

UNITED STATES ENERGY ASSOCIATION

United States Energy Association
Energy Technology and Governance Program (ETAG)

Cooperative Agreement #AID-OAA-12-00036

REQUEST FOR PROPOSALS (RFP)

AID-OAA-12-00036-2019-709-01

**Electric Distribution Network Simulation
Modeling Software and Training**

Questions & Responses to RFP

- 1. Does the Software have to be delivered as well? The same question for Licenses? Who owns the Software after the Project?**

The winning offeror will provide and install a single software license for each of the 11 member DSO organizations. Each organization will be the owner of their respective license after the end of the project.

- 2. Does the Project include software implementation (integrations, securities, model formation and maintenance, hardware, etc...)?**

The winning offeror will provide training on the use of the software. USEA will contract with another organization to assist in the development of the models. Please refer to the RFP regarding M&S.

- 3. What is estimated time of Project implementation?**

USEA intends to purchase the software upon selection of the winning offeror. All trainings need to be completed by the end of December 2020.

- 4. What is the indicative budget for the 11 sub-projects (DSOs)?**

This will depend on the price provided by the winning offeror and the budget constraints of USEA.

- 5. Who are the producers and the owners of SCADA, GIS, EMS and DMS systems that must be integrated?**

Each member DSO is the producer and owner of the SCADA, GIS and DMS systems that must be integrated.

- 6. Does the five-page limit refer to a total combined limit of 5 pages for the cost proposal and technical proposal?**

The five-page limit refers to the technical proposal.

- 7. Will USEA also fund the cost associated with travel time directly or should this be included in the total cost?**

All labor, including labor associated with travel time, should be included in the total fixed cost.

- 8. Does USEA have a preference between time and materials or fixed price for the labor component of the training workshops?**

Fixed price. All proposed labor costs, including labor related to training, should be included in the total fixed cost.

- 9. Are you able to provide an indicative estimate on when the training workshops will be scheduled?**

USEA expects to conduct the training workshops in conjunction with the quarterly meetings of the USAID/USEA DSO Security of Supply Working Group which are normally scheduled in February/March, June/July, and October/November. The current phase of the project is scheduled to end no later than December 2020.

- 10. What voltages (in kV) do you propose be modelled?**

This software is for distribution utilities, meaning the voltage range will be between 0.4 and 110 kV.

- 11. Is this a balanced three phase model, a single phase feeder level model, or both?**

Both.

- 12. When you state “ability to integrate with existing...applications” do you mean to read/write data or do you mean directly control an EMS, SCADA, or smart grid application?**

To read/write data.

- 13. Please define in greater detail what you mean by Reliability Analysis. Is this similar to the analysis performed to show compliance with the North American Electric Reliability Corporation’s TPL-001-4 Reliability Standard?**

Reliability Analysis is used to determine the frequency, average duration and cost of network component failures, leading to supply interruptions. Commonly used indicators are SAIDI, SAIFI, CAIDI and ENS.

- 14. Please discuss what is meant by Investment Analysis (Present Value). Do you wish to track asset depreciation over its lifespan and return a net present value by year?**

Investment analysis should enable evaluation and comparison of different investment alternatives. At a minimum, changes in operating costs due to the observed investment (costs of losses, costs of energy not supplied or some other way of evaluating continuity of supply, maintenance costs), should be provided. Preferable (but not obligatory) is a comprehensive module considering discounted (present) values of investment, its depreciation and residual value at the end of the observed planning period, as well as operating costs.