

Tanana Chiefs Conference Request for Proposals Battery Energy Storage System (BESS) & Independent Power Producer (IPP) Controller

Addendum Number One (1)

September 24, 2024

The following corrections, changes, additions, deletions, revisions, and /or clarifications are hereby made as part of the request for proposals from the TCC Battery Energy Storage System (BESS) & Independent Power Producer (IPP) Controller.

Firms providing a proposal will acknowledge receipt of this addendum via email to Cortnie Doan at the following; cortnie.doan@tananachiefs.org

Final proposals to be emails to; cortnie.doan@tananachiefs.org

AD1-1 Question: Would you be willing to extend the submission deadline by two weeks?

AD1-1 Reply: Yes, updated deadline for submission & NOITA has been changed, see table below for updates.

SCHEDULE

The anticipated project schedule is as follows:

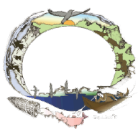
| | |
|---|--------------------------------|
| Registration/Question Deadline | September 19, 2025 |
| Final Addendum Issued | September 24, 2025 |
| Deadline for Quote | October 17, 2025 (2:00 PM AKT) |
| Issue Notice of Intent to Award (NOITA) | October 24, 2025 |
| Estimated execution of Construction Contract /Notice to Proceed | November 1, 2025 |
| Construction Completion | September 30, 2026 |

AD1-2 Question: Accommodation: are there community contacts available for local accommodation and meals?

AD1-2 Reply: The contact list will be made available to interested bidders upon request.

AD1-3 Question: Equipment: Are there community contacts available for local equipment rental/contractors for hire?

AD1-3 Reply: The contact list will be made available to interested bidders upon request.



AD1-4 Question: Hiring: Are there community contacts available for local hiring initiatives?

AD1-4 Reply: The contact list will be made available to interested bidders upon request.

AD1-5 Question: Is there an email attachment limit for TCC emails to receive?

AD1-5 Reply: TCC's email system has 20 MB size limit for its email server. If file size limitations prevent submission in a single email, bidders may send multiple emails. Each email must be clearly identified as part of a multi-email submission (e.g., Email 1 of 3', Email 2 of 3', etc.)

AD1-6 Question: EPS Eligibility: Is EPS excluded from bidding due to their role as the main engineering firm on the project?

AD1-6 Reply: We will not accept bids from EPS.

AD1-7 Question: Design: For stamped drawings, are structural and electrical stamps sufficient?

AD1-7 Reply: Correct, structural and electrical stamped (by an Alaska PE) are sufficient.

AD1-8 Question: Do you require stamped civil drawings with a grading plan, or are civil sub-disciplines excluded from the scope?

AD1-8 Reply: Civil drawings would be a cost alternate.

AD1-9 Question: Fiber communication: Who is responsible for installing the fiber connections between the BESS and the power plant?

AD1-9 Reply: The installation of the fiber connection between the BESS & power plant is the responsibility of the contractor.

AD1-10 Question: If not already included, should the contractor include fiber trenching/installation in scope?

AD1-10 Reply: Yes, the contractor should include fiber trenching & installation.

AD1-11 Question: Civil and Site work: Will civil trenching and foundation work be expected of the contractor, or will this be handled separately by local subs?

AD1-11 Reply: The contractor is responsible for the trenching, foundation, and all civil works.

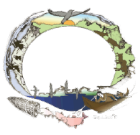
AD1-12 Question: Distance between BESS and Powerplant: Can you provide site layout distances between the BESS pads and the power plants to plan trenching/fiber/duct bank?

AD1-12 Reply:

Distance BESS to Powerplant (feet)

| | |
|------------|---------|
| Fort Yukon | 150 ft. |
| Ruby | 100 ft. |
| Grayling | 80 ft. |
| Huslia | 350 ft. |
| Minto | 100 ft. |
| Venetie | 90 ft. |
| Tok | 60 ft. |

Tok NOTE: The BESS is co-located with the solar, and the BESS will feed into to the Tok distribution grid via a dedicated transformer.



