

	<h1>Business Practice</h1>	Department:	External Affairs
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<b>Title:</b> <b>ELECTRICAL UNDERBUILD AND ATTACHMENT TO ATC TRANSMISSION FACILITIES</b>		Issue Date:	06-30-2015
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## Contents

1	PURPOSE .....	2
2	SCOPE AND APPLICABILITY .....	2
3	BODY .....	2
3.1	<i>Existing ATC Facilities</i>	2
3.2	<i>New ATC Facilities</i>	2
3.3	Planned Upgrades and Asset Renewal of ATC Facilities	2
3.4	<i>Third Party Impacts</i>	3
4	DEFINITIONS .....	4
5	ADDITIONAL CONSIDERATIONS AND EXCEPTIONS .....	4
6	ADDITIONAL INFORMATION .....	5
7	DOCUMENT REVIEW .....	5
8	RECORDS RETENTION .....	5
9	REVISION INFORMATION .....	5
	APPENDIX A – REQUEST FOR POLE ATTACHMENT .....	6
	APPENDIX B – ATC ATTACHMENT SCENARIOS & RESPONSIBILITES .....	7

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## 1 PURPOSE

ATC works with its customers to accommodate requests for utility and third party attachments to ATC Transmission facilities. The Attachment Agreement in place with each contributor delineates rights and responsibilities of ATC and the attaching entity. This Practice confirms the process used to request, evaluate and implement modifications to existing ATC facilities, if required, to accommodate the attachment request. In all cases, ATC will strive to minimize the overall costs incurred by ATC and the affected parties.

## 2 SCOPE AND APPLICABILITY

This practice is intended to apply to requests for attachment to existing ATC facilities, planned ATC facilities, as well as, to the upgrade of existing non-ATC facilities in order to accommodate the addition of transmission facilities and ATC asset renewal.

## 3 BODY

### 3.1 Existing ATC Facilities

Requests for attachment or upgrade to an existing attachment to ATC transmission facilities are to be made using the *Request for Pole Attachment form* (Attached as Exhibit 1). In order to ensure code compliance, safety and reliability; An analysis shall be performed to determine if any system upgrades are required to grant the attachment request. When performing the structural analysis, the grade standard of the existing transmission line will be modeled, except as otherwise required by applicable codes or NESC rules. Based on the nature of the request, ATC may require the Requestor to perform the analysis at their expense, subject to ATC's design standards, review, and approval.

The Requestor shall be responsible for all make-ready costs to accommodate the attachment of its facilities on to existing ATC facilities, except for any costs due to the betterment by ATC of its facilities, beyond what is required to accommodate the attachment. The Requestor is responsible for obtaining any permitting, easements or other permissions necessary for the requested attachment. Should a structural analysis reveal that an existing attached facility does not meet applicable codes or rules as of the time of original installation, the owner of the attached facility shall be responsible for the costs to bring them into compliance.

### 3.2 New ATC Facilities

ATC shall require not less than "Grade B" standard, as defined by the National Electrical Safety Code (NESC), for all new construction of transmission facilities. The distribution underbuild shall be designed in accordance with the applicable codes and within the standards of the respective attaching entities. ATC can

accommodate new attachments if identified before design engineering commences and materials are procured. Incremental costs required to meet Grade B transmission construction or applicable codes necessary to support attachment requests, will be the responsibility of the attaching entity, including, but not limited to, increased structure-height costs due to larger conductor or modified framing orientation.

In cases where ATC-planned projects cause new transmission facilities to be overbuilt on existing non-ATC corridors, ATC shall bear the costs of its own facilities as well as all make-ready costs, less any betterment, of the other existing entities' facilities required to accommodate the overbuild project.

### **3.3 Planned Upgrades and Asset Renewal of ATC Facilities**

When relocation of existing underbuild or third party attachments is required because of an ATC project to upgrade or rebuild its facilities to provide transmission service, ATC shall provide space for like-kind attachments on the rebuilt ATC facilities. The attaching entity shall be responsible for the make-ready costs and transfer of its facilities. Any betterment required by the attaching entity will be at the cost of the attaching entity. When upgrade and asset renewal projects driven by ATC require Contributing Utilities (CUs) to relocate non-attached facilities, ATC will be responsible for the costs incurred by the CU, less any betterment.

In cases where conveyed transmission assets with existing CU's underbuild do not meet the required separation between transmission conductors and distribution conductors at the transmission thermal ratings provided by the CU at the time of conveyance, the CU is responsible for the least cost method of correcting such installations. In the event that ATC has a project that is for purposes of increasing the thermal rating of a transmission line and the increase of the thermal rating causes inadequate separation between the transmission conductors and the distribution facilities of the CU, ATC will be responsible for the least-cost method of accommodating the new rating. In the event that ATC has an asset renewal project that is for purposes of replacing equipment due to age and condition, both parties will be responsible for their own costs. In cases where the distribution underbuild is owned by a party other than the CU, the terms of the applicable pole attachment agreement between the CU and third-party will apply.

