

PDM Ex. 8.7 – DR Channon-ATXI 1.01 & Attachment, 1.02

**Ameren Transmission Company of Illinois's
Response to Channon Trust Data Requests
Docket No. 12-0598**

Petition for a Certificate of Public Convenience and Necessity, pursuant to Section 8-406.1 of the Illinois Public Utilities Act, and an Order pursuant to Section 8-503 of the Public Utilities Act, to Construct, Operate and Maintain a New High Voltage Electric Service Line and Related Facilities in Various Counties in the State of Illinois.

Data Request on Rehearing Response Date: 11/13/2013

Channon 1.01

For ATXI's Primary Route from ATXI's proposed Mt. Zion substation site on Sulphur Springs Road to the Kansas substation site, please provide the following data for the following route segment only: from ATXI's proposed Mt. Zion substation site to the point in Moultrie County, East Nelson Township where ATXI's Primary Route meets ATXI's Alternate Route.

- (a) Please provide the length in miles for this segment;
- (b) Please provide the number of property owners within 250 feet of the route centerline on this segment;
- (c) Please provide the number of property owners within the 150-foot easement area on this segment;
- (d) Please provide the number of cultivated farmland tracts which are bisected on this segment;
- (e) For each residential structure within 500 feet of the route centerline on this segment, please state the location of that structure by township and section, and state whether that structure is located within 0-75 feet, 75-150 feet, 150-300 feet, or 300-500 feet of the route centerline;
- (f) For each non-residential structure within 500 feet of the route centerline on this segment, please state the location of that structure by township and section, and state whether that structure is located within 0-75 feet, 75-150 feet, 150-300 feet, or 300-500 feet of the route centerline;
- (g) Please provide the same items of data for this segment as were presented in ATXI Ex 4.5, pages 1-4, in the same format as ATXI Ex 4.5;
- (h) Please state the number of structures (poles) by type on this segment (using the definitions presented in ICC Staff Exhibit 1.0 Attachment H);
- (i) For running angle and dead-end structure types on this segment, please identify the approximate location of each by township and section;
- (j)
 - (1) Please state the distance in miles that this segment is located upon or immediately adjacent to a roadway corridor.
 - (2) Please state the distance in miles that the remaining portion of this segment (that is, excluding those parts of the segment included in (1)) is located upon or immediately adjacent to section lines.
 - (3) Please state the distance in miles that the remaining portion of this segment (that is, excluding those parts of the segment included in (1) and (2)) is located upon or immediately adjacent to half (1/2) section lines.
 - (4) Please state the distance in miles that the remaining portion of this segment (that is, excluding those parts of the segment included in (1) through (3)) is located upon or immediately adjacent to property lines.
- (k) Please provide the "base cost" estimate for this segment, including the detail for actual material cost, labor cost, engineering cost, real estate cost and environmental cost, as those terms were used by ATXI witness Murbarger (hearing transcript of May 14, 2013, page 355, line 21 to page 356, line 2). Provide all detail analysis to show how such estimates were made.

RESPONSE

Prepared By: Donell Murphy

Title: Partner, Environmental Resources Management

Phone Number: 847-258-8912

ATXI objects to this request to the extent it asks ATXI to conduct new studies or analysis. Subject to and without waiving this objection, ATXI responds as follows.

- (a) The length is approximately 32.2 miles.
- (b) There are approximately 123 property owners within 250 feet of the route centerline on this segment.
- (c) There are approximately 123 property owners within the 150-foot easement area on this segment.
- (d) ATXI has not developed the segment specific information responsive to this request.
- (e) ATXI has not developed the segment specific information responsive to this request.
- (f) ATXI has not developed the segment specific information responsive to this request.
- (g) Please see Channon 1.01 Attach.
- (h) ATXI has not developed the information responsive to this request. This information would be determined during final line design.
- (i) ATXI has not developed the information responsive to this request. This information would be determined during final line design.
- (j)
 - 1) approximately 5.3 miles parallel roadways
 - 2) approximately 14.9 miles parallel section lines
 - 3) approximately 6.1 miles parallel half section lines
 - 4) approximately 2.7 miles parallel section lines
- (k) ATXI has not developed the segment specific information responsive to this request.

