



BRAINERD HYDROELECTRIC PROJECT

SUPPORT H.F. 1366 / S.F. 1971

HISTORY

The Brainerd Hydroelectric Dam is an important infrastructure piece in the region's history. The dam was originally constructed in 1887 to utilize the power of the Mississippi River for both energy production and lumber mill operation. Today, the dam provides flood control, water management, renewable energy, and serves as a recreational site, all of which contribute to the local economy and support the community.

PROJECT DESCRIPTION

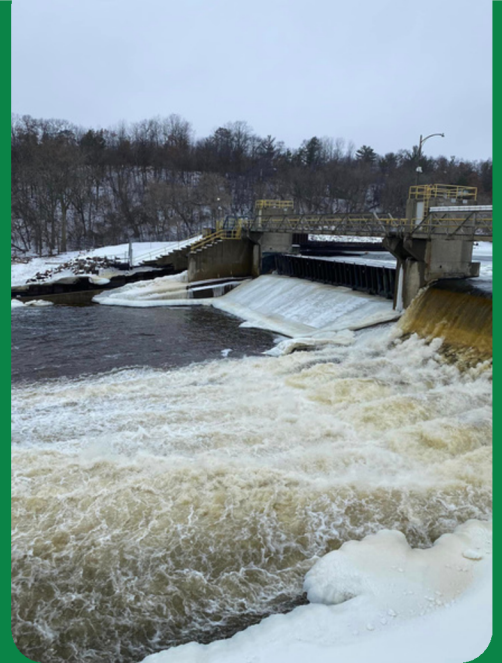
- Facility is equipped with 5 generators but **only 2 are currently operational**, achieving **less than 5% of the City's demands** and decreasing each day.
- By implementing new generation technology, it will allow the Brainerd community to make the most out of this carbon-free electric generation in the future.

PROJECT GOALS

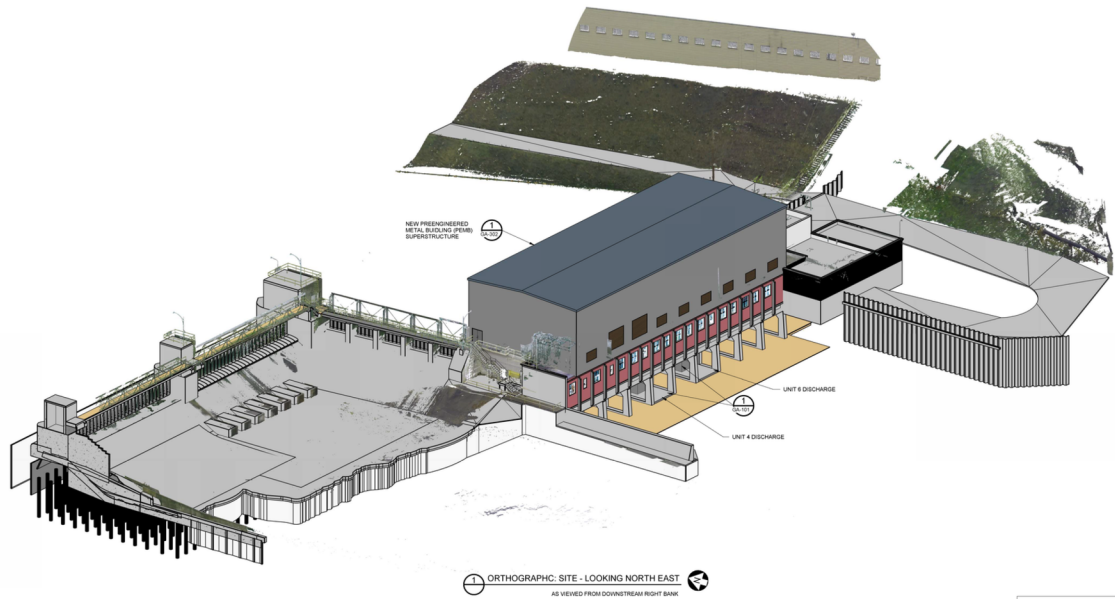
The Commission aims to meet the requirements under the **Renewable Energy Standards (RES)** and **100% carbon-free energy by 2040** initiatives by adding additional generation to achieve the following:

- Meet standards designed to promote clean energy, reduce greenhouse gas emissions, and encourage development of renewable energy infrastructure.
- Provide **over 12% of the City's energy needs**.
- Utilize low flow generators that can **operate more efficiently**.

