LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, October 9, 2024

Agenda Item
Item 6. C. - CenterPoint Energy (CPE) Xenwood Avenue and West 125th Street (LMRWD No. 2024-018)

Prepared By
Linda Loomis, Administrator

Summary
CenterPoint Energy is planning to replace aging infrastructure in the City of Savage and applied for a permit to undertake the work. Young Environmental Consulting Group, on behalf of the LMRWD, has reviewed the application and is recommending conditional approval contingent upon receipt of contact information for the person(s) responsible for construction and maintenance of erosion and sediment control measures, and documentation of approval of the project from the City of Savage for work in the road right-of-way. Details of the review can be found in Technical Memorandum - CenterPoint Energy (CPE) Xenwood Avenue and West 125th Street (LMRWD No. 2024-018) dated October 2, 2024.

Attachments
Technical Memorandum - CenterPoint Energy (CPE) Xenwood Avenue and West 125th Street (LMRWD No. 2024-018) dated October 2, 2024

Recommended Action
Motion conditionally approve a permit for CenterPoint Energy (CPE) Xenwood Avenue and West 125th Street (LMRWD No. 2024-018) contingent upon the receipt of contact information for the person(s) responsible for construction and maintenance of erosion and sediment control measures, and documentation of approval of the project from the City of Savage for work in the road right-of-way.

Young Environmental Consulting Group, LLC

Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District (LMRWD)

From: Erica Bock, Water Resources Scientist
Hannah LeClaire, PE, Project Manager

Date: October 2, 2024

Re: CenterPoint Energy (CPE) Xenwood Avenue and West 125th Street (LMRWD No. 2024-018)

Center Point Energy (CPE) has applied for an individual project permit from the LMRWD to install a new plastic natural gas pipeline and to abandon the existing line in the City of Savage along Xenwood Avenue and West 125th Street, as shown in Figure 1. The applicant's engineer, Merjent, submitted the permit application, associated application exhibits, and site plans for the CPE Project.

The proposed project consists of installing approximately 75 feet of 2-inch-diameter and 2,403 feet of 4-inch-diameter plastic natural gas pipeline. Installation of the new pipeline will involve the directional boring method with additional excavations for tie-ins, service lines, and abandonment of the existing line. Approximately 3,518 feet of pipeline of varying diameter will be abandoned in-place within the project area. The project is located within the 100-year floodplain of the Credit River. The total disturbed area within the LMRWD is 624 square feet (0.01 acres), including 102 cubic yards of proposed excavation and fill within the floodplain. All project areas will be returned to preconstruction grade, condition, and contours following the completion of construction activities. The project is not located within a High Value Resource Area. The project requires an individual permit for Rule C because the City of Savage does not have their LMRWD Municipal Permit. The project proposes to start construction after project approval in October 2024.

SUMMARY

Project Name: CPE Xenwood Avenue and West 125th Street

Purpose: Installation of underground natural gas pipeline in road ROW

Project Size:

Area Disturbed	Cut	Fill	Net Chage
624 square feet	102 cubic yards	102 cubic yards	0 cubic yards

Location: Right of Way Xenwood Avenue and West 125th Street in Savage, MN 55378

LMRWD Rules: Rule C – Floodplain and Drainage Alteration

Recommended Board Action: Conditional approval

DISCUSSION

The LMRWD received the following documents for review:

- LMRWD online permit application, received August 23, 2024
- LMRWD permit application cover letter and plans by Merjent, dated and received August 23, 2024
- Permit application fee of $750, received August 27, 2024
- CenterPoint Energy response to the LMRWD comment from Merjent, dated and received September 11, 2024

The application was deemed complete on September 11, 2024, and the documents received provide the minimum information necessary for permit review.

Rule C – Floodplain and Drainage Alteration

The LMRWD requires the applicant to provide documentation ensuring that the proposed project will not cause an increase in 100-year water surface elevations. The project is located within the Credit River 100-year floodplain, as seen on the Scott County flood insurance rate map (FIRM) panel 27139C0063E, effective February 12, 2021. The effective FIRM shows the project in FEMA Zone AE (or the 100-year floodplain), with a 100-year elevation of 729.0 NAVD88. The applicant proposes different types of excavation and has provided information on the scope and quantity of excavations within the floodplain.

1. Bore and tie-in (12 cubic yards of excavation and fill total):
    a. The project proposes five bore and tie-in locations within the floodplain.
    b. Bore and tie-in sites are necessary to install the new pipeline. The pipeline to be installed will be drilled (bored) at an angle into the excavation. When the bore is complete, the pipeline surfaces at another bore and tie-in site.
    c. Tie-in sites are required where the new pipeline will connect to the existing pipeline,

or where two or more pipelines intersect. Excavations are required at these locations to complete pipeline connections.

