minnesota power
AN ALLETE COMPANY

30 West Superior Street
Duluth, MN 55802-2093
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September 24, 2024

VIA E-FILING
Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101-2147

Re: In the Matter of Minnesota Power's
2024 Remaining Life Depreciation Petition
Docket No. E015/D-24-_____
INITIAL FILING

Dear Mr. Seuffert:

Minnesota Power respectfully submits its 2024 Remaining Life Depreciation Petition to the Minnesota Public Utilities Commission.

Please contact me at 218-355-3082 or cvatalaro@allete.com if you have any questions regarding this filing.

Yours truly,

Claire Vatalaro

Claire Vatalaro
Regulatory Compliance Specialist

CMRV:th
Attach.

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

In the Matter of Minnesota Power's 2024 Remaining Life Depreciation Petition	Docket No. E015/D-24-___ **MINNESOTA POWER'S INITIAL FILING**

SUMMARY

Pursuant to Minn. Stat. §§ 216B.08 and 216B.11, and Minn. Rules 7825.0600 and 7825.0700, Minnesota Power hereby petitions the Minnesota Public Utilities Commission ("Commission") for approval of its 2024 Remaining Life Depreciation Petition ("Petition"). This Petition establishes the 2024 remaining lives and salvage rates for all of Minnesota Power's production plant assets, along with general plant account 3900. The remaining lives and salvage rates will be used to determine depreciation expense for these assets effective January 1, 2024.

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

In the Matter of Minnesota Power's 2024 Remaining Life Depreciation Petition	Docket No. E015/D-24-___ **MINNESOTA POWER'S INITIAL FILING**

I. INTRODUCTION

Minnesota Power (or "the Company") hereby petitions the Minnesota Public Utilities Commission ("Commission") for approval of its 2024 Remaining Life Depreciation Petition ("Petition"). Minnesota Power is requesting that the remaining lives of all facilities be adjusted for one year's passage of time. Minnesota Power proposes all estimated salvage rates be adjusted for Taconite Harbor, Bison and Taconite Ridge wind facilities, and production plant assets impacted by the Legacy Coal Combustion Residuals ("CCR") regulations. The proposed changes result in an estimated increase to 2024 annual depreciation expense of $7,082,293 compared to 2023 rates and lives. The Company is currently evaluating cost recovery options and other rate mitigation ideas for the additional depreciation expense, including whether there are cost recovery options outside of a rate case.

II. PROCEDURAL REQUIREMENTS

Pursuant to Minn. Rules 7825.3200, 7825.3500 and 7829.1300, subp. 3, Minnesota Power provides the following required information.

A. <u>Name, Address and Telephone Number of Utility (Minn. Rules 7825.3500(A) and 7829.1300, subp. 3(A))</u>

Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 722-2641

B. Name, Address and Telephone Number of Utility Attorney (Minn. Rules 7825.3500(A) and 7829.1300, subp. 3(B))

Matthew Brodin
Senior Attorney
Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 355-3152
mbrodin@allete.com

C. Date of Filing and Date Proposed Rates Take Effect (Minn. Rules 7825.3500(B) and 7829.1300, subp. 3(C))

This Petition is being filed on September 24, 2024. Minnesota Power respectfully requests that the Commission approve the Petition, with depreciation rates effective as of January 1, 2024.

D. Statute Controlling Schedule for Processing the Filing (Minn. Rules 7829.1300, subp. 3(D))

This Petition is made in accordance with Minn. Stat. § 216B.11 and prior Commission orders. No statutorily imposed time frame for a Commission decision applies to this filing.

E. Utility Employee Responsible for Filing (Minn. Rules 7825.3500(E) and 7829.1300, subp. 3(E))

Brandi K. Winfield
Supervisor, Property Accounting
Minnesota Power
30 West Superior Street
Duluth, MN 55802
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F. Service List

Pursuant to Minn. Rules 7829.0700, Minnesota Power requests that the following persons be placed on the Commission's official service list for this matter:

Matthew Brodin Minnesota Power 30 West Superior Street Duluth, MN 55802 mbrodin@allete.com	Brandi K. Winfield Minnesota Power 30 West Superior Street Duluth, MN 55802 bwinfield@allete.com

G. Service on Other Parties

Pursuant to Minn. Stat. § 216.17, subd. 3 and Minn. Rules 7829.1300, subp. 2, Minnesota Power has eFiled this Petition with the Department of Commerce, Division of Energy Resources and served a copy on the Antitrust and Utilities Division of the Office of Attorney General. A summary of the filing prepared in accordance with Minn. Rules 7829.1300, subp. 1 is being served on all parties on Minnesota Power's general service list.

H. Summary of Filing

A one-paragraph summary accompanies this Petition pursuant to Minn. Rules 7829.1300, subp. 1.

III. REMAINING LIFE ADJUSTMENTS

Minnesota Power has reviewed its remaining lives and salvage value estimates for thermal, hydroelectric, wind, and solar production facilities. The Company has determined that the remaining lives of all facilities should be adjusted for one year's passage of time and proposes the estimated salvage rates be adjusted for Boswell Unit 3, Boswell Common, and Laskin Energy Center as they are impacted by the Legacy CCR regulations[1], Bison and Taconite Harbor to reflect updated decommissioning costs, and Taconite Harbor Energy Center to reflect updated costs while it is actively decommissioned.

On February 1, 2021, Minnesota Power filed its 2021 Integrated Resource Plan ("2021 Plan") for the years 2021 to 2035[2] in Docket No. E015/RP-21-33. The Commission order approving Minnesota Power's 2021 Plan and setting additional requirements was issued on January 9, 2023. For purposes of this Petition, Minnesota Power is utilizing the information and forecast periods provided in the approved 2021 Plan. Appendix C of the 2021 Plan specifically addresses Minnesota Power's fossil generation resources. Minnesota Power will file its next integrated resource plan by March 1, 2025.

[1] EPA rule 89 FR 38950. Additional decommissioning costs resulting from the EPA rule used in this petition to revise salvage rates are based on estimates and are subject to change.
[2] *In the Matter of Minnesota Power's 2021-2035 Integrated Resource Plan*, Docket No. E015/RP-21-33, filed February 1, 2021.

The following schedule indicates proposed remaining lives in number of years, proposed salvage rates, proposed end of lives, and 2021 Plan operational lives of the facilities used in the IRP EnCompass modeling.

	Proposed Remaining Lives (Years)	Proposed Salvage Rates	Proposed End of Lives	2021 IRP Operational Lives
Thermal Production Plants				
Hibbard Renewable Energy Center	6.0	(6.98%)	12/2029	2035
Laskin Energy Center	7.0	(34.11%)	12/2030	2035
Boswell Energy Center				
Unit 3	12.0	(16.72%)	12/2035	2035
Unit 4	12.0	(6.42%)	12/2035	2035
Common	12.0	(15.19%)	12/2035	2035
Taconite Harbor Energy Center	3.0	(18.65%)	12/2026	2021
Hydroelectric Production Plants				
Birch Lake Reservoir	40.0	0%	12/2063	2063
Blanchard HE Station	40.0	0%	12/2063	2063
Boulder Lake Reservoir	40.0	0%	12/2063	2063
Fish Lake Reservoir	40.0	0%	12/2063	2063
Fond du Lac HE Station	40.0	0%	12/2063	2063
Gauging Stations and White Iron Lake Reservoir	40.0	0%	12/2063	2063
Island Lake Reservoir	40.0	0%	12/2063	2063
Knife Falls HE Station	40.0	0%	12/2063	2063
Little Falls HE Station	40.0	0%	12/2063	2063
Pillager HE Station	40.0	0%	12/2063	2063
Prairie River HE Station	40.0	0%	12/2063	2063
Rice Lake Reservoir	40.0	0%	12/2063	2063
Scanlon HE Station	40.0	0%	12/2063	2063
Sylvan HE Station	40.0	0%	12/2063	2063
Thomson HE Station	40.0	0%	12/2063	2063
Whiteface Reservoir	40.0	0%	12/2063	2063
Winton HE Station	40.0	0%	12/2063	2063

	Proposed Remaining Lives (Years)	Proposed Salvage Rates	Proposed End of Lives	2021 IRP Operational Lives
Other Production Plants				
Taconite Ridge I Wind	19.4	(0.35%)	5/2043	2043
Bison 1A Wind	21.9	(0.65%)	11/2045	2045
Bison 1B Wind	23.0	(0.60%)	12/2046	2046
Bison 2 Wind	24.0	(0.37%)	12/2047	2047
Bison 3 Wind	24.0	(0.44%)	12/2047	2047
Bison 4 Wind	26.0	(0.20%)	12/2049	2049
Community Solar Garden	17.9	0%	11/2041	2041

Minnesota Power will continue to address the reconciliation between remaining lives and the latest approved integrated resource plan (currently the 2021 Plan) in a reasonable and timely manner. As reconciliation issues are addressed, Minnesota Power will review its remaining lives, making any adjustment based on the factors known at that time. The following is a discussion of the Company's production facilities and the proposed remaining lives of these facilities.

Regulated Thermal Production Facilities

Hibbard Renewable Energy Center ("HREC")

HREC Units 3 and 4, located at the M. L. Hibbard Facility, operate as peaking resources and have been providing a portion of Minnesota Power's spinning reserves since 2004. In 2021 and 2022, HREC was dispatched by MISO more frequently due to the higher power prices and procurement of competitive biomass, producing energy at the higher range of a typical peaking resource. The estimated remaining life of these units is through 2029 which is shorter than the estimated operational life used in the analysis for the 2021 Plan. Per the 2021 IRP order, a retirement study for Hibbard will be included in Minnesota Power's next Integrated Resource Plan to be filed by March 1, 2025, and the remaining life of these units will be adjusted, if needed, at that time.

Laskin Energy Center ("LEC")

LEC Units 1 and 2 are similar units in design and intended operation. LEC is treated as one unit and has one remaining life for purposes of computing annual depreciation accruals. Ongoing reinvestment has maintained the reliability of these units. Minnesota Power completed a conversion of LEC Units 1 and 2 to gas peaking units in June 2015. On June 20, 2016, the Minnesota Pollution Control Agency approved Minnesota Power's modified LEC ash cell closure plan. Laskin's ash ponds and coal pile have been closed and retired. In 2021 and 2022, LEC was dispatched by MISO more frequently to maintain local reliability due to localized transmission projects and associated outages. The estimated remaining life of LEC is through 2030 which is shorter than the estimated operational life used in the analysis for the 2021 Plan. In the 2021 Plan, LEC was modeled through the end of the study period since no retirement study was completed and no retirement date was identified at that time.

Taconite Harbor Energy Center ("THEC")

Minnesota Power treats THEC as one unit with one remaining life for purposes of computing annual depreciation accruals and proposes continuing to treat THEC in this manner. To protect affordability for customers in the near term and further reduce emissions in the region, Minnesota Power ceased coal operation for THEC Unit 3 in May 2015. Minnesota Power announced on July 9, 2015, the Company's plan to economically idle THEC Units 1 and 2 in the fall of 2016 and cease coal operations at THEC Units 1 and 2 in 2020.[3] During the idle period and up to retirement, Minnesota Power continued to maintain the THEC facility as safely and cost effectively as prudent for a site that is pending a retirement. Through 2020 the Company made THEC Units 1 and 2 available to MISO for resource adequacy through the annual Planning Resource Auction, but did not clear the MISO capacity auction. If the units were needed to operate per MISO's direction Minnesota Power was ready to do so. In the Company's previous rate case (Docket No. E-015/GR-21-335) the Commission authorized Minnesota Power to recover THEC's annual depreciation expense with a sunset provision ending December 31, 2026.

[3] Order Point 3 of the Commission's July 18, 2016 Order in Docket No. E015/RP-15-690 approved idling of Taconite Harbor Energy Center Units 1 and 2 in 2016 while retaining the ability to restart them to address reliability or emergency needs on the transmission system.

The retirement of THEC was approved in Minnesota Power's 2021 IRP. When Minnesota Power retired THEC in March 2023, the remaining balances were transferred to regulated assets and the regulated assets are being amortized through 2026.

Boswell Energy Center ("BEC")

BEC Units 1 and 2 ("BEC1&2") were retired in December 2018. In the Commission's January 14, 2019, Order in the matter of Minnesota Power's 2018 Remaining Life Depreciation Petition (Docket No. E-015/D-18-544), the Commission approved remaining lives of five years as of January 1, 2018, for BEC1&2, based on a retirement year of 2022. When Minnesota Power retired BEC1&2 in December 2018, the remaining balances were transferred to regulated assets and the regulated assets are being amortized through 2022. In the Company's previous rate case (Docket No. E-015/GR-21-335), Minnesota Power proposed, and the Commission approved the final year of amortization in 2022 be amortized over three years in the rate case test year to avoid over-collection in future rates.

In 2021, Minnesota Power transitioned BEC3 to economic dispatch and reduced the operational minimums from 175 MW to 75 MW creating significantly more flexibility for the unit in its daily operations. BEC3 operates with the most mature, commercially available technology to significantly reduce emissions of mercury and well-established control technologies that have the ability to meet Best Available Control Technology performance standards to significantly reduce NO_X, SO_2 and particulate matter. In the 2021 Plan, the Commission ordered Minnesota Power to cease coal operations at BEC3 by December 31, 2029 and to specifically evaluate converting BEC3 to a synchronous condenser upon retirement. The Company's next IRP will evaluate capacity and energy replacement options for BEC3 coal operations, including the re-use of valuable infrastructure at the plant such as interconnects and existing boiler and turbine.

BEC4 provides base load energy operating at a high load factor and is jointly owned by Minnesota Power (80 percent) and WPPI Energy (20 percent). BEC4 operates with NO_X emission reduction control systems including low NO_X burners and selective non-catalytic reduction, along with a high efficiency turbine rotor. Minnesota Power completed an environmental retrofit project on BEC4 in December 2015 as a multi-pollutant solution for reducing mercury, particulate matter, sulfur dioxide, and other hazardous air pollutants being addressed by EPA regulations while also reducing plant wastewater contemplated for regulation under EPA's Effluent Limit Guidelines. Minnesota Power installed a semi-dry flue gas desulfurization system, fabric filter and powder activated carbon injection system to achieve compliance with the Minnesota Mercury Emission Reduction Act ("MERA"), the EPA Mercury and Air Toxics Rule, and other enacted or pending federal and state environmental rulemakings regulating air and water emissions and solid byproducts from coal-fired power plants. Through multi-pollutant control technology, Minnesota Power is cost-effectively achieving the mercury emission reduction required by MERA while positioning the facility for compliance with other regulatory programs over the long term. In the 2021 Plan, the Commission ordered Minnesota Power to cease coal operations at BEC4 by December 31, 2035. The Company's next IRP will evaluate capacity and energy replacement options for BEC4 coal operations, including the re-use of valuable infrastructure at the plant such as interconnects and existing boiler and turbine.

