COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 24, 2018
AGENDA NUMBER: 8
FILE NUMBER: 18-159
ITEM: Center Point Energy Natural Gas Operations

RECOMMENDATION: Approve with 1 Stipulations

APPLICANT: CenterPoint Energy
Attn: Chris LaNasa
700 West Linden Ave
Minneapolis, MN 55403

PURPOSE: Replacement of 8,641 LF of natural gas line

LOCATION: Along Hanson Blvd (CR 78), between Bluebird and Jay Street, Andover MN
APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses
4. The lands and waters that have been or may be covered by the regional flood.
5. Endangered, Threatened or Special concern species, elements or communities.

EXHIBITS:
1. Project Narrative by CenterPoint Energy, dated 8/24/18, received 8/27/18.
2. Project Schedule by CenterPoint Energy, dated 8/24/18, received 8/27/18.
3. Exhibits (7 sheets) by CenterPoint Energy, undated, received 9/12/18.
4. Erosion Control Plan Notes and Typically BMPs; by CenterPoint Energy, undated, received 9/12/18.
5. MPARS Temporary Water Appropriation General Permit Authorization; by MNDNR, undated, expires 12/31/18, received 9/12/18.
6. EAW Excerpt for CSAH 78 Expansion Project; by SHE, dated 7/18, received 9/12/18.
PREVIOUS ACTION TAKEN: This project was tabled at the September 10, 2018 board meeting with 10 stipulations:

1. Receipt of escrows.
2. Provide as-built of gas line under Coon Creek to ensure 4-foot separation is meet from top of line to bottom of approved Ditch elevation of 864.3 (NAVD 88).
3. Provide Erosion Control Plan that addresses the following issues:
   a. Acknowledge that stabilization/revegetation of excavation sites will take place within 7 days of project completion.
   b. Soil stockpiles associated with bore holes will be fitted with sediment trapping measures to prevent soil loss.
   c. Work adjacent to water or related resources have taken precautions to contain sediment and stabilize the work area during construction.
   d. Provisions made to minimize transports of sediment by runoff or vehicle racking onto paved surfaces.
   e. Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.

4. Provide well-field location, rates, discharge location, schedule, quantities. Provide copy of approved DNR appropriation permit.

5. Clarification of pipe lengths and pipe replacement under Coon Creek.

6. Provide supporting information the project qualifies for a no-loss or utility exemption and a MN Joint Application.

7. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas, wildlife travel corridors, and provide statement of avoidance if these items are present.

FINDINGS:
Pre-application Meeting: The project as submitted has not received a general review during a pre-application meeting.

Ditches: There is a public ditch on the property. The public ditch is Coon Creek according to the public drainage map. The approved elevations through this property are 864.3 ft MSL at the downstream end and 864.3 ft MSL at the upstream end.

The ditch is a 5th order stream. The ditch serves the primary role of
   a. Trunk drainage system

The ditch serves approximately 0 acres of agricultural land.
Land use in the area is toward residential development.
There are no flooding concerns upstream and/or downstream.

The ditch has been inspected.
Existing elevations, slopes and condition of ditch are fair.
The ditch is not in need of repair.

Ditch Hydraulics: An underground boring of the ditch is proposed.

Erosion and Sediment Control: Soils affected by the proposal are Isanti, Lino, Rifle. Sartell, Seelyeville, Zimmerman.
• Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
• Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss.
• Adjacent properties and stormwater ponds are protected from sediment deposition.
• Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
• Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes.
• All storm sewer inlets are protected from sediment-laden water during construction. All work adjacent to water or related resource has not taken precautions to contain sediment and stabilize the work area during construction.
• Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle racking onto the paved surface.
• Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
• Construction entrance points are clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

Dewatering: Shallow ground water does exist on site. The project does require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream or downstream.

High Water Flooding: Information is not needed to substantiate low floor elevations, no structures proposed.

Groundwater: Geotechnical information is not needed, no structures or infiltration practices proposed.

The project site is within the Emergency Response Area/10 Year Well Head Protection Area/Drinking Water Supply Management Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

Historic Sites: The proposed project does include sites of historic or archeological significance.
Local Planning & Zoning: The proposed project is consistent with local planning and zoning. There is an approved local water plan.

Maintenance: No Stormwater Management features or treatment practices are proposed as part of the project.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.

Stormwater & Hydrology: No changes to stormwater runoff are expected as part of the project. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system.

Drainage sensitive uses do not exist downstream from the proposed site. The rate of post-development runoff from the site does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. No increases in the volume, velocity and peak water flow rates of stormwater runoff are expected. No concentrated storm water expected as part of the project. No on-site constructed storm water conveyance channels will be constructed as part of the project.

Water Quality: The proposed project does not cause an exceedance of State water quality standards. The project does not contribute to the adverse impact of wetlands through inundation or volume of flow. All discharges into wetlands are pretreated via overland flow. All work adjacent to wetlands, waterbodies and water conveyance systems are protected from erosion. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.

Impairments: This project is within one (1) mile of and drains to an Impaired Water. The Impaired Water is Coon Creek. Coon Creek is impaired for (Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli). The major stressors are Total Phosphorus (TP)/E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are no new impervious surfaces proposed as part of this project.

Wetlands: The proposed project states it will occur only in upland areas and wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetland delineation has not been provided.

The wetland is not a DNR protected water.

There are no proposed wetland impacts.

The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.
**Wetland Replacement Plan:** A wetland replacement plan is not needed.

**Wildlife:** The proposed project does include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. The DNR has reviewed the project and the NHIS database and determined no potential impacts are expected and no additional surveys are needed.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species.

**Performance Escrow:** $2,360 Received 9/17/2018 receipt #3912

**Wetland Escrow:** $ N/A

There are not ditch liens on the property.

### ISSUES/CONCERNS:

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td><strong>Ditches</strong>: Construction plans include directional bore under Coon Creek.</td>
<td>1. Top of pipe must be placed at least 860.3 (NAVD 88) deep. Provide as-built of gas line under Coon Creek to ensure 4-foot separation is meet from top of line to bottom of approved Ditch elevation of 864.3 (NAVD 88).</td>
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**RECOMMENDATION:** Approve with 1 Stipulations

**Stipulations:**

1. Provide as-built of gas line under Coon Creek to ensure 4-foot separation is meet from top of line to bottom of approved Ditch elevation of 864.3 (NAVD 88).