2. Cut and cap (74 cubic yards of excavation and fill total):
    a. CPE proposes four cut and cap locations within the floodplain.
    b. Cut and cap sites are necessary at the ends of newly installed pipeline and of existing pipeline. The pipeline at these locations is cut, and then a cap is placed on the end of the pipeline to seal it.
3. Service tie-ins (16 cubic yards of excavation and fill total):
    a. The project proposes nine service tie-in excavations within the floodplain.
    b. Service tie-ins are necessary to connect the existing service line to the newly installed pipeline. Excavations should be located at the intersection of the existing service line and the new pipeline.

These excavations total 102 cubic yards of excavation and fill and 624 square feet of temporary soil disturbance. All bore and tie-in locations are located within the City road right-of-way, and documentation of approval from the City of Savage will be required as a conditional approval item. All disturbed areas will be restored to existing conditions, including revegetation. Because no permanent alterations will be made to ground elevations in the floodplain, modeling and a no-rise certificate were not required.

The applicant submitted erosion and sediment control plans. Temporary BMPs proposed include silt fence, mulch, and seed for disturbed areas. The applicant provided contact information for the contractors undertaking land disturbing activities as part of the proposed project:

Michels Corporation (Michels):
Jeremy Cook
612-363-5095
jcook@michels.us

The project generally complies with Rule C; however, contact information for the person responsible for inspection and maintenance of all erosion and sediment control features is required before the LMRWD can issue a permit.

Recommendations

Based on review of the project, we recommend conditional approval of the CPE Xenwood Avenue and West 125th Street Project for installation of a new natural gas line, contingent on receipt of the following:

- Contact information for the person responsible for construction and maintenance of erosion and sediment control measures.
- Documentation of approval from the City of Savage for work in the road right-of-way

Attachments

- Figure 1—CPE Xenwood and W 125th St. Project Location

EROSION and SEDIMENT CONTROL NOTES

1. Perimeter sediment controls (fiber logs or equivalent) will be installed down-gradient of temporary stockpiles, displaced trench material, and bore pits.
2. All associated equipment will be clean of soil or sediment before leaving off site. Street sweeping will be performed routinely as needed to remove tracked sediment.
3. Seed and erosion control blanket will be installed wherever soil disturbance occurs in a grassed or vegetated right-of-way. These stabilization BMPs will be implemented upon restoration of the R.O.W., and in no case later than 14 days after completion of construction activity.
4. All curb & gutter catch basins receiving stormwater runoff from the project area will have inlet protection coverage installed and maintained.
5. Post-construction conditions will result in no change to the pre-construction conditions. Drainage patterns, contours, and vegetation will not be altered from pre-existing conditions.
6. Project site will be inspected for compliance with erosion and sediment control once every 7 days or after a 0.5" rainfall event.
7. Non-functional BMPs must be repaired or replaced within 24 hours of discovery.

Michels Corporation is responsible for BMPs during project installation.

Q3 Contracting is responsible for restoration.

Excavation Dimensions:
Bore/Tie-In: (4' x 4' x 4') = 64 ft³, 2.37 yd³

Cut and Cap: (10' x 10' x 5') = 500 ft³, 18.52 yd³

Service Tie-In: (4' x 4' x 3') = 48 ft³, 1.78 yd³

Disturbances within wetland are not anticipated as a result of construction activities. Wetland will be crossed via the bore method.

Staging may be necessary in different locations within the project area dependent on site conditions.

The site inspector and/or contractor are responsible for incorporating additional BMPs as site conditions dictate.

South Frontage Rd
W 123Rd St
W 124Th St
W 125Th St
Xenwood Ave
Toledo Ave

718.9 Feet
722.6 Feet
725.8 Feet
727.6 Feet
728.4 Feet

0 75 150 Feet
1:1,800

N W E S

merjent. CenterPoint Energy

For Environmental Review Purposes Only

Figure 2: Site Plan
Xenwood Ave & 125 St W Project (WO# 113233080)
CenterPoint Energy
Savage, Scott County, Minnesota

- Bore/Tie-In Site
- Cut and Cap
- Service Tie-In Excavation
- 2" Proposed Pipeline - Bore Method
- 4" Proposed Pipeline - Bore Method
- Proposed Service Line
- Proposed Abandonment
- BMP
- Stormwater Flow
- 2' Contour (Scott County, MN)
- Cross-Sections (FEMA)
- NHD Waterbody
- NWI Wetland
- 1% Annual Chance Flood Hazard (FEMA)
- Proposed Staging Area

Source: Z:\Clients\A_D\CenterPoint\Minnesota\2024\Xenwood_and_125\ArcGIS\Permitting\Xenwood_and_125\Xenwood_and_125.aprx

Date: (9/10/2024)