The estimated remaining lives of BEC3, BEC4, and BEC Common are all 2035 and Minnesota Power requests that the remaining net plant balances of all the units be recovered over this current remaining life. These 2035 lives are equal to the estimated operational lives of these BEC facilities in the 2021 Plan.[4]

Hydroelectric Production Facilities

All of Minnesota Power's hydroelectric facilities hold FERC (Federal Energy Regulatory Commission) licenses and the facilities are being maintained in accordance with the terms of these licenses. As the state's largest producer of hydroelectric power, this legacy hydro system is a valuable asset for meeting customer needs and to meet the state's requirement of 100 percent carbon free by 2040. Furthermore, the Company's hydro fleet includes dispatchable renewables (i.e. ponding capability) which will be needed for a

[4] Order Point 1.a. of the Commission's May 29, 2018 revision to the March 12, 2018 Order in Docket No. E015/GR-16-664 ordered effective January 1, 2018, the approved depreciation accounting lives of Boswell 3, Boswell 4 and their common facilities shall be set to end in 2035. In addition, in the Commission's January 14, 2019 Order in the matter of Minnesota Power's 2018 Remaining Life Depreciation Petitions (Docket No. E-015/D-18-544), the Commission approved remaining lives of eighteen years as of January 1, 2018, for these facilities. This also sets the depreciation accounting lives of these facilities to end in 2035.

reliable power supply as the Company and state transitions to more intermittent renewables. The reservoirs, dams and gauging stations are expected to have a useful economic and operating life matching that of the hydro stations they support. All of the Company's hydroelectric production plant facilities have estimated remaining lives through 2063 which agrees with the estimated operational lives in the 2021 Plan.

Wind Production Facilities

Taconite Ridge I Wind Energy Center ("TREC"), a 25 MW wind production facility with ten turbines, was placed in-service in June 2008. In 2016 through 2021, pitch bearings, blades, hubs, power conditioning matrices, and gearbox bearings were replaced as needed on these turbines, which requalified all ten turbines for production tax credits by August 2021. TREC has an estimated remaining life through May 2043. Bison 1A, a 36.8 MW wind production facility with sixteen wind turbines, was placed in-service in November 2010 and has an estimated remaining life through November 2045. Bison 1B, a 45.0 MW wind production facility with fifteen wind turbines, was placed in-service in December 2011 and has an estimated remaining life through 2046. Bison 2 and 3, which are each 105 MW wind production facilities with thirty-five wind turbines, were placed in-service in December 2012 and have estimated remaining lives through 2047. Bison 4, a 204.8 MW wind production facility with sixty-four wind turbines, was placed in-service in December 2014 and has an estimated remaining life through 2049. The estimated remaining lives noted above of all production assets at these wind facilities agrees with the estimated operational lives in the 2021 Plan.

Solar Production Facility

The Community Solar Garden Pilot Program project consists of a 40 kW solar generation system on company-owned property in Duluth, Minnesota and was placed in-service in 2016. All production assets of the solar production facility have estimated remaining lives through November 2041 which agrees with the estimated operational life in the 2021 Plan.[5]

[5] Minnesota Power has $14,971,360 in Property Under a Capital Lease for Camp Ripley, a 10 MW utility scale solar project at the Camp Ripley Minnesota Army National Guard base and training facility near Little

General Plant Account 3900

Minnesota Power has also reviewed its remaining lives and salvage value estimates for general plant account 3900-Structures and Improvements. Minnesota Power is requesting that the remaining lives of all general plant account 3900-Structures and Improvements be adjusted for one year's passage of time and proposes no changes to salvage rates.

Location	Proposed Remaining Life (Years)	Proposed Salvage Rates	Proposed End of Life
General Office Building	27	0%	12/2050
Rowe Energy Control Center	27	0%	12/2050
Little Falls Service Center and DC Line Material Storage Facility	27	0%	12/2050
The long range plan for these facilities is significant planned future investment.			
Herbert Service Center	17	0%	12/2040
Eveleth Service Center	17	0%	12/2040
Sandstone Service Center	17	0%	12/2040
Pine River Service Center	17	0%	12/2040
Misc. Structures & Improvements	17	0%	12/2040
The long range plan for these facilities is continued operation and upgrades.			
International Falls Service Center	7	0%	12/2030
Cloquet Service Center	7	0%	12/2030
The long range plan for these facilities is minimal planned future investment.			
Coleraine Service Center	2	0%	12/2025

Appendices

Enclosed in Appendix A-1 through A-6, please find depreciation schedules as required by Commission filing requirements, Minn. Rules 7825.0700, subp. 1: Plant in Service, Analysis of Depreciation Reserve, and Summary of Annual Depreciation Accruals.

Appendix A-5 and A-6 are salvage rates and decommissioning costs schedules. Appendix B-1, B-2, and B-3 include the decommissioning estimates for Taconite Harbor Energy Center, Legacy CCR regulations, and Bison, respectively.

Falls, MN (Docket No. E-015/M-15-773). Minnesota Power has the option at the end of the financing term in 2027 to renew for a two-year term, or to purchase the solar array. Minnesota Power anticipates exercising the purchase option when the term expires in 2027.

IV. FUTURE ADDITIONS OR RETIREMENTS AFFECTING CURRENT CERTIFICATION

Minnesota Power does not have any major future additions or retirements to plant accounts that would materially impact the 2024 depreciation accruals. In the Company's previous rate case (Docket No. E-015/GR-21-335) the Commission authorized Minnesota Power to recover THEC's annual depreciation expense with a sunset provision ending December 31, 2026. The retirement of THEC was approved in Minnesota Power's 2021 IRP. When Minnesota Power retired THEC in March 2023, the remaining balances were transferred to regulated assets and the regulated assets are being amortized through 2026. In its 2021 Plan, the Commission ordered Minnesota Power to cease coal operations at BEC3 by December 31, 2029 and BEC4 by December 31, 2035. Currently the remaining lives of BEC3, BEC4, and BEC Common are all 2035 and Minnesota Power requests that the remaining net plant balances of all BEC units be recovered over this current remaining life.

V. CONCLUSION

Minnesota Power is requesting that the remaining lives of all facilities be adjusted for one year's passage of time. Minnesota Power proposes all estimated salvage rates be adjusted for Taconite Harbor, production plant assets impacted by the CCR Legacy regulation, and Bison and Taconite Harbor wind facilities. The proposed changes result in an estimated increase to 2024 annual depreciation expense of $7,082,293 compared to 2023 rates and lives. The company is currently evaluating cost recovery options and other rate mitigation ideas for the additional depreciation expense, including whether there are cost recovery options outside of a rate case.

Date: September 24, 2024

Respectfully submitted,

/s/ Brandi K. Winfield
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MINNESOTA POWER
PRODUCTION PLANT
COMPARISON OF PRESENT AND PROPOSED REMAINING LIVES
2024

	Depreciable Plant Balance 12/31/23	Depreciation Reserve 12/31/23	Current Rates: Remaining Life 1/1/2024	Current Rates: Salvage Value 1/1/2024	Current Rates: 2024 Annual Accrual*	Proposed Rates: Remaining Life 1/1/2024	Proposed Rates: Salvage Value 1/1/2024	Proposed Rates: Salvage Value 5/1/2024	Proposed Rates: 2024 Annual Accrual*	Effect of Rate Changes to 2023 Accrual
Steam Generation										
Boswell Energy Center										
Unit No. 1 - Regulated Assets*	43,835,769.30	46,845,820.21	-	(8.64)%	777,359	-	(8.64)%		777,359	-
Unit No. 2 - Regulated Assets*	39,585,261.22	42,809,437.55	-	(9.56)%	560,175	-	(9.56)%		560,175	-
1] Unit No. 3	484,684,218.94	269,960,847.56	12.0	(12.85)%	23,083,774	12.0	(12.85)%	(16.72)%	24,125,845	1,042,071
Unit No. 4	611,373,439.69	307,565,691.95	12.0	(6.42)%	28,588,160	12.0	(6.42)%		28,588,160	-
1] Common	246,396,983.11	137,235,256.76	12.0	(6.34)%	10,398,608	12.0	(6.34)%	(15.19)%	11,610,060	1,211,452
Subtotal Boswell Energy Center	1,425,875,672.26	804,417,054.03			63,408,076				65,661,599	2,253,523
Hibbard SE Station	96,834,398.07	75,599,945.73	6.0	(6.98)%	4,665,582	6.0	(6.98)%		4,665,582	-
1] Laskin Energy Center	75,055,387.32	55,930,310.08	7.0	(7.32)%	3,517,019	7.0	(7.32)%	(34.11)%	5,432,004	1,914,985
Taconite Harbor Energy Center										
2] Structure/Unit	136,028,289.60	119,924,703.87	3.0	(12.18)%	10,890,610	3.0	(18.65)%		13,824,287	2,933,677
Total Steam Generation	**1,733,793,747.25**	**1,055,872,013.71**			**82,481,287**				**89,583,472**	**7,102,185**
Total Steam Generation Less BEC 1&2, THEC - Regulated Assets	**1,514,344,427.13**	**846,292,052.08**			**70,253,143**				**74,421,651**	**4,168,508**
Wind Generation										
3] Bison Wind										
3] Bison 1A	74,299,798.75	25,545,855.21	21.9	(0.45)%	2,241,475	21.9	(0.65)%		2,248,260	6,785
3] Bison 1B	73,453,735.30	23,818,123.30	23.0	(0.43)%	2,171,803	23.0	(0.60)%		2,177,232	5,429
3] Bison 2	150,642,542.37	48,569,384.11	24.0	(0.41)%	4,278,783	24.0	(0.37)%		4,276,272	(2,511)
3] Bison 3	149,810,955.64	47,331,428.96	24.0	(0.51)%	4,301,815	24.0	(0.44)%		4,297,446	(4,369)
3] Bison 4	321,453,178.34	78,303,380.30	26.0	(0.39)%	9,400,133	26.0	(0.20)%		9,376,642	(23,491)
Subtotal Bison Wind	769,660,210.40	223,568,171.88			22,394,009				22,375,852	(18,157)
3] Taconite Ridge Energy Center	48,109,932.34	10,474,710.53	19.4	(0.42)%	1,950,375	19.4	(0.35)%		1,948,640	(1,735)
Total Wind Generation	**817,770,142.74**	**234,042,882.41**			**24,344,384**				**24,324,492**	**(19,892)**
Hydro Production Plants										
Birch Lake Reservoir	3,553,242.24	527,033.79	40.0	-	75,655	40.0	-		75,655	-
Blanchard HE Station	16,901,830.58	5,975,286.92	40.0	-	273,164	40.0	-		273,164	-
Boulder Lake Reservoir	1,499,112.29	387,834.84	40.0	-	27,782	40.0	-		27,782	-
Cloquet and St. Louis River Gauging Stations	125,450.86	72,874.37	40.0	-	1,314	40.0	-		1,314	-
Fish Lake Reservoir	1,381,857.09	393,358.87	40.0	-	24,712	40.0	-		24,712	-
Fond du Lac HE Station	19,647,988.13	5,818,183.84	40.0	-	345,745	40.0	-		345,745	-
Island Lake Reservoir	19,056,353.14	3,409,953.92	40.0	-	391,160	40.0	-		391,160	-
Knife Falls HE Station	4,502,732.07	2,204,896.00	40.0	-	57,446	40.0	-		57,446	-
Little Falls HE Station	13,633,027.76	5,321,297.22	40.0	-	207,793	40.0	-		207,793	-
Pillager HE Station	2,590,117.27	1,392,939.11	40.0	-	29,929	40.0	-		29,929	-
Prairie River HE Station	5,070,036.07	1,512,608.81	40.0	-	88,936	40.0	-		88,936	-
Rice Lake Reservoir	219,175.83	80,858.46	40.0	-	3,458	40.0	-		3,458	-
Scanlon HE Station	6,706,933.42	1,122,536.58	40.0	-	139,610	40.0	-		139,610	-
Sylvan HE Station	2,238,604.23	1,634,306.36	40.0	-	15,107	40.0	-		15,107	-
Thomson HE Station	113,114,414.71	19,695,480.81	40.0	-	2,335,473	40.0	-		2,335,473	-
White Iron Lake Reservoir	22,247.26	9,646.29	40.0	-	315	40.0	-		315	-
Whiteface Reservoir	3,113,466.80	420,350.86	40.0	-	67,328	40.0	-		67,328	-
Winton HE Station	8,039,758.66	3,089,856.31	40.0	-	123,748	40.0	-		123,748	-
Total Hydro Production Plants	**221,416,348.41**	**53,069,303.36**			**4,208,675**				**4,208,675**	**-**
Solar Production										
Community Solar Gardens	203,276.71	47,614.50	17.9	-	8,696	17.9	-		8,696	-
Total Solar	**203,276.71**	**47,614.50**			**8,696**				**8,696**	**-**
Total Generation	**2,773,183,515.11**	**1,343,031,813.98**			**111,043,042**				**118,125,335**	**7,082,293**
Structures & Improvements										
General Office Building	31,125,267.42	6,414,693.70	27.0	-	915,206	27.0	-		915,206	-
Herbert Service Center	14,683,780.67	7,295,747.93	17.0	-	434,590	17.0	-		434,590	-
Eveleth Service Center	7,119,402.25	4,119,121.20	17.0	-	176,487	17.0	-		176,487	-
Rowe Energy Control Center	6,557,297.05	2,714,225.69	27.0	-	142,336	27.0	-		142,336	-
Little Falls Service Center & DC Line Material Storage Facility	5,387,741.32	2,915,573.35	27.0	-	91,562	27.0	-		91,562	-
Cloquet Service Center	2,375,410.37	1,381,666.83	7.0	-	141,963	7.0	-		141,963	-
Park Rapids Service Center	1,939,330.44	1,920,386.84	-	-	-	-	-		-	-
Coleraine Service Center	1,817,457.56	1,566,011.10	2.0	-	125,723	2.0	-		125,723	-
Sandstone Service Center	1,886,431.32	930,553.89	17.0	-	56,228	17.0	-		56,228	-
Pine River Service Center	2,003,774.79	908,422.90	17.0	-	64,432	17.0	-		64,432	-
International Falls Service Center	1,297,035.31	796,769.04	7.0	-	71,467	7.0	-		71,467	-
Miscellaneous	17,726,195.48	5,247,186.81	17.0	-	734,059	17.0	-		734,059	-
Total Structures & Improvements	**93,919,123.98**	**36,210,359.28**		-	**2,954,053**				**2,954,053**	**-**
Grand Total Generation and Structures & Improvements	**2,867,102,639.09**	**1,379,242,173.26**			**113,997,095**				**121,079,388**	**7,082,293**

*** In Minnesota Power's rate case (Docket No. E-015/GR-21-335) the Company proposed and the Commission approved Boswell Energy Center Units 1 and 2 final year of amortization in 2022, be amortized over three years (2022-2024) in the rate case test year to avoid over-collection in future rates.**

1] BEC 3, BEC Common, and Laskin changes due to CCR Legacy regulations approved May 2024. Salvage rate changes which are effective May 2024 are based on estimated costs and are subject to change.

2] THEC change due to updated decommissioning costs as activities progress.

