

West Substation



Tuesday, August 2, 2016
Pre-Proposal Conference

Meeting Agenda

Part I: General

Part II: Submittal

Part III: Project Overview

Part IV: Questions



General

- Welcome
- Introductions
- **Questions:** llanier@uncc.edu
- **Updates:** facilities.uncc.edu/advertisements
- Last date to submit questions is August 10th at noon
- Final Addendum posted no later than August 12th
- HUB & Small Business Enterprise are not considerations for designer selection



Meeting Agenda

II. Submittal

- Schedule
- Format
- Organization
- Selection Criteria



Submittal

Schedule

- Proposal Due Date August 16th at **2:00 PM**
- Shortlisting to be complete by late-August
- Interviews with selected firms will be held on the afternoon of September 7, 2016
- Projected Notice to Proceed Date late September
- Complete Advance Planning by March 31, 2017
- Note: This is an Advance Planning Submittal with option to retain firm for full design services



Submittal

Format

- No larger than 12 ½” in height x 9 ½” in width
- Provide five (5) printed copies & one (1) digital copy
- 40 page limit (20 double sided pages)
 - Page limit includes all printed pages, but not covers, tabs, clear covers, blank pages, cardstock backs, etc.
 - Page count will be derived from digital copy, so omit all blank pages from the digital version



Submittal

Organization

- Provide Information in the following Order:
 - A. Required Submittal Cover Sheet
 - B. Designer's Supplemental Information Form (or Designer's Staffing Information Form)
 - C. Cover letter (optional)
 - D. SF330 Part I & II (Make sure to fully complete and submit both parts!)

NOTE: PLEASE USE **BOLD FONT** FOR ALL **PROJECT COSTS**!
 - E. Supplemental Information organized into ten (10) categories with subheadings matching the following ten (10) Designer Selection Criteria



Submittal

Selection Criteria

- Submittals must clearly provide information for each category below utilizing the numbering system and categories for the submittal subtitles.
 - (1) Specialized or appropriate expertise in this type of project.
 - (2) Past performance on similar projects.
 - (3) Adequate staff and proposed design or consultant team for the project.
 - (4) Current workload and State projects awarded.
 - (5) Proposed design approach for the project including design team and consultants.
 - (6) Recent experience with project costs and schedules.
 - (7) Construction administration capabilities.
 - (8) Proximity to and familiarity with the area where project is located.
 - (9) Record of successfully completed projects without major legal or technical problems.
 - (10) Other factors that may be appropriate for the project.



Meeting Agenda

III. Project Overview

- Budget
- Intent
- General Information
- Key Challenges



Project Overview

Budget

- Total Budget: \$6.5M including soft costs (this includes the Advance Planning, Design, & Construction)
- Current budget authorization: \$650,000

Intent

- Design and siting of a second electrical substation to provide redundant electrical power supply of campus critical loads, ensuring reliable power supply for research activities and business continuity.



Project Overview

General Information: West Substation



Substation #2 Proposed Location

- Determine appropriate site location, placement, and routing of the substation
- Preliminary design options for distribution and tie-in methodology
- Consolidation of critical load circuits
- Substation sizing



Project Overview

General Information: West Substation



Substation #2 Proposed Location Enlarged

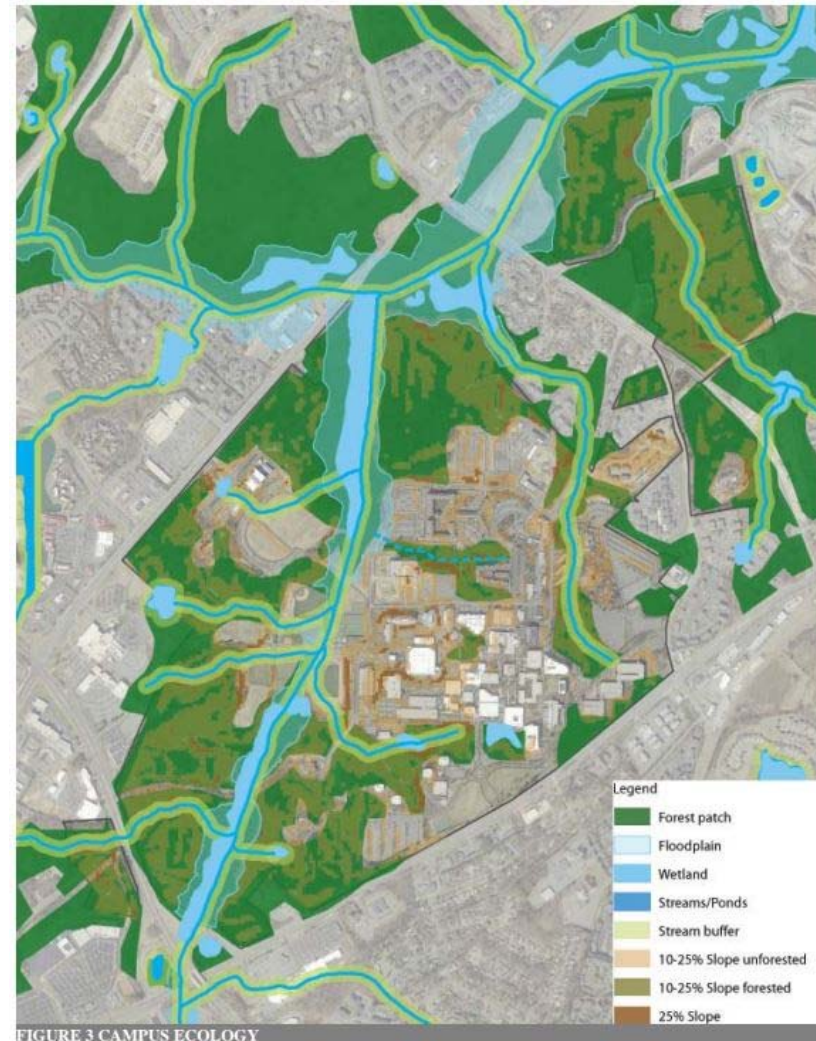
- Present preliminary design options for proposed routing from Duke Energy's 100 KV-supply to the proposed West substation
- Simplicity of design, and economical construction
- Requires thorough coordination between the University and Duke Energy



Project Overview

General Information: West Substation

- Consideration of campus ecology in siting the substation



Project Overview

Key Challenges

- Substation siting and sizing appropriate to carry identified campus critical loads
- Determining tie-in method
- Integration into existing campus infrastructure
- Coordination between the University and Duke Energy



Meeting Agenda

IV. Questions



Campus Map