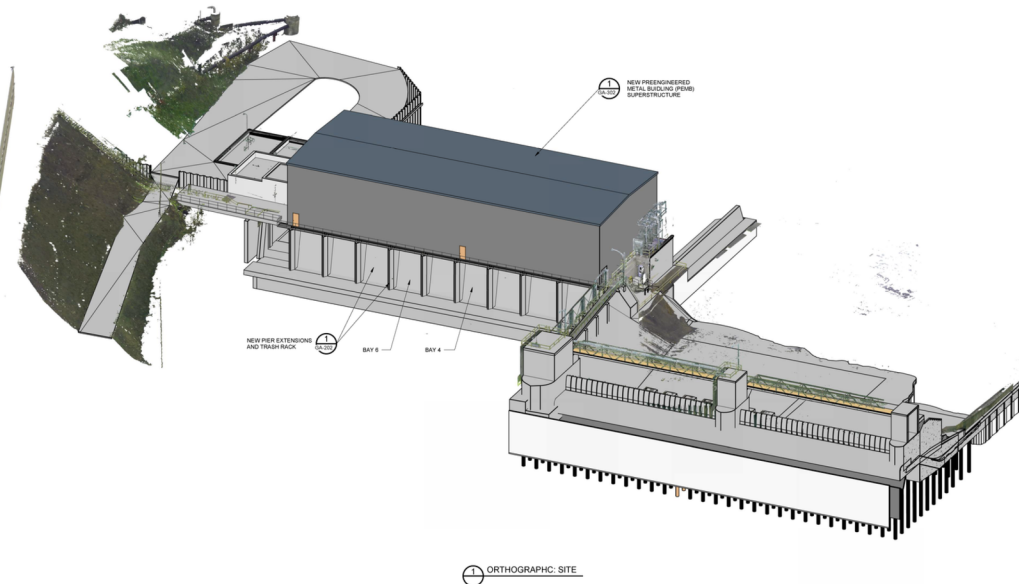
H.F. 1366 / S.F. 1971 would provide \$9.9 million of the \$14.6 million total cost to fund this vital project for the City of Brainerd.



CONCEPT DRAWINGS



WE HEREBY CERTIFY THAT THIS PLAN IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 1031 STANDARD FOR THE PROFESSIONAL FIRE FIGHTER, AND THAT THE PLAN IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 1031 STANDARD FOR THE PROFESSIONAL FIRE FIGHTER.										CLIENT NO. 00000000		DATE 00/00/00		PROJECT OFFICE		DATE 00/00/00		POWERHOUSE MODIFICATIONS BRAINER DAM		STATE PROJECT NO. 23101016	
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<p>WE HEREBY CERTIFY THAT THIS PLAN IS A TRUE AND CORRECT COPY OF THE PLAN AS SUBMITTED TO THE STATE OF MINNESOTA FOR REGISTRATION AND THAT ANY DISCREPANCY BETWEEN THIS PLAN AND THE PLAN AS SUBMITTED TO THE STATE OF MINNESOTA FOR REGISTRATION WILL BE THE RESPONSIBILITY OF THE SUBMITTER.</p>		<p>CLIENT: 22004</p>		<p>Project Office  BARR ENGINEERING & CONSTRUCTION 10000 MARQUETTE DRIVE ELYSIUM 200 MINNEAPOLIS, MN 55435 TEL: 612.339.1277 FAX: 612.339.1278 WWW.BARRINC.COM</p>		<p>Issue: AS SHOWN 1/24/24</p>		<p>POWERHOUSE MODIFICATIONS BRAINER DAM</p>		<p>DATE: 1/24/24 DRAWN BY: JRM CHECKED BY: JRM DESIGNED BY: JRM PROJECT NO: 221010</p>	
<p>DATE: 1/24/24 DRAWN BY: JRM CHECKED BY: JRM DESIGNED BY: JRM PROJECT NO: 221010</p>		<p>PROJECT: POWERHOUSE MODIFICATIONS - BRAINER DAM CITY: COONABOWING, MN 55007 COUNTY: KANABE, MN 55007</p>		<p>RELEASED: 4/8/2024 BY: JRM</p>		<p>BRANIER PUBLIC UTILITIES BRAINER, MINNESOTA</p>		<p>SITE - GENERAL ARRANGEMENT ORTHOGRAPHIC</p>		<p>DATE: 1/24/24 DRAWN BY: JRM CHECKED BY: JRM DESIGNED BY: JRM PROJECT NO: 221010</p>	



BRAINERD HYDROELECTRIC PROJECT

FOR MORE INFORMATION,
PLEASE CONTACT:



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