3] Wind change due to updated decommissioning study

Minnesota Power: Plant In Service

202301 - 202312

Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
Boswell Common							
3100 Land & Land Rights, Fee	4,283,159.14	-	-	-	-	4,283,159.14	
3110 Structure & Improvements	24,914,561.84	958,803.58	(36,822.69)	-	-	25,836,542.73	
3111 Structure & Improvements, Pollution	41,839,322.95	663,122.72	-	-	-	42,502,445.67	
3120 Boiler Plant Equipment	56,443,263.78	2,018,082.82	(1,220,855.91)	-	-	57,240,490.69	
3121 Boiler Plant Equipment, Pollution	97,813,315.30	2,573,669.35	-	-	-	100,386,984.65	
3140 Turbogenerator Units	1,203,422.13	35,228.75	-	-	-	1,238,650.88	
3141 Turbogenerator Units, Pollution	302,917.11	-	-	-	-	302,917.11	
3150 Accessory Elec Equipment	12,352,622.41	487,369.88	(592,884.96)	-	-	12,247,107.33	
3151 Accessory Elec Equipment, Pollution	2,377,904.13	-	-	-	-	2,377,904.13	
3160 Misc Power Plt Eq	4,511,289.20	-	(247,483.04)	-	-	4,263,806.16	
3161 Misc Power Plt Eq, Pollution	133.76	-	-	-	-	133.76	
	246,041,911.75	**6,736,277.10**	**(2,098,046.60)**	**-**	**-**	**250,680,142.25**	**246,396,983.11**
Boswell Unit 1*							
3100 Land & Land Rights, Fee	-	-	-	-	-	-	
3110 Structure & Improvements	2,557,832.80	-	-	-	-	2,557,832.80	
3111 Structure & Improvements, Pollution	30,296.70	-	-	-	-	30,296.70	
3120 Boiler Plant Equipment	13,995,544.49	-	-	-	-	13,995,544.49	
3121 Boiler Plant Equipment, Pollution	12,550,600.52	-	-	-	-	12,550,600.52	
3140 Turbogenerator Units	8,329,877.36	-	-	-	-	8,329,877.36	
3141 Turbogenerator Units, Pollution	208,191.50	-	-	-	-	208,191.50	
3150 Accessory Elec Equipment	5,926,659.08	-	-	-	-	5,926,659.08	
3151 Accessory Elec Equipment, Pollution	236,766.85	-	-	-	-	236,766.85	
3160 Misc Power Plt Eq	-	-	-	-	-	-	
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	
	43,835,769.30	**-**	**-**	**-**	**-**	**43,835,769.30**	**43,835,769.30**
Boswell Unit 2*							
3100 Land & Land Rights, Fee	-	-	-	-	-	-	
3110 Structure & Improvements	1,671,305.14	-	-	-	-	1,671,305.14	
3111 Structure & Improvements, Pollution	-	-	-	-	-	-	
3120 Boiler Plant Equipment	13,035,789.98	-	-	-	-	13,035,789.98	
3121 Boiler Plant Equipment, Pollution	12,749,470.66	-	-	-	-	12,749,470.66	
3140 Turbogenerator Units	8,776,763.58	-	-	-	-	8,776,763.58	
3141 Turbogenerator Units, Pollution	53,247.44	-	-	-	-	53,247.44	
3150 Accessory Elec Equipment	3,298,684.42	-	-	-	-	3,298,684.42	
3151 Accessory Elec Equipment, Pollution	-	-	-	-	-	-	
3160 Misc Power Plt Eq	-	-	-	-	-	-	
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	
	39,585,261.22	**-**	**-**	**-**	**-**	**39,585,261.22**	**39,585,261.22**
Boswell Unit 3							
3100 Land & Land Rights, Fee	3,104,623.53	-	-	-	-	3,104,623.53	
3110 Structure & Improvements	21,239,945.91	2,884.66	-	-	-	21,242,830.57	
3111 Structure & Improvements, Pollution	19,558,786.06	81,606.82	-	-	-	19,640,392.88	
3120 Boiler Plant Equipment	103,059,367.68	1,510,749.21	-	-	-	104,570,116.89	
3121 Boiler Plant Equipment, Pollution	253,125,300.13	3,211,656.95	-	-	-	256,336,957.08	
3140 Turbogenerator Units	34,729,286.39	318,667.93	-	-	-	35,047,954.32	
3141 Turbogenerator Units, Pollution	8,436,499.09	(81,255.78)	-	-	-	8,355,243.31	
3150 Accessory Elec Equipment	36,179,310.82	85,034.76	(48,815.10)	-	-	36,215,530.48	
3151 Accessory Elec Equipment, Pollution	2,713,253.32	-	-	-	-	2,713,253.32	
3160 Misc Power Plt Eq	561,940.09	-	-	-	-	561,940.09	
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	
	482,708,313.02	**5,129,344.55**	**(48,815.10)**	**-**	**-**	**487,788,842.47**	**484,684,218.94**
Boswell Unit 4							
3100 Land & Land Rights, Fee	2,583,971.28	-	-	-	-	2,583,971.28	

Minnesota Power: Plant In Service
202301 - 202312

Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3110 Structure & Improvements	39,087,635.04	81,424.09	-	-	-	39,169,059.13	
3111 Structure & Improvements, Pollution	31,831,680.11	24,020.87	-	-	-	31,855,700.98	
3120 Boiler Plant Equipment	136,408,631.52	7,126,231.22	(1,234,941.66)	-	-	142,299,921.08	
3121 Boiler Plant Equipment, Pollution	267,649,187.16	1,677,159.06	(1,050,407.08)	-	-	268,275,939.14	
3140 Turbogenerator Units	58,373,525.64	436,800.37	(422,564.19)	-	-	58,387,761.82	
3141 Turbogenerator Units, Pollution	16,069,289.71	1,654,924.01	(265,057.14)	-	-	17,459,156.58	
3150 Accessory Elec Equipment	39,886,350.04	184,665.48	-	-	-	40,071,015.52	
3151 Accessory Elec Equipment, Pollution	12,431,691.01	-	-	-	-	12,431,691.01	
3160 Misc Power Plt Eq	994,089.12	-	-	-	-	994,089.12	
3161 Misc Power Plt Eq, Pollution	429,105.31	-	-	-	-	429,105.31	
	605,745,155.94	**11,185,225.10**	**(2,972,970.07)**	**-**	**-**	**613,957,410.97**	**611,373,439.69**
Hibbard Renewable Energy Center							
3100 Land & Land Rights, Fee	30,716.52	-	-	-	-	30,716.52	
3110 Structure & Improvements	5,512,834.77	-	-	-	-	5,512,834.77	
3111 Structure & Improvements, Pollution	227,445.71	-	-	-	-	227,445.71	
3120 Boiler Plant Equipment	56,961,721.45	2,146,428.79	(280,479.53)	-	646,980.92	59,474,651.63	
3121 Boiler Plant Equipment, Pollution	15,187,014.11	-	-	-	-	15,187,014.11	
3140 Turbogenerator Units	10,222,088.20	355,779.86	(49,074.42)	-	-	10,528,793.64	
3141 Turbogenerator Units, Pollution	-	-	-	-	-	-	
3150 Accessory Elec Equipment	4,753,901.65	-	-	-	-	4,753,901.65	
3151 Accessory Elec Equipment, Pollution	-	-	-	-	-	-	
3160 Misc Power Plt Eq	1,149,756.56	-	-	-	-	1,149,756.56	
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	
	94,045,478.97	**2,502,208.65**	**(329,553.95)**	**-**	**646,980.92**	**96,865,114.59**	**96,834,398.07**
Laskin							
3100 Land & Land Rights, Fee	253,164.48	-	-	-	-	253,164.48	
3110 Structure & Improvements	6,310,114.53	-	-	-	-	6,310,114.53	
3111 Structure & Improvements, Pollution	4,755,003.86	-	-	-	-	4,755,003.86	
3120 Boiler Plant Equipment	38,098,890.00	43,944.65	-	-	-	38,142,834.65	
3121 Boiler Plant Equipment, Pollution	8,129,374.84	136,047.14	(64,459.44)	-	-	8,200,962.54	
3140 Turbogenerator Units	11,001,101.97	504,176.93	(405,448.35)	-	-	11,099,830.55	
3141 Turbogenerator Units, Pollution	119,200.85	-	-	-	-	119,200.85	
3150 Accessory Elec Equipment	4,888,367.86	-	-	-	-	4,888,367.86	
3151 Accessory Elec Equipment, Pollution	529,155.42	-	-	-	-	529,155.42	
3160 Misc Power Plt Eq	974,603.26	-	-	-	17,278.78	991,882.04	
3161 Misc Power Plt Eq, Pollution	18,035.02	-	-	-	-	18,035.02	
	75,077,012.09	**684,168.72**	**(469,907.79)**	**-**	**17,278.78**	**75,308,551.80**	**75,055,387.32**
Taconite Harbor							
3100 Land & Land Rights, Fee	143,350.45	-	-	-	-	143,350.45	
3110 Structure & Improvements	11,420,017.70	-	-	-	-	11,420,017.70	
3111 Structure & Improvements, Pollution	5,237,249.34	-	-	-	-	5,237,249.34	
3120 Boiler Plant Equipment	30,582,452.69	-	-	-	(646,980.92)	29,935,471.77	
3121 Boiler Plant Equipment, Pollution	60,300,980.66	-	-	-	-	60,300,980.66	
3140 Turbogenerator Units	12,653,730.37	-	-	-	-	12,653,730.37	
3141 Turbogenerator Units, Pollution	438,677.56	-	-	-	-	438,677.56	
3150 Accessory Elec Equipment	10,753,456.96	-	-	-	-	10,753,456.96	
3151 Accessory Elec Equipment, Pollution	4,225,162.79	-	-	-	-	4,225,162.79	
3160 Misc Power Plt Eq	1,080,821.23	-	-	-	(17,278.78)	1,063,542.45	
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	
	136,835,899.75	**-**	**-**	**-**	**(664,259.70)**	**136,171,640.05**	**136,028,289.60**
Steam Summary							
3100 Land & Land Rights, Fee	10,398,985.40	-	-	-	-	10,398,985.40	
3110 Structure & Improvements	112,714,247.73	1,043,112.33	(36,822.69)	-	-	113,720,537.37	
3111 Structure & Improvements, Pollution	103,479,784.73	768,750.41	-	-	-	104,248,535.14	
3120 Boiler Plant Equipment	448,585,661.59	12,845,436.69	(2,736,277.10)	-	-	458,694,821.18	

Minnesota Power: Plant In Service

202301 - 202312

Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3121 Boiler Plant Equipment, Pollution	727,505,243.38	7,598,532.50	(1,114,866.52)	-	-	733,988,909.36	
3140 Turbogenerator Units	145,289,795.64	1,650,653.84	(877,086.96)	-	-	146,063,362.52	
3141 Turbogenerator Units, Pollution	25,628,023.26	1,573,668.23	(265,057.14)	-	-	26,936,634.35	
3150 Accessory Elec Equipment	118,039,353.24	757,070.12	(641,700.06)	-	-	118,154,723.30	
3151 Accessory Elec Equipment, Pollution	22,513,933.52	-	-	-	-	22,513,933.52	
3160 Misc Power Plt Eq	9,272,499.46	-	(247,483.04)	-	-	9,025,016.42	
3161 Misc Power Plt Eq, Pollution	447,274.09	-	-	-	-	447,274.09	
Total Steam	**1,723,874,802.04**	**26,237,224.12**	**(5,919,293.51)**	**-**	**-**	**1,744,192,732.65**	**1,733,793,747.25**
BIRCH LAKE RESERVOIR - PROJECT 469							
3300 Land & Land Rights, Fee	1,556.25	-	-	-	-	1,556.25	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	232.79	-	-	-	-	232.79	
3307 Land & Land Rights-Recr, Easem	381.50	-	-	-	-	381.50	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	14,922.38	-	-	-	-	14,922.38	
3320 Reservoirs, Dams & Waterways	3,517,396.19	-	-	-	-	3,517,396.19	
3322 Reservoirs, Dams & Water, Recr	1,176.00	-	-	-	-	1,176.00	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	19,747.67	-	-	-	-	19,747.67	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	3,555,412.78	**-**	**-**	**-**	**-**	**3,555,412.78**	**3,553,242.24**
BLANCHARD HE STATION - PROJECT 346							
3300 Land & Land Rights, Fee	56,631.61	-	-	-	-	56,631.61	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	2,018.12	-	-	-	-	2,018.12	
3305 Land & Land Rights, Easements	75,807.00	-	-	-	-	75,807.00	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	2,973,932.46	2,881,996.52	(30,000.00)	-	-	5,825,928.98	
3312 Structure & Improvements, Recr	83,759.38	-	-	-	-	83,759.38	
3320 Reservoirs, Dams & Waterways	4,663,964.46	32,308.99	-	-	-	4,696,273.45	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	4,066,370.35	-	-	-	-	4,066,370.35	
3340 Accessory Electric Equipment	2,023,870.58	-	-	-	-	2,023,870.58	
3350 Miscellaneous Power Plant Equi	205,627.84	-	-	-	-	205,627.84	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	14,151,981.80	**2,914,305.51**	**(30,000.00)**	**-**	**-**	**17,036,287.31**	**16,901,830.58**
BOULDER LAKE RESERVOIR - PROJECT 23							
3300 Land & Land Rights, Fee	82,749.91	-	-	-	-	82,749.91	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	130.73	-	-	-	-	130.73	
3305 Land & Land Rights, Easements	3,682.00	-	-	-	-	3,682.00	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	3,142.11	-	-	-	-	3,142.11	
3312 Structure & Improvements, Recr	290,715.46	-	-	-	-	290,715.46	
3320 Reservoirs, Dams & Waterways	1,170,871.06	-	-	-	-	1,170,871.06	
3322 Reservoirs, Dams & Water, Recr	1,745.39	-	-	-	-	1,745.39	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	20,039.76	-	-	-	-	20,039.76	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	12,598.51	-	-	-	-	12,598.51	
	1,585,674.93	**-**	**-**	**-**	**-**	**1,585,674.93**	**1,499,112.29**
CLOQUET AND ST LOUIS RVR GAG'G STA							

