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**PPL-EU Approved A-E, Construction, and Testing Companies
for PJM "Option to Build" Projects: Attachment 5**

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Revision: -03-

Effective Date: 9/1/2017

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**PPL EU REQUIREMENTS FOR TRANSMISSION CONNECTED
FACILITIES TO BE OWNED AND OPERATED BY PPL EU**

Attachment 5

**PPL-EU APPROVED A-E, CONSTRUCTION, AND TESTING
COMPANIES FOR PJM "OPTION TO BUILD" PROJECTS**

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Location Codes	S	0	6	0											Sorts				
Rev	Date	Sponsor	Reviewer	SUBSTATION CONSTRUCTION STANDARD PPL ELECTRIC UTILITIES CORPORATION Approved _____ Yves Emmanuel Nembo Mgr. Standards															
0	9/19/14	NJM	SEH																
1	9/18/15	NJM	SEH																
2	7/21/16	NJM	DSJ/AGM																
3	9/1/17	GJ/PW	NJM																



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Record of All Issued Revisions

Revision	Page(s)	Section(s)	Description	Issue Date
0	All	All	Initial Issue	9/19/2014
1	All	All	Updated contractors	9/18/15
2	ALL	All	Updated contractors	7/21/16
3	All	All	Updated contractors	9/1/17

Distribution:

1. RC 0880 – T&S Standards
2. RC 0883 – Substation Engineering
3. RC 0601 – T&S Asset Management
4. RC 0878 – T&S System Engineering



Approved architect-engineering firms, constructors and testing companies to perform "option to build" design, construction and testing work for IPP project interconnection work. Approval must be obtained from PPL to add companies to this list.

Architect - Engineering Firms

	<u>Substation</u>				<u>Transmission</u>			
	69kV	138kV	230kV	500kV	69kV	138kV	230kV	500kV
Power Engineers	X	X	X	X	X	X	X	X
Worley - Parsons	X	X	X	X				
Commonwealth Associates	X	X	X	X	X	X	X	X
Sargent & Lundy	X	X	X	X	X	X	X	X
Leidos					X	X	X	
ULTEIG					X	X	X	
Mainline					X	X	X	
Stantec	X	X	X					
Dashiell	X	X	X					

Constructors

	<u>Substation</u>	<u>Transmission</u>
Bruce & Merrilees	X	
Matrix	X	
Aldridge	X	X
Miller Bros.	X	
Henkels & McCoy	X	X
Harlan Electric (MYR Group)		X
PAR Electric		X
I.B.Abel		X
M.J. Electric	X	X
Michels	X	X
Cianbro		X
Wilson Construction		X



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Testing Companies

	<u>Substation</u>	<u>Transmission</u>
AET (American Electrical Testing)	X	X
HMT (High Voltage Maintenance & Testing)	X	X

Underground Transmission Cable Work

	<u>Engineering</u>	<u>Construction</u>
Power Engineers	X	
HBK	X	
Consult with PPL and cable manufacturer		X