



**PPL Electric Utilities**

**Project Proposal  
2016\_2-F: New line Clifty Creek - Madison  
for  
2016 RTEP Project Proposal Window 2**

**Submitted Aug 15, 2016**

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## **A Executive Summary**

### **A.1 Name of proposing entity**

This proposal is submitted by PPL Electric Utilities (PPL EU)

### **A.2 Proposal Window and associated violation/issue being addressed**

2016 RTEP Proposal Window 2

#### **A.2.1 Reliability Violations addressed by project**

The proposed solution relieves two Generator Deliverability violations (Flow Gates # 897, 1137) as identified in PJM's 2016 RTEP Proposal Window 2 Violations study results.

#### **A.2.2 Violations caused by proposal/nearby violations not addressed by your proposal**

No new violations were caused by this project proposal

### **A.3 Project interaction with TO zones and neighboring Balancing Authority**

This project proposal connects Clifty Creek substation in OVEC zone in PJM to Madison substation in Duke Energy Indiana (DEI) zone in MISO. The project is located within Jefferson county of Indiana. The project hasn't been identified as solution for any specific cross-border issues; however the proposed project will connect MISO and PJM.

### **A.4 Description of the proposed solution**

PPL EU is proposing '2016\_2-F: New line Clifty Creek - Madison' (the "Project") to resolve aforementioned reliability violations. The Project includes the following components -

- Clifty Creek Substation Modification: addition of one (1) line position, one (1) 138kV breaker and associated disconnect switches.
- Madison Substation Modification: addition of one (1) line position, one (1) 138kV breaker and associated disconnect switches.
- Greenfield Transmission Line: New 4.8 mile 138kV double bundled single circuit transmission line between Clifty Creek 138kV substation and Madison 138kV

substation using 795 ACSR type conductors. We estimate that about 90% length of this line will be routed adjacent to existing ROW.

**A.5 Description of how the project should be considered**

This project should be considered as whole.

**A.6 High Level overview of cost and cost commitment**

This Project has estimated cost of \$12,457,147 in 2016\$.

**A.7 Additional benefits of your proposal above solving the identified violation/constrains**

As mentioned above, the project causes no new violations. In addition, we estimate that we can deliver this project as early as 3/31/2019 thus exceeding PJM's target date for resolving the violations.

**A.8 Affirmation of Pre-Qualification Information**

PPL EU's pre-qualification information on record with PJM and as posted on PJM's website, submitted on June 28, 2013 through the Office of the Interconnection prior to the opening of the Market Efficiency project proposal window, reflects the company's current qualifications to be eligible for Designated Entity status as defined in the PJM Amended and Restated Operating Agreement ("PJM OA") in Section 1.5.8(a) (PJM Designation 13-12).