

## Reference - Cynergy Electric Company, Inc.



**Metropolitan Washington Airports Authority  
Reagan National Airport Electrical Feeder  
Replacement  
Project No. DT1702**

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Cynergy was awarded a Task Order contract for \$190,603.00 in August 2019 for the replacement of 34.5KV feeders Nos. 697 & 698 serving the parking structure B/C from the North Substation

The nature of the installation being on Airport property involved a great deal of scheduling due to the feeders supplying power to essential buildings that were affected. Confined space permits and Lock/tag out procedures were also paramount to successful completion of the project.

Principle features of the project were:

- Replace 34.5KV cables serving the North Substation thru existing duct-banks and manholes
- Provide 35KV 900AMP rated all copper dead-break junctions in manholes
- Provide 35KV Raychem heat shrink inline splices in manholes
- Provide 35KV rated live front terminations
- Provide non-metallic cable arms and stanchions in manholes
- Provide 35KV rated dead-front load-break elbows
- Provide grounding, identification tags and arc-proof tape in manholes
- Provide third party NETA testing on cables

All work was performed by qualified and certified high voltage technicians. All technicians go through annual OSHA training for confined space, lock-out/tag-out, electrical safe work practice, ARC flash and many other certifications. Cynergy owns and operates an APS75 diesel driven underground hydraulic cable trailer. The trailer is designed specifically to install underground cable and has industry leading features like anti-twist rope, rotating modular extension arm and an advanced electronic information system for monitoring and documenting vital pulling functions. Cynergy is one of few contractors that is a certified MVPower Contractor by TE Energy (Raychem). Any products installed by MVPower Certified Contractors, using Raychem 5-35KV medium voltage splice and termination power cable accessories, provide a twenty (20) years warranty after installation. To become a certified MVPower Contractor extensive training and validation for products used by all technicians were performed. All technicians are also certified by the National Cable Splicing Board which certification is designed to assure personnel handling medium voltage cable and components are properly trained. In the medium voltage service industry, you will inevitably come across unusual cable or uncommon applications/requests from customers. Cynergy has the staff to tackle unusual or difficult applications, older cables, and customized product applications.