



**City of Tacoma
Tacoma Power/Generation
Cushman 2 Powerhouse Unit 31, 32 Rebuild Project
RFQ Specification No. PG20-0325F**

QUESTIONS and ANSWERS

All interested parties had the opportunity to submit questions at the pre-Statement of Qualifications meeting January 21, 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: 10 - 50MVA (MW) and similar speed range seem to be a tight criteria range. Will larger units not be considered or less favorably evaluated?

Answer 1: Larger units will be considered; however, smaller units (10-50MVA) have a different cost/benefit profile when it comes to component replacement than 100MVA units.

Question 2: The RFP speaks to single entities and JVs to meet the criteria. Is there a potential for exclusive subcontracting teaming agreements to meet the qualifications?

Answer 2: Yes. The City encourages those who are interested to form a qualified Design-Build Team which meets the Supplemental Bidder Responsibility criteria. Exclusive subcontracting teaming agreements (or letters of intent to team) should be included with the Statement of Qualifications submittal.

Question 3: Will there be apprenticeship utilization?

Answer 3: Yes. The Project will have a City Local Employment and Apprenticeship Program (LEAP) goal for utilization of local labor and apprentices.

Question 4: Who will be on the evaluation team for the SOQ?

Answer 4: The City's Selection Advisory Committee (SAC), or evaluation team, will be comprised of individuals familiar with the Project and knowledgeable in the scope of work, including representatives from the City and the City's technical consultants.

Question 5: Would it be possible to send a document reflecting just the updates to the Terms & Conditions from Alder to Cushman?

Answer 5: The City will not be providing such a document.

Question 6: Is there a known issue with the PRV?

Answer 6: There are no known issues with the PRV for either unit. The PRV for one unit shows greater signs of wear than the other.

Question 7: Where would I be able to find temporary power requirements or temporary utilities while work takes place? Essentially, be part of the temporary power requirement design process.

Answer 7: The need for temporary power will be coordinated between the City and the Design-Builder. Temporary power to support the overhaul work will be provided by the City.

Question 8: Will an attendee list be published?

Answer 8: Yes. The attendee list is included as part of this Q&A.

Question 9: Will you share the slides with us at the end of the presentation?

Answer 9: Yes. The slides have been included as part of this Q&A.

Question 10: Any elaboration on asbestos?

Answer 10: The City is aware of asbestos in the core split packing material and asbestos is likely in the rotor poles as well.

Question 11: Are submittals electronic only?

Answer 11: Yes, submissions for the Statement of Qualifications will be electronic only. Submission instructions can be found in the RFQ.

Question 12: What is the estimated award date?

Answer 12: The estimated award date can be found in Section 2.5 of the RFQ. Award is estimated to be by Fall 2021 with contract execution around October-November 2021.

Question 13: Will name plates be provided for the turbines and generators?

Answer 13: The City believes the RFQ provides enough information to respond with a Statement of Qualifications submittal. Nameplates will be provided during the next phase of procurement.

Question 14: The RFQ states the PRV is a mushroom type. Are there any more details on the type of PRV?

Answer 14: No. At this time there are no further details on the type of PRV. Additional details will be provided during the next phase of procurement.

Question 15: Will the City be providing any drawings, such as general arrangement or site layout for the RFQ.

Answer 15: No. The City does not believe such drawings are necessary to respond to the RFQ.

Cushman 2 Unit 31, 32 Rebuild Design-Build Project
RFQ Virtual Review Meeting (Pre-SOQ)
January 21, 2021 (11:00 am)

Sign-in Sheet

Name	Company
Ken Hostler	Gracon
Brett Bauer	Canyon Hydro
Rich Spratt	JR Merit
Brian Van Baush	Voith
Steve Hart	Hatch
Bruce Rowlands	Graham Infrastructure US
Allison Winterburn	IMCO General Construction
Caleb	Holmes Mechanical
Bruno Kaelin	GE
John Stender	National Electric Coil
Dale Horner	JR Merit Inc
Wayne Gilthvedt	Advanced Technology Construction
Shawn Plichta	Graham
Jared Knode	Energy Northwest
Darren Houghton	Andritz
Naomi Pavlicek	Laborers Local 252
Eddie Pazos	Aggreko Temporary Power & Utilities
Yunfeng Gao	Andritz Hydro
Drew MacMichael	Peak Measure
Martin Dodge	-
Dan Arai	GE
cmoses	-
Larry Swartz	Notkin a P2S Co.



Cushman 2 Unit 31, 32 Rebuild Project Design-Build

Pre-Statement of Qualifications Meeting

SPECIFICATION NO. PG20-0325F

January 21, 2021 Presentation

Agenda

- Welcome and Introductions
- Overview of Project
- Procurement
- Schedule
- Questions

Welcome and Introductions

- Doreen Klaaskate – Tacoma Power, Senior Buyer
 - Single Point of Contact for all Questions
 - dklaaskate@cityoftacoma.org
- David Wagner – Tacoma Power, Project Manager
- Karen Graham – HDR, Owner's Engineer