Minnesota Power: Plant In Service
202301 - 202312

Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3300 Land & Land Rights, Fee	2,068.21	-	-	-	-	2,068.21	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	-	-	-	-	-	-	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	-	-	-	-	-	-	
3320 Reservoirs, Dams & Waterways	69,586.38	-	-	-	-	69,586.38	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	55,864.48	-	-	-	-	55,864.48	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	127,519.07	**-**	**-**	**-**	**-**	**127,519.07**	**125,450.86**
FISH LAKE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	43,130.20	-	(210.56)	-	-	42,919.64	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	86.24	-	-	-	-	86.24	
3305 Land & Land Rights, Easements	19,193.38	-	-	-	-	19,193.38	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	43,537.22	-	-	-	-	43,537.22	
3320 Reservoirs, Dams & Waterways	1,317,177.19	-	-	-	-	1,317,177.19	
3322 Reservoirs, Dams & Water, Recr	2,278.05	-	-	-	-	2,278.05	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	18,864.63	-	-	-	-	18,864.63	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	1,444,266.91	**-**	**(210.56)**	**-**	**-**	**1,444,056.35**	**1,381,857.09**
FOND DU LAC HE STA PROJECT 2360							
3300 Land & Land Rights, Fee	874,753.53	-	-	-	-	874,753.53	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	-	-	-	-	-	-	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	819,257.74	-	-	-	-	819,257.74	
3312 Structure & Improvements, Recr	24,973.68	-	-	-	-	24,973.68	
3320 Reservoirs, Dams & Waterways	11,299,264.06	27,422.10	(18,722.12)	-	-	11,307,964.04	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	5,586,766.73	-	-	-	-	5,586,766.73	
3340 Accessory Electric Equipment	1,465,907.51	-	-	-	-	1,465,907.51	
3350 Miscellaneous Power Plant Equi	133,635.37	-	-	-	-	133,635.37	
3360 Roads, Railroads And Bridges	309,483.06	-	-	-	-	309,483.06	
	20,514,041.68	**27,422.10**	**(18,722.12)**	**-**	**-**	**20,522,741.66**	**19,647,988.13**
ISLAND LAKE RESERVOIR - PROJECT 236							
3300 Land & Land Rights, Fee	243,084.23	-	(8,467.66)	-	-	234,616.57	
3301 Land & Land Rights-Fish, Fee	588.76	-	-	-	-	588.76	
3302 Land & Land Rights-Recr, Fee	1,831.33	-	-	-	-	1,831.33	
3305 Land & Land Rights, Easements	70,314.04	-	-	-	-	70,314.04	
3307 Land & Land Rights-Recr, Easem	500.00	-	-	-	-	500.00	
3310 Structure & Improvements	102,799.27	-	-	-	-	102,799.27	
3312 Structure & Improvements, Recr	1,143,383.67	-	(6,384.78)	-	-	1,136,998.89	
3320 Reservoirs, Dams & Waterways	17,760,230.71	-	-	-	-	17,760,230.71	
3322 Reservoirs, Dams & Water, Recr	5,448.42	-	-	-	-	5,448.42	

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Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	-	-	-	-	-	-	
3350 Miscellaneous Power Plant Equi	47,879.44	-	-	-	-	47,879.44	
3360 Roads, Railroads And Bridges	2,996.41	-	-	-	-	2,996.41	
	19,379,056.28	**-**	**(14,852.44)**	**-**	**-**	**19,364,203.84**	**19,056,353.14**
KNIFE FALLS HE STATION - PROJECT 23							
3300 Land & Land Rights, Fee	3,779.70	-	-	-	-	3,779.70	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	34,453.54	-	-	-	-	34,453.54	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	938,712.18	-	-	-	-	938,712.18	
3312 Structure & Improvements, Recr	2,759.52	-	-	-	-	2,759.52	
3320 Reservoirs, Dams & Waterways	2,297,421.95	-	-	-	-	2,297,421.95	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	290,616.45	-	-	-	-	290,616.45	
3340 Accessory Electric Equipment	903,730.37	-	-	-	-	903,730.37	
3350 Miscellaneous Power Plant Equi	69,034.30	-	-	-	-	69,034.30	
3360 Roads, Railroads And Bridges	457.30	-	-	-	-	457.30	
	4,540,965.31	**-**	**-**	**-**	**-**	**4,540,965.31**	**4,502,732.07**
LITTLE FALLS HE STATION - PROJECT 2							
3300 Land & Land Rights, Fee	182,693.08	-	-	-	-	182,693.08	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	21,429.84	-	-	-	-	21,429.84	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	1,451,221.93	-	-	-	-	1,451,221.93	
3312 Structure & Improvements, Recr	6,042.41	-	-	-	-	6,042.41	
3320 Reservoirs, Dams & Waterways	7,019,312.72	-	-	-	-	7,019,312.72	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	3,272,720.36	54,234.94	(29,222.06)	-	-	3,297,733.24	
3340 Accessory Electric Equipment	1,588,165.23	-	-	-	-	1,588,165.23	
3350 Miscellaneous Power Plant Equi	270,552.23	-	-	-	-	270,552.23	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	13,812,137.80	**54,234.94**	**(29,222.06)**	**-**	**-**	**13,837,150.68**	**13,633,027.76**
MISC OPERATING LANDS - KAWISHIWI RI							
3300 Land & Land Rights, Fee	64,603.84	-	-	-	-	64,603.84	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	503,338.43	-	-	-	-	503,338.43	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	-	-	-	-	-	-	
3320 Reservoirs, Dams & Waterways	-	-	-	-	-	-	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	-	-	-	-	-	-	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	567,942.27	**-**	**-**	**-**	**-**	**567,942.27**	**-**
PILLAGER HE STATION - PROJECT 2663							
3300 Land & Land Rights, Fee	61,067.17	-	-	-	-	61,067.17	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	

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Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3305 Land & Land Rights, Easements	68,003.91	-	-	-	-	68,003.91	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	142,890.95	-	-	-	-	142,890.95	
3312 Structure & Improvements, Recr	12,789.11	-	-	-	-	12,789.11	
3320 Reservoirs, Dams & Waterways	1,957,286.13	2,160.62	-	-	-	1,959,446.75	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	194,360.89	-	-	-	-	194,360.89	
3340 Accessory Electric Equipment	266,171.82	-	-	-	-	266,171.82	
3350 Miscellaneous Power Plant Equi	12,960.27	-	-	-	-	12,960.27	
3360 Roads, Railroads And Bridges	1,497.48	-	-	-	-	1,497.48	
	2,717,027.73	**2,160.62**	**-**	**-**	**-**	**2,719,188.35**	**2,590,117.27**
PRAIRIE RIVER HE STATION - MINOR PR							
3300 Land & Land Rights, Fee	1,031.76	-	-	-	-	1,031.76	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	-	-	-	-	-	-	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	1,851,254.92	-	-	-	-	1,851,254.92	
3312 Structure & Improvements, Recr	6,098.46	-	-	-	-	6,098.46	
3320 Reservoirs, Dams & Waterways	993,835.97	405,376.49	-	-	-	1,399,212.46	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	862,581.73	-	-	-	-	862,581.73	
3340 Accessory Electric Equipment	891,463.10	-	-	-	-	891,463.10	
3350 Miscellaneous Power Plant Equi	59,425.40	-	-	-	-	59,425.40	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	4,665,691.34	**405,376.49**	**-**	**-**	**-**	**5,071,067.83**	**5,070,036.07**
RICE LAKE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	13,319.62	-	-	-	-	13,319.62	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	6,359.61	-	-	-	-	6,359.61	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	28,927.23	-	-	-	-	28,927.23	
3320 Reservoirs, Dams & Waterways	171,979.48	-	-	-	-	171,979.48	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	18,269.12	-	-	-	-	18,269.12	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	238,855.06	**-**	**-**	**-**	**-**	**238,855.06**	**219,175.83**
SCANLON HE STATION - PROJECT 2360							
3300 Land & Land Rights, Fee	16,283.77	-	-	-	-	16,283.77	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	500.00	-	-	-	-	500.00	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	195,862.82	-	-	-	-	195,862.82	
3312 Structure & Improvements, Recr	100,152.33	-	-	-	-	100,152.33	
3320 Reservoirs, Dams & Waterways	2,519,184.98	2,721,533.45	(18,559.20)	-	-	5,222,159.23	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	297,643.43	-	-	-	-	297,643.43	
3340 Accessory Electric Equipment	836,394.80	-	-	-	-	836,394.80	
3350 Miscellaneous Power Plant Equi	37,548.82	-	-	-	-	37,548.82	

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Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3360 Roads, Railroads And Bridges	17,171.99	-	-	-	-	17,171.99	
	4,020,742.94	**2,721,533.45**	**(18,559.20)**	**-**	**-**	**6,723,717.19**	**6,706,933.42**
SYLVAN HE STATION - PROJECT NO 2454							
3300 Land & Land Rights, Fee	103,210.35	-	-	-	-	103,210.35	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	17,118.86	-	-	-	-	17,118.86	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	299,936.18	-	-	-	-	299,936.18	
3312 Structure & Improvements, Recr	36,001.73	-	-	-	-	36,001.73	
3320 Reservoirs, Dams & Waterways	1,481,483.13	-	-	-	-	1,481,483.13	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	222,259.37	-	-	-	-	222,259.37	
3340 Accessory Electric Equipment	177,557.69	-	-	-	-	177,557.69	
3350 Miscellaneous Power Plant Equi	19,391.61	-	-	-	-	19,391.61	
3360 Roads, Railroads And Bridges	1,974.52	-	-	-	-	1,974.52	
	2,358,933.44	**-**	**-**	**-**	**-**	**2,358,933.44**	**2,238,604.23**
THOMSON HE STATION - PROJECT 2360							
3300 Land & Land Rights, Fee	332,449.65	-	-	-	-	332,449.65	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	394.59	-	-	-	-	394.59	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	8,367,764.54	-	-	-	-	8,367,764.54	
3312 Structure & Improvements, Recr	52,627.95	-	-	-	-	52,627.95	
3320 Reservoirs, Dams & Waterways	75,032,036.61	303,973.01	(77,912.04)	-	-	75,258,097.58	
3322 Reservoirs, Dams & Water, Recr	305.38	-	-	-	-	305.38	
3330 Water Wheels, Turbines & Gen	17,416,482.94	730,902.12	(92,380.82)	-	-	18,055,004.24	
3340 Accessory Electric Equipment	10,460,816.82	-	-	-	-	10,460,816.82	
3350 Miscellaneous Power Plant Equi	860,312.85	-	(30,605.01)	-	-	829,707.84	
3360 Roads, Railroads And Bridges	90,090.36	-	-	-	-	90,090.36	
	112,613,281.69	**1,034,875.13**	**(200,897.87)**	**-**	**-**	**113,447,258.95**	**113,114,414.71**
WHITE IRON LAKE RESERVOIR - PROJECT							
3300 Land & Land Rights, Fee	-	-	-	-	-	-	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	349.88	-	-	-	-	349.88	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	
3312 Structure & Improvements, Recr	-	-	-	-	-	-	
3320 Reservoirs, Dams & Waterways	6,141.88	-	-	-	-	6,141.88	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	16,105.38	-	-	-	-	16,105.38	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	22,597.14	**-**	**-**	**-**	**-**	**22,597.14**	**22,247.26**
WHITEFACE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	42,068.43	-	(789.90)	-	-	41,278.53	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	
3305 Land & Land Rights, Easements	94,923.20	-	-	-	-	94,923.20	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	-	-	-	-	-	-	

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Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3312 Structure & Improvements, Recr	34,312.69	-	-	-	-	34,312.69	
3320 Reservoirs, Dams & Waterways	3,064,707.26	-	-	-	-	3,064,707.26	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	
3340 Accessory Electric Equipment	14,446.85	-	-	-	-	14,446.85	
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	3,250,458.43	**-**	**(789.90)**	**-**	**-**	**3,249,668.53**	**3,113,466.80**
WINTON HE STATION - PROJECT 469							
3300 Land & Land Rights, Fee	106,603.64	-	-	-	-	106,603.64	
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	
3302 Land & Land Rights-Recr, Fee	1,797.73	-	-	-	-	1,797.73	
3305 Land & Land Rights, Easements	210,170.75	-	-	-	-	210,170.75	
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	
3310 Structure & Improvements	483,747.14	-	-	-	-	483,747.14	
3312 Structure & Improvements, Recr	155,301.29	-	-	-	-	155,301.29	
3320 Reservoirs, Dams & Waterways	4,806,970.44	9,928.19	-	-	-	4,816,898.63	
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	
3330 Water Wheels, Turbines & Gen	539,240.51	-	-	-	-	539,240.51	
3340 Accessory Electric Equipment	1,961,841.96	-	-	-	-	1,961,841.96	
3350 Miscellaneous Power Plant Equi	82,729.13	-	-	-	-	82,729.13	
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	
	8,348,402.59	**9,928.19**	**-**	**-**	**-**	**8,358,330.78**	**8,039,758.66**
Hydro Summary							
3300 Land & Land Rights, Fee	2,231,084.95	-	-9,468.12	-	-	2,221,616.83	
3301 Land & Land Rights-Fish, Fee	588.76	-	-	-	-	588.76	
3302 Land & Land Rights-Recr, Fee	5,864.15	-	-	-	-	5,864.15	
3305 Land & Land Rights, Easements	1,126,271.82	-	-	-	-	1,126,271.82	
3307 Land & Land Rights-Recr, Easem	881.5	-	-	-	-	881.5	
3310 Structure & Improvements	17,630,522.24	2,881,996.52	-30,000.00	-	-	20,482,518.76	
3312 Structure & Improvements, Recr	2,036,304.51	-	-6,384.78	-	-	2,029,919.73	
3320 Reservoirs, Dams & Waterways	139,148,850.60	3,502,702.85	-115,193.36	-	-	142,536,360.09	
3322 Reservoirs, Dams & Water, Recr	10,953.24	-	-	-	-	10,953.24	
3330 Water Wheels, Turbines & Gen	32,749,042.76	785,137.06	-121,602.88	-	-	33,412,576.94	
3340 Accessory Electric Equipment	20,739,257.77	-	-	-	-	20,739,257.77	
3350 Miscellaneous Power Plant Equi	1,799,097.26	-	-30,605.01	-	-	1,768,492.25	
3360 Roads, Railroads And Bridges	436,269.63	-	-	-	-	436,269.63	
Total Hydro	**217,914,989.19**	**7,169,836.43**	**(313,254.15)**	**-**	**-**	**224,771,571.47**	**221,416,348.41**
Bison 1A Wind							
3400 Land and Land Rights	-	-	-	-	-	-	
3410 Structures and Improvements	7,471,983.68	-	-	-	-	7,471,983.68	
3440 Generators	66,008,815.81	124,472.72	(599,867.48)	-	-	65,533,421.05	
3450 Accessory Electric Equipment	652,477.19	-	-	-	-	652,477.19	
3460 Misc Power Plant Equipment	641,916.83	-	-	-	-	641,916.83	
	74,775,193.51	**124,472.72**	**(599,867.48)**	**-**	**-**	**74,299,798.75**	**74,299,798.75**
Bison 1B Wind							
3400 Land and Land Rights	380,982.94	-	-	-	-	380,982.94	
3410 Structures and Improvements	4,038,502.21	-	-	-	-	4,038,502.21	
3440 Generators	65,185,599.16	-	-	-	-	65,185,599.16	
3450 Accessory Electric Equipment	4,211,765.27	-	-	-	-	4,211,765.27	
3460 Misc Power Plant Equipment	17,868.66	-	-	-	-	17,868.66	
	73,834,718.24	**-**	**-**	**-**	**-**	**73,834,718.24**	**73,453,735.30**
Bison 2 Wind							
3400 Land and Land Rights	267,122.03	-	-	-	-	267,122.03	
3410 Structures and Improvements	9,664,236.74	-	-	-	-	9,664,236.74	

