

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
ENERGY FACILITY SITING BOARD**

In re The Narragansett Electric Company	:	
d/b/a National Grid	:	Docket No. SB-2008-02
(Rhode Island Reliability Project)	:	

**NATIONAL GRID'S RESPONSES TO THE  
EFSB'S DATA REQUESTS OF MAY 3, 2010**

**EFSB DATA REQUEST 2-1:**

Please provide a revised simulation of Viewpoint 114 with the reconfigured lines.

**RESPONSE:**

See revised Viewpoint 114, attached. National Grid has proposed a significant modification to the Project in this area with the proposed reconfiguration. The appearance of this simulation has improved from the original Project simulation. Viewpoint 114 directly faces the northern-most limit of the residential development, where the Project will transition from the original configuration to the alternate arrangement. With the proposed reconfiguration, the existing 345 kV line and the two existing 115 kV lines closest to the residences will remain essentially in their existing configurations and locations throughout the Gilcrest Drive and Carrie Ann Drive neighborhoods. The new 345 kV line construction will occur on the opposite (western) side of the ROW from the residences. We believe that the overall effect of this reconfiguration will be diminished visual impacts compared to the originally proposed Project for the overwhelming majority of this residential development. See revised cross section attached to David J. Beron's supplemental testimony as Attachment DJB-14.

Response prepared by or under the supervision of  
EDR and David J. Beron, P.E., P.M.P.



### Viewpoint 114 - Existing Condition

Sheet 1 of 3 - Existing View from Gilcrest Drive West Warwick, Kent County

### Rhode Island Reliability Project

Warwick, West Warwick, Cranston, Johnston,  
Smithfield, and North Smithfield, RI





### Viewpoint 114 - Original Proposal

Sheet 2 of 3 - Visual Simulation of Original Proposal from Gilcrest Drive West Warwick, Kent County

### Rhode Island Reliability Project

Warwick, West Warwick, Cranston, Johnston,  
Smithfield, and North Smithfield, RI





### Viewpoint 114 - Alternate Proposal

Sheet 3 of 3 - Visual Simulation of Alternate Proposal from Gilcrest Drive West Warwick, Kent County

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**NATIONAL GRID’S RESPONSES TO THE  
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**EFSB DATA REQUEST 2-2:**

What would be the additional cost of shifting the transmission line to the west between the Cranston/West Warwick town boundary and Wakefield Street as proposed in Mr. Beron’s prefiled testimony of April 27, 2010?

**RESPONSE:**

The cost of the easement to enable this reconfiguration is \$175,000. There will also be additional construction costs of approximately \$200,000 including the cost of one additional steel pole, survey, tree clearing and support services (environmental, engineering, archaeological, and legal/real estate.)

As originally proposed, the Project cost was approximately \$6.6 million per mile of right of way. The \$375,000 incremental cost represents an increase of approximately 11% for the half mile where the alternative is proposed. In the context of the overall Project cost of \$247 million, this incremental cost does not represent a substantial increase.