AD1-13 Question: Project Schedule: Is TCC looking to have projects completed all at the same time or in sequence?

AD1-13 Reply: TCC is looking to have projects completed no later than September 30, 2026.

AD1-14 Question: Would TCC consider a 3-week extension to allow bidders more time to solidify logistics and equipment availability for all seven project locations?

AD1-14 Reply: See reply “AD1-1”.

AD1-15 Question: What are the energy requirements, in kWh, that BESS systems should target for each of the seven communities?

AD1-15 Reply: Reference Table 1. in Attachment B

Table 1. Battery Capacity & Inverter Sizing

| Community | Capacity | Inverter Size |
|------------|----------|---------------|
| Ruby | 450 kWh | 250 kVa |
| Grayling | 450 kWh | 250 kVa |
| Minto | 450 kWh | 250 kVa |
| Huslia | 750 kWh | 500 kVa |
| Venetie | 520 kWh | 250 kVa |
| Fort Yukon | 2 MWh | 1000 kVa |
| Tok | 1.5 MWh | 1000 kVa |

AD1-16 Question: What is the maximum power, in kW, that the inverter system needs to meet for each of the seven communities?

AD1-16 Reply: “See Reference Table 1 above”

AD1-17 Question: What are the minimum reporting requirements, in seconds, that a cloud-based telemetry communication system should meet?

AD1-17 Reply: 15 second load data.

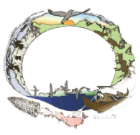
AD1-18 Question: What is the voltage and phase of the electrical distribution for each of the seven communities?

AD1-18 Reply: All the AVEC (Minto, Grayling, & Huslia) sites are intended to be connected on the 480VAC generation side of the transformers. The BESS supplier would need a 480V-to-480V isolation transformer depending on which inverter they propose to supply. (EPC Power requires an isolation transformer, some other manufacturers do not).

Ruby and Venetie have a 480VAC interconnection for now; even if the existing switchgear does not have room for expansion, the BESS could be tied into the step-up transformer outside the plant on the 480VAC side.

System Distribution Voltage (only Tok and Fort Yukon connect to the distribution)

| Community | Voltage | Phase |
|------------|----------|---------|
| Fort Yukon | 4.16 kV | 3 Phase |
| Ruby | 12.47 kV | 3 Phase |



| | | |
|----------|----------|---------|
| Grayling | 12.47 kV | 3 Phase |
| Huslia | 12.47 kV | 3 Phase |
| Minto | 12.47 kV | 3 Phase |
| Tok | 12.47 kV | 3 Phase |
| Venetie | 12.47 kV | 3 Phase |

BESS transformer interconnection voltage

| Community | Voltage | Phase |
|------------|----------|---------|
| Fort Yukon | 4.16 kV | 3 Phase |
| Ruby | 480 VAC | 3 Phase |
| Grayling | 480 VAC | 3 Phase |
| Huslia | 480 VAC | 3 Phase |
| Minto | 480 VAC | 3 Phase |
| Tok | 12.47 kV | 3 Phase |
| Venetie | 480 VAC | 3 Phase |

AD1-19 Question: We would please like to request a 3-week bid extension, moving the close date to October 24th.

AD1-19 Reply: See reply "AD1-1".

AD1-20 Question: Overhead Power Lines: What is the total scope in regard to overhead powerline work on each site?

AD1-20 Reply: If overhead powerlines are required to interconnect, then the contractor must coordinate with the local electric utility.

AD1-21 Question: Conceptual Drawings: The conceptual drawings provided – is it an approved/final design or a suggestion?

AD1-21 Reply: These are approved preliminary drawings.

AD1-22 Question: Distance between BESS and Powerplant: Can locations and distances from BESS locations to power plants be provided?