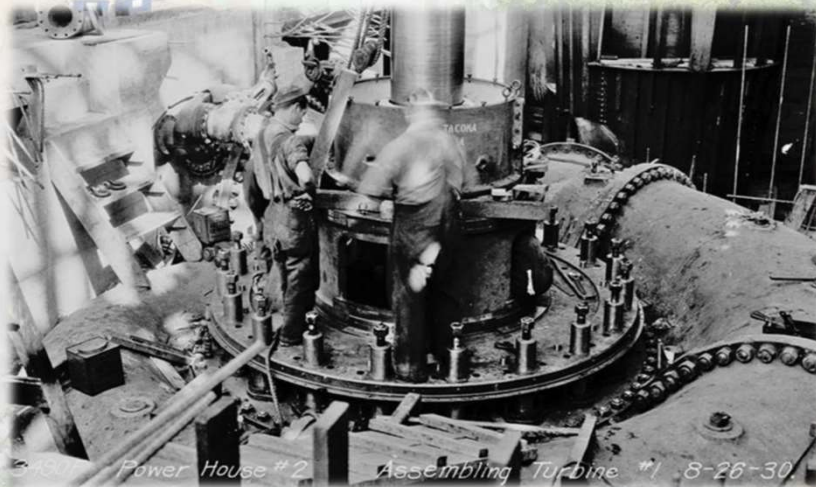
Project Background

- Units commissioned in early 1930's
 - 2 units @ 30MVA each
- Last major generator work in 1975 and 1977
- Turbine runners replaced in 1990's
- Many original components still in service today
- Received approval to proceed from WA State Design-Build PRC in December 2020



Project Overview

- Cost Estimate \$20 - \$22M
- Design-Build Approach
- Partnership
- Repair, refurbish, or replace – 40-year life
- Suspected resonant stator core
- Skewed stator core



Power House #2 Assembling Turbine #1 8-26-30.



Project Location



Project Goals

- Maximize the Project Budget and Efficiency of Operations
- Excellent Design-Build Performance
- Quality

Minimum Qualifications

Minimum Experience Criteria		
For each of the experience criteria identified below, please check the appropriate box to indicate that the Proposer, or Proposer's Design-Build Team, has the described experience on Projects of Similar Scope and Complexity.	Yes	No
Refurbished an existing generator that included design, manufacture, installation of a new stator core with improved core clamping, new stator windings, and frame refurbishment.	<input type="checkbox"/>	<input type="checkbox"/>
Performed detailed analysis with the intent of reusing and replacing existing turbine components including scroll case, draft tube, runner, shaft, seals, wicket gates, wear rings, wicket gates, shift ring, bushings, levers, etc. Analysis capabilities include component FEA, fatigue and hand calculations.	<input type="checkbox"/>	<input type="checkbox"/>
Performed detailed analysis of existing generator components including frame, upper and lower brackets, shafts (main and stub), rotor hub, rotor spider and rotor rim and rotor pole to rim connections	<input type="checkbox"/>	<input type="checkbox"/>
Refurbished or supervised the refurbishment of the poles for a salient pole hydro generator	<input type="checkbox"/>	<input type="checkbox"/>
Performed or coordinated the successful disassembly, in-situ and shop machining, welding, reassembly, alignment, balancing and commissioning	<input type="checkbox"/>	<input type="checkbox"/>
Performed refurbishment and commissioned a mushroom type, turbine pressure relief valve	<input type="checkbox"/>	<input type="checkbox"/>

Financial Criteria		
For each of the financial criteria identified below, please check the appropriate box to indicate that the Proposer meets the criteria.	Yes	No
Proposer has \$20 million dollar bonding capacity.	<input type="checkbox"/>	<input type="checkbox"/>

Procurement

- **Requests for Qualifications (SOQ)**
 - Short-list will be no more than 3
- **Requests for Proposals**
- **One-on-One Proprietary Meetings**
- **Interviews**
- **Price Proposal**

RFQ Submittal (SOQ) & Evaluation

- Deadline for Questions: February 5
- SOQ Due Date: February 23 (11:00 AM PDT)
- Submittal Contents

SOQ Section No.	Section Title and Required Information	Maximum Pages	Points Available
1	Contractor Qualification Form; Supplemental Bidder Responsibility Form; Certification of Compliance with Wage Payment Statutes Form	-	Pass/Fail*
2	Letter of Interest	2	Pass/Fail*
3	Design-Build Team Qualifications and Past Performance References	10**	35
4	Key Personnel Experience and Qualifications	5***	35
5	Ability to Perform	5	15
6	Excellence in Design	3	10
7	Utilization of MWBE-Certified Businesses	2	5
8	Forms <ul style="list-style-type: none">• City's Signature Page*• Index (confidential and proprietary information)	- -	Pass/Fail* NA
	TOTAL POINTS		100

Project Schedule

Key Milestones	Target Date(s)
Step 1 – RFQ Phase	
RFQ Released for Advertisement	January 14, 2021
RFQ Virtual Review Meeting	January 21, 2021
Deadline for Submitting Questions	February 5, 2021
Last Day for City response to questions and to Issue Addenda	February 12, 2021
Statement of Qualifications Deadline	February 23, 2021 at 11:00 AM PDT
Notification of Finalists	March 2021
Step 2 – RFP Phase	
RFP Issued	April 2021
RFP Virtual Review Meeting	April 2021
Mandatory Site Visit	April 2021
Proprietary Meeting #1	May 2021
Proprietary Meeting #2	May 2021
Deadline for Submitting Questions	June 2021

Questions