

GE

Grid Solutions

1.	Customer name and location: Duke Energy Corporation Charlotte, NC USA
2.	Name, Position, and Telephone Number of Customer contact person: Mrs. Melanie Miller ADMS Program Director Duke Energy Corporation Email: melanie.miller@duke-energy.com Phone: +1 704-382-7931
3.	Brief Description of Customer <ul style="list-style-type: none"> • Duke Energy operates Power generation and distribution for 7.5million of connected customers • 50GW Generation Capacity • 289,000 Miles of overhead distribution lines • 32,200 Miles of transmission lines • 2300 Distribution circuits Key objectives of ADMS solution: <ul style="list-style-type: none"> • Reduced OpEX & TCO (total cost of ownership) of IT solutions in operating & maintaining their distribution networks • Implementation of Self Optimizing Grid - Fault detection, isolation & restoration (FISR) to reduce customer interruptions & impact – significantly improving customer service by reducing both SAIDI & SAIFI • Continue to add more VVC to reduce system losses and shave peak demand when required
4.	Name of Prime contractor: GE Grid Solutions
6.	Date of Delivery: <p>First SCADA implementations began being deployed in 2001 and Duke has since performed a number of standard product upgrades under maintenance contract, as well as extending system capabilities to meet increased regulator targets and continuously improve customer service. DMS went live in 2012 and full ADMS (OMS add-on) will go live in 2020.</p>
7.	Implemented System and project Main Capabilities delivered: <p>The implemented system was e-terra ADMS version 3.5 and the following modules have been implemented across 4kV, 12kV, 13.2 kV, 23kV & 35kV networks:</p> <ul style="list-style-type: none"> ▪ SCADA ▪ DMS including Powerflow, Fault location, FISR, Switching Management ▪ OMS that's Integrated with AMI, IVR and WFMS <p>The system currently implemented is e-terra DMS v3.5.2 and is operating across 500,000+ SCADA points.</p>

8/31/2018

[Month, Day, Year]

Melanie Miller

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Melanie Miller

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