Portion of Project	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area ² (Acres)	Barren Land (Rock/Sand/Clay)		Cultivated Crops		Deciduc (Acres)
				(Acres)	(Percent)	(Acres)	(Percent)	
ATXI-MCPO Stipulated Route	500	69.2	4192.8	0.0	0.0%	3807.1	90.8%	126.7
Mt Zion to Kansas Primary - Requested Segment Only	500	32.2	1950.7	0.0	0.0%	1721.2	88.2%	51.3
Mt Zion to Kansas Alternate - Requested Segment Only	500	34.0	2058.4	0.0	0.0%	1694.4	82.3%	107.9

Bus Forest	Developed, High Intensity		Developed, Low Intensity		Developed, Medium Intensity		Developed, Open Space		Emergent	
	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)
3.0%	0.0	0.0%	64.4	1.5%	1.2	0.0%	123.3	2.9%	0.0	0.0%
2.6%	0.0	0.0%	54.2	2.8%	0.5	0.0%	87.6	4.5%	0.0	0.0%
5.2%	0.0	0.0%	112.9	5.5%	2.8	0.1%	99.8	4.8%	0.0	0.0%

Grassland/		Open Water		Pasture/Hay		Woody Wetlands	
(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)
13.0	0.3%	1.3	0.0%	50.9	1.2%	4.8	0.1%
0.4	0.0%	8.5	0.4%	25.3	1.3%	1.6	0.1%
0.7	0.0%	0.0	0.0%	36.7	1.8%	3.3	0.2%

Portion of Project	Analysis Corridor Width	Analysis Corridor Length (Miles)	Analysis Corridor Area ² (Acres)	Airports (No.)	Vor ³ (No.)	IL Drop Zone Locations (No.)
ATXI-MCPO Stipulated Route	500	69.2	4192.8	0	0	0
Mt Zion to Kansas Primary - Requested Segment Only	500	32.2	1950.7	0	0	0
Mt Zion to Kansas Alternate - Requested Segment Only	500	34.0	2058.4	0	0	0

Antenna (No.)	Cemetery (No.)	Church (No.)	Hospital (No.)	Nursing Home (No.)	Schools (No.)	Golf Courses (No.)	Center Pivots (No.)	IL Aggregate Pit (No.)	Local Parks From ESRI			Sink Holes		
									(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)
0	0	0	0	0	2	0	0	0	1	2.5	0.1%	0	0.0	0.0%
0	0	0	0	0	2	0	0	0	0	0.0	0.0%	0	0.0	0.0%
0	0	0	0	0	2	0	0	0	0	0.0	0.0%	0	0.0	0.0%

IL Superfund Sites (No.)	IL Coal Mine Points (No.)	IL Coal Mine Polygons (No.)	IL Gas Wells (No.)	IL Oil Wells (No.)	IL Water Wells (No.)	IL Fault Lines (No.)	IL/Foreign Gas Distribution Lines (No.)	National Register Historic Places (No.)	Known Historic Structures (No.)
0	0	0	0	1	9	0	17	0	0
0	0	0	1	0	1	0	3	0	0
0	0	0	0	7	7	0	9	0	0

Known Archaeological Site			Archaeological Historic Districts			Scenic		Hydric Soil		Prime Farmland	
(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	Byways (No.)	(Acres)	(Percent)	(Acres)	(Percent)	
3	3.5	0.0	0	0.0	0.0%	0	2062.0	49.2%	1773.3	42.3%	
0	0.0	0.0	0	0.0	0.0%	0	925.3	47.4%	915.3	46.9%	
0	0.0	0.0	0	0.0	0.0%	0	929.7	45.2%	978.7	47.5%	

Portion of Project	Analysis Corridor Width (Feet)	Analysis Corridor Length (Miles)	Analysis Corridor Area ² (Acres)	USFWS National Wildlife Refuge			USFWS Land-I	
				(No.)	(Acres)	(Percent)	(No.)	(Acres)
ATXI-MCPO Stipulated Route	500	69.2	4192.8	0	0.0	0.0%	0	0.0
Mt Zion to Kansas Primary - Requested Segment Only	500	32.2	1950.7	0	0.0	0.0%	0	0.0
Mt Zion to Kansas Alternate - Requested Segment Only	500	34.0	2058.4	0	0.0	0.0%	0	0.0

