COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: September 22, 2014
AGENDA NUMBER: 8
FILE NUMBER: 14 - 108
ITEM: Capacitor Bank & Control

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: Connexus Energy
Debbie Tyler
14601 Ramsey Blvd NW
Ramsey MN 55303

PURPOSE: Install a new capacitor bank to support voltage and power factor for the City of Andover

LOCATION: South side of Andover Blvd at Crosstown Blvd, Andover MN
**APPLICABILITY:**

1. Any work within or adjacent to a Public Ditch within the Watershed District.
2. Any work in or adjacent to wetlands, lakes or water courses.
3. The lands and water that have been, or may be covered by the regional flood
4. High water table, outwash and organic soils.
5. High infiltration soils.
6. Highly erodible soils
7. Endangered, Threatened or Special concern species, elements of communities

**EXHIBITS:**
Project Schedule and Timeline by Connexus Energy, dated September 5, 2014, received September 10, 2014

**HISTORY & CONSIDERATIONS:**

**FINDINGS:**

**Ditches and Drainage:** There is not a public ditch on the property. The project site is tributary to County Ditch 57. The trend in land use for this drainage area is toward open space and residential. There are no flooding concerns downstream. Alternatives to additional drainage considered and reviewed include storage and retention.

**Floodplain:** There is 100-year floodplain on the property according to FEMA. However, the 100-year floodplain is not a regulatory floodplain. The District Atlas 14 model predicts the 100-year elevation for the subwatershed at 872.6 feet (NAVD 88). The total floodplain impact is 0 acre-feet, within the floodplain. Compensatory storage is not needed.

**Groundwater:** Ground water information was not provided and is not needed. The site does not include groundwater sensitive areas.

**Historic Sites:** The proposed project does not 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:** The proposed project does include a ditch maintenance easement or utility line crossings. Property owners affected by changes in drainage have not been notified and have not acknowledged the changes proposed.

**Soils & Erosion Control:** Soils affected by the proposal are Sartell and Markey. Stabilizing vegetation is proposed for disturbed areas within two weeks of rough grading. Adjacent properties are protected from sediment deposition. All wetlands, waterbodies, ponds, infiltration basins and water conveyance systems are protected from erosion and sedimentation. Project site is not greater than 1 acre; an NPDES permit is not required.
**Stormwater & Hydraulics:** The applicant is not meeting the volume management requirement equivalent to infiltrating runoff from the first inch of precipitation and is not needed.

**Water Quality:** Project does not include new impervious drainage areas greater than 1 acre. All discharges into wetlands are pretreated by a sediment basin/water quality pond and are designed correctly. 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.

**Wetlands:** Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. No wetland impacts are proposed.

**Wildlife:** The proposed project includes the threatened Blanding’s Turtle (*Emydoidea blandingii*). Measures to avoid and minimize impacts to the threatened species should be implemented.

**Performance Escrows:** $2,000.50

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>Wildlife: The proposed project includes the threatened Blanding’s Turtle (<em>Emydoidea blandingii</em>).</th>
<th>1. Implement measures to avoid and minimize impacts to the threatened species.</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (0.001 ac * $500/ac) = $2,000.50</td>
<td>2. Receipt of escrows.</td>
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</tbody>
</table>

**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**
1. Receipt of escrows.
2. Implement measures to avoid and minimize impacts to the threatened species.