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Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3440 Generators	124,895,000.88	-	-	-	-	124,895,000.88	
3450 Accessory Electric Equipment	13,834,046.10	-	-	-	-	13,834,046.10	
3460 Misc Power Plant Equipment	2,249,258.65	-	-	-	-	2,249,258.65	
	150,909,664.40	**-**	**-**	**-**	**-**	**150,909,664.40**	**150,642,542.37**
Bison 3 Wind							
3400 Land and Land Rights	191,651.62	-	-	-	-	191,651.62	
3410 Structures and Improvements	9,231,530.40	-	-	-	-	9,231,530.40	
3440 Generators	125,717,473.03	-	-	-	-	125,717,473.03	
3450 Accessory Electric Equipment	14,861,952.21	-	-	-	-	14,861,952.21	
3460 Misc Power Plant Equipment	-	-	-	-	-	-	
	150,002,607.26	**-**	**-**	**-**	**-**	**150,002,607.26**	**149,810,955.64**
Bison 4 Wind							
3400 Land and Land Rights	642,169.90	-	-	-	-	642,169.90	
3410 Structures and Improvements	15,898,889.46	-	-	-	-	15,898,889.46	
3440 Generators	294,350,359.10	55,012.87	(4,135,363.47)	-	-	290,270,008.50	
3450 Accessory Electric Equipment	15,284,280.38	-	-	-	-	15,284,280.38	
3460 Misc Power Plant Equipment	-	-	-	-	-	-	
	326,175,698.84	**55,012.87**	**(4,135,363.47)**	**-**	**-**	**322,095,348.24**	**321,453,178.34**
Tac Ridge Wind							
3400 Land and Land Rights	-	-	-	-	-	-	
3410 Structures and Improvements	6,236,961.94	-	-	-	-	6,236,961.94	
3440 Generators	42,018,761.08	826,932.18	(1,861,963.44)	-	-	40,983,729.82	
3450 Accessory Electric Equipment	798,645.88	-	-	-	-	798,645.88	
3460 Misc Power Plant Equipment	222,150.96	-	(131,556.26)	-	-	90,594.70	
	49,276,519.86	**826,932.18**	**(1,993,519.70)**	**-**	**-**	**48,109,932.34**	**48,109,932.34**
Wind Summary							
3400 Land and Land Rights	1,481,926.49	-	-	-	-	1,481,926.49	
3410 Structures and Improvements	52,542,104.43	-	-	-	-	52,542,104.43	
3440 Generators	718,176,009.06	1,006,417.77	-6,597,194.39	-	-	712,585,232.44	
3450 Accessory Electric Equipment	49,643,167.03	-	-	-	-	49,643,167.03	
3460 Misc Power Plant Equipment	3,131,195.10	-	-131,556.26	-	-	2,999,638.84	
Total Wind	**824,974,402.11**	**1,006,417.77**	**(6,728,750.65)**	**-**	**-**	**819,252,069.23**	**817,770,142.74**
Community Solar Gardens							
3401 Land and Land Rights	-	-	-	-	-	-	
3406 Land Easements	-	-	-	-	-	-	
3415 Structures and Improvements	26,425.97	-	-	-	-	26,425.97	
3425 Fuel Holders, Prod, & Accessor	-	-	-	-	-	-	
3435 Prime Movers	-	-	-	-	-	-	
3445 Generators	176,850.74	-	-	-	-	176,850.74	
3455 Accessory Electric Equipment	-	-	-	-	-	-	
3465 Misc Power Plant Equipment	-	-	-	-	-	-	
	203,276.71	**-**	**-**	**-**	**-**	**203,276.71**	**203,276.71**
Solar Summary							
3401 Land and Land Rights	-	-	-	-	-	-	
3406 Land Easements	-	-	-	-	-	-	
3415 Structures and Improvements	26,425.97	-	-	-	-	26,425.97	
3425 Fuel Holders, Prod, & Accessor	-	-	-	-	-	-	
3435 Prime Movers	-	-	-	-	-	-	
3445 Generators	176,850.74	-	-	-	-	176,850.74	
3455 Accessory Electric Equipment	-	-	-	-	-	-	
3465 Misc Power Plant Equipment	-	-	-	-	-	-	
Total Solar	**203,276.71**	**-**	**-**	**-**	**-**	**203,276.71**	**203,276.71**
Total Generation	**2,766,967,470.05**	**34,413,478.32**	**(12,961,298.31)**	**-**	**-**	**2,788,419,650.06**	**2,773,183,515.11**
Structures & Improvements							
3900 General Office Building	26,706,805.94	4,839,926.71	(421,465.23)	-	-	31,125,267.42	
3900 Herbert Service Center	14,062,385.43	743,306.34	(121,911.10)	-	-	14,683,780.67	

Minnesota Power: Plant In Service

202301 - 202312

Utility Account	Beginning Balance	Additions	Retirements	Adjustments	Transfers	Ending Balance	Without Land
3900 Eveleth Service Center	7,131,678.31	19,598.75	(31,874.81)	-	-	7,119,402.25	
3900 Rowe Energy Control Center	6,432,690.90	138,595.63	(13,989.48)	-	-	6,557,297.05	
3900 Little Falls Service Center & DC Line Material Storage Facility	5,389,993.22	-	(2,251.90)	-	-	5,387,741.32	
3900 Cloquet Service Center	2,439,252.68	-	(63,842.31)	-	-	2,375,410.37	
3900 Park Rapids Service Center	1,938,206.33	35,027.13	(33,903.02)	-	-	1,939,330.44	
3900 Coleraine Service Center	1,817,457.56	-	-	-	-	1,817,457.56	
3900 Sandstone Service Center	1,886,112.25	22,774.86	(22,455.79)	-	-	1,886,431.32	
3900 Pine River Service Center	2,015,480.61	25,110.42	(36,816.24)	-	-	2,003,774.79	
3900 International Falls Service Center	1,302,603.20	-	(5,567.89)	-	-	1,297,035.31	
3900 Miscellaneous	17,973,255.06	(44,547.37)	(202,512.21)	-	-	17,726,195.48	
Total Structures & Improvements	**89,095,921.49**	**5,779,792.47**	**(956,589.98)**	**-**	**-**	**93,919,123.98**	**93,919,123.98**
Total Generation and Structures & Improvements	**2,856,063,391.54**	**40,193,270.79**	**(13,917,888.29)**	**-**	**-**	**2,882,338,774.04**	**2,867,102,639.09**

*** In Minnesota Power's most recent rate case (Docket No. E-015/GR-21-335) the Company proposed and the Commission approved Boswell Energy Center Units 1 and 2 final year of amortization in 2022, be amortized over three years (2022-2024) in the rate case test year to avoid over-collection in future rates.**

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
Boswell Common								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	16,736,674.14	796,218.37	(36,822.69)	(103,788.81)	-	-	-	17,392,281.01
3111 Structure & Improvements, Pollution	15,886,826.30	2,233,472.97	-	-	-	-	-	18,120,299.27
3120 Boiler Plant Equipment	34,992,585.61	1,953,812.85	(1,220,855.91)	(160,428.88)	130,000.00	-	-	35,695,113.67
3121 Boiler Plant Equipment, Pollution	46,746,842.91	4,539,831.10	-	-	-	-	-	51,286,674.01
3140 Turbogenerator Units	972,540.89	24,001.00	-	-	-	-	-	996,541.89
3141 Turbogenerator Units, Pollution	112,608.35	16,116.48	-	-	-	-	-	128,724.83
3150 Accessory Elec Equipment	8,636,350.96	347,767.40	(592,884.96)	-	-	-	-	8,391,233.40
3151 Accessory Elec Equipment, Pollution	2,125,777.52	30,991.26	-	-	-	-	-	2,156,768.78
3160 Misc Power Plt Eq	3,191,962.62	123,012.62	(247,483.04)	-	-	-	-	3,067,492.20
3161 Misc Power Plt Eq, Pollution	126.48	1.22	-	-	-	-	-	127.70
	129,402,295.78	**10,065,225.27**	**(2,098,046.60)**	**(264,217.69)**	**130,000.00**	**-**	**-**	**137,235,256.76**
Boswell Unit 1*								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	2,727,778.15	25,525.70	-	-	-	-	-	2,753,303.85
3111 Structure & Improvements, Pollution	32,997.73	(41.70)	-	-	-	-	-	32,956.03
3120 Boiler Plant Equipment	14,803,026.93	200,866.30	-	-	-	-	-	15,003,893.23
3121 Boiler Plant Equipment, Pollution	13,011,452.36	311,760.02	-	-	-	-	-	13,323,212.38
3140 Turbogenerator Units	8,857,299.36	96,139.70	-	-	-	-	-	8,953,439.06
3141 Turbogenerator Units, Pollution	217,373.70	4,402.77	-	-	-	-	-	221,776.47
3150 Accessory Elec Equipment	6,178,796.06	129,963.18	-	-	-	-	-	6,308,759.24
3151 Accessory Elec Equipment, Pollution	239,995.15	8,614.18	-	-	-	-	-	248,609.33
3160 Misc Power Plt Eq	(258.76)	129.38	-	-	-	-	-	(129.38)
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	-	-
	46,068,460.68	**777,359.53**	**-**	**-**	**-**	**-**	**-**	**46,845,820.21**
Boswell Unit 2*								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	1,831,320.16	(119.13)	-	-	-	-	-	1,831,201.03
3120 Boiler Plant Equipment	14,194,605.31	43,703.10	-	-	-	-	-	14,238,308.41
3121 Boiler Plant Equipment, Pollution	13,115,816.53	426,251.76	-	-	-	-	-	13,542,068.29
3140 Turbogenerator Units	9,434,919.34	90,451.42	-	-	-	-	-	9,525,370.76
3141 Turbogenerator Units, Pollution	58,679.97	(171.04)	-	-	-	-	-	58,508.93
3150 Accessory Elec Equipment	3,613,992.05	23.30	-	-	-	-	-	3,614,015.35
3160 Misc Power Plt Eq	(70.44)	35.22	-	-	-	-	-	(35.22)
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	-	-
	42,249,262.92	**560,174.63**	**-**	**-**	**-**	**-**	**-**	**42,809,437.55**
Boswell Unit 3								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	13,408,437.37	812,613.17	-	-	-	-	-	14,221,050.54
3111 Structure & Improvements, Pollution	11,495,825.68	813,876.40	-	-	-	-	-	12,309,702.08
3120 Boiler Plant Equipment	58,458,907.15	4,547,495.95	-	-	-	-	-	63,006,403.10
3121 Boiler Plant Equipment, Pollution	118,615,366.42	12,946,617.96	-	-	-	-	-	131,561,984.38
3140 Turbogenerator Units	20,276,794.04	1,480,585.54	-	-	-	-	-	21,757,379.58
3141 Turbogenerator Units, Pollution	3,240,209.53	491,463.52	-	-	-	-	-	3,731,673.05
3150 Accessory Elec Equipment	19,815,543.07	1,619,293.19	(48,815.10)	(7,833.80)	-	-	-	21,378,187.36
3151 Accessory Elec Equipment, Pollution	1,489,657.81	120,942.30	-	-	-	-	-	1,610,600.11
3160 Misc Power Plt Eq	363,010.52	20,856.84	-	-	-	-	-	383,867.36
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	-	-
	247,163,751.59	**22,853,744.87**	**(48,815.10)**	**(7,833.80)**	**-**	**-**	**-**	**269,960,847.56**
Boswell Unit 4								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	25,861,669.13	1,210,713.54	-	-	-	-	-	27,072,382.67
3111 Structure & Improvements, Pollution	16,424,326.99	1,342,468.72	-	-	-	-	-	17,766,795.71
3120 Boiler Plant Equipment	74,480,150.04	5,519,106.23	(1,234,941.66)	(1,020,951.01)	-	-	-	77,743,363.60
3121 Boiler Plant Equipment, Pollution	108,552,427.33	13,608,529.99	(1,050,407.08)	(651,997.64)	-	-	-	120,458,552.60

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3140 Turbogenerator Units	25,990,359.88	2,775,497.12	(422,564.19)	(210,694.95)	-	-	-	28,132,597.86
3141 Turbogenerator Units, Pollution	8,019,644.70	731,228.63	(265,057.14)	(194,376.90)	-	-	-	8,291,439.29
3150 Accessory Elec Equipment	17,076,677.48	1,966,098.13	-	-	-	-	-	19,042,775.61
3151 Accessory Elec Equipment, Pollution	7,581,684.90	434,470.80	-	-	-	-	-	8,016,155.70
3160 Misc Power Plt Eq	621,676.59	33,556.44	-	-	-	-	-	655,233.03
3161 Misc Power Plt Eq, Pollution	380,541.08	5,854.80	-	-	-	-	-	386,395.88
	284,989,158.12	**27,627,524.40**	**(2,972,970.07)**	**(2,078,020.50)**	**-**	**-**	**-**	**307,565,691.95**
Hibbard Renewable Energy Center								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	4,092,788.42	257,834.64	-	-	-	-	-	4,350,623.06
3111 Structure & Improvements, Pollution	116,169.10	18,164.56	-	-	-	-	-	134,333.66
3120 Boiler Plant Equipment	43,835,132.26	2,811,984.16	(280,479.53)	(452,731.74)	-	479,046.14	-	46,392,951.29
3121 Boiler Plant Equipment, Pollution	11,083,424.12	737,663.42	-	-	-	-	-	11,821,087.54
3140 Turbogenerator Units	8,177,194.15	458,721.59	(49,074.42)	(143,388.34)	-	-	-	8,443,452.98
3141 Turbogenerator Units, Pollution	-	-	-	-	-	-	-	-
3150 Accessory Elec Equipment	3,220,678.12	266,435.13	-	-	-	-	-	3,487,113.25
3151 Accessory Elec Equipment, Pollution	-	-	-	-	-	-	-	-
3160 Misc Power Plt Eq	927,113.09	43,270.86	-	-	-	-	-	970,383.95
3161 Misc Power Plt Eq, Pollution	-	-	-	-	-	-	-	-
	71,452,499.26	**4,594,074.36**	**(329,553.95)**	**(596,120.08)**	**-**	**479,046.14**	**-**	**75,599,945.73**
Laskin								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	5,947,654.58	103,045.08	-	-	-	-	-	6,050,699.66
3111 Structure & Improvements, Pollution	3,963,008.78	142,507.56	-	-	-	-	-	4,105,516.34
3120 Boiler Plant Equipment	29,648,915.02	1,407,248.27	-	-	-	-	-	31,056,163.29
3121 Boiler Plant Equipment, Pollution	(3,358,366.06)	1,524,700.16	(64,459.44)	(9,768.62)	-	-	-	(1,907,893.96)
3140 Turbogenerator Units	10,740,834.06	176,478.09	(405,448.35)	(109,348.14)	-	-	-	10,402,515.66
3141 Turbogenerator Units, Pollution	96,340.19	3,948.24	-	-	-	-	-	100,288.43
3150 Accessory Elec Equipment	4,402,907.80	105,411.12	-	-	-	-	-	4,508,318.92
3151 Accessory Elec Equipment, Pollution	570,466.82	(322.15)	-	-	-	-	-	570,144.67
3160 Misc Power Plt Eq	1,004,180.05	6,110.14	-	-	-	14,242.60	-	1,024,532.79
3161 Misc Power Plt Eq, Pollution	20,119.80	(95.52)	-	-	-	-	-	20,024.28
	53,036,061.04	**3,469,030.99**	**(469,907.79)**	**(119,116.76)**	**-**	**14,242.60**	**-**	**55,930,310.08**
Taconite Harbor								
3100 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3110 Structure & Improvements	9,656,078.43	788,724.36		-	-	-	-	10,444,802.79
3111 Structure & Improvements, Pollution	4,545,388.28	325,196.52		-	-	-	-	4,870,584.80
3120 Boiler Plant Equipment	23,681,860.35	2,623,714.73		-	-	(479,046.14)	-	25,826,528.94
3121 Boiler Plant Equipment, Pollution	48,968,052.98	4,341,394.56		-	-	-	-	53,309,447.54
3140 Turbogenerator Units	9,895,396.79	1,074,889.44		-	-	-	-	10,970,286.23
3141 Turbogenerator Units, Pollution	360,802.16	32,826.60		-	-	-	-	393,628.76
3150 Accessory Elec Equipment	8,356,819.22	926,602.20		-	-	-	-	9,283,421.42
3151 Accessory Elec Equipment, Pollution	3,525,544.22	303,560.88		-	-	-	-	3,829,105.10
3160 Misc Power Plt Eq	944,940.26	66,200.63		-	-	(14,242.60)	-	996,898.29
3161 Misc Power Plt Eq, Pollution	-	-		-	-	-	-	-
	109,934,882.69	**10,483,109.92**	**-**	**-**	**-**	**(493,288.74)**	**-**	**119,924,703.87**
Steam Summary								
3100 Land & Land Rights, Fee	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3110 Structure & Improvements	**80,262,400.38**	**3,994,555.73**	**(36,822.69)**	**(103,788.81)**	**-**	**-**	**-**	**84,116,344.61**
3111 Structure & Improvements, Pollution	**52,464,542.86**	**4,875,645.03**	**-**	**-**	**-**	**-**	**-**	**57,340,187.89**
3120 Boiler Plant Equipment	**294,095,182.67**	**19,107,931.59**	**(2,736,277.10)**	**(1,634,111.63)**	**130,000.00**	**-**	**-**	**308,962,725.53**
3121 Boiler Plant Equipment, Pollution	**356,735,016.59**	**38,436,748.97**	**(1,114,866.52)**	**(661,766.26)**	**-**	**-**	**-**	**393,395,132.78**
3140 Turbogenerator Units	**94,345,338.51**	**6,176,763.90**	**(877,086.96)**	**(463,431.43)**	**-**	**-**	**-**	**99,181,584.02**
3141 Turbogenerator Units, Pollution	**12,105,658.60**	**1,279,815.20**	**(265,057.14)**	**(194,376.90)**	**-**	**-**	**-**	**12,926,039.76**
3150 Accessory Elec Equipment	**71,301,764.76**	**5,361,593.65**	**(641,700.06)**	**(7,833.80)**	**-**	**-**	**-**	**76,013,824.55**
3151 Accessory Elec Equipment, Pollution	**15,533,126.42**	**898,257.27**	**-**	**-**	**-**	**-**	**-**	**16,431,383.69**

