 3
- C&M Line - 4
- C&M Substations - 4
- HFC/Locators - 1
- Fleet - 1
- System Operations - 2
- Asset Management - 3
- System Planning - 3
- Business Financial Management - 2
- Warehouse - 1

Question 84: What version of Esri ArcGIS and Utility Network will be used for the project?

Answer 84: Tacoma Power expects to use latest version available. This will likely be 10.9.X as determined by the upcoming Esri system architecture.

Question 85: Please further describe the object relationship between GIS and SAP. Do the GIS objects relate to SAP Functional Locations or Equipment objects or both? Can a data mapping diagram or spreadsheet be provided to assist with our estimate?

Answer 85: Yes, the GIS objects relate to both functional locations and equipment. See following link for further detail: [SBI Object Mapping with SAP](#)

Question 86: Can you provide an estimate of the number of records (features) in each of the GIS objects?

Answer 86: See answer to Question 64.

Question 87: Can the Utility Network data model be provided?

Answer 87: This is a published model available from Esri.

Question 88: Given the current pandemic will VPN and RDP be provided to enable working remotely?

Answer 88: Yes.

Question 89: Section 2.03 Scope of Work Page 13 – EPIC1 Landbase Analysis & Maintenance – We understand that TPU will be responsible to select and procure the new landbase and the vendor scope includes providing IT services listed within the RFP PT20-0373F. In other words, the vendor is not responsible for providing consulting services for new landbase analysis, recommendation and procurement process. Please confirm.

Answer 89: This is correct. TPU is responsible for procuring and enabling the landbase for this project and expect to have it in place before needed in project schedule.

Question 90: Section 2.03 Scope of Work Page 14 – Epic 2 – Network Model Migration – What is the geodatabase RDBMS (Oracle/MSSQL) for target GIS system?

Answer 90: MSSQL.

Question 91: Section 2.03 Scope of Work Page 14 – Epic 2 – Network Model Migration – Are there external databases other than GE Smallworld GIS data that need to be migrated along with the legacy GIS or consolidated to support the target system? If yes, can TPU provide more details on these sources in terms of formats, record counts, etc.?

Answer 91: 1) Drawing border data for each URD project in XML format needs to be recreated. 2) URD project rasters shown in Smallworld.

Question 92: Section 2.03 Scope of Work Page 14 – Epic 2 – Network Model Migration – Does the vendor scope involve migration of versions? If yes, can TPU provide the number of version for migrating?

Answer 92: Tacoma Power will make sure that all data will be from a single version before migration.

Question 93: Section 2.03 Scope of Work Page 14 – RFP states “Assist Tacoma Power staff in performing data editing for any corrections needed to support network migration. Such corrections may be due to data inaccuracies, completeness, or having do with supporting system integrations involving the network model as defined in Initiative II below.” What is TPU’s expectation for data clean-up? Can TPU provide the data clean-up examples and estimated volumes?

Answer 93: See answer to Question 29.

Question 94: Section 2.03 Scope of Work Page 13 – RFP States that “Conflate meter to transformer features on the secondary network to the primary distribution network to ensure meter to transformer connectivity and to support network tracing. From the above statement, we understand that the existing GE Smallworld systems maintains and owns the logical relationship between meter to transformer. Please confirm.

Answer 94: Smallworld service points contain the meter number and the serving transformer’s number.

Question 95: Price Proposal Form Page 27. We understand that the vendor needs to provide the price for IT/Professional Services listed in the RFP. TPU will be responsible for the required hardware and software licenses required for GIS Implementation, Migration and System Integration services. Please confirm.

Answer 95: Only for existing systems and Esri and ArcFM (or equivalent). If vendor suggests or requires a software license for their solution, those figures need to be included in estimated proposal.

Question 96: In the Price Proposal Form, Hourly Rates section, there is no mention of the location. Is TPU expecting hourly rates to work in the U.S or can the vendor provide both onshore (U.S.) and offshore hourly rates?

Answer 96: Vendor can provide both onshore and offshore hourly rates. Please include type of work that these vendors would provide (for example if U.S. rates are primarily for Project Management and offshore rates are primarily for Development, please make note). See expectations for work hours in answer to Question 14.

Question 97: Do the training and support activities include creation of the user instruction / help manual or is it limited to the training session for Super Users / Users? Please confirm if the training to be conducted is to be conducted onsite or online.

Answer 97: Tacoma Power does not anticipate needing large scale training to be provided by the vendor.

Question 98: The RFP references Appendix D, but it has not been provided. Please provide Appendix D for our review and use.

Answer 98: All references to Appendix D on pages 12 and 13 should read Appendix C.

Question 99: When conditions permit and office activities resume, will TPU require an onsite resource either full time or part time to support program rollout and execution?

Answer 99: Tacoma Power may require resources to come onsite during the course of the project.

Question 100: Section 2.03, Apart from GESW are there any other databases or data that needs to be migrated to Esri? If yes, can TPU provide more details on the sources?

Answer 100: Please see the answers to Question 91.

Question 101: Section 2.03, Does the vendor scope involve backlog workorder posting? If yes, what is the volume of work orders that needs to be posted?

Answer 101: Tacoma Power may need some flex resources to support the backlog in the Esri environment. The volume is unknown.

Question 102: General - Can TPU provide the sample data for review?

Answer 102: See answers to Question 26.

Question 103: General – Please confirm that the current Conflation Scope does not involve aligning any of the facility features to their locations on Bing or Esri World Imagery and that the expectation is to maintain relative accuracy to the selected landbase, based on the relative accuracy in the source landbase.

Answer 103: This is correct.

Question 104: General – Can Tacoma Public Utilities provide electric feature types and their related volumes or counts for migration?

Answer 104: See answer to Question 64.