

# Martis Valley Substation Modernization 2026

## Clarifying Responses #2

April 22, 2026

This Clarifying Response No. 2 consists of 8 pages (all 8.5" x 11"). It is the responsibility of the proposer to assure and guarantee that the proposer has received the response in its entirety, and that they accept all condition contained herein.

The following question responses, clarifications and/or modifications shall be incorporated, as appropriate, into Drawings and Specifications for the above-referenced project and shall become part of the Bid Document (Contract) package.

### Question 1.1

Is the contractor responsible for the removal and disposal of the Circuit switcher and 12 kV bus apparatus?

### Response 1.1

Reference drawings MV-D100 and MV-D101 in the bid documents for scope of demolition and removal included in the bid. The reclosers and some of the insulators will be returned to the District. Removal and disposal of the SF6 interrupters in the circuit switcher is not part of this bid. TDPUD will be responsible for removal of the SF6, the contractor shall dispose of the rest of the circuit switcher after the SF6 has been safely removed. The contractor shall coordinate demolition with TDPUD staff to not damage the circuit switcher in any way until the SF6 has been removed.

### Question 1.2

Does TDPUD hold permits for this work with the Town of Truckee?

### Response 1.2

The Town of Truckee has proposed to expand the scope of the Phase 1 permit to include the work done under this bid. Town review of the project plans is still ongoing, and no final agreement has been reached. Per section 01450 of the bid documents, all permits are the contractor's responsibility.

### Question 1.3

Can the District provide a copy of the Phase 1 construction (2025) permit from the Town of Truckee?

### Response 1.3

The District does not have a copy of the Phase 1 permit as that permit was pulled by the Phase 1 contractor. Bidders may be able to obtain a copy of the permit from the Town of Truckee.

### Question 1.4

Is the contractor responsible for demolition and removal of the large concrete foundations under the 12 kV distribution bus? What are the requirements for the backfill?

Response 1.4

Yes, the contractor will be responsible for demolition and removal of the concrete foundations as shown in the bid documents, as they will conflict with the ground grid improvements in those areas. Backfill shall comply with the requirements of Bid Section 02200 – Earthwork, and Bid Section 02220 – Aggregate Materials.

Question 1.5

What are the constraints and requirements for the substation outage?

Response 1.5

The new control building is currently receiving power from the substation service transformer in the existing substation yard. The contractor must have a plan in place and approved by the District to maintain the voltage of the battery bank in the new control building within the manufacturer's requirements prior to the District deenergizing the substation for work to commence inside the existing substation yard. The substation is required to be back in service on or before December 1<sup>st</sup>, 2026.

Question 1.6

What is the exterior material of the existing control house?

Response 1.6

The exterior material of the existing control house is metal. The control house is not being removed as part of this project.

Question 1.7

Is the contractor responsible for performing aggregate testing for the project?

Response 1.7

Reference Bid Section 01410 – Independent Testing and Bid Section 02220 – Aggregate Materials. The contractor is responsible for performing aggregate testing as indicated.

Question 1.8

Is "end-to-end" testing of the transmission protection part of the bid?

Response 1.8

No, the testing requirements in the bid are limited to the equipment and controls owned by the District. The district does not own or operate the transmission system or the protection equipment associated with it, and the Martis Valley substation high-side isolating device does not participate in the transmission provider's protection design.

Question 1.9

What manufacturer and models of protective relays are included in the testing and commissioning requirements?

Response 1.9

Reference bid section 16993 – Testing and Startup – for the quantities of the SEL relays that the contractor is responsible for testing and commissioning. The District will provide the relay settings to be used.

Question 1.10

Are the voltage regulators being removed?

Response 1.10

The existing voltage regulators are not being removed as part of this project.

Question 1.11

What is the extent of the contractor's responsibility for testing of the SCADA system?