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3160 Misc Power Plt Eq	**7,052,553.93**	**293,172.13**	**(247,483.04)**	**-**	**-**	**-**	**-**	**7,098,243.02**
3161 Misc Power Plt Eq, Pollution	**400,787.36**	**5,760.50**	**-**	**-**	**-**	**-**	**-**	**406,547.86**
Total Steam	**984,296,372.08**	**80,430,243.97**	**(5,919,293.51)**	**(3,065,308.83)**	**130,000.00**	**-**	**-**	**1,055,872,013.71**
BIRCH LAKE RESERVOIR - PROJECT 469								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	8,064.51	167.28	-	-	-	-	-	8,231.79
3320 Reservoirs, Dams & Waterways	422,559.03	75,483.84	-	-	-	-	-	498,042.87
3322 Reservoirs, Dams & Water, Recr	1,176.00	-	-	-	-	-	-	1,176.00
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	19,579.05	4.08	-	-	-	-	-	19,583.13
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	451,378.59	**75,655.20**	**-**	**-**	**-**	**-**	**-**	**527,033.79**
BLANCHARD HE STATION - PROJECT 346								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	681,658.96	77,904.45	(30,000.00)	(526,521.84)	-	-	-	203,041.57
3312 Structure & Improvements, Recr	54,095.07	723.48	-	-	-	-	-	54,818.55
3320 Reservoirs, Dams & Waterways	1,763,082.45	71,074.61	-	-	-	-	-	1,834,157.06
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	2,357,830.83	41,671.68	-	-	-	-	-	2,399,502.51
3340 Accessory Electric Equipment	1,359,949.41	16,193.28	-	-	-	-	-	1,376,142.69
3350 Miscellaneous Power Plant Equi	105,174.50	2,450.04	-	-	-	-	-	107,624.54
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	6,321,791.22	**210,017.54**	**(30,000.00)**	**(526,521.84)**	**-**	**-**	**-**	**5,975,286.92**
BOULDER LAKE RESERVOIR - PROJECT 23								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	2,232.29	22.20	-	-	-	-	-	2,254.49
3312 Structure & Improvements, Recr	154,095.73	3,332.16	-	-	-	-	-	157,427.89
3320 Reservoirs, Dams & Waterways	182,508.52	24,106.44	-	-	-	-	-	206,614.96
3322 Reservoirs, Dams & Water, Recr	1,375.03	9.00	-	-	-	-	-	1,384.03
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	12,411.30	186.06	-	-	-	-	-	12,597.36
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	7,430.05	126.06	-	-	-	-	-	7,556.11
	360,052.92	**27,781.92**	**-**	**-**	**-**	**-**	**-**	**387,834.84**
CLOQUET AND ST LOUIS RVR GAG'G STA								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3312 Structure & Improvements, Recr	-	-	-	-	-	-	-	-
3320 Reservoirs, Dams & Waterways	40,563.61	707.88	-	-	-	-	-	41,271.49
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	30,996.34	606.54	-	-	-	-	-	31,602.88
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	71,559.95	**1,314.42**	**-**	**-**	**-**	**-**	**-**	**72,874.37**
FISH LAKE RESERVOIR - PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	(210.56)	(6,977.25)	1,076,152.41	-	(1,068,964.60)	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	13,443.74	734.04	-	-	-	-	-	14,177.78
3320 Reservoirs, Dams & Waterways	342,470.61	23,773.32	-	-	-	-	-	366,243.93
3322 Reservoirs, Dams & Water, Recr	1,724.17	13.56	-	-	-	-	-	1,737.73
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	11,007.79	191.64	-	-	-	-	-	11,199.43
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	368,646.31	**24,712.56**	**(210.56)**	**(6,977.25)**	**1,076,152.41**	**-**	**(1,068,964.60)**	**393,358.87**
FOND DU LAC HE STA PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	536,498.81	6,896.52	-	-	-	-	-	543,395.33
3312 Structure & Improvements, Recr	17,004.68	194.40	-	-	-	-	-	17,199.08
3320 Reservoirs, Dams & Waterways	3,611,237.24	188,198.18	(18,722.12)	(2,051.73)	-	-	-	3,778,661.57
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	726,267.58	118,548.78	-	-	-	-	-	844,816.36
3340 Accessory Electric Equipment	505,730.29	23,418.96	-	-	-	-	-	529,149.25
3350 Miscellaneous Power Plant Equi	37,997.95	2,332.62	-	-	-	-	-	40,330.57
3360 Roads, Railroads And Bridges	58,510.36	6,121.32	-	-	-	-	-	64,631.68
	5,493,246.91	**345,710.78**	**(18,722.12)**	**(2,051.73)**	**-**	**-**	**-**	**5,818,183.84**
ISLAND LAKE RESERVOIR - PROJECT 236								
3300 Land & Land Rights, Fee	-	-	(8,467.66)	(227,807.38)	20,362,766.86	-	(20,126,491.82)	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	26,820.90	1,853.16	-	-	-	-	-	28,674.06
3312 Structure & Improvements, Recr	373,018.30	18,798.57	(6,384.78)	(1,780.48)	-	-	-	383,651.61
3320 Reservoirs, Dams & Waterways	2,613,307.55	369,437.16	-	-	-	-	-	2,982,744.71
3322 Reservoirs, Dams & Water, Recr	4,310.22	27.72	-	-	-	-	-	4,337.94
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	-	-	-	-	-	-	-	-
3350 Miscellaneous Power Plant Equi	7,263.87	990.60	-	-	-	-	-	8,254.47
3360 Roads, Railroads And Bridges	2,273.49	17.64	-	-	-	-	-	2,291.13
	3,026,994.33	**391,124.85**	**(14,852.44)**	**(229,587.86)**	**20,362,766.86**	**-**	**(20,126,491.82)**	**3,409,953.92**
KNIFE FALLS HE STATION - PROJECT 23								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	232,354.98	17,228.28	-	-	-	-	-	249,583.26
3312 Structure & Improvements, Recr	2,098.05	16.08	-	-	-	-	-	2,114.13
3320 Reservoirs, Dams & Waterways	978,082.26	32,178.96	-	-	-	-	-	1,010,261.22
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	155,800.53	3,288.18	-	-	-	-	-	159,088.71
3340 Accessory Electric Equipment	758,200.57	3,549.54	-	-	-	-	-	761,750.11
3350 Miscellaneous Power Plant Equi	20,474.61	1,184.40	-	-	-	-	-	21,659.01
3360 Roads, Railroads And Bridges	439.08	0.48	-	-	-	-	-	439.56
	2,147,450.08	**57,445.92**	**-**	**-**	**-**	**-**	**-**	**2,204,896.00**
LITTLE FALLS HE STATION - PROJECT 2								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	732,365.50	17,533.14	-	-	-	-	-	749,898.64
3312 Structure & Improvements, Recr	4,365.33	40.92	-	-	-	-	-	4,406.25
3320 Reservoirs, Dams & Waterways	1,936,625.99	123,967.92	-	-	-	-	-	2,060,593.91
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	1,518,285.37	42,926.67	(29,222.06)	-	-	-	-	1,531,989.98
3340 Accessory Electric Equipment	781,063.21	19,685.40	-	-	-	-	-	800,748.61
3350 Miscellaneous Power Plant Equi	171,237.51	2,422.32	-	-	-	-	-	173,659.83
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	5,143,942.91	**206,576.37**	**(29,222.06)**	**-**	**-**	**-**	**-**	**5,321,297.22**
MISC OPERATING LANDS								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	-	-	-	-	-	-	-	-
3320 Reservoirs, Dams & Waterways	-	-	-	-	-	-	-	-
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	-	-	-	-	-	-	-	-
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	-	**-**	**-**	**-**	**-**	**-**	**-**	**-**
PILLAGER HE STATION - PROJECT 2663								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	82,208.87	1,479.96	-	-	-	-	-	83,688.83
3312 Structure & Improvements, Recr	9,594.89	77.88	-	-	-	-	-	9,672.77
3320 Reservoirs, Dams & Waterways	906,780.71	25,671.86	-	-	-	-	-	932,452.57
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	151,711.36	1,040.28	-	-	-	-	-	152,751.64
3340 Accessory Electric Equipment	198,598.67	1,648.08	-	-	-	-	-	200,246.75
3350 Miscellaneous Power Plant Equi	12,633.09	7.98	-	-	-	-	-	12,641.07
3360 Roads, Railroads And Bridges	1,485.18	0.30	-	-	-	-	-	1,485.48

Minnesota Power: Reserve Balance
202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
	1,363,012.77	**29,926.34**	**-**	**-**	**-**	**-**	**-**	**1,392,939.11**
PRAIRIE RIVER HE STATION - MINOR PR								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	625,357.40	29,899.92	-	-	-	-	-	655,257.32
3312 Structure & Improvements, Recr	5,044.13	25.68	-	-	-	-	-	5,069.81
3320 Reservoirs, Dams & Waterways	481,630.96	15,339.12	-	-	-	-	-	496,970.08
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	194,939.28	16,283.94	-	-	-	-	-	211,223.22
3340 Accessory Electric Equipment	116,104.21	18,911.22	-	-	-	-	-	135,015.43
3350 Miscellaneous Power Plant Equi	7,814.15	1,258.80	-	-	-	-	-	9,072.95
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	1,430,890.13	**81,718.68**	**-**	**-**	**-**	**-**	**-**	**1,512,608.81**
RICE LAKE RESERVOIR - PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	6,134.81	555.96	-	-	-	-	-	6,690.77
3320 Reservoirs, Dams & Waterways	60,603.89	2,716.44	-	-	-	-	-	63,320.33
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	10,661.84	185.52	-	-	-	-	-	10,847.36
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	77,400.54	**3,457.92**	**-**	**-**	**-**	**-**	**-**	**80,858.46**
SCANLON HE STATION - PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	120,280.24	1,843.56	-	-	-	-	-	122,123.80
3312 Structure & Improvements, Recr	52,954.81	1,151.16	-	-	-	-	-	54,105.97
3320 Reservoirs, Dams & Waterways	658,532.54	65,070.33	(18,559.20)	(648,261.51)	-	-	-	56,782.16
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	182,526.54	2,807.70	-	-	-	-	-	185,334.24
3340 Accessory Electric Equipment	670,541.62	4,045.18	-	-	-	-	-	674,586.80
3350 Miscellaneous Power Plant Equi	14,723.74	556.68	-	-	-	-	-	15,280.42
3360 Roads, Railroads And Bridges	14,251.97	71.22	-	-	-	-	-	14,323.19
	1,713,811.46	**75,545.83**	**(18,559.20)**	**(648,261.51)**	**-**	**-**	**-**	**1,122,536.58**
SYLVAN HE STATION - PROJECT NO 2454								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	188,103.40	2,727.60	-	-	-	-	-	190,831.00
3312 Structure & Improvements, Recr	27,044.09	218.52	-	-	-	-	-	27,262.61
3320 Reservoirs, Dams & Waterways	1,005,749.16	11,603.28	-	-	-	-	-	1,017,352.44
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3330 Water Wheels, Turbines & Gen	214,943.57	178.44	-	-	-	-	-	215,122.01
3340 Accessory Electric Equipment	164,961.05	307.20	-	-	-	-	-	165,268.25
3350 Miscellaneous Power Plant Equi	16,423.17	72.36	-	-	-	-	-	16,495.53
3360 Roads, Railroads And Bridges	1,974.52	-	-	-	-	-	-	1,974.52
	1,619,198.96	**15,107.40**	**-**	**-**	**-**	**-**	**-**	**1,634,306.36**
THOMSON HE STATION - PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	1,732,456.48	161,836.80	-	-	-	-	-	1,894,293.28
3312 Structure & Improvements, Recr	29,020.66	575.76	-	-	-	-	-	29,596.42
3320 Reservoirs, Dams & Waterways	8,727,044.17	1,621,488.06	(77,912.04)	(1,831.35)	-	-	-	10,268,788.84
3322 Reservoirs, Dams & Water, Recr	238.75	1.68	-	-	-	-	-	240.43
3330 Water Wheels, Turbines & Gen	5,653,296.26	288,879.65	(92,380.82)	(15,254.61)	-	-	-	5,834,540.48
3340 Accessory Electric Equipment	1,186,367.45	226,206.00	-	-	-	-	-	1,412,573.45
3350 Miscellaneous Power Plant Equi	241,101.21	15,102.72	(30,605.01)	-	-	-	-	225,598.92
3360 Roads, Railroads And Bridges	28,342.99	1,506.00	-	-	-	-	-	29,848.99
	17,597,867.97	**2,315,596.67**	**(200,897.87)**	**(17,085.96)**	**-**	**-**	**-**	**19,695,480.81**
WHITE IRON LAKE RESERVOIR - PROJECT								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	-	-	-	-	-	-	-	-
3320 Reservoirs, Dams & Waterways	3,425.28	66.24	-	-	-	-	-	3,491.52
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	5,906.01	248.76	-	-	-	-	-	6,154.77
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	9,331.29	**315.00**	**-**	**-**	**-**	**-**	**-**	**9,646.29**
WHITEFACE RESERVOIR - PROJECT 2360								
3300 Land & Land Rights, Fee	-	-	(789.90)	(17,863.71)	1,501,341.01	-	(1,482,687.40)	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-
3310 Structure & Improvements	-	-	-	-	-	-	-	-
3312 Structure & Improvements, Recr	26,029.72	202.08	-	-	-	-	-	26,231.80
3320 Reservoirs, Dams & Waterways	320,116.48	66,941.28	-	-	-	-	-	387,057.76
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	-	-	-	-	-	-	-	-
3340 Accessory Electric Equipment	6,876.68	184.62	-	-	-	-	-	7,061.30
3350 Miscellaneous Power Plant Equi	-	-	-	-	-	-	-	-
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	353,022.88	**67,327.98**	**(789.90)**	**(17,863.71)**	**1,501,341.01**	**-**	**(1,482,687.40)**	**420,350.86**
WINTON HE STATION - PROJECT 469								
3300 Land & Land Rights, Fee	-	-	-	-	-	-	-	-
3301 Land & Land Rights-Fish, Fee	-	-	-	-	-	-	-	-
3302 Land & Land Rights-Recr, Fee	-	-	-	-	-	-	-	-
3305 Land & Land Rights, Easements	-	-	-	-	-	-	-	-
3307 Land & Land Rights-Recr, Easem	-	-	-	-	-	-	-	-