Recreation Areas			State Trails			Other State Areas			Known State Listed Species Occurrence			IL Rookeries			Illinois Natural Areas Inventory		
(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	
0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	1	0.9	0.0%	
0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	1	1.2	0.1%	1	0.5	0.0%	
0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	0	0.0	0.0%	2	2.7	0.1%	

Illinois Nature Preserve Commission		The Nature Conservancy Lands			National Wetland Inventory ⁴			Streams (No.)	Lakes (No.)	Lakes (Acres) (Percent)		Floodplains (Acres) (Percent)		Wooded Areas ⁵ (Acres) (Percent)		
(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(No.)	(Acres)	(Percent)	(Acres)	(Percent)	(Acres)	(Percent)	
0	0.0	0.0%	0	0.0	0.0%	29	43.0	1.0%	72	2	3.0	0.1%	159.2	3.8%	103.2	2.5%
0	0.0	0.0%	0	0.0	0.0%	16	22.0	1.1%	33	0	0.0	0.0%	35.1	1.8%	53.0	2.7%
0	0.0	0.0%	0	0.0	0.0%	9	20.1	1.0%	26	4	1.3	0.1%	37.7	1.8%	112.0	5.4%

EPA Leaking Underground Storage Tanks (No.)	EPA Site Remediation Program Sites (No.)
0	0
0	0
0	0

PROXIMITY TO EXISTING RESIDENTIAL AND NON-RESIDENTIAL STRUCTURES

Portion of Project	Residential Structure Type ⁶					Non-Residential Structure Type ⁶				
	Categorical Distance from Anticipated Alignment (feet)									
	0-75	75-150	150-300	300-500	0-75	75-150	150-300	300-500		
ATXI-MCPO Stipulated Route	0	2	5	9	0	2	8	41		
Mt Zion to Kansas Primary - Requested Segment Only	0	5	2	2	0	5	18	15		
Mt Zion to Kansas Alternate - Requested Segment Only	0	6	10	10	6	16	27	52		

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Channon 1.02

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- (a) Please provide the length in miles for this segment;
- (b) Please provide the number of property owners within 250 feet of the route centerline on this segment;
- (c) Please provide the number of property owners within the 150-foot easement area on this segment;
- (d) Please provide the number of cultivated farmland tracts which are bisected on this segment;
- (e) For each residential structure within 500 feet of the route centerline on this segment, please state the location of that structure by township and section, and state whether that structure is located within 0-75 feet, 75-150 feet, 150-300 feet, or 300-500 feet of the route centerline;
- (f) For each non-residential structure within 500 feet of the route centerline on this segment, please state the location of that structure by township and section, and state whether that structure is located within 0-75 feet, 75-150 feet, 150-300 feet, or 300-500 feet of the route centerline;
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RESPONSE

Prepared By: Donell Murphy

Title: Partner, Environmental Resources Management

Phone Number: 847-258-8912

ATXI objects to this request to the extent it asks ATXI to conduct new studies or analysis. Subject to and without waiving this objection, ATXI responds as follows.

- (a) The length is approximately 34.0 miles.
- (b) There are approximately 159 property owners within 250 feet of the route centerline on this segment.
- (c) There are approximately 153 property owners within the 150-foot easement area on this segment.
- (d) ATXI has not developed the segment specific information responsive to this request.
- (e) ATXI has not developed the segment specific information responsive to this request.
- (f) ATXI has not developed the segment specific information responsive to this request.
- (g) Please see Channon 1.02 Attach.
- (h) ATXI has not developed the information responsive to this request. This information would be determined during final line design.
- (i) ATXI has not developed the information responsive to this request. This information would be determined during final line design.
- (j)
 - 1) approximately 8.1 miles parallel roadways
 - 2) approximately 6.8 miles parallel section lines
 - 3) approximately 12.5 miles parallel half section lines
 - 4) approximately 3.9 miles parallel property lines.
- (k) ATXI has not developed the segment specific information responsive to this request.