Response 1.11

The contractor is responsible for testing proper indication of all the SCADA points inside the substation to the SEL RTAC and DPACs in the SCADA panel inside the SCE. The contractor is not responsible for the programming of the SCADA backend or testing of SCADA indications in the TDPUD SCADA system, but will coordinate the testing in the substation with TDPUD staff to allow verification of indications in the TDPUD SCADA system.

Question 1.12

What is the desired thickness of AB subgrade to be placed for new foundations?

Response 1.12

The AB subgrade is required to a depth of 18" below grade if the bottom of the foundation footer does not reach this minimum embedment depth.

Question 1.13

The conduit plan shows a total of 6 bollards, but the design plan shows 3. Which is correct?

Response 1.13

The quantity of 6 shown on various drawings, including the foundation and conduit plans, is correct. The contractor will coordinate the final placement of bollards with the District.

Question 1.14

Is TDPUD willing to extend the bid period?

Response 1.14

The District is not willing to extend the bid period at this time.

Question 1.15

If any compaction testing is required to be performed by the contractor, can the applications/needs of when and where it will be required be clarified?

Response 1.15

Reference Section 02200, Part 3, Subsection 10 – Field Quality Control for soil compaction density testing requirements that the contractor is responsible to provide.

Question 1.16

Is foundation rebar inspection required before any concrete placement?

Response 1.16

Reference Section 03001 – Concrete, Section 00800. Concrete shall not be placed until reinforcing steel and embedded items have been reviewed by the District.

Question 1.17

In the Testing and Startup specification, it states to “coordinate and pay for Meiden America Switchgear technical service personnel to be onsite during testing and commissioning of the VCB. Is this the contractor’s responsibility, and does the District have contact information for Meiden?

Response 1.17

Yes, Meiden offers a service to have their personnel onsite to supervise the testing and commissioning of the VCB, and it is the contractor’s responsibility. Meiden’s Northern California representative is Matzinger-Keegan Inc. Contact is Josh Barklow, P.E., [josh@mkireps.com](mailto:josh@mkireps.com).

Question 1.18

Is the contractor responsible for all scoping and items listed in the Testing and Startup Specification 16993? Some of the equipment listed does not appear to be part of the project scope, including the (8) 15kV vacuum circuit breakers.

Response 1.18

The contractor is responsible for the scope and items listed in Section 16993 – Testing and Startup. None of the equipment in the switchgear and control enclosure has been commissioned and placed into service. The listing of equipment in the reference bid section reflects the items that the District wants to be tested and commissioned prior to being placed into service.

Question 1.19

Assuming the new 145 kV circuit breaker is filled with SF6, is it the contractor’s responsibility to provide and install the SF6 for the new breaker?

Response 1.19

The new 145 kV circuit breaker is a dry air vacuum breaker, not an SF6 breaker. No SF6 will be provided or installed.

Question 1.20

Is it the contractor's responsibility to remove the SF6 gas from the existing S&C Mark V 120 kV circuit switcher that is being replaced?

Response 1.20

It is not the contractor's responsibility to remove the SF6 gas from the existing circuit switcher. The District will remove the SF6 gas prior to demolition and disposal of the circuit switcher.

Question 1.21

Can the contractor's fiber-optic scope of work be clarified as to what it entails? Does it include testing or cable splicing?

Response 1.21

Reference sheets 2 and 5 of the medium voltage design. The fiber-optic scope of work in the bid is procurement of the fiber-optic cable and pulling it into the conduits as shown in the drawing. The cable splicing and testing is not included in the bid, the District intends to have its own contractor do the splicing and testing.

Question 1.22

Will the entire existing yard be de-energized upon the contractor's arrival and throughout the project? If not, can the outage(s) schedule please be provided?

Response 1.22

The existing yard will remain energized and in service until a plan to maintain the battery bank in the new switchgear & control enclosure has been agreed on by the District and the contractor. Once this plan is in place and any related work has been done, the District will de-energize the existing yard. It is anticipated that this outage will continue for the duration of the project. The contractor shall hold and be responsible for the clearance.

