

Project Name and Ownership Information

View Project Map

[View Project Map](#)

Project Name:
Badger Coulee: La Crosse – North Madison – Cardinal

Project Family Group **See all Family Group Members**
MVP 5 N LaCrosse N Madison Cardinal Dubuque Co. Spring Green Cardinal
[See all Family Group Members](#)

Holding Company or Parent Organization: American Transmission Company
Utility: American Transmission Company

Utility Type: Investor-Owned Utility **FERC 1000 Project**

Co-owner(s): Xcel Energy, Northern States Power Company (NSPW)

Ownership Details: Xcel Energy is co-owner exclusively for N La Crosse- N Madison segment.

Project Details

Project Type: New Line and New Substation and Upgrades
Project Status: Advanced Development

Reported In Service Year: 2018
Reported In Service Month: 12

Operating Voltage: 345
Total Length: 177
Reported Cost or Budget: 580,000,000

Project Description:
Construct a North LaCrosse - North Madison line
North Madison - Cardinal Reconductor
Construct a North Madison - Cardinal line
As proposed, the Badger Coulee project would make a single, 345-kV connection with the Hampton-Rochester-La Crosse portion of the CapX2020 project.
Work includes a new substation on Briggs Road.
This project should offset the need for about \$160 million in lower voltage upgrades in western Wisconsin, provide increased access to the wholesale energy market and could provide up to \$259 and \$841 million in net economic benefits over the life of the project and establish another pathway for renewable energy into Wisconsin with a connection to key load centers.

Endpoint 1 Substation: Arcadia (approximate), North of La Crosse
Endpoint 1 County: La Crosse
Endpoint 1 State: WI

Endpoint 2 Substation: Cardinal Substation, Middleton, WI
Endpoint 2 County: Dane
Endpoint 2 State: WI

Midpoint Connection: North Madison Substation, Vienna
Country: US

NERC Region: Midwest Reliability Organization (MRO)
RTO or ISO: Midcontinent ISO
Primary Reason or Driver: Generation: Renewable

Project Contact:
Residents can submit questions to Lee Meyerhofer at ATC, at 866-899-3204, ext. 6572 or localrelations@atcllc.com. Comments will also be accepted by the PSC at psc.wi.gov.
Media Contact: (877) 506-6117
(866) 899-3204
Supplierinfo@atcllc.com

Project Website: <http://www.cardinal-hickorycreek.com/>

Line Project Details

Line: New **Line: Reconductor**

Number of Circuits: Double Circuit
Conductor Type: ACSR

Conductor/Cable Characteristics: T2-477 HAWK ACSR

STRUCTURES:

ST: Steel Monopole

SUBSTATION PROPERTIES

Number of New Substations: 1
Number of Substation Upgrades: 0

Number of Transformers: 1
Rating (MVA): 2110

Number New Converter Stations: 0

Project News

News Articles

Full Report	Email	More	25 News Articles
	▲	Date of Article	News Article Headline:
		06-03-2015	PSC unanimously rejects requests for new hearing on Badger-Coulee transmission line
		04-23-2015	Badger-Coulee gets final OK; land acquisition to begin for high-voltage line
		03-26-2015	PSC approves transmission line project from Madison to La Crosse
		03-15-2015	Wisconsin regulators to decide soon on power line projects
		02-11-2015	Utilities favor northern route for transmission line Badger-Coulee
		01-01-2015	Badger-Coulee project comment period ends Jan. 5
		11-19-2014	Experts, advocates debate need for high-voltage project, the 345-kilovolt Badger-Coulee line

Personal Notes:

Project Record History

Project Profile History:

August 2015: No changes MTEP Approved Plan (Appendix A) Quarterly Status Report through 6/30/2015

May 2015: Construction planned to begin in 2016. <http://goo.gl/VzDXcc>

April 2015: Badger-Coulee gets final OK; land acquisition to begin for high-voltage line <http://bit.ly/1E96sZ7>

March 2015: PSC approves transmission line project <http://bit.ly/1GVheuT>

January 2015: MISO.2014.MTEP.11.8.2014

August 2014: A proposed high-voltage power line linking Madison and La Crosse would cost up to \$580 million, of which about \$87 million would be paid for by Wisconsin utility customers. <http://bit.ly/1tj9wMy>

July 2014: As Transmission Hub previously reported, despite some earlier opposition from Reedsburg city officials and public opinion, and a request for more information from the commission in November 2013, ATC still expects to receive a positive response from the commission in 2015 and start construction of the Badger Coulee line in 2016. <http://bit.ly/1t6IVGR>

June 2014: Application filed with the PSC <http://bit.ly/1JLJUrJ>

May 2014: The project's cost – now estimated at \$540 million to \$580 million depending on the route. <http://bit.ly/1nBQpL3>

