



**Request for Information (RFI)
RFI-2024-003**

**Engineering Grounding Software for Substations and Lines
Solution**

May 14, 2024

Submit Responses To: Stephanie Waits
Phone: 918.960-2221
E-mail: stephanie.waits@grda.com

NOTE: If Respondent has any questions pertaining to the enclosed RFI, direct them to the Buyer as listed above. Only answers provided by the GRDA Central Purchasing Unit will be considered official and valid by GRDA.

NOTICES/INSTRUCTIONS

1.1 INTRODUCTION

This request is for information only to assist the Grand River Dam Authority in determining the best software solution for substations and lines grounding grid and lightning protection design and analysis program.

1.2 PURPOSE

The purpose of this Request for Information (RFI) is to solicit technical and performance narratives along with suggested pricing information from vendors and identify additional supply or product resources.

1.3 REQUIREMENTS

- **Ground grid analysis**
- **Lightning protection analysis**
- **Use for substations and lines**
 - New and existing grids
- **Efficient analysis algorithms**
- **Graphical views of analysis**
- **Allow for rapid analysis of various design alternatives**
- **Conforms to the following:**
 - IEEE 80-2013: Guide for Safety in AC Substation Grounding
 - IEEE 665: Guide for Generating Station Grounding
 - IEEE 837: Standard for Qualifying Permanent Connections Used in Substation Grounding
 - IEEE 998-2012: Guide for Direct Lightning Stroke Shielding of Substations
 - IEEE 2778: Guide for Solar Power Plant Grounding for Personnel Protection
- **Server license**
 - Single license, one user on the application at a time.
 - User security for logging into the system
- **Reports**
 - Mathematical
 - Graphics

1.4 RESPONSE REQUIREMENTS

Please keep your response to 10 pages or less. RFI responses should contain the following:

▪ Contact Information

Please provide the following contact information:

- Company Name
- Address
- Name of the individual who will act as primary point of contact for inquiries
- Contact Person's Telephone Number
- Contact Person's Email Address

▪ Comments

Please provide your evaluative comments on the project description and requirements outlined in this document. Include any suggestions or advice regarding the design,

implementation, management, technology, etc. of this solution. Detail what additional information or clarifications would be needed in order to prepare a comprehensive proposal in the future. Please include with your response your past work history and years of experience on projects of a similar scope.

- Approach

Based on the project information provided to date, briefly describe the approach you would recommend for this project and why.

- Pricing

Indicative pricing, or a rough estimate, requested for budgetary purposes. If separate modules, please price individually.

*****PLEASE DO NOT PROVIDE A FORMAL QUOTE OR PROPOSAL FOR THIS RFI*****

- Site Visit

No site visit is required at this time.

1.5 **SUBMISSION OF INFORMATION**

Written responses must be submitted no later than **June 28, 2024, at 5:00 PM CT.**

Responses to this RFI must be submitted via email to Stephanie Waits @ stephanie.waits@grda.com

Preparation and submittal of a response shall be at the expense of the vendor and at no cost to GRDA.

Any questions pertaining to this RFI must be sent in writing to Stephanie Waits at stephanie.waits@grda.com by no later than **June 14, 2024, at 5:00 PM CT.** Only answers provided by the GRDA Central Purchasing Unit will be considered official and valid by GRDA.

1.6 **OUTCOME**

The Grand River Dam Authority does not guarantee any formal solicitation will be generated based on this RFI.