

ADDENDUM



Incorporated County of Los Alamos
Procurement Division
101 Camino Entrada, Building 3
Los Alamos, NM 87544

This Addendum forms a part of the Solicitation documents and modifies the original Solicitation documents, as stated herein. All other provisions of the Solicitation documents remain unchanged. This Addendum is hereby made a part of the Solicitation documents to the same extent as those provisions contained in the original documents and all itemized listings thereof.

GENERAL INFORMATION

To:	All holders of Solicitation documents for the below-referenced Solicitation.
Date:	June 10, 2025
Addendum No.:	No. 2
Solicitation No.:	RFP25-44
Solicitation Title:	El Vado and Abiquiu Hydroelectric Plant Condition Assessment
Contact Name:	Jeffrey Culin
Contact Title:	Procurement Operations Manager
Contact Phone No.:	505.661.4568
Contact E-Mail:	jeffrey.culin@lacnm.us

ACKNOWLEDGEMENT

Respondents are requested to acknowledge receipt of this Addendum by submitting a signed copy of page one (1) of this Addendum with Respondent's Bid or Proposal. Pursuant to NMSA 1978 §14-16-7, this acknowledgement may be signed by electronic signature.

I hereby acknowledge receipt of this Addendum.

Name:		Date:	
Title:		Signature:	
Company:			

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MODIFICATIONS TO THE SOLICITATION AND/OR Q&A

Please note the modifications to the Solicitation and/or questions received and County's answers.

Ref. No.	Modification and/or Question	Answers
1	<p>QUESTION:</p> <p>Abiquiu Unit 1 Runner Crack History and Repairs Based on the blade-crack chronology (see F. Abiquiu Blade Crack History), Unit 1 has exhibited recurring, propagation-type cracks at the blade-to-crown welds despite multiple in-field welding repairs. Please confirm that:</p> <ul style="list-style-type: none">a. These cracks continue to initiate and grow despite on-site weld repairs.b. No complete, shop-level runner refurbishment (including thermal treatment or full re-welding) has been performed on Unit 1, or on Units 2 and 3, to date.	<p>RESPONSE:</p> <p>a. The cracked blades are inspected regularly, and the weld has cracked, but the crack has not propagated further on the blade for over a decade.</p> <p>b. No shop level refurbishment has been completed.</p>
2	<p>QUESTION:</p> <p>Extent of Blade-Crack Damage in Unit 2</p> <ul style="list-style-type: none">a. Ultrasonic and dye-penetrant inspections in the past seems to have revealed embedded weld inclusions in the crown weld region on Unit 2 blades. Is it correct that the only propagating-crack concern remains localized to those crown welds?b. Does Unit 2 currently show any through-wall cracking or other wear beyond the localized indications?	<p>RESPONSE:</p> <p>a. Yes. No new concerns have been identified on Unit 2.</p> <p>b. No</p>
3	<p>QUESTION:</p> <p>Runner Refurbishment Requirement in the Proposal</p> <ul style="list-style-type: none">a. Our understanding of the draft proposal is that only Unit 1 requires immediate runner shop refurbishment. Please confirm.	<p>RESPONSE:</p> <p>a. Unit 1 does not require immediate refurbishment. We are seeking the engineer performing the assessment to review the inspection records, photos, annual run times and prior welding effectiveness. The Unit 1</p>

