

REQUEST FOR PROPOSALS: Addendum #1

Microgrid Controls

VTA Project #: 2019-05

From: Angela E. Grant, Administrator

Subject: Project VTA #2019-05 Request for Proposals

Procurement Schedule - **REVISED**

RFPs due in VTA Office by 2 pm: Friday ~ March 8, 2019

Award and Notice to Proceed: Friday ~ March 15, 2019

Timeline Clarifications

- The ESS and supporting electrical infrastructure will be installed in the spring and commissioned in June 2019
- The PV will be installed in the fall and commissioned in November or December 2019.
- 12 bus chargers will be installed by the end of June 2019
- Approximately four (4) to six (6) bus and lighter duty van chargers will be added annually, until full fleet is transitioned to electric.
- 12 bus chargers will be installed by the end of June 2019
- **Outdated electrical drawings are being provided for full conceptual purposes. All electrical equipment has been relocated from original locations in these drawings. Final PV Canopy Drawing is being provided and shows new electrical equipment locations.**
- **Purchased Electrical Switch Equipment and Automatic Transfer Switch Drawings are also being provided.**

Questions Submitted & VTA Responses

1. Is VTA only looking for the microgrid controls equipment or do you want an EPC service to provide the equipment, develop the design to integrate it, install it, and commission it?

VTA Response: The VTA is looking for equipment, installation, commissioning, and ongoing technical support.

2. It looks like a new switchgear has been installed at the maintenance and operations center. Can drawings / data sheets on that switchgear be shared? It will help understand whether the protective devices, electrically-operated breakers, etc. are available.

VTA Response: We have temporary switchgear installed. Permanent drawings, including site layout are being designed now. We have permanent switch gear drawings, original site plan drawings – but locations of ESS, generator and switch gear have changed.

3. Please confirm future microgrids will be stand-alone or if the control system for this microgrid will control the future microgrids too.

VTA Response: Future microgrids will be independently operable; however it is desirable to have the ability to combine data for reporting.

4. Are the BESS & solar PV already installed? If not, when do you expect them to be installed / commissioned?

VTA Response: BESS will be installed and commissioned by the end of June 2019. PV will be installed in November 2019.

- Our control solution offers a set of tools for remote monitoring and updating of the platform. Normally, these tools are hosted on the cloud, where communication from the servers to the on-site devices happens through a secure channel (VPN). We understand that the internet connection could be limited at the sites, so we also offer an on-prem alternative. Are remote connections (using internet) allowed for this project?

VTA Responses

1. If cloud access is lost, the microgrids must be able to function normally, and the VTA must have the ability to access controls on-site.
2. Key data on battery operation and performance must be stored and available locally in order to satisfy the conditions of the ACES grant. It may be stored in the cloud as well.

- In the RFP, additional EV Charging Stations are describes as being considered for the final build-out. Is that final build-up part of the timeline (I.e. Operational by Fall 2019)?

VTA Response

12 BYD EV charging stations will be in place and operational at the main site on 11 A St. before Fall 2019. Three Momentum Dynamics charging stations should be in place at the first remote site by late fall 2019. Subsequent charging stations will be added in annual phases at 11 A St (four to six per year,) and one or two more remote sites will be built in early 2020 and/or 2021.

- Regarding payment, the RFP says there is a preference to do it as a Lump Sum Payment. Is there flexibility on arranging a payment schedule based on milestones? If not, when would this single payment be made (i.e after installation, and ahead of the five years of operations)?

VTA Response

The VTA would be open to two to four payments, based on milestones submitted in RFP and prior to contract signing. However, the VTA will not provide a deposit.