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3310 Structure & Improvements	342,026.83	3,456.48	-	-	-	-	-	345,483.31
3312 Structure & Improvements, Recr	84,173.68	1,734.84	-	-	-	-	-	85,908.52
3320 Reservoirs, Dams & Waterways	1,303,598.76	85,660.55	-	-	-	-	-	1,389,259.31
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	-	-	-	-
3330 Water Wheels, Turbines & Gen	310,041.90	5,590.20	-	-	-	-	-	315,632.10
3340 Accessory Electric Equipment	781,840.94	28,780.50	-	-	-	-	-	810,621.44
3350 Miscellaneous Power Plant Equi	144,457.21	(1,505.58)	-	-	-	-	-	142,951.63
3360 Roads, Railroads And Bridges	-	-	-	-	-	-	-	-
	2,966,139.32	**123,716.99**	**-**	**-**	**-**	**-**	**-**	**3,089,856.31**
Hydro Summary								
3300 Land & Land Rights, Fee	**-**	**-**	**(9,468.12)**	**(252,648.34)**	**22,940,260.28**	**-**	**(22,678,143.82)**	**-**
3301 Land & Land Rights-Fish, Fee	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3302 Land & Land Rights-Recr, Fee	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3305 Land & Land Rights, Easements	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3307 Land & Land Rights-Recr, Easem	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3310 Structure & Improvements	**5,302,364.66**	**322,682.07**	**(30,000.00)**	**(526,521.84)**	**-**	**-**	**-**	**5,068,524.89**
3312 Structure & Improvements, Recr	**866,182.20**	**28,548.81**	**(6,384.78)**	**(1,780.48)**	**-**	**-**	**-**	**886,565.75**
3320 Reservoirs, Dams & Waterways	**25,357,919.21**	**2,803,485.47**	**(115,193.36)**	**(652,144.59)**	**-**	**-**	**-**	**27,394,066.73**
3322 Reservoirs, Dams & Water, Recr	**8,824.17**	**51.96**	**-**	**-**	**-**	**-**	**-**	**8,876.13**
3330 Water Wheels, Turbines & Gen	**11,465,643.22**	**521,215.52**	**(121,602.88)**	**(15,254.61)**	**-**	**-**	**-**	**11,850,001.25**
3340 Accessory Electric Equipment	**6,620,796.43**	**344,352.58**	**-**	**-**	**-**	**-**	**-**	**6,965,149.01**
3350 Miscellaneous Power Plant Equi	**779,301.01**	**24,872.94**	**(30,605.01)**	**-**	**-**	**-**	**-**	**773,568.94**
3360 Roads, Railroads And Bridges	**114,707.64**	**7,843.02**	**-**	**-**	**-**	**-**	**-**	**122,550.66**
Total Hydro	**50,515,738.54**	**4,053,052.37**	**(313,254.15)**	**(1,448,349.86)**	**22,940,260.28**	**-**	**(22,678,143.82)**	**53,069,303.36**
Bison 1A Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	2,360,928.92	224,495.04	-	-	-	-	-	2,585,423.96
3440 Generators	21,381,495.02	1,970,229.60	(599,867.48)	(210,967.43)	-	-	-	22,540,889.71
3450 Accessory Electric Equipment	164,588.12	20,461.81	-	-	-	22,024.37	-	207,074.30
3460 Misc Power Plant Equipment	198,029.17	19,398.36	-	-	-	(4,960.29)	-	212,467.24
	24,105,041.23	**2,234,584.81**	**(599,867.48)**	**(210,967.43)**	**-**	**17,064.08**	**-**	**25,545,855.21**
Bison 1B Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	1,168,673.55	120,299.76	-	-	-	-	-	1,288,973.31
3440 Generators	19,258,799.18	1,925,295.72	-	-	-	-	-	21,184,094.90
3450 Accessory Electric Equipment	1,213,482.49	125,682.96	-	-	-	-	-	1,339,165.45
3460 Misc Power Plant Equipment	5,365.48	524.16	-	-	-	-	-	5,889.64
	21,646,320.70	**2,171,802.60**	**-**	**-**	**-**	**-**	**-**	**23,818,123.30**
Bison 2 Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	3,088,764.39	264,603.84	-	-	-	-	-	3,353,368.23
3440 Generators	36,553,579.79	3,554,139.60	-	-	-	-	-	40,107,719.39
3450 Accessory Electric Equipment	4,090,362.37	392,016.12	-	-	-	-	-	4,482,378.49
3460 Misc Power Plant Equipment	557,894.56	68,023.44	-	-	-	-	-	625,918.00
	44,290,601.11	**4,278,783.00**	**-**	**-**	**-**	**-**	**-**	**48,569,384.11**
Bison 3 Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	2,703,852.16	262,990.32	-	-	-	-	-	2,966,842.48
3440 Generators	36,092,039.64	3,610,663.80	-	-	-	-	-	39,702,703.44
3450 Accessory Electric Equipment	4,233,721.96	428,161.08	-	-	-	-	-	4,661,883.04
3460 Misc Power Plant Equipment	-	-	-	-	-	-	-	-
	43,029,613.76	**4,301,815.20**	**-**	**-**	**-**	**-**	**-**	**47,331,428.96**
Bison 4 Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	3,435,964.81	463,886.31	-	-	-	-	-	3,899,851.12

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
3440 Generators	68,173,152.82	8,423,913.52	(4,135,363.47)	(1,788,242.13)	-	-	-	70,673,460.74
3450 Accessory Electric Equipment	3,283,382.96	446,685.48	-	-	-	-	-	3,730,068.44
3460 Misc Power Plant Equipment	-	-	-	-	-	-	-	-
	74,892,500.59	**9,334,485.31**	**(4,135,363.47)**	**(1,788,242.13)**	**-**	**-**	**-**	**78,303,380.30**
Tac Ridge Wind								
3400 Land and Land Rights	-	-	-	-	-	-	-	-
3410 Structures and Improvements	2,095,390.72	204,135.48	-	-	-	-	-	2,299,526.20
3440 Generators	8,470,521.48	1,679,749.98	(1,861,963.44)	(397,836.24)	-	-	-	7,890,471.78
3450 Accessory Electric Equipment	342,235.98	23,591.82	-	-	-	(22,024.37)	-	343,803.43
3460 Misc Power Plant Equipment	68,798.04	8,044.84	(131,556.26)	(9,337.79)	-	4,960.29	-	(59,090.88)
	10,976,946.22	**1,915,522.12**	**(1,993,519.70)**	**(407,174.03)**	**-**	**(17,064.08)**	**-**	**10,474,710.53**
Wind Summary								
3400 Land and Land Rights	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3410 Structures and Improvements	**14,853,574.55**	**1,540,410.75**	**-**	**-**	**-**	**-**	**-**	**16,393,985.30**
3440 Generators	**189,929,587.93**	**21,163,992.22**	**(6,597,194.39)**	**(2,397,045.80)**	**-**	**-**	**-**	**202,099,339.96**
3450 Accessory Electric Equipment	**13,327,773.88**	**1,436,599.27**	**-**	**-**	**-**	**-**	**-**	**14,764,373.15**
3460 Misc Power Plant Equipment	**830,087.25**	**95,990.80**	**(131,556.26)**	**(9,337.79)**	**-**	**-**	**-**	**785,184.00**
Total Wind	**218,941,023.61**	**24,236,993.04**	**(6,728,750.65)**	**(2,406,383.59)**	**-**	**-**	**-**	**234,042,882.41**
Community Solar Gardens								
3401 Land and Land Rights	-	-	-	-	-	-	-	-
3406 Land Easements	-	-	-	-	-	-	-	-
3415 Structures and Improvements	8,530.84	945.96	-	-	-	-	-	9,476.80
3425 Fuel Holders, Prod, & Accessor	-	-	-	-	-	-	-	-
3435 Prime Movers	-	-	-	-	-	-	-	-
3445 Generators	30,395.54	7,742.16	-	-	-	-	-	38,137.70
3455 Accessory Electric Equipment	-	-	-	-	-	-	-	-
3465 Misc Power Plant Equipment	-	-	-	-	-	-	-	-
	38,926.38	**8,688.12**	**-**	**-**	**-**	**-**	**-**	**47,614.50**
Solar Summary								
3401 Land and Land Rights	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3406 Land Easements	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3415 Structures and Improvements	**8,530.84**	**945.96**	**-**	**-**	**-**	**-**	**-**	**9,476.80**
3425 Fuel Holders, Prod, & Accessor	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3435 Prime Movers	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3445 Generators	**30,395.54**	**7,742.16**	**-**	**-**	**-**	**-**	**-**	**38,137.70**
3455 Accessory Electric Equipment	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3465 Misc Power Plant Equipment	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total Solar	**38,926.38**	**8,688.12**	**-**	**-**	**-**	**-**	**-**	**47,614.50**
Total Generation	**1,253,792,060.61**	**108,728,977.50**	**(12,961,298.31)**	**(6,920,042.28)**	**23,070,260.28**	**-**	**(22,678,143.82)**	**1,343,031,813.98**
Structures & Improvements								
3900 General Office Building	6,107,772.71	745,563.45	(421,465.23)	(17,177.23)	-	-	-	6,414,693.70
3900 Herbert Service Center	7,443,261.22	317,802.47	(121,911.10)	(20,212.69)	-	(323,191.97)	-	7,295,747.93
3900 Eveleth Service Center	3,973,474.46	174,106.43	(31,874.81)	(794.06)	-	4,209.18	-	4,119,121.20
3900 Rowe Energy Control Center	2,439,637.74	139,711.59	(13,989.48)	(2,450.24)	-	151,316.08	-	2,714,225.69
3900 Little Falls Service Center & DC Line Material Storage I	2,822,805.21	91,589.41	(2,251.90)	(199.58)	-	3,630.21	-	2,915,573.35
3900 Cloquet Service Center	1,424,819.22	127,069.76	(63,842.31)	(110,017.84)	-	3,638.00	-	1,381,666.83
3900 Park Rapids Service Center	1,934,080.38	19,083.17	(33,903.02)	(139.57)	-	1,265.88	-	1,920,386.84
3900 Coleraine Service Center	1,438,999.53	125,802.88	-	-	-	1,208.69	-	1,566,011.10
3900 Sandstone Service Center	897,028.31	53,884.24	(22,455.79)	(144.06)	-	2,241.19	-	930,553.89
3900 Pine River Service Center	883,516.45	62,246.48	(36,816.24)	(2,091.39)	-	1,567.60	-	908,422.90
3900 Crosby Service Center	-	-	-	-	-	-	-	-
3900 International Falls Service Center	727,347.85	71,506.34	(5,567.89)	(143.07)	-	3,625.81	-	796,769.04
3900 Miscellaneous	4,506,228.49	811,574.38	(202,512.21)	(18,593.18)	-	150,489.33	-	5,247,186.81

Minnesota Power: Reserve Balance

202301 - 202312

Utility Account	Beginning Balance	Provision	Retirements	Cost of Removal	Salvage	Transfers & Adjustments	Gain / Loss **	Ending Balance
Total Structures & Improvements	34,598,971.57	2,739,940.60	(956,589.98)	(171,962.91)	-	-	-	36,210,359.28
Total Generation and Structures & Improvements	1,288,391,032.18	111,468,918.10	(13,917,888.29)	(7,092,005.19)	23,070,260.28	-	(22,678,143.82)	1,379,242,173.26

* In Minnesota Power's most recent rate case (Docket No. E-015/GR-21-335) the Company proposed and the Commission approved Boswell Energy Center Units 1 and 2 final year of amortization in 2022, be amortized over three years (2022-2024) in the rate case test year to avoid over-collection in future rates.

** All of the gains reflected here are going to a regulated liability account 25400.0260 and will be returned to customers in either a future rate case or future rider filing.

