



**PPL Electric Utilities**

**Project Proposal**  
**2016\_2-I: New line Tod Hunter – Rockies Express**  
**for**  
**2016 RTEP Project Proposal Window 2**

**Submitted Aug 15, 2016**

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## Contents

<b>A</b>	<b>Executive Summary</b> .....	<b>4</b>
A.1	Name of proposing entity .....	4
A.2	Proposal Window and associated violation/issue being addressed .....	4
	<i>A.2.1 Reliability Violations addressed by project</i> .....	4
	<i>A.2.2 Violations caused by proposal/nearby violations not addressed by your proposal</i> .....	4
A.3	Project interaction on TO zones and neighboring Balancing Authority .....	4
A.4	Description of the proposed solution.....	4
A.5	Description of how the project should be considered .....	5
A.6	High Level overview of cost and cost commitment.....	5
A.7	Additional benefits of your proposal above solving the identified violation/constrains	5
A.8	Affirmation of Pre-Qualification Information.....	5

## **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 one Generator Deliverability violations (Flow Gate # 907) 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. The project doesn’t address one nearby N-1-1 Thermal violation (Flow Gate # N2-T6)

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

This project proposal spans Warren and Butler counties in Ohio within DEOK zone and doesn’t cross over to any neighboring TO zone or Balancing Authority.

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

PPL EU is proposing ‘**2016\_2-I: New line Tod Hunter – Rockies Express**’ (the “Project”) to resolve aforementioned reliability violations. The Project includes the following components:

- **Tod Hunter Substation Modification:** Addition of one (1) line position, two (2) 138kV breakers and associated disconnect switches in a new 138 kV bay.
- **Rockies Express Substation Modification:** Addition of one (1) line position, one (1) 138kV breakers and associated disconnect switches in an existing 138 kV bay adjacent to the existing 138 kV line to Shaker Run.
- **Greenfield Transmission Line:** New 3.2 miles 138kV double bundle single circuit transmission line between Tod Hunter 138kV substation and Rockies Express

138kV substation using 795 ACSR type conductors. We estimate that about 15% 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 \$11,196,570 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 12/31/2018 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).