Question 1.23

Are the existing soils clean for disposal (i.e, not contaminated)?

Response 1.23

The District is unaware of any contamination of the existing soils. In the case that contamination is discovered, additional costs to the contractor will be considered under the change order process. The District may choose to use its own contractor to address any such discovery.

Question 1.24

Can any of the excavation spoils from the project site be utilized for backfill?

Response 1.24

The contractor may utilize excavation soils from the project site for backfill if the soils meet the requirements in Section 02200 – Earthwork, Section 02220 – Aggregate Materials and other requirements from the project specifications and drawings as applicable (compaction, etc).

Question 1.25

Can the scope surrounding the existing battery bank and station service feed in relation to the new station service be clarified? Are there any schedule or timing restrictions? What is the load demand required for a temporary generator?

Response 1.25

The existing station service is being reconfigured to the new transformer location on the dip structure, serving the new switchgear and control enclosure as well as the old control house (repurposed to storage) and existing yard panels. The new alternate station service is being brought in from a new transformer east of the driveway to provide backup station service to the switchgear and control enclosure. The existing battery bank for the old control house is to be removed and disposed of. The new battery bank in the switchgear and control enclosure is to remain in service for warranty reasons. The peak demand of the new switchgear and control enclosure is 8.3 kW since it was installed last year, with a peak energy daily usage of 107 kWh.

Question 1.26

Does the District want any of the removed/demolished equipment and/or materials returned?

Response 1.26

The District intends to keep the existing reclosers and some of the existing porcelain insulators that are suitable as spares for other substations. Some of the aluminum bus may be kept also. All other equipment and materials will be disposed of by the contractor.

Question 1.27

The “Rock Excavation” line item on the bid schedule has a quantity of 20 hours. Will the contractor be compensated for any “Rock Excavation” efforts for any scope of work on the project beyond 20 hours?

Response 1.27

Reference Section 02200 – Earthwork, Part 3, Subsection 5 for what constitutes “Rock Excavation”. Rock excavation that has been approved by the District in excess of 20 hours will be paid out to the contractor at the hourly rate included for that line item on the bid schedule.

**Question 1.28**

Is the contractor responsible for any startup/commissioning of the security camera system? If so, can detailed information on what will be required be provided?

**Response 1.28**

Reference Section 16750 – Substation Camera System. The contractor is responsible for testing and verification of the network cables but is not responsible for startup/commissioning the security camera system. Per the referenced section, the contractor shall coordinate with the District to verify functionality of the cameras in the District’s camera management software.

**Question 1.29**

Is the contractor responsible for procuring all cable shown on the Cable Schedule (drawing MV-E206)?

**Response 1.29**

Yes, procurement of the control wiring, fiber-optic and network cables shown on the cable schedule is the contractor’s responsibility.

**Question 1.30**

If there are any contractor furnished material lead times that won’t work with the construction schedule, will the District be able to provide them? If not, how should this be accounted for within the contractor bid submission?

**Response 1.30**

The District does not stock most of the materials that are designated for the contractor to procure. If the contractor cannot procure any of the materials in a timeframe that will work with the construction schedule, then the contractor should list the material(s) on the exceptions page as an exception to the relevant milestone or substantial/final completion dates listed in the bid documents.

**Question 1.31**

Section 01560 states that the District shall conduct daily inspections of the project work site to verify SWPPP compliance. Will the District provide QSP/QSD weekly/monthly inspections for the duration of the project?

**Response 1.31**

The District is not providing QSP/QSD inspections for the project.

**Question 1.32**

Will the contractor be responsible for obtaining a Hazardous Materials Business Plan for the existing SF6 and transformer oil on site?

Response 1.32

The contractor is not responsible for obtaining a Hazardous Materials Business Plan for the project. The existing SF6 and transformer oil are not part of the contractor's scope of work.