	<p>b. Aside from Unit 1, Units 2 and Unit 3 runners are currently assumed to remain in service in the next years provided no additional propagation-type cracks are discovered. Please confirm the County's initial intent on the above remaining units.</p>	<p>and Unit 2 runners will be accessible for inspection this winter. Engineer shall propose inspection and testing methods that they will perform to assess current condition. Based on records review, annual run times and new testing and inspection performed by Engineer, make a recommendation to refurbish or continue to monitor.</p> <p>b. We will continue to operate the units for years to come unless the findings in this assessment identify a major problem and recommend taking a unit offline.</p>
4	<p>QUESTION: NDE Examination Scope Across All Units To allocate NDE resources efficiently, would Los Alamos County support:</p> <p>a. Units 1 & 2: Full NDE of all blade-to-crown and blade-to-band welds (Likely Dye Penetrant Testing (DPT), Ultrasonic Testing (UT), and visual).</p> <p>b. Unit 3: Initial visual inspection only, deferring any ultrasonic or penetrant testing unless visual findings warrant it, given its newer runner and absence of known weld repairs.</p>	<p>RESPONSE:</p> <p>a. Yes</p> <p>b. Yes, we agree with this approach. We request the Engineer include a cost to perform the additional ultrasonic or penetrant testing if warranted.</p>
5	<p>QUESTION: El Vado Runner Condition and Optional NDE The El Vado runner was last overhauled in 2015 to the turbine OEM's specifications. Based on operator walk-downs, have any signs of cavitation pitting, surface frost, or impact erosion been noted on the El Vado runner that would justify a repeat NDE before scheduling its next overhaul?</p>	<p>RESPONSE:</p> <p>Same approach as 4.b. above. We request the Engineer include a cost to perform the additional ultrasonic or penetrant testing if warranted.</p>
6	<p>QUESTION:</p>	<p>RESPONSE:</p>

	<p>Net-Head Changes and Runner Design Assessment All three Abiquiu units operate under the same nominal net head. Given the recent head fluctuations and reductions since initial commissioning, do you agree that:</p> <ol style="list-style-type: none"> Units 1 and 2 (which are identical) and Unit 3 see comparable head-induced cavitation risks? We should evaluate potential runner-profile modifications or operational-range adjustments to mitigate cavitation? 	<p>a. Yes for Unit 1 and Unit 2. Flow and head durations curves used to size Unit 3 were developed 20+ years after those for Units 1 & 2. Flow and head conditions were lower when Unit 3's were developed due to long term drought and regional warming.</p> <p>b. Engineer shall inspect and perform NDE testing as part of the assessment. If cavitation concerns are found, further evaluation and/or corrective actions shall be a recommendation of the assessment and scheduled in the capital improvement plan developed in this assessment.</p>
7	<p>QUESTION:</p> <p>EI Vado Operating-Head Variations Finally, have there been any documented changes in the EI Vado net-head operating envelope—either seasonal or reservoir-management driven—that we should incorporate into the condition-assessment model and any potential runner-design review?</p>	<p>RESPONSE:</p> <p>There have not been any major deviations due to natural or operational changes. There have been major variances flow/head/operations due to an ongoing dam restoration project. No need for evaluation in this assessment.</p>
8	<p>QUESTION:</p> <p>We would appreciate any insight you might be able to provide regarding the anticipated review and award timeline, particularly to help us better define a tentative project start date and align our internal planning accordingly.</p>	<p>RESPONSE:</p> <p>We have identified some schedule milestones below:</p> <ul style="list-style-type: none"> July 29, 2025 – County Council Award Agreement July 30, 2025 - Notice to Proceed

		<ul style="list-style-type: none"> January 15, 2026 – both plants offline until April 1, 2026 LAC will try to accommodate a plant shutdown for testing/inspection by Engineer if scheduling the work is critical in delivering the capital improvement plan by March 1, 2026. March 1, 2026 – Capital Improvement Plan desired completion. This will allow us to include in our annual budget which is approved in March 2026.
9	<p>QUESTION:</p> <p>It would be helpful to get a general sense of the urgency or priority surrounding these assessments, especially as they relate to the County’s planning goals for defining and initiating the 10-year capital improvement strategy. We are flexible in our planning and can adjust our proposed schedule and resource allocations to align with the County’s desired timeline and level of urgency.</p>	<p>RESPONSE:</p> <p>As stated above, we would like to have the recommended 10-year capital improvement plan complete by March 1, 2026, or earlier, to include in our annual budget.</p>