

# Status Report as of end of Q3 2016

October 28, 2016

## MIDWEST TRANSMISSION PROJECT STATUS REPORT

This report provides project status for the Missouri portion of the Midwest Transmission Project (a.k.a., the Sibley-Nebraska City Project) in conjunction with the reporting requirements set forth in Case No. EA-2013-0098.

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## Introduction

### ***Project Status & Public Outreach Report***

This report provides project status for the Transource Missouri, LLC<sup>1</sup> (“Transource Missouri”) Midwest Transmission Project (“MTP” or “Project”) (a.k.a., the Sibley-Nebraska City Project)<sup>2</sup> in conjunction with the reporting requirements<sup>3</sup> set forth in Case No. EA-2013-0098<sup>4</sup>. This report also provides the status of public outreach efforts<sup>5</sup> related to siting, routing, etc. for the Project. This report contains the following Project update sections:

***Project Background***

***Project Description***

***Project Final Route***

***Project Progress Summary***

***Overall Status***

***Permitting***

***Engineering and Design***

***Procurement***

***Right-of-Way Acquisition***

***Schedule***

***Safety***

***Summary of Contact with the Public***

***Status of Ownership of the Project***

***Transource Missouri Ownership of Project***

***Other Project Agreements***

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<sup>1</sup> Transource Missouri is currently the owner of the Project. KCP&L Greater Missouri Operations Company (“GMO”) previously owned the Project. The change of ownership of the Project was approved by the Missouri Public Service Commission (“MoPSC” or “Commission”) in Case No. EA-2013-0098. Additional information on Transource Missouri and the status of ownership of the Project can be found in the ***Status of Ownership of the Project*** section of this report.

<sup>2</sup> A portion of the Midwest Transmission Project is/will be located in Nebraska. The portion of the Project located in Nebraska is owned, and is being constructed, by Omaha Public Power District (“OPPD”). This report only details the status of the portion of the Project that is/will be located in Missouri.

<sup>3</sup> In the context of Case No. EA-2013-0098, Transource Missouri, Kansas City Power & Light Company (“KCP&L”) and GMO agreed to provide status reports for the Project.

<sup>4</sup> All of the case filings and submissions for Case No. EA-2013-0098 are available through EFIS at [https://www.efis.psc.mo.gov/mpsc/Filing\\_Submission/DocketSheet/docket\\_sheet.asp?caseno=EA-2013-0098&pagename=case\\_filing\\_submission\\_FList.asp](https://www.efis.psc.mo.gov/mpsc/Filing_Submission/DocketSheet/docket_sheet.asp?caseno=EA-2013-0098&pagename=case_filing_submission_FList.asp)

<sup>5</sup> In the context of Case No. EA-2013-0098, KCP&L, GMO, and Transource Missouri also agreed to provide reports regarding the public outreach efforts for siting, routing, etc. The initial public outreach report for the Project, which detailed the public outreach efforts up to the final Project route selection, was filed in EA-2013-0098 on November 5, 2013. The status of public outreach efforts subsequent to the final route selection are now being addressed in the ***Summary of Contact with the Public*** section of this Project status report.

## ***SPP Project Status Report***

In addition to this Project Status & Public Outreach Report, status updates on the Project are also provided to Southwest Power Pool, Inc.<sup>6</sup> (“SPP”) for use in a quarterly SPP project tracking report.

The Sibley-Nebraska City Project is identified as a Priority Project in the April 27, 2010 SPP Priority Projects Phase II Final Report<sup>7</sup>.

The SPP quarterly project tracking reports<sup>8</sup> contain information on all of the Priority Projects, as well as other SPP projects, including Reliability, Transmission Service, Generation Interconnect, Balanced Portfolio, and ITP10 upgrades. The Sibley-Nebraska City Project is shown in the SPP quarterly project tracking reports under two Notification to Construct identification numbers (“NTC\_ID”) (three Upgrade identification numbers (“UID”) (shown in *Figure 1* below):

**Figure 1 - Sibley- Nebraska City Project NTCs**

NTC_ID	UID	Project Owner	Upgrade Description
20097	11238	Transource Missouri	Multi - Nebraska City - Maryville - Sibley 345 kV (GMO)
20097	11239	Transource Missouri	Multi - Nebraska City - Maryville - Sibley 345 kV (GMO)
20098	11240	OPPD	Line - Nebraska City - Maryville 345 kV (OPPD)

The two upgrades shown for Transource Missouri under NTC\_ID 20097 (UIDs 11238 & 11239) reflect the Missouri portions of the Project. UID 11238 is for the portion of the Project from Sibley to the new Mullin Creek Substation. UID 11239 is for the new Mullin Creek Substation and for the Missouri portion of the Project from the Mullin Creek Substation to the interception point with OPPD’s Nebraska portion of the Project at the Missouri River crossing at the Missouri-Nebraska state line.

The upgrade shown for OPPD under NTC\_ID 20098 (UID 11240) reflects OPPD’s Nebraska portion of the Project.

<sup>6</sup> SPP, a Regional Transmission Organization (“RTO”) approved by the Federal Energy Regulatory Commission (“FERC”), has members in 14 states and has the obligation to plan and develop transmission solutions for the region in which it serves as an RTO.

<sup>7</sup> SPP’s discussion of the Priority Projects, and the Priority Projects Phase II Final Report, are available at <http://www.spp.org/engineering/transmission-planning/priority-projects/>.

<sup>8</sup> The SPP quarterly project tracking reports are publicly available at <http://www.spp.org/spp-documents-filings/?id=18641>.

## Project Background

### *Project Description*

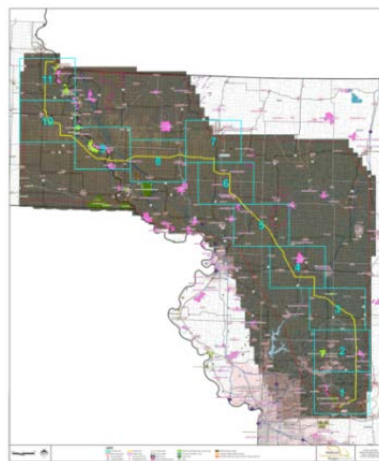
The Midwest Transmission Project is a regional transmission project that involves the construction of a new single circuit 345kV transmission line in northwest Missouri and southeast Nebraska extending approximately 180 miles from the substation located at OPPD's Nebraska City generating station to the a new intermediate 345kV substation near Maryville, Missouri, and continuing on to the substation located at GMO's Sibley generating station. The new 345kV substation, which has been named Mullin Creek Substation, will include reactive resources for voltage control and provide a potential interconnection point for new renewable generation resources.

The portion of the Midwest Transmission Project in Missouri consists of the new Mullin Creek Substation and a total of approximately 135 miles of transmission line from GMO's Sibley generating station to Mullin Creek Substation and from Mullin Creek Substation to the interception point at the Missouri-Nebraska state line. The portion of the Midwest Transmission Project in Nebraska consists of approximately 45 miles of transmission line from the interception point at the Missouri-Nebraska state line to OPPD's Nebraska City generating station.

### *Project Final Route*

The final route selection ([Figure 2<sup>9</sup>](#)) for the Midwest Transmission Project represented the culmination of an extensive year-long information gathering process by the Project Team that began in July 2012 and concluded with the final route announcement in June 2013.

**Figure 2 - Midwest Transmission Project Final Route**



<sup>9</sup> A larger version of final route map shown in [Figure 2](#) is also included in [Attachment A – Midwest Transmission Project FINAL Route](#).

Figure 3 - Nebraska City to Mullin Creek Substation

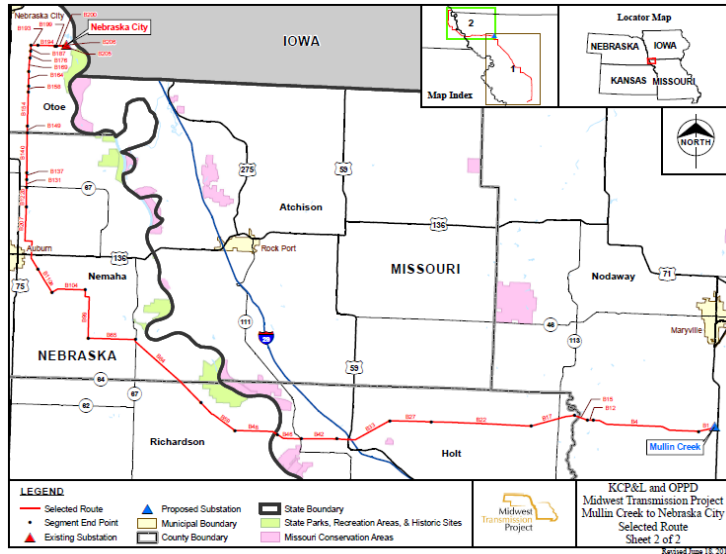


Figure 3<sup>10</sup> shows the portion of the final route from Nebraska City to the new Mullin Creek Substation. This map shows both the OPPD portion of the Project in Nebraska and the Transource Missouri portion of the Project in Missouri between the Mullin Creek Substation and the Missouri River crossing at the Missouri-Nebraska state line.

Figure 4 - Sibley to Mullin Creek Substation

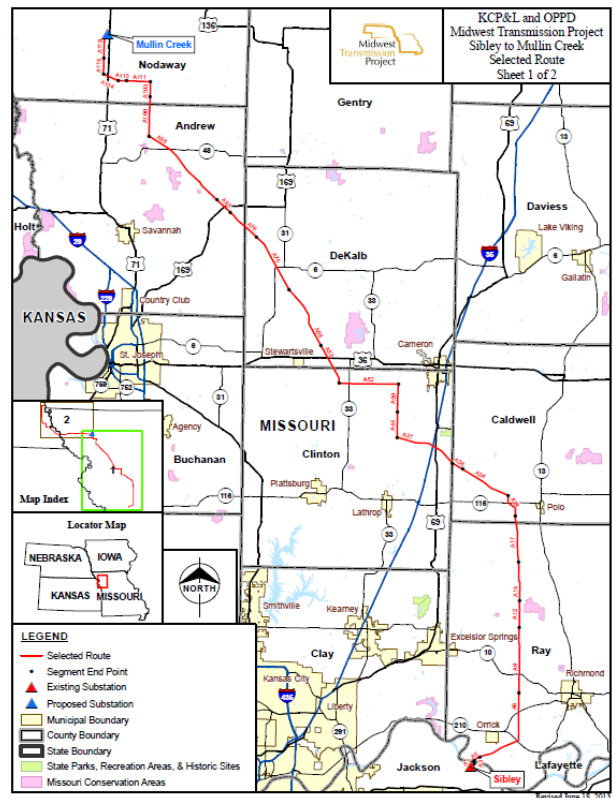


Figure 4 shows the portion of the final route from Sibley to the new Mullin Creek Substation. This portion of the Project is entirely in Missouri and, thus, reflects no OPPD portion of the Project.

<sup>10</sup> Larger versions of final route maps shown in Figure 3 and Figure 4 are also included in Attachment A – Midwest Transmission Project FINAL Route.

## Project Progress Summary

### *Overall Status*

Overall, the Project is on track with no critical path issues. The Project originally had a scheduled in-service date of June 1, 2017. Transource Missouri and OPPD, however, informed SPP that they now anticipate that the Project will be placed in-service by the end of 2016 – about five months ahead of schedule.

### *Permitting*

#### Environmental

Required permits include, but are not necessarily be limited to, those permits related to Missouri River crossings (U.S. Army Corps of Engineers (“USACE”)), wetlands (USACE and/or U.S Fish & Wildlife Services (“USFWS”)), and roadway crossings and temporary closures. There may also be requirements related to cultural surveys (State Historic Preservation Office (“SHPO”).

Burns & McDonnell Engineering (“B&McD”) was contracted to perform the environmental permitting services and has worked with the KCP&L Environmental Department to coordinate with the regulatory agencies. The USACE issued the permits needed to commence line construction during the second quarter of 2015.

#### Railroad, Road, and Aviation Permitting

All railroad permits have been received. Transource Missouri needed five permits from three railroad companies, BNSF (3 permits), Union Pacific (1 permit), and Norfolk Southern (1 permit).

County road permits have been obtained, and renewed as needed, throughout the life of the project.

The Federal Aviation Administration (“FAA”) permit has been updated to reflect final maximum structure heights, as structure installations are now complete.

All other permitting is complete.

### *Engineering and Design*

Substation and line engineering and design activities are complete. Remaining engineering activities are focused on construction support, closeouts of supply and service contracts, and the onset of the testing and commissioning.



## Procurement

The contracted suppliers for the major services, materials, and equipment are shown in [Figure 5](#) below. All major procurement packages have been awarded.

**Figure 5 - Contracted Services, Materials, & Equipment**

Services, Materials, & Equipment	Supplier	Contract Award
Public Involvement, Routing, Siting, & Environmental Permitting Services	Burns & McDonnell Engineering	July 2012
ROW Acquisition & Survey Services	Contract Land Staff	April 2013
Photogrammetry (Aerial Survey)	Westwood Professional Services, Inc.	September 2013
River crossings (foundations/permitting)	Continental Consulting Engineers	October 2013
Project Management	Electrical Consultants Inc.	October 2013
Engineering	Finley Engineering Company	October 2013
Endangered Species Studies	Environmental Solutions & Innovations, Inc.	April 2014
Tree (Right of Way) Clearing	Phillips & Jordan, Inc.	October 2014
Geotechnical Services	Geotechnology Inc.	October 2014
Construction & Material Management	Kenny Construction	November 2014
Steel Poles	Valmont Industries	January 2015
Conductor	Southwire	April 2015
Optical ground wire (OPGW)	Brugg Cables	March 2015
Insulators	Seves	April 2015
	NGK-Locke	June 2015
Line Construction	Capital Electric	June 2015
Hardware	Hubbell	April 2015
	HD Supply	May 2015
Reactor	SMIT	June 2015
Steel Structures (Substation)	Valmont Industries	November 2015
Mullin Creek Substation Control House & Equipment	AZZ, Inc.	November 2015
Mullin Creek Substation Site Prep & Fencing	Guetterman Turf & Excavating	February 2015
Sibley Foundations	Leavcon	October 2015
Mullin Creek Substation Foundation	PAR Electrical Contractors, Inc.	October 2015
Mullin Creek Substation Electrical Construction	The L.E. Myers Company	April 2016

### Right-of-Way Acquisition

Contract Land Staff (“CLS”) was contracted to perform the right-of-way (“ROW”) acquisition and survey services. In late December 2013 CLS began contacting land owners for ROW acquisition. The acquisition of all necessary parcels of ROW was completed during the second quarter of 2015. The vast majority (356 of 400) of the needed parcels were acquired through negotiated agreement, with only 44 parcels acquired through condemnation. *Figure 6* and *Figure 7* below show the ROW acquisitions by parcels and percent acquired, respectively, for the Project by county in Missouri.

Figure 6 - Parcels of ROW by County

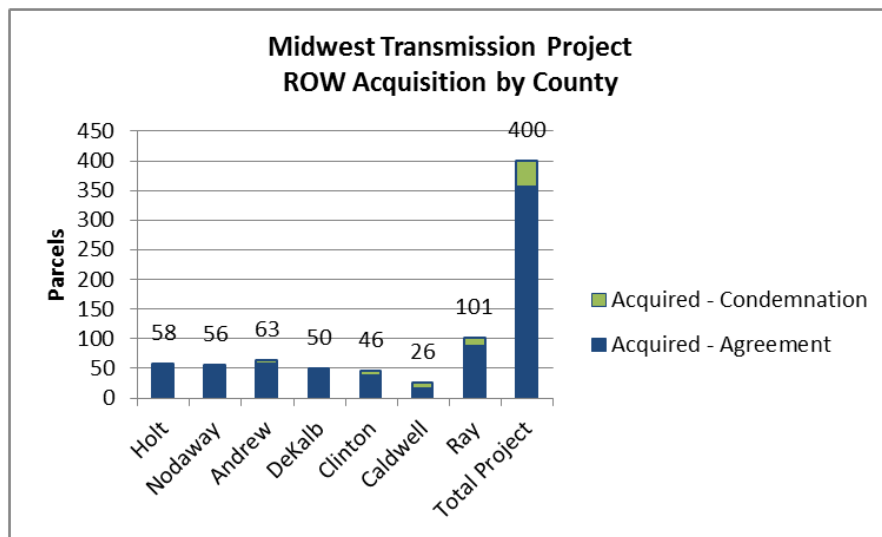
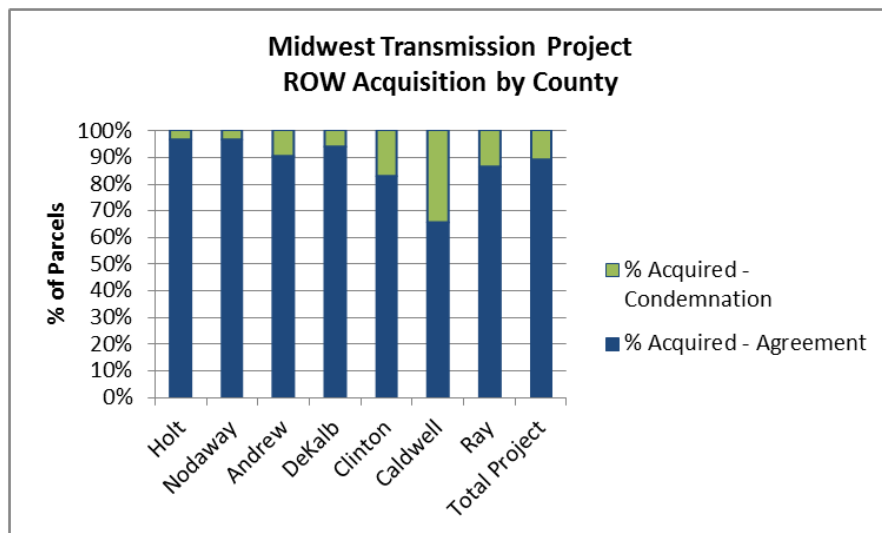


Figure 7 - % of ROW Acquired by Condemnation vs Agreement by County



## ***Construction***

### ROW Survey

The ROW survey contractors, CLS and several subcontractors, have completed all miles of survey work available. Land and ROW staking for construction, which began in July 2015, continues.

### Construction & Material Management

Kenny Construction (“Kenny”) continues to work closely with contractors and vendors on the Project as the construction and materials manager for Transource. Kenny continues to validate all construction activities and audit material yard inventory on an ongoing basis.

### Transmission Line Construction

Phillips & Jordan (“P&J”), the ROW Clearing, Storm Water Pollution Prevention Plan (“SWPPP”) & Restoration contractor, completed tree clearing during the winter 2014-2015 and winter 2015-2016 clearing seasons. P&J crews have also completed work related to establishing ROW access. Clean-up and disposal operations will continue, as weather allows, throughout 2016. P&J has completed restoration on approximately 80% of the nearly 600 acres of ROW. P&J has attempted to make personal contact with all landowners before entering the landowners’ property.

Capital Electric Line Builders, Inc. (“Capital”), the line construction contractor, has substantially completed line construction from the Missouri River interconnection point with OPPD to Mullin Creek Substation. For the remainder of the line, all structure installations are complete. Wire pulling activities are also progressing with stringing and clipping completed on almost 90% of wire pulling sections, and fiber optic cable splicing completed on almost 55% of the line as of September 25, 2016. *Figure 8* below shows that all of the various structure installation activities are now complete. *Figure 9* below shows the status of wire pulling activities. Near the end of the third quarter Capital mobilized helicopter services to accomplish the wire stringing activities at the Missouri River crossing near Sibley Substation.

Figure 8 - Status of Structure Installation Activities

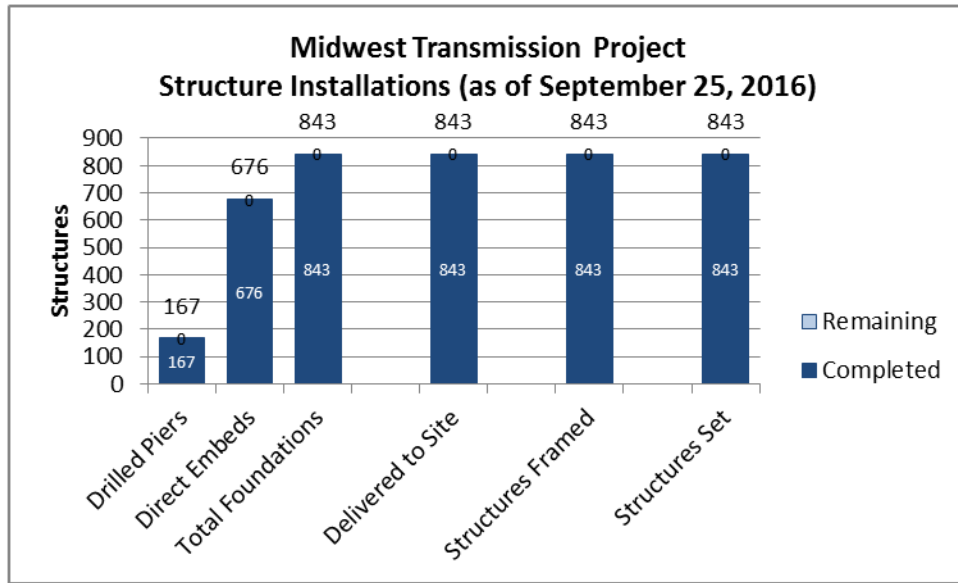
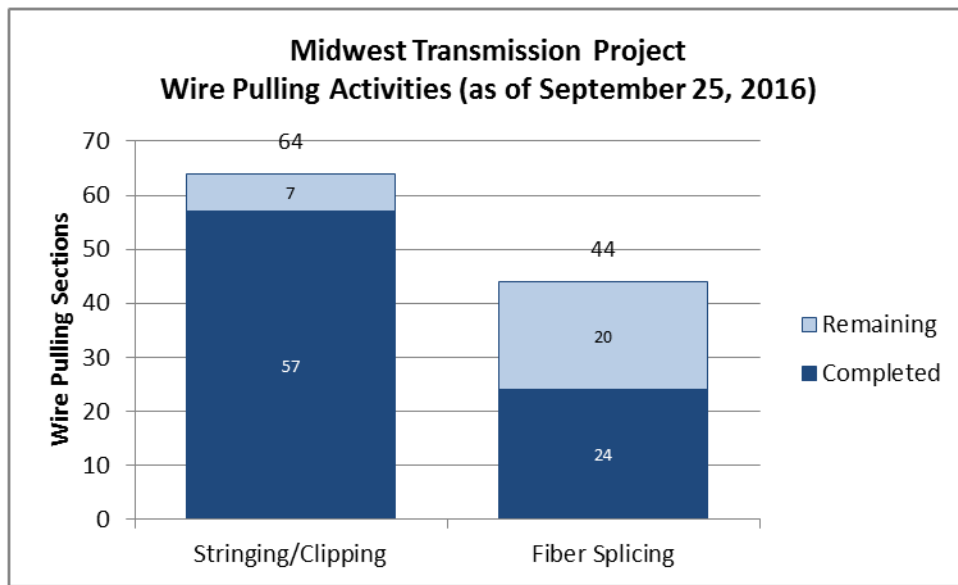


Figure 9 - Status of Wire Pulling Activities



Substation Construction Management

Guetterman Turf and Excavation, LLC (“GTE”) has completed site preparation for the Mullin Creek substation and is now beginning final site restoration (reseeding, gravel, and basin fill in, etc.).

PAR Electrical Contractors, Inc. (“PAR”) completed work for the Mullin Creek foundations during the first quarter of 2016.

The L.E. Myers Company (“LEM”), the electrical construction contractor for the Mullin Creek substation, has substantially completed its scope of work, including setting the steel structures at the substation, and installing control/relay panels, post insulators, interconnect wiring on breakers, structure grounding, disconnect switches, and all cabling with associated terminations.

#### Material Management

Material yards for line materials were developed at several locations along the Project route. All structures and associated equipment for the line have been delivered to the material yards by the suppliers, and as noted above, all of the structures and much of the associated equipment has already been hauled from the material yards to the installation sites. Three of the line material yards have been closed and the remaining line material yard will be closed during the fourth quarter of 2016.

A material yard for substation materials, as well as for some line materials, was also developed near Mullin Creek Substation. All deliveries of the substation and line materials from suppliers to the Mullin Creek material yard were completed during the third quarter. Surplus materials were moved from the Mullin Creek material yard to the remaining line material yard.

All material yards are scheduled to be closed near the end of the third quarter.

#### Testing and Commissioning

KCP&L relay technicians have mobilized to Mullin Creek and Sibley Substations and have started equipment testing and preliminary testing on the protection and control systems.

## Schedule

Overall, the Project is on track with no critical path issues. Estimated completion dates for the major Project activity categories are shown in *Figure 10* below:

**Figure 10 – Estimated Completion Dates**

Project Category	Estimated <sup>11</sup> Completion
Right-of-Way Acquisition	April 2015 A
Environmental Permitting	June 2015 A
Line Engineering	June 2015 A
Substation Engineering	March 2016 A
Procurement / Fabrication / Delivery	December 2015 A
Tree Clearing	March 2016 A
Line Construction	October 2016
Substation Construction	September 2016 A
Cleanup, Culverts & Fences	November 2016
Project In-Service	December 2016
Post In-Service Project Completion	January 2019

The estimated completion dates in *Figure 10* are based on the Level 1 Project Schedule as of September 25, 2016<sup>12</sup>. The Level 1 Project Schedule outlines the major milestones and engineering, procurement, and construction activities that will need to be completed to support a scheduled in-service date of December 2016. It includes the current forecast/actual start and finish dates for the Level 1 summarized activities, as well as the baseline start and finish dates against which project status is tracked and reported.

## Safety

There were no major work-related safety issues on the Project during the third quarter of 2016.

<sup>11</sup> Unless designated as actual these dates are simply current estimates and not necessarily target dates. Any number of factors or circumstances may change and impact these estimates. These estimated completion dates are not to be construed as changing any baseline or target completion dates unless otherwise noted.

<sup>12</sup> The Level 1 Project Schedule as of September 25, 2016 is included as *Attachment B – Midwest Transmission Project Level 1 Schedule (HIGHLY CONFIDENTIAL/PROPRIETARY)*.

## Summary of Contact with the Public

The initial contact with the public regarding the Midwest Transmission Project came in the context of the open house meetings that were held during the route selection process, which culminated in the final route selection in the summer of 2013. Greater detail on the open house meetings and other contact with the public can be found in the public outreach report, which Transource Missouri, KCP&L, and GMO agreed to provide in the context of Case No. EA-2013-0098. The initial public outreach report for the Midwest Transmission Project was filed in EA-2013-0098 on November 5, 2013<sup>13</sup>. It is now the intent that this section of this report shall be utilized to fulfill the requirement for updates to the public outreach efforts.

MTP Project team members continue to meet with county commissioners and other local officials as necessary. County resolutions have now been reached between Transource Missouri and each county along the Project route. Transource Missouri and the MTP Project team will continue to engage the counties and municipalities that the Project will cross to ensure that these governmental bodies are aware of, and are given an opportunity to comment on the Project throughout the construction process.

Prior to the commencement of construction along each portion of the line, landowners with properties on the line were contacted via letter<sup>14</sup> to advise of upcoming work on and/or near their properties. In addition, Capital Electric is contacting landowners by phone or door hanger to advise of upcoming work.

Initial interactions with the public following the final route selection primarily consisted of communications and negotiations with individual landowners regarding the acquisition of necessary easements for the Project. Prior to and during construction the ROW surveying contractors and the ROW clearing and restoration contractors have also been in contact with landowners as they have commenced the surveying, tree clearing, and access construction on the easements that have been acquired for the Project.

As construction has progressed the project team has also has been in communication with affected landowners regarding ROW restoration and damage claims, where applicable. Transource Missouri and the MTP Project team remain willing to meet with landowners, as requested, during any stage of the Project.

Throughout the life of the Midwest Transmission Project, Transource Missouri and the MTP Project team will continue to proactively meet with citizens, local and state officials, and the local news media.

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<sup>13</sup> The initial public outreach report is available through EFIS at [https://www.efis.psc.mo.gov/mpsc/commoncomponents/view\\_itemno\\_details.asp?caseno=EA-2013-0098&attach\\_id=2014007274](https://www.efis.psc.mo.gov/mpsc/commoncomponents/view_itemno_details.asp?caseno=EA-2013-0098&attach_id=2014007274)

<sup>14</sup> An example of the letter to landowners is attached as *Attachment C – Example Landowner Letter*

## Status of Ownership of the Project

### *Transource Missouri Ownership of Project*

Transource Missouri is the current owner of the Project. Transource Missouri is a wholly-owned subsidiary of Transource Energy<sup>SM</sup> LLC (“Transource Energy”)<sup>15</sup>. Transource Energy was formed in 2012 to pursue competitive transmission projects in the SPP, Midcontinent Independent System Operator, Inc. (“MISO”) and PJM Interconnection, LLC (“PJM”) regions, with the potential for expanding to other regions in the future. Great Plains Energy (“GXP”) owns 13.5 percent of Transource Energy, and American Electric Power (“AEP”) owns 86.5 percent.

The SPP Board of Directors approved the Priority Projects, and SPP issued Notifications to Construct (“NTCs”) for the Sibley-Nebraska City Project to GMO and OPPD to be Designated Transmission Owners (“DTOs”) for the Missouri and Nebraska portions of the Project, respectively. SPP issued the NTC to GMO on July 23, 2010, and GMO accepted on September 28, 2010.<sup>16</sup>

KCP&L/GMO, however, received approval from SPP to novate<sup>17</sup> the Missouri portion of the Sibley-Nebraska City Project to Transource Missouri in October 2013. The Federal Energy Regulatory Commission (“FERC”) accepted the SPP-approved designee qualification and novation on December 17, 2013 with an effective date of October 30, 2013.

KCP&L/GMO initiated the novation process, which entailed various interrelated approvals by SPP, FERC, and the MoPSC, in mid-2012. The MoPSC approvals related to this process have been addressed in Case Nos. EO-2012-0367<sup>18</sup> and EA-2013-0098<sup>19</sup>.

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<sup>15</sup> Additional information about Transource Energy can be found at <http://www.transourceenergy.com>

<sup>16</sup> A copy of the NTC issued to GMO, and GMO’s acceptance, can be found in the Q3 2013 Midwest Transmission Project Quarterly Report, which is available through the Electronic Filing and Information System (“EFIS”) on the Missouri Public Service Commission’s (“MSPC” or “Commission”) website at [https://www.efis.psc.mo.gov/mpsc/commoncomponents/view\\_itemno\\_details.asp?caseno=EA-2013-0098&attach\\_id=2014007365](https://www.efis.psc.mo.gov/mpsc/commoncomponents/view_itemno_details.asp?caseno=EA-2013-0098&attach_id=2014007365)

<sup>17</sup> The process governing the construction of transmission facilities within the SPP region and the basis for SPP issuing NTCs are set forth in Section VI of Attachment O to the SPP Open Access Transmission Tariff (“SPP Tariff”). Section VI also describes the process by which transmission owners designated to build projects are to accept or reject such designation by SPP, as well as how they may proceed to relinquish such designation and arrange for another entity to build and own a project in its place, subject to certain qualifications. The full SPP Tariff, as well as individual Schedules and Attachments, can be found at <http://www.spp.org/tariff-viewer.asp>

<sup>18</sup> All case filings and submissions for Case No. EO-2012-0367 are available through EFIS at [https://www.efis.psc.mo.gov/mpsc/Filing\\_Submission/DocketSheet/docket\\_sheet.asp?caseno=EO-2012-0367&pagename=case\\_filing\\_submission\\_FList.asp](https://www.efis.psc.mo.gov/mpsc/Filing_Submission/DocketSheet/docket_sheet.asp?caseno=EO-2012-0367&pagename=case_filing_submission_FList.asp)

<sup>19</sup> All case filings and submissions for Case No. EO-2013-0098 are available through EFIS at [https://www.efis.psc.mo.gov/mpsc/Filing\\_Submission/DocketSheet/docket\\_sheet.asp?caseno=EA-2013-0098&pagename=case\\_filing\\_submission\\_FList.asp](https://www.efis.psc.mo.gov/mpsc/Filing_Submission/DocketSheet/docket_sheet.asp?caseno=EA-2013-0098&pagename=case_filing_submission_FList.asp)



On January 2, 2014, KCP&L/GMO completed the transfer of the Project to Transource Missouri. The transfer included the sale of certain equipment, property, and construction work in progress (“CWIP”) related to the Project from the KCP&L and GMO to Transource Missouri. The terms of the January 2, 2014 transaction are detailed in the Asset Purchase Agreement<sup>20</sup> between the KCP&L/GMO and Transource Missouri that was submitted to the Commission in EA-2013-0098 on January 14, 2014.

### ***Other Project Agreements***

There are other agreements related to the Project between Transource Missouri, KCP&L/GMO, OPPD, and possibly other entities that have been or may need to be developed, finalized, and accepted by FERC in order to facilitate that construction and operation of the Project. These agreements include Interconnection Agreements (“IA”s), Facility Sharing Agreements (“FSA”s), Facility Extension Agreements (“FEA”s), and other agreements, as necessary.

- During the first half of 2015, KCP&L/GMO and Transource Missouri developed, finalized, and received the necessary FERC approval for an FSA<sup>21</sup> to help facilitate utility operations communications for both Transource Missouri and KCP&L/GMO when the Sibley-Nebraska City Project when is goes into service.
- Also during the first half of 2015, GMO and Transource Missouri finalized an IA, which SPP filed on their behalf at FERC<sup>22</sup>. The GMO/Transource Missouri IA reflects that the Project will interconnect with GMO transmission facilities at or near GMO’s Sibley Substation.
- During the fourth quarter of 2015, an FEA between Transource Missouri and GMO was finalized and filed at FERC for approval<sup>23</sup>. This FEA sets forth the terms and conditions by which GMO will construct, and Transource Missouri will pay for, certain facilities to serve Transource Missouri’s Mullin Creek Substation. Specifically, GMO will construct

<sup>20</sup> The submission of the Asset Purchase Agreement is available in EFIS at [https://www.efis.psc.mo.gov/mpsc/commoncomponents/view\\_itemno\\_details.asp?caseno=EA-2013-0098&attach\\_id=2014011019](https://www.efis.psc.mo.gov/mpsc/commoncomponents/view_itemno_details.asp?caseno=EA-2013-0098&attach_id=2014011019)

<sup>21</sup> KCP&L filed the FSA between itself, GMO, Transource Energy, and Transource Missouri at FERC on February 13, 2015 in Docket No. ER15-1046. The GMO and Transource concurrences with the FSA were filed in Docket Nos. ER15-1048 and ER15-1052, respectively. The FSA was accepted by FERC on April 28, 2015. All case filings and submissions for FERC Docket Nos. ER15-1046, ER15-1048, and ER15-1052 are available by searching on the docket number in FERC’s online eLibrary at [http://elibrary.ferc.gov/idmws/docket\\_search.asp](http://elibrary.ferc.gov/idmws/docket_search.asp).

<sup>22</sup> SPP filed the IA between GMO and Transource Missouri at FERC on May 7, 2015 in Docket No. ER15-1680. The IA was accepted by FERC on June 29, 2015. All case filings and submissions for FERC Docket Nos. ER15-1680 are available by searching on the docket number in FERC’s online eLibrary at [http://elibrary.ferc.gov/idmws/docket\\_search.asp](http://elibrary.ferc.gov/idmws/docket_search.asp)

<sup>23</sup> GMO filed the FEA between itself and Transource Missouri at FERC on November 18, 2015 in Docket No. ER16-351. The FEA was accepted by FERC on January 12, 2016. All case filings and submissions for FERC Docket No. ER16-351 are available by searching on the docket number in FERC’s online eLibrary at [http://elibrary.ferc.gov/idmws/docket\\_search.asp](http://elibrary.ferc.gov/idmws/docket_search.asp).

and maintain a new 69kV step-down substation adjacent to the Mullin Creek Substation, which will provide Transource Missouri with redundant sources of station service power. FERC accepted this facilities extension agreement in January 2016.

- During the first quarter of 2016, Transource Missouri and OPPD finalized an IA, which SPP filed on their behalf at FERC<sup>24</sup>. The OPPD/Transource Missouri interconnection agreement reflects that the Project will interconnect with OPPD transmission facilities at the Nebraska-Missouri state line.
- On September 30, 2016 GMO filed for approval at FERC<sup>25</sup> an FEA between itself and Transource Missouri that sets forth the terms and conditions by which GMO will upgrade, and Transource Missouri will pay for, certain underrated equipment at GMO's Sibley Substation. Specifically, GMO will upgrade the facilities to bring the equipment ratings in line with the requirements for the Project.

In addition, as a Transmission Owner under the SPP Tariff, Transource Missouri may be required to enter into Generator Interconnection Agreements ("GIA"s) with the developers of new generation resources in order to facilitate the connection of these new generation resources to the interconnected transmission grid within SPP.

- One such GIA was entered into on December 16, 2015 by Transource Missouri, as the Transmission Owner, and SPP, as the Transmission Provider, with Rock Creek Wind Project, LLC ("Rock Creek"), as the Interconnection Customer. As the Transmission Owner under this GIA, Transource Missouri will own, operate, and maintain certain interconnection facilities and network upgrades that will be paid for by Rock Creek, as the Interconnection Customer. In a matter related to certain of the facilities included in the GIA, Transource Missouri filed an application with the Commission for a Certificate of Convenience and Necessity ("CCN") in Case No. EA-2016-0188<sup>26</sup>. The Commission issued an order granting the CCN on April 6, 2016.

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<sup>24</sup> SPP filed the IA between OPPD and Transource Missouri at FERC on March 16, 2016 in Docket No. ER16-1201. The IA was accepted by FERC on May 6, 2016. All case filings and submissions for FERC Docket Nos. ER16-1201 are available by searching on the docket number in FERC's online eLibrary at [http://elibrary.ferc.gov/idmws/docket\\_search.asp](http://elibrary.ferc.gov/idmws/docket_search.asp)

<sup>25</sup> GMO filed the FEA between itself and Transource Missouri at FERC on September 30, 2016 in Docket No. ER16-2727. FERC has not yet addressed this filing. All case filings and submissions for FERC Docket No. ER16-2727 are available by searching on the docket number in FERC's online eLibrary at [http://elibrary.ferc.gov/idmws/docket\\_search.asp](http://elibrary.ferc.gov/idmws/docket_search.asp).

<sup>26</sup> The CCN application, which includes the GIA as an exhibit, as well as all other case filings and submissions for Case No. EA-2016-0188 are available through EFIS at [https://www.efis.psc.mo.gov/mpsc/Filing\\_Submission/DocketSheet/docket\\_sheet.asp?displayAll=True&caseno=EA-2016-0188&order\\_by=&hdexhibit=&hdtestimony=&hdtranscript=&hdnotices](https://www.efis.psc.mo.gov/mpsc/Filing_Submission/DocketSheet/docket_sheet.asp?displayAll=True&caseno=EA-2016-0188&order_by=&hdexhibit=&hdtestimony=&hdtranscript=&hdnotices)

- A second GIA was entered into on July 15, 2015 by Transource Missouri, as the Transmission Owner, and SPP, as the Transmission Provider, with Osborn Wind Energy, LLC (“Osborn”), as the Interconnection Customer. As the Transmission Owner under this GIA, Transource Missouri will own, operate, and maintain certain interconnection facilities and network upgrades that will be paid for by Osborn, as the Interconnection Customer. In a matter related to certain of the facilities included in the GIA, Transource Missouri filed an application with the Commission for a CCN in Case No. EA-2016-0190<sup>27</sup>. The Commission issued an order granting the CCN on October 5, 2016.

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<sup>27</sup> The CCN application, which includes the GIA as an exhibit, as well as all other case filings and submissions for Case No. EA-2016-0190 are available through EFIS at [https://www.efis.psc.mo.gov/mpsc/Filing\\_Submission/DocketSheet/docket\\_sheet.asp?displayAll=True&caseno=EA-2016-0190&order\\_by=&hdexhibit=&hdtestimony=&hdtranscript=&hdnotices](https://www.efis.psc.mo.gov/mpsc/Filing_Submission/DocketSheet/docket_sheet.asp?displayAll=True&caseno=EA-2016-0190&order_by=&hdexhibit=&hdtestimony=&hdtranscript=&hdnotices)

## Attachments

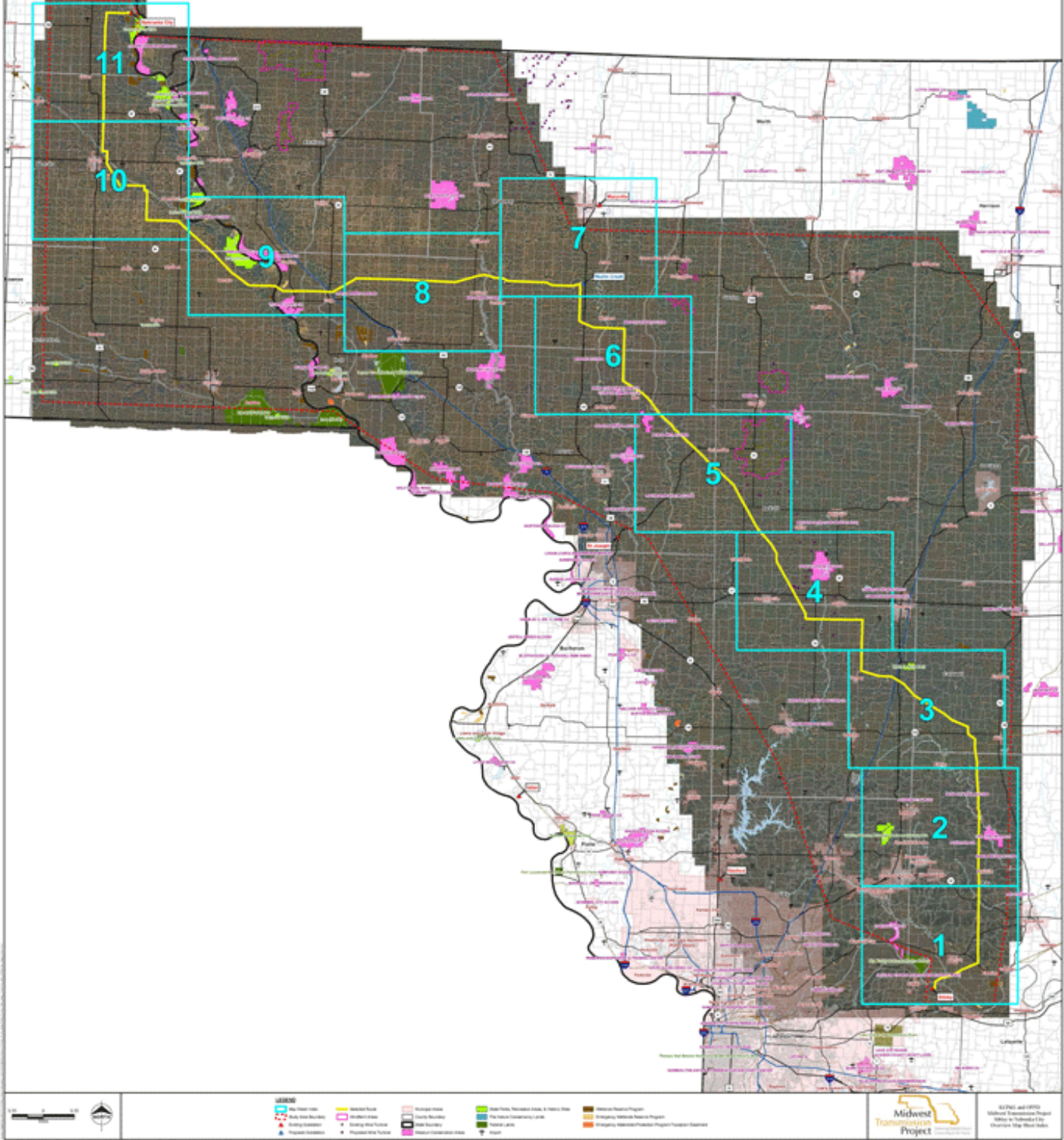
**Attachment A – Midwest Transmission Project FINAL Route**

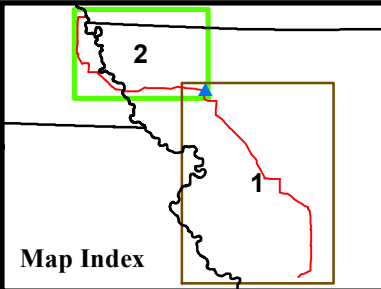
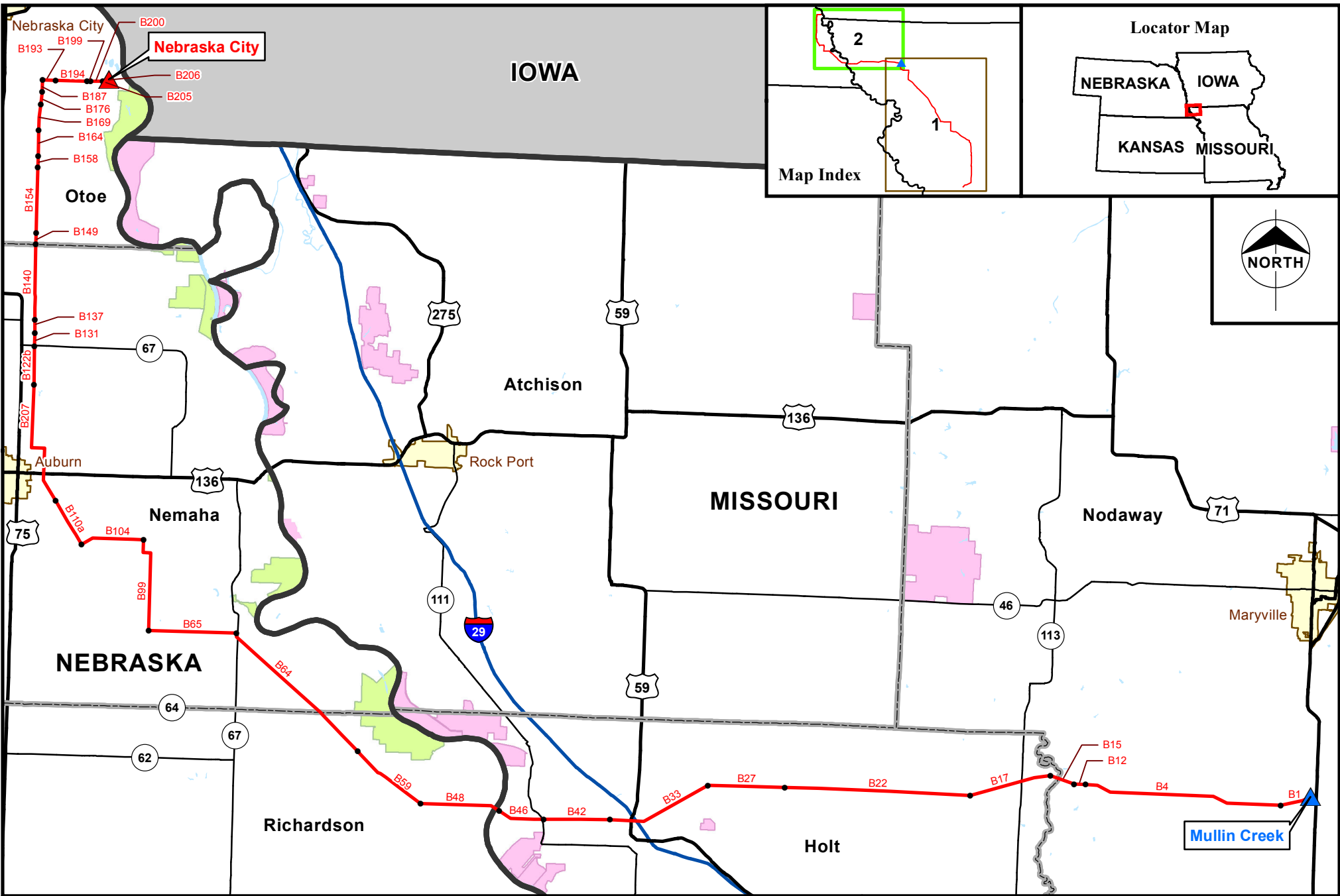
**Attachment B – Midwest Transmission Project Level 1 Schedule (HIGHLY  
CONFIDENTIAL/PROPRIETARY)**

**Attachment C – Example Landowner Letter**

## **Attachment A – Midwest Transmission Project** **FINAL Route**

# Final Route Index Map



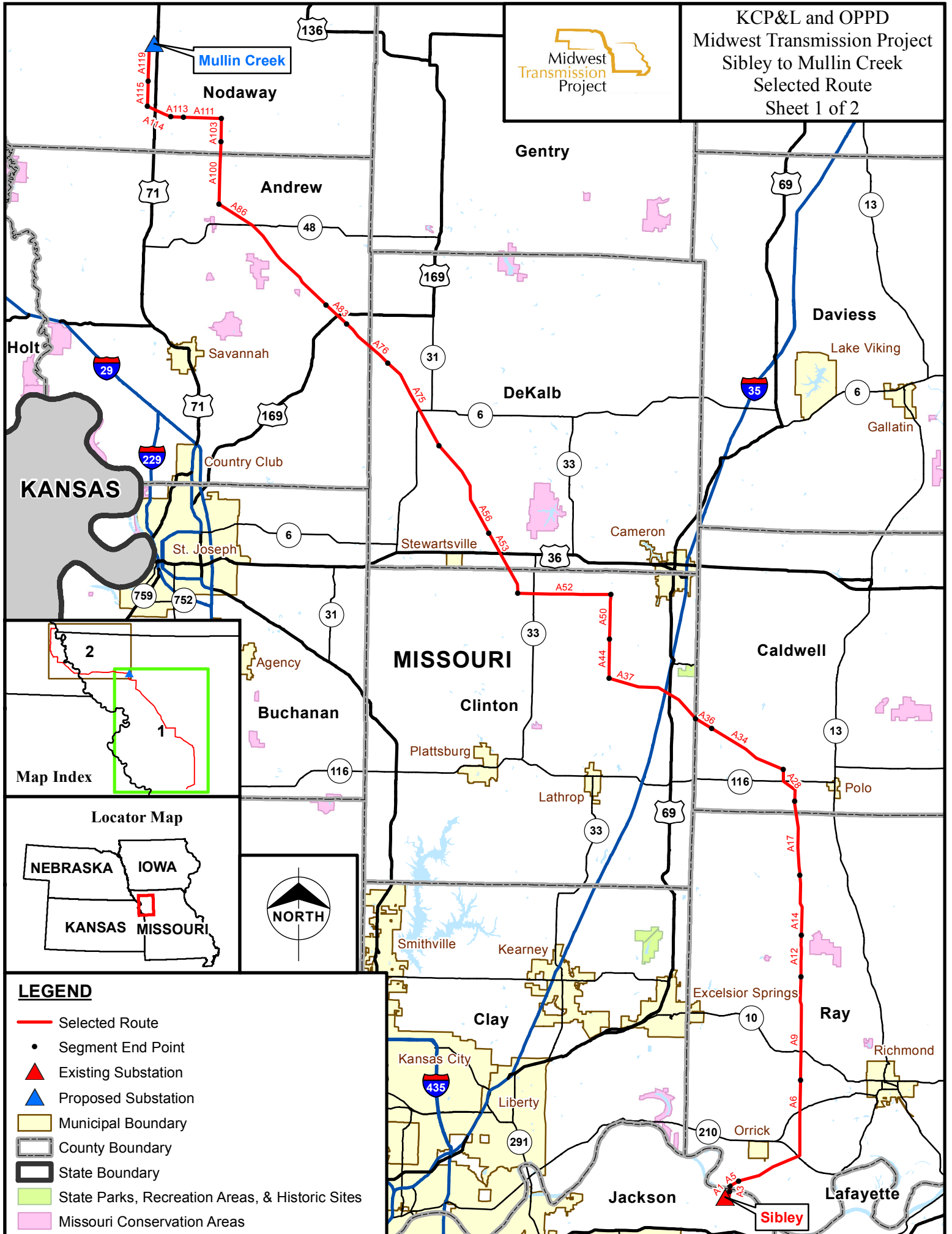


**LEGEND**

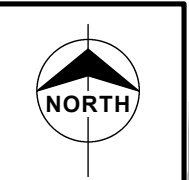
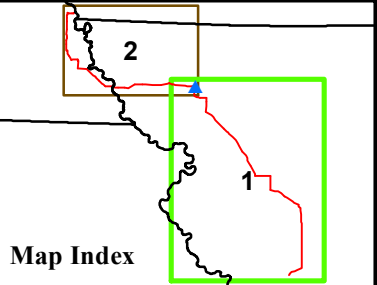
Selected Route	Proposed Substation	State Boundary
Segment End Point	Municipal Boundary	State Parks, Recreation Areas, & Historic Sites
Existing Substation	County Boundary	Missouri Conservation Areas



KCP&L and OPPD  
 Midwest Transmission Project  
 Mullin Creek to Nebraska City  
 Selected Route  
 Sheet 2 of 2



KCP&L and OPPD  
Midwest Transmission Project  
Sibley to Mullin Creek  
Selected Route  
Sheet 1 of 2



- LEGEND**
- Selected Route
  - Segment End Point
  - ▲ Existing Substation
  - ▲ Proposed Substation
  - Municipal Boundary
  - County Boundary
  - State Boundary
  - State Parks, Recreation Areas, & Historic Sites
  - Missouri Conservation Areas



## **Attachment B – Midwest Transmission Project Level 1 Schedule (HIGHLY CONFIDENTIAL/PROPRIETARY)**

**Page 23 contains Highly Confidential/Proprietary Information**

**This page is removed in the Non-Proprietary public version of the report.**

## **Attachment C – Example Landowner Letter**



Midwest Transmission Project  
[REDACTED]

July 24, 2015

[REDACTED]

Subject: Transmission Line Construction – Second Phase  
Midwest Transmission Project

Dear [REDACTED] Landowners:

Kansas City Power & Light Company (KCP&L) on behalf of Transource Missouri, is ready to begin the second phase of construction for the Midwest Transmission Project ("the Project"). During this phase, construction activities such as material hauling, foundation installation, structure setting, conductor stringing and additional tree clearing will occur. Gates and culverts may be installed on some properties. These activities will be performed by contractors working on behalf of Transource.

Our Construction Management contractor, Kenny Construction Company, will be managing the day-to-day Project activities. Should you have questions about this notification or the Project, please call our toll-free public outreach voicemail box at 1-855-687-3450. Please leave a message and we will return your call. You will find other pertinent information regarding the Project at [www.midwesttransmissionproject.com](http://www.midwesttransmissionproject.com). As always, KCP&L thanks you for your cooperation.

Sincerely,

A handwritten signature in blue ink that reads "Julie Shull". The signature is fluid and cursive.

Julie Shull  
Director of Transmission Construction & Corporate Counsel  
Kansas City Power & Light Company  
(On behalf of Transource Missouri, LLC)

cc: T. Arndt, Kenny Construction Company  
P. Maurin  
J. Parks  
D. Slaven  
J. McBee  
R. Albertson  
C. Rice  
Contract File