January 2014: Cost changed from \$518,000,000, MTEP 2013 APPENDIX A and B

November 2013 MISO 3rd Quarter 2013 Update.9.13.2013

November 2013: Per ATC 10 Year Assessment <http://bit.ly/1aNHpO4>

October 2013: Application to construct Holmen (aka La Crosse endpoint) - Madison segment of project has been filed. Cost estimated between \$514 and \$522 million. <http://bit.ly/1kCD1sc>

September 2013: Work includes a new substation on Briggs Road. <http://bit.ly/1rtn6Ld>

August 2013: Reported costs from the transmission owners range from \$510 to \$530 million, depending on the ordered route. As proposed, the Badger Coulee project would make a single, 345-kV connection with the Hampton-Rochester-La Crosse portion of the CapX2020 project. <http://bit.ly/1eQd53n>

Spans could range from 600 to 1,000 feet, but would typically be 700 to 1,000 feet <http://bit.ly/1pt7dpT>

June 2013: Anticipated Begin construction: 2016 <http://bit.ly/1sVLuGj>

March 2013: MISO MTEP 2012

December 2012: Costs for this project currently estimated between \$475 and 500 million. <http://bit.ly/1rnc5G>

July 2012: As of Q2 2012 status report, Midwest ISO has accelerated this project's in service from 2018 to 2017. <http://bit.ly/1kpAtYY>

February 2012: Xcel and Northern States Power Company collectively filed a formal complaint against American Transmission Company, LLC (ATC) regarding this line.

December 2011: Midwest ISO has merged the planning of ATC's Badger Coulee Project with ATC's Dubuque County - Spring Green - Cardinal project, together as a whole, are part of MISO's MVP Candidate Portfolio in the 2011 Transmission Expansion Plan (MTEP) report, meaning they are approved and being pushed to completion by Midwest ISO's board of directors. Midwest ISO is referring to the project as N. LaCrosse-N. Madison-Cardinal, Dubuque Co.-Spring Green-Cardinal, Midwest ISO has broken the Badger Coulee project out into the following segments in the MTEP11 appendices:
1) North La Crosse - North Madison: 136.33 miles new line
2) North Madison - Cardinal: Reconductor with T2-477 HAWK ACSR, 20.546 upgraded line
3) North Madison - Cardinal: Construct 345 kV line, 20.546 new line

June 2011: American Transmission Co. is continuing a multi-year public outreach process for the proposed Badger Coulee Transmission Line Project with the second in a series of informational open-houses in late June for residents and other stakeholders to review potential corridors for the proposed 150-mile, 345-kilovolt line from north of La Crosse to northern Dane County. <http://bit.ly/1zbuZbA>

March 11: Public Outreach Underway. Estimated 150 miles long when complete, estimated cost is \$425,000,000 <http://bit.ly/1Bfupgk>

December 2010: In MISO MTEP10 Appendix B: Facility 5626: Construct a North LaCrosse - North Madison 345-kV line; \$362,331,250, 20.546 mi new lines, in service 12/31/18 5627: North Madison - Cardinal Reconductor with T2-477 HAWK ACSR, 20.546 mi upgraded lines, 12/31/17 5628: Construct a North Madison - Cardinal 345-kV line; \$54,628,812, 136.33 mi new lines, 12/31/18

October 2010: ATC plans to submit its application to the state Public Service Commission in 2013 and get a decision in 2014. If approved, construction would begin 2016, with completion in 2018. <http://bit.ly/1qMLH>

American Transmission Co. has plans for a high-voltage transmission line in western Wisconsin that would address electric system reliability issues locally and in the Midwest, provide economic savings and support renewable energy policy. The area in western Wisconsin, from the La Crosse area to northern Dane County, is being considered as a possible corridor for the approximately 150-mile, 345-kilovolt line.
PROJECT AT A GLANCE: Area benefited: Eastern Wisconsin and the Midwest region Line length: Approximately 150 miles, containing: 345,000 volts , End points: The southern end point of the line will be the North Madison Substation in the Town of Vienna, continuing to the Cardinal Substation in the Town of Middleton. The northern end point of the line has not yet been determined. SCHEDULE: Identify potential routes with public involvement: Fall 2010-2011 Submit application to Public Service Commission: 2013 Receive PSC decision: 2014 Begin construction; 2015 In-service date: 2018

August 2010: <http://bit.ly/1AtkWTm>

Data Source ID/#: MISO Project 3127, Facility 5626, 5627, 5628
C Three ID#: 8353

Last C Three Update: AUG-25-2015
Last Updated By: Douglas Suto

Copyright: Copyright 2015, The C Three Group, LLC. Registered Trademark, All Rights Reserved.

Record Owner: Jones, Mally
Date Created: 07-27-2010