Full Year 2022	To be spread over 3 yrs		
76,577.10	25,525.70		
(125.10)	(41.70)		
602,598.90	200,866.30		
935,280.06	311,760.02		
288,419.10	96,139.70		
13,208.32	4,402.77		
389,889.54	129,963.18		
25,842.54	8,614.18	2022	777,359.53
388.14	129.38	2023	777,359.53
-	-	2024	777,359.54
2,332,078.60	**777,359.53**		2,332,078.60
-	-		
(357.38)	(119.13)		
131,109.29	43,703.10		
1,278,755.29	426,251.76		
271,354.26	90,451.42		
(513.11)	(171.04)		
69.90	23.30	2022	560,174.63
105.66	35.22	2023	560,174.63
-	-	2024	560,174.65
1,680,523.91	**560,174.63**		1,680,523.91

Minnesota Power: Depreciation Expense
202301 - 202312

ALL FORMULAS EXCEPT LIFE AND SALVAGE RATE COLUMNS

Facility and Plant Account	Beginning Plant Balance	Ending Plant Balance	Average Plant Balances	Beginning Reserve	2023 Remaining Life	2023 Salvage Rates	2023 Provision
Boswell Common							
3100 Land & Land Rights, Fee	4,283,159.14	4,283,159.14	4,283,159.14	-			-
3110 Structure & Improvements	24,914,561.84	25,836,542.73	25,375,552.29	16,736,674.14	13.0	(6.34)%	796,218.37
3111 Structure & Improvements, Pollution	41,839,322.95	42,502,445.67	42,170,884.31	15,886,826.30	13.0	(6.34)%	2,233,472.97
3120 Boiler Plant Equipment	56,443,263.78	57,240,490.69	56,841,877.24	34,992,585.61	13.0	(6.34)%	1,953,812.85
3121 Boiler Plant Equipment, Pollution	97,813,315.30	100,386,984.65	99,100,149.98	46,746,842.91	13.0	(6.34)%	4,539,831.10
3140 Turbogenerator Units	1,203,422.13	1,238,650.88	1,221,036.51	972,540.89	13.0	(6.34)%	24,001.00
3141 Turbogenerator Units, Pollution	302,917.11	302,917.11	302,917.11	112,608.35	13.0	(6.34)%	16,116.48
3150 Accessory Elec Equipment	12,352,622.41	12,247,107.33	12,299,864.87	8,636,350.96	13.0	(6.34)%	347,767.40
3151 Accessory Elec Equipment, Pollution	2,377,904.13	2,377,904.13	2,377,904.13	2,125,777.52	13.0	(6.34)%	30,991.26
3160 Misc Power Pit Eq	4,511,289.20	4,263,806.16	4,387,547.68	3,191,962.62	13.0	(6.34)%	123,012.62
3161 Misc Power Pit Eq, Pollution	133.76	133.76	133.76	126.48	13.0	(6.34)%	1.22
	246,041,911.75	**250,680,142.25**	**248,361,027.02**	**129,402,295.78**			**10,065,225.27**
Boswell Unit 1*							
3100 Land & Land Rights, Fee	-	-	-	-			-
3110 Structure & Improvements	2,557,832.80	2,557,832.80	2,557,832.80	2,727,778.15	0.0	(8.64)%	25,525.70
3111 Structure & Improvements, Pollution	30,296.70	30,296.70	30,296.70	32,997.73	0.0	(8.64)%	(41.70)
3120 Boiler Plant Equipment	13,995,544.49	13,995,544.49	13,995,544.49	14,803,026.93	0.0	(8.64)%	200,866.30
3121 Boiler Plant Equipment, Pollution	12,550,600.52	12,550,600.52	12,550,600.52	13,011,452.36	0.0	(8.64)%	311,760.02
3140 Turbogenerator Units	8,329,877.36	8,329,877.36	8,329,877.36	8,857,299.36	0.0	(8.64)%	96,139.70
3141 Turbogenerator Units, Pollution	208,191.50	208,191.50	208,191.50	217,373.70	0.0	(8.64)%	4,402.77
3150 Accessory Elec Equipment	5,926,659.08	5,926,659.08	5,926,659.08	6,178,796.06	0.0	(8.64)%	129,963.18
3151 Accessory Elec Equipment, Pollution	236,766.85	236,766.85	236,766.85	239,995.15	0.0	(8.64)%	8,614.18
3160 Misc Power Pit Eq	-	-	-	(258.76)	0.0		129.38
3161 Misc Power Pit Eq, Pollution	-	-	-	-	0.0		-
	43,835,769.30	**43,835,769.30**	**43,835,769.30**	**46,068,460.68**			**777,359.53**
Boswell Unit 2*							
3100 Land & Land Rights, Fee	-	-	-	-			-
3110 Structure & Improvements	1,671,305.14	1,671,305.14	1,671,305.14	1,831,320.16	0.0	(9.56)%	(119.13)
3120 Boiler Plant Equipment	13,035,789.98	13,035,789.98	13,035,789.98	14,194,605.31	0.0	(9.56)%	43,703.10
3121 Boiler Plant Equipment, Pollution	12,749,470.66	12,749,470.66	12,749,470.66	13,115,816.53	0.0	(9.56)%	426,251.76
3140 Turbogenerator Units	8,776,763.58	8,776,763.58	8,776,763.58	9,434,919.34	0.0	(9.56)%	90,451.42
3141 Turbogenerator Units, Pollution	53,247.44	53,247.44	53,247.44	58,679.97	0.0	(9.56)%	(171.04)
3150 Accessory Elec Equipment	3,298,684.42	3,298,684.42	3,298,684.42	3,613,992.05	0.0		23.30
3160 Misc Power Pit Eq	-	-	-	(70.44)	0.0		35.22
3161 Misc Power Pit Eq, Pollution	-	-	-	-	0.0		-
	39,585,261.22	**39,585,261.22**	**39,585,261.22**	**42,249,262.92**			**560,174.63**
Boswell Unit 3							
3100 Land & Land Rights, Fee	3,104,623.53	3,104,623.53	3,104,623.53	-			-
3110 Structure & Improvements	21,239,945.91	21,242,830.57	21,241,388.24	13,408,437.37	13.0	(12.85)%	812,613.17
3111 Structure & Improvements, Pollution	19,558,786.06	19,640,392.88	19,599,589.47	11,495,825.68	13.0	(12.85)%	813,876.40
3120 Boiler Plant Equipment	103,059,367.68	104,570,116.89	103,814,742.29	58,458,907.15	13.0	(12.85)%	4,547,495.95
3121 Boiler Plant Equipment, Pollution	253,125,300.13	256,336,957.08	254,731,128.61	118,615,366.42	13.0	(12.85)%	12,946,617.96
3140 Turbogenerator Units	34,729,286.39	35,047,954.32	34,888,620.36	20,276,794.04	13.0	(12.85)%	1,480,585.54
3141 Turbogenerator Units, Pollution	8,436,499.09	8,355,243.31	8,395,871.20	3,240,209.53	13.0	(12.85)%	491,463.52
3150 Accessory Elec Equipment	36,179,310.82	36,215,530.48	36,197,420.65	19,815,543.07	13.0	(12.85)%	1,619,293.19
3151 Accessory Elec Equipment, Pollution	2,713,253.32	2,713,253.32	2,713,253.32	1,489,657.81	13.0	(12.85)%	120,942.30
3160 Misc Power Pit Eq	561,940.09	561,940.09	561,940.09	363,010.52	13.0		20,856.84
3161 Misc Power Pit Eq, Pollution	-	-	-	-	13.0	(12.85)%	-
	482,708,313.02	**487,788,842.47**	**485,248,577.76**	**247,163,751.59**			**22,853,744.87**
Boswell Unit 4							
3100 Land & Land Rights, Fee	2,583,971.28	2,583,971.28	2,583,971.28	-			-
3110 Structure & Improvements	39,087,635.04	39,169,059.13	39,128,347.09	25,861,669.13	13.0	(6.42)%	1,210,713.54
3111 Structure & Improvements, Pollution	31,831,680.11	31,855,700.98	31,843,690.55	16,424,326.99	13.0	(6.42)%	1,342,468.72
3120 Boiler Plant Equipment	136,408,631.52	142,299,921.08	139,354,276.30	74,480,150.04	13.0	(6.42)%	5,519,106.23
3121 Boiler Plant Equipment, Pollution	267,649,187.16	268,275,939.14	267,962,563.15	108,552,427.33	13.0	(6.42)%	13,608,529.99
3140 Turbogenerator Units	58,373,525.64	58,387,761.82	58,380,643.73	25,990,359.88	13.0	(6.42)%	2,775,497.12
3141 Turbogenerator Units, Pollution	16,069,289.71	17,459,156.58	16,764,223.15	8,019,644.70	13.0	(6.42)%	731,228.63
3150 Accessory Elec Equipment	39,886,350.04	40,071,015.52	39,978,682.78	17,076,677.48	13.0	(6.42)%	1,966,098.13
3151 Accessory Elec Equipment, Pollution	12,431,691.01	12,431,691.01	12,431,691.01	7,581,684.90	13.0	(6.42)%	434,470.80
3160 Misc Power Pit Eq	994,089.12	994,089.12	994,089.12	621,676.59	13.0	(6.42)%	33,556.44
3161 Misc Power Pit Eq, Pollution	429,105.31	429,105.31	429,105.31	380,541.08	13.0	(6.42)%	5,854.80
	605,745,155.94	**613,957,410.97**	**609,851,283.47**	**284,989,158.12**			**27,627,524.40**
Hibbard Renewable Energy Center							
3100 Land & Land Rights, Fee	30,716.52	30,716.52	30,716.52	-			-
3110 Structure & Improvements	5,512,834.77	5,512,834.77	5,512,834.77	4,092,788.42	7.0	(6.98)%	257,834.64
3111 Structure & Improvements, Pollution	227,445.71	227,445.71	227,445.71	116,169.10	7.0	(6.98)%	18,164.56
3120 Boiler Plant Equipment	56,961,721.45	59,474,651.63	58,218,186.54	43,835,132.26	7.0	(6.98)%	2,811,984.16
3121 Boiler Plant Equipment, Pollution	15,187,014.11	15,187,014.11	15,187,014.11	11,083,424.12	7.0	(6.98)%	737,663.42
3140 Turbogenerator Units	10,222,088.20	10,528,793.64	10,375,440.92	8,177,194.15	7.0	(6.98)%	458,721.59
3141 Turbogenerator Units, Pollution	-	-	-	-	7.0	(6.98)%	-
3150 Accessory Elec Equipment	4,753,901.65	4,753,901.65	4,753,901.65	3,220,678.12	7.0	(6.98)%	266,435.13

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3151 Accessory Elec Equipment, Pollution	-	-	-	-	7.0	(6.98)%	-
3160 Misc Power Pit Eq	1,149,756.56	1,149,756.56	1,149,756.56	927,113.09	7.0	(6.98)%	43,270.86
3161 Misc Power Pit Eq, Pollution	-	-	-	-	7.0	(6.98)%	-
	94,045,478.97	**96,865,114.59**	**95,455,296.78**	**71,452,499.26**			**4,594,074.36**
Laskin							
3100 Land & Land Rights, Fee	253,164.48	253,164.48	253,164.48	-			-
3110 Structure & Improvements	6,310,114.53	6,310,114.53	6,310,114.53	5,947,654.58	8.0	(7.32)%	103,045.08
3111 Structure & Improvements, Pollution	4,755,003.86	4,755,003.86	4,755,003.86	3,963,008.78	8.0	(7.32)%	142,507.56
3120 Boiler Plant Equipment	38,098,890.00	38,142,834.65	38,120,862.33	29,648,915.02	8.0	(7.32)%	1,407,248.27
3121 Boiler Plant Equipment, Pollution	8,129,374.84	8,200,962.54	8,165,168.69	(3,358,366.06)	8.0	(7.32)%	1,524,700.16
3140 Turbogenerator Units	11,001,101.97	11,099,830.55	11,050,466.26	10,740,834.06	8.0	(7.32)%	176,478.09
3141 Turbogenerator Units, Pollution	119,200.85	119,200.85	119,200.85	96,340.19	8.0	(7.32)%	3,948.24
3150 Accessory Elec Equipment	4,888,367.86	4,888,367.86	4,888,367.86	4,402,907.80	8.0	(7.32)%	105,411.12
3151 Accessory Elec Equipment, Pollution	529,155.42	529,155.42	529,155.42	570,466.82	8.0	(7.32)%	(322.15)
3160 Misc Power Pit Eq	974,603.26	991,882.04	983,242.65	1,004,180.05	8.0	(7.32)%	6,110.14
3161 Misc Power Pit Eq, Pollution	18,035.02	18,035.02	18,035.02	20,119.80	8.0	(7.32)%	(95.52)
	75,077,012.09	**75,308,551.80**	**75,192,781.95**	**53,036,061.04**			**3,469,030.99**
Taconite Harbor							
3100 Land & Land Rights, Fee	143,350.45	143,350.45	143,350.45	-			-
3110 Structure & Improvements	11,420,017.70	11,420,017.70	11,420,017.70	9,656,078.43	4.0	(12.18)%	788,724.36
3111 Structure & Improvements, Pollution	5,237,249.34	5,237,249.34	5,237,249.34	4,545,388.28	4.0	(12.18)%	325,196.52
3120 Boiler Plant Equipment	30,582,452.69	29,935,471.77	30,258,962.23	23,681,860.35	4.0	(12.18)%	2,623,714.73
3121 Boiler Plant Equipment, Pollution	60,300,980.66	60,300,980.66	60,300,980.66	48,968,052.98	4.0	(12.18)%	4,341,394.56
3140 Turbogenerator Units	12,653,730.37	12,653,730.37	12,653,730.37	9,895,396.79	4.0	(12.18)%	1,074,889.44
3141 Turbogenerator Units, Pollution	438,677.56	438,677.56	438,677.56	360,802.16	4.0	(12.18)%	32,826.60
3150 Accessory Elec Equipment	10,753,456.96	10,753,456.96	10,753,456.96	8,356,819.22	4.0	(12.18)%	926,602.20
3151 Accessory Elec Equipment, Pollution	4,225,162.79	4,225,162.79	4,225,162.79	3,525,544.22	4.0	(12.18)%	303,560.88
3160 Misc Power Pit Eq	1,080,821.23	1,063,542.45	1,072,181.84	944,940.26	4.0	(12.18)%	66,200.63
3161 Misc Power Pit Eq, Pollution	-	-	-	-	4.0	(12.18)%	-
	136,835,899.75	**136,171,640.05**	**136,503,769.90**	**109,934,882.69**			**10,483,109.92**
Steam Summary							
3100 Land & Land Rights, Fee	10,398,985.40	10,398,985.40	10,398,985.40	-			
3110 Structure & Improvements	112,714,247.73	113,720,537.37	113,217,392.56	80,262,400.38			3,994,555.73
3111 Structure & Improvements, Pollution	103,479,784.73	104,248,535.14	103,864,159.94	52,464,542.86			4,875,645.03
3120 Boiler Plant Equipment	448,585,661.59	458,694,821.18	453,640,241.40	294,095,182.67			19,107,931.59
3121 Boiler Plant Equipment, Pollution	727,505,243.38	733,988,909.36	730,747,076.38	356,735,016.59			38,436,748.97
3140 Turbogenerator Units	145,289,795.64	146,063,362.52	145,676,579.09	94,345,338.51			6,176,763.90
3141 Turbogenerator Units, Pollution	25,628,023.26	26,936,634.35	26,282,328.81	12,105,658.60			1,279,815.20
3150 Accessory Elec Equipment	118,039,353.24	118,154,723.30	118,097,038.27	71,301,764.76			5,361,593.65
3151 Accessory Elec Equipment, Pollution	22,513,933.52	22,513,933.52	22,513,933.52	15,533,126.42			898,257.27
3160 Misc Power Pit Eq	9,272,499.46	9,025,016.42	9,148,757.94	7,052,553.93			293,172.13
3161 Misc Power Pit Eq, Pollution	447,274.09	447,274.09	447,274.09	400,787.36			5,760.50
Total Steam	**1,723,874,802.04**	**1,744,192,732.65**	**1,734,033,767.40**	**984,296,372.08**			**80,430,243.97**
BIRCH LAKE RESERVOIR - PROJECT 469							
3300 Land & Land Rights, Fee	1,556.25	1,556.25	1,556.25	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	232.79	232.79	232.79	-			-
3307 Land & Land Rights-Recr, Easem	381.50	381.50	381.50	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	14,922.38	14,922.38	14,922.38	8,064.51	41.0		167.28
3320 Reservoirs, Dams & Waterways	3,517,396