### **3.4 Third Party Impacts**

When a third party requires relocation and/or upgrades to new or existing facilities, the third party shall be responsible for all costs incurred by ATC and the CU. The third party will be required to enter into separate agreements between ATC and the

CU for such work. If a government entity requires the relocation of facilities due to no action of ATC or the CU, both parties will be responsible for their own costs.

#### 4 DEFINITIONS

**Transmission Facilities** may include, but are not limited to conductors, poles, towers, structures, and other transmission related equipment.

**Make-ready costs** include, but are not limited to, structure replacements, temporary protection, layout during implementation, bridging, and the transfer of facilities from old structure to new structure.

**Betterment** is defined as the upgrading (*i.e.* making more useful, more efficient, of greater durability, or greater capacity) of any equipment or facilities that are being relocated and that are not attributable to the transmission system and are made solely for the benefit of and at the election of the attaching entity.

**Like-kind replacement** is the replacement of existing facilities with the same, similar, or equivalent physical characteristics of those being replaced, and is consistent/comparable with the owner's current standards.

**Asset Renewal is the replacement or refurbishment of existing transmission line facilities (partial or complete) that have reached or exceeded the life expectancy of the asset type due to degradation and obsolescence.**

#### 5 ADDITIONAL CONSIDERATIONS AND EXCEPTIONS

The attaching entity shall be responsible for any third-party and/or environmental impacts that may result from the attachment to existing, rebuilt, or proposed ATC facilities (except in ATC overbuild projects). Any cost for mitigation shall be the sole responsibility of the attaching party.

Attachment to 345 kV facilities will be prohibited, except where ATC determines that the denial of the attachment will cause undue hardship.

All requests to attach to ATC facilities that are deemed "Critical Facilities" by the Midwest Independent System Operator will be required to meet or exceed Grade B Transmission Construction standards.

## 6 ADDITIONAL INFORMATION

### ET-0220 Design Guide – Transmission Joint-Use

#### *The ATC Attachment Agreement*

#### *The ATC Request for Pole Attachment Form*

#### *The ATC Attachment Scenarios and Responsibilities*

## 7 DOCUMENT REVIEW

This document will be reviewed and revised as necessary no less than every three years.

## 8 RECORDS RETENTION

Documents are maintained per the Records Retention Schedule.  
Records Management Index System (RMIS)

Records Management Policy #2002-2 Revision Information

## 9 REVISION INFORMATION

In this “Revision Information” section, provide a timeline summary of all documents revisions, with the most recent revision shown first

Version	Author	Date	Section	Description
0.0	xxxxx	10/30/2006	Specific section revised	Brief summary description of changes

### APPENDIX A – REQUEST FOR POLE ATTACHMENT

Location <input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	Name of Attaching Company	Name of Attaching Company Representative	Attaching Company Representative Phone No.	
Attaching Company Billing Address	City	County	State	Zip
Date of Request	Date Received from Attaching Entity	Effective Date of Contacts		

ATTACHING ENTITY COMPLETES	COMPLETED BY AMERICAN TRANSMISSION COMPANY REPRESENTATIVE	
ATC Pole Number or Line Designation and Structure Number	Attachment Approved (Check one)	Comments/Description of Make Ready Work to be Done
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	
	<input type="checkbox"/> Yes <input type="checkbox"/> No	

ATC Engineering Review Performed By	Date of ATC Engineering Review
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## APPENDIX B – ATC ATTACHMENT SCENARIOS & RESPONSIBILITES

Scenario	ATC/Contributing Utility (CU)
1. Existing transmission pole, Contributing Utility (CU) requests to attach	CU pays for any make-ready costs, if any; per year / per pole rental moving forward
2. New transmission line, CU requests to attach	CU pays incremental costs to accommodate their facilities on new poles
3. Attachment requests by third party (CATV, Telephone, Fiber) with existing contract with contributing utility	Terms and conditions of existing contract
4. Property owner/developer relocation request	Third party responsible for ATC and CU costs. Separate agreements with third party
5. Forced relocation by government entity (example highway relocation project)	Each party responsible for their own costs
6. Incorrectly installed facilities discovered by ATC and/or CU	Facility owner pays to correct situation
7. Both transmission and distribution on existing corridor, Asset renewal for transmission (transmission pole owner). Note "Pole" definition below from pole attachment agreement.	ATC will provide space on new pole for like-kind equivalent CU materials, any betterment by CU that requires additional height or strength, CU pays incremental cost. CU pays to transfer their facilities to new structure. Goal - <b>Overall</b> least cost implementation (construction).
8. Both transmission and distribution on existing corridor, upgrade distribution	CU pays any and all make ready costs; ATC pay incremental costs for any betterment
9. Existing CU corridor; adding transmission facilities (overbuild)	ATC pays for like-kind equivalent replacement; any incremental betterment at CU expense
10. Transmission uprate that requires CU to relocate/adjust their overhead facilities, whether directly attached to ATC pole or crossing	ATC pays unless its determined that the CU facilities were installed incorrectly at existing transmission line rating
11. "Pole" means wood, metal, concrete or other material as selected by pole owner (this includes towers and other related structures)	