



**Northeast
Utilities System**

Northeast Utilities Service Company
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Berlin, CT 06037-1651

Transmission Planning Department
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April 18, 2006

Mr. Donald Gates
Chairman, NEPOOL Reliability Committee
ISO New England, Inc.
One Sullivan Road
Holyoke, MA 01040-2841

Dear Mr. Gates,

In accordance with Schedule 12C of the ISO New England (“ISO-NE”) Transmission, Markets, and Services Tariff (“ISO-NE Tariff”), Northeast Utilities (“NU”) hereby submits the attached Transmission Cost Allocation application(s) reporting cost support information associated with the construction, retirement, or modification to facilities rated 69 kV and above that qualify as regional pool transmission facilities (“PTF”) for the following project(s):

NU-06-TCA-06 Dooley 30K 115kV circuit breaker.

NU believes that the transmission facility reinforcement plan qualifies for regional cost allocation under the ISO-NE Tariff. NU is requesting a regional cost determination from the NEPOOL Reliability Committee and final approval from ISO-NE.

If you have any questions, I can be reached at the numbers and addresses above.

Sincerely,

Oswaldo Ortega

Transmission Cost Allocation Application Form

Project Name: Dooley 30K

TCA: NU-06-TCA-06

1.	Applicant: Northeast Utilities	Date: 2006-04-17
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2.	<u>Project Description:</u>		<u>In Service Date:</u>
	a.	Summary of PTF-related work for Project: Install a new 115kV circuit breaker and relaying work at Dooley 30K substation.	2006-06-30
	b.	Summary of Non-PTF-related work for Project: I	

3.	Was a transmission Proposed Plan Application required for this work?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
4.	Has a transmission Proposed Plan Application been approved? If yes, attach a copy and reference Proposed Plan Application # and approval date.	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Approval Date:

Need For Project:

5.	Need Based On:	Yes	No		
	a.	Reliability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	b.	Economic	<input type="checkbox"/>	<input type="checkbox"/>	
	c.	Service to new load	<input type="checkbox"/>	<input type="checkbox"/>	
	d.	New generator interconnection	<input type="checkbox"/>	<input type="checkbox"/>	
		If yes, Category of Generator (See Schedule 11 of Section II of the Tariff):	'A' <input type="checkbox"/>	'B' <input type="checkbox"/>	'C' <input type="checkbox"/>
		Generator Proposed Plan Application Number			
		Generator Proposed Plan Application Date			
		(Attach copy of cover letter & Generator Proposed Plan Application)			
	e.	Other (specify in line 6)	<input type="checkbox"/>	<input type="checkbox"/>	

6.	Provide a narrative description of the need for this Project. The need to add a 115kV circuit between the two distribution transformer at Dooley, for reliability.
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Cost of Project:

7.	Total Proposed PTF Cost of this Project:	
	a.	PTF Costs associated with this Project: \$894,926
	b.	Generator Supported PTF Costs**: \$
	If the costs in 7a. plus 7b. do not equal the total PTF cost, please explain and indicate who is responsible for the	

remaining costs.

8. Costs introduced as a result of local, state or other regulatory/legislative requirements, including costs identified pursuant to Section 1.6.3 of this PP-4. \$n/a

9. Total Non-PTF Cost associated with this Project (if any) \$

10. Total PTF Cost based on: (check one)

Actual Costs	<input type="checkbox"/>	
Estimated Costs*	<input checked="" type="checkbox"/>	Or

11. Provide a breakdown of the total costs consistent with Table 1. If applicable, explain how the cost of common facilities was allocated between PTF and Non-PTF.

Engineering: \$211,000.00
Material \$203,977.00
Construction \$479,949.00

12. Does this Project result in a change of existing Non-PTF facilities to PTF? Yes No

13. Describe the major transmission alternatives that were considered and why the preferred alternative was selected. A ring bus alternative was considered, but adding a single breaker was decided for reliability.

* If the actual PTF cost exceeds the estimated PTF cost by more than 10%, a revised filing is required.

** Pool-Supported PTF costs were determined pursuant to Schedule 11 of Section II of the Tariff.

Summary Discussion of Project Need:

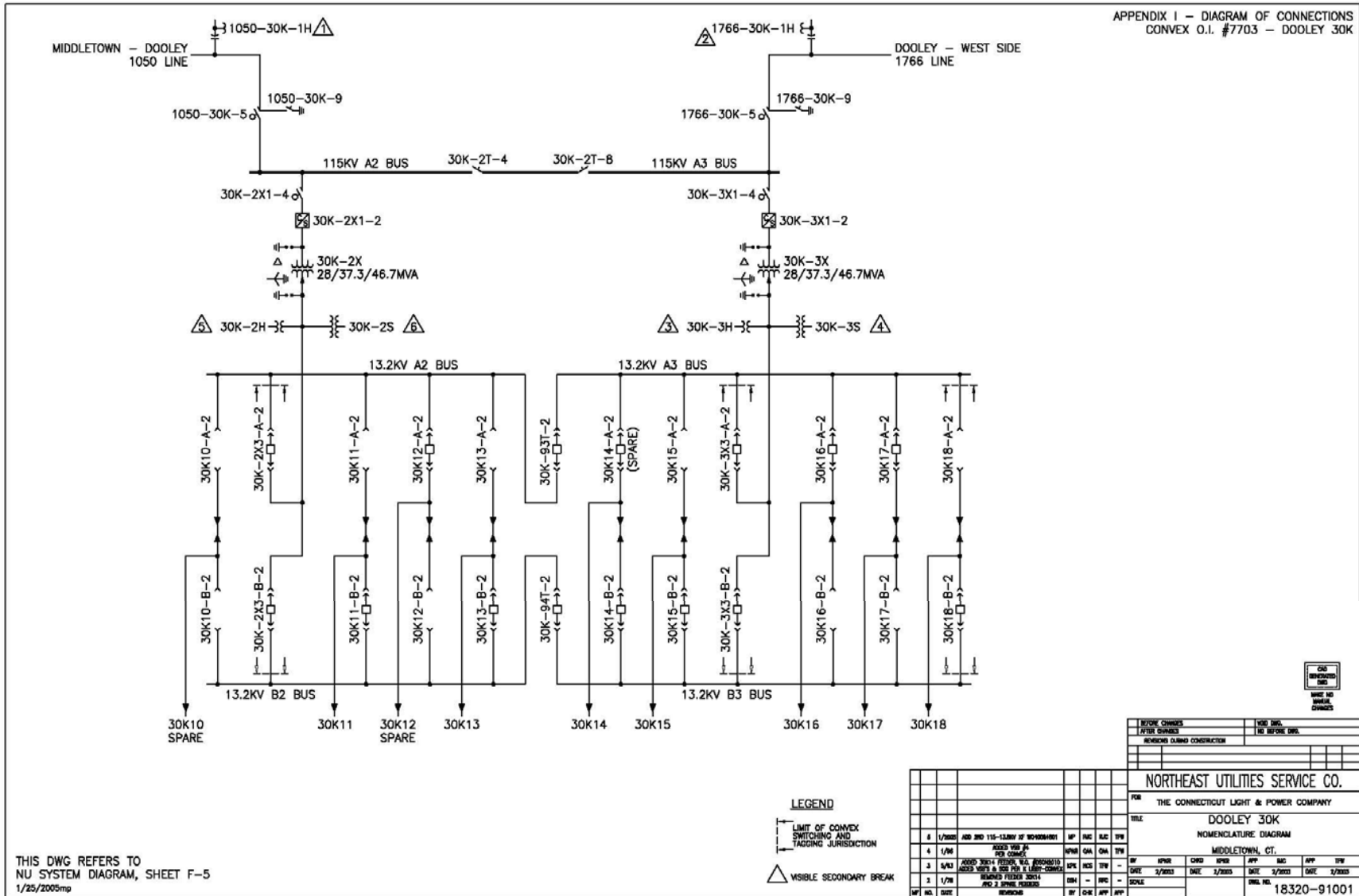
This study covers the transmission portion of a distribution need to increase the reliability for the addition of an 115kV circuit breaker at the Dooley 30K substation located in Middletown, CT. The system includes a new 115kV circuit breaker and associated bus work to support this addition of a new 115/13.2kV, 47MVA distribution transformer. The Middletown area load growth has outpaced the distribution infrastructure and requires additional load serving facilities. Proposed schedule –Dooley 30K – June 2006.

Reference:

The second distribution transformer was included in the NU Proposed Plan Application NU-05-T18, Dated: September 21, 2005.

Figure 4A- Dooley substation configuration

Dooley 30K-Nomenclature Diagram- Currently in service



APPENDIX I - DIAGRAM OF CONNECTIONS
CONVEX O.I. #7703 - DOOLEY 30K

THIS DWG REFERS TO
NU SYSTEM DIAGRAM, SHEET F-5
1/25/2005mp

BEFORE CHANGES	NEW DWG.
AFTER CHANGES	NO BEFORE DWG.
REVISIONS DURING CONSTRUCTION	
NORTHEAST UTILITIES SERVICE CO.	
FOR THE CONNECTICUT LIGHT & POWER COMPANY	
TITLE DOOLEY 30K	
NOMENCLATURE DIAGRAM	
MIDDLETOWN, CT.	
DATE	DWG. NO.
2/2003	18320-91001

Figure 4B- Dooley substation configuration
 Dooley 30K-Nomenclature Diagram- Currently needed (L portion)