AD1-22 Reply: See reply "AD1-12".

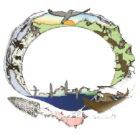
AD1-23 Question: Reclosure Location: Where is the reclosure going to be located on the one-line diagram? (From Fort Yukon Drawings)

AD1-23 Reply: There will be a recloser outside of the powerplant in Fort Yukon, these drawings are currently being updated.

AD1-24 Question: The ComAP InteliNeo 6000 microgrid controller system is specified in the contract documents. We are assuming this is preferred by the electrical utility AVEC (for some of the communities). Would other microgrid controller systems such as the Ageto ARC controller be an option?

Can you please provide the technical reasoning on why the ComAP InteliNeo 6000 controller is preferred over the Ageto ARC system (or other microgrid controller systems).

AD1-24 Reply: The CompAP microgrid controller system is preferred by AVEC. An equivalent controller system would need to be able to be compliant to the local electric utility and be easily operated/programmed by employees of the IPP & Utility. ComAP InteliNeo. TCC aims to standardize its equipment. Alternatives may be accepted upon approval by TCC and Utility.



AD1-25 Question: The RFP references Buy American Act (BAA) and "to the greatest extent possible" utilize materials produced in the United States. Are there any specific domestic content percentages required?

Reply: BAA abides by 48 CFR 52.225 which has domestic content percentages listed.

Is the project subject to the Build America Buy America (BABA) or just BAA? Reply: See chart below.

| Community/Project | BABA (Yes or No) | BAA (Yes or No) | FEOC (Yes or No) |
|-------------------|------------------|-----------------|------------------|
| Fort Yukon | No | Yes | No |
| Venetie | Yes | No | Yes |
| Ruby | No | No | Yes |
| Grayling | No | No | Yes |
| Minto | No | No | Yes |
| Huslia | No | No | Yes |
| Tok | No | No | Yes |

Does TCC have any BAA or BABA tribal waivers on utilizing domestic content? If so, when do these waivers expire? What is the specific text of the waivers (if any)?

Reply: TCC has waivers for both BABA & BAA for: Minto, Grayling, Huslia, Tok, and Ruby. Reference BABA WAV 2023-02

Is there any specific requirement for the battery cells to be produced in the United States?

Reply: For Fort Yukon which is BAA compliant, the cells (or manufactured product/s) must abide (48 CFR 52.225). For Venetie, the cells must be compliant with 2 CFR 184. Additionally, TCC is asking that the contractor produces FEOC compliant manufactured goods. FEOC compliance applies to all projects.

AD1-25 Reply: "See above answers".

AD1-26 Question: Can TCC, as a tribal consortium, have a preference for contractors based in the TCC region communities of 10 points in the evaluation criteria scoring.

AD1-26 Reply: The proposal review & selection is highlighted in the RFP in Section L part 2 (Evaluation Criteria) on page 10. Verification with funding sources has been requested, preference may be applied.

AD1-27 Question: Please specify who the project manager will be on these projects (whether a TCC employee or a separate entity).

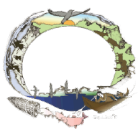
AD1-27 Reply: All project managers are Tanana Chiefs Conference employees.

AD1-28 Question: With the uncertainty in the federal government this year, many grants and/or funding sources have been put at risk of deobligating funding. Please confirm that the funding sources for these projects are not at risk, and/or whether these funds have been received by TCC already, or if drawdowns will be made as the project (s) progress into 2026.

AD1-28 Reply: All Funding is obligated. TCC cannot guarantee that funding can or cannot be terminated at any point.

AD1-29 Question: Controller Specification: The specification lists a ComAp controller but does not indicate if alternatives are acceptable.

Question: May we supply a controller system equal to ComAp that meets the required specification?



Microgrid Controller General Equipment Requirements:

- The microgrid controller, a Comap IntelliNeo controller, must have an approved technical specification, installation process, commissioning protocol; reviewed and approved by TCC & the local utility before purchasing for reimbursement.

AD1-29 Reply: See reply "AD1-24".

AD1-30 Question: Enclosure Details-

Is there a specification for the enclosure (materials, NEMA rating, etc.)? Reply: BESS enclosure specifications are provided in Table 3: Summary of BESS Requirements, in the original solicitation, as well Attachment B - BESS & Controller Technical Specifications.

Is a floor plan available for the enclosure layout? Reply: The BESS floor plan is to be designed & outlined by the proposer with final approval from Tanana Chiefs Conference.

Is a one-line diagram available specific to the enclosure and its internal/external connections? Reply: A BESS one-line diagram is not available; it is to be designed & outlined by the contractor. With final approval from Tanana Chiefs Conference. Attachment A provides preliminary BESS conceptual drawings.

AD1-30 Reply: "See above answers"

AD1-31 Question: Isolation Transformer & Feeder Responsibility

Per the Responsibility Matrix on page 50, it appears the installing contractor is responsible for the installation of the primary side of the isolation transformer at 12,470V.

Please confirm. Reply: That is correct, it is the responsibility of the contractor to make the installation to the primary side of the isolation transformer, unless otherwise stated by the local authority having jurisdiction.

If the installing contractor is responsible for the primary feeder, can you provide the estimated length of this feeder for each site? (Satellite imagery is insufficient for accurate estimation.)

Reply: Estimated feeder lengths cannot be made until contractor provides a response for the preliminary BESS design. Once designs are produced, the contractor will work with the electric utility to finalize the designs, which would include the feeder length.

AD1-31 Reply: "See above answers"

AD1-32 Question: Wiring Method – BESS to Transformer

What is the specified wiring method between:

The BESS container and the outdoor fused disconnect switch, and the disconnect switch to the transformer's secondary terminals?

Reply: All wiring methods must be code compliant, and the contractor must provide preliminary drawings or methodologies for wiring to equipment in the proposal.

a. Is the method overhead or underground?

Reply: All wiring methods must be code compliant, and the contractor must provide preliminary drawings or methodologies for wiring equipment in the proposal.

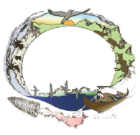
b. If underground, please clarify:

Are direct-buried cables acceptable?

Reply: All wiring methods must be code compliant; proposer must provide preliminary drawings or methodologies for wiring to equipment in the proposal. Any underground wiring methods must be direct buried conduit.

Or should conductors be installed in:

Direct-buried conduit, or Concrete-encased duct bank conduit?



Reply: All are acceptable per NFPA 70, but project-specific preference is needed.

AD1-32 Reply: "See above answers".

AD1-33 Question: Who will be providing the poles for the overhead drops from the BESS to AVEC?

AD1-33 Reply: Contractor to coordinate with local electric utility.

AD1-34 Question: What are the distances from the BESS units to the AVEC point of connection?

AD1-34 Reply: See reply "AD1-12".

AD1-35 Question: What will the contractor be connecting to on the AVEC side?

AD1-35 Reply: Contractor will coordinate electrical and communication interconnections to the utility company powerplant, from both the BESS & Controller to utilities equipment. Contractor to coordinate with utilities.

AD1-36 Question: Can the electrical be buried?

AD1-36 Reply: See reply "AD1-32".

AD1-37 Question: Is aluminum acceptable for Overhead/Burial?

AD1-37 Reply: All wiring methods must be code compliant; contractor must provide preliminary drawings or methodologies for wiring equipment in the proposal.

AD1-38 Question: Can the delivery timeline be pushed out to accommodate BABA?

AD1-38 Reply: Contractor can propose an alternate timeline, as long as there is sufficient explanation as to why additional time is needed to complete the project. Subject of funding source approval.

AD1-39 Question: Please confirm what is the expectation for controls between the utility, (Vendor's) IPP Controller and others?

a. Option 1 The utility will have their own ComAP IntelliNeo 600 that interacts with (Vendor's) IPP Controller. The utility's controller will be the microgrid supervisory controller. (Vendor's) plans to provide an IntelliNeo specifically for our BESS only, IPP Controller. This will be controlled by the utility microgrid controller.

b. Option 2 (Vendor's) IntelliNeo will be both the IPP controller and the utility microgrid supervisory controller, (Vendor) is only in charge of programming the BESS portion to match the utility expectations.

AD1-39 Reply: b. Option 2 is preferred. IntelliNeo will be both the IPP controller and the utility microgrid supervisory controller, Contractor is responsible to coordinate this controller with the utility. Contractor is also in charge of programming the Solar Inverter.

AD1-40 Question: Please confirm attachment A,

a. If shown in project drawings, (Vendor) is to provide (1-2x) MV Step Up Transformer and (1-2x) AC Fused Disconnects.

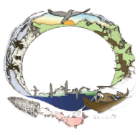
Reply: Yes, that is correct. Vendor to provide these transformers and disconnects.

b. Are we allowed to combine the transformers to save costs?

Reply: Yes, that is correct. Costs can be combined.

c. Layouts do not appear to provide scale/distance. Please provide.

Reply: See reply "AD1-12"



AD1-40 Reply: "See above answers".

AD1-41 Question: Please confirm that UL 9540 is NOT required. These tend to be custom solutions and likely will only have UL 9540a. UL 9540 will have major cost and schedule impacts with field certifications. UL will not certify them in our Factory.

AD1-41 Reply: UL 9540 is recommended, but not required. UL 9540A is required, specifically the test methodology for risk and mitigation strategies for fire & thermal runaway.

AD1-42 Question: Please confirm if project ambient temperature rating should -40C or -50C. The RFP and attachment B disagree.

AD1-42 Reply:

Mean Daily Maximum July: 84.2 F = 29 C

Record Maximum July: 90 F = 32C

Mean Daily Minimum January: -24.2 F/-31.2 C

Record Low January: -71F = -57 C

AD1-43 Question: Can you provide the peak load for each site, or 1C batteries are significantly more expensive,.5C batteries are common. If the RFP requests > .5C, would you want us to size to power of energy?

Reply: TCC would accept 0.5 C batteries. Peak Loads, below.

| Community | Peak Load |
|-----------|-----------|
|-----------|-----------|

| | |
|------------|--------|
| Fort Yukon | 710 kW |
|------------|--------|

| | |
|-----|---------|
| Tok | 1000 kW |
|-----|---------|

| | |
|----------|--------|
| Grayling | 120 kW |
|----------|--------|

| | |
|-------|--------|
| Minto | 160 kW |
|-------|--------|

| | |
|--------|--------|
| Huslia | 230 kW |
|--------|--------|

| | |
|------|--------|
| Ruby | 130 kW |
|------|--------|

| | |
|---------|--------|
| Venetie | 200 kW |
|---------|--------|

a. Ex. 250kW / 400kWh

i. Do you want us to size to

1. 250 Kw / 500kWh

2. 200 kW / 400 kWh

Reply: Contractors can also proposal alternative capacities, but must submit a proposal on what TCC originally sized in Attachment A.

AD1-43 Reply: "See above answers"

AD1-44 Question: Will you accept transformers and inverters that are rated > 480 VAC for the LV system? Such as 600V or 800V?

AD1-44 Reply: On the low voltage side the transformer can be > 480V; the high voltage or distribution side must be matched with the electric utility.

AD1-45 Question: Please provide utility requirements/standards for each project site

AD1-45 Reply: To be provided upon selection of contractor(s).

AD1-46 Question: Per Attachment B; please provide more details to what is the Auxiliary Power Supply (ARC Control Cabinet)

AD1-46 Reply: This was meant to be IPP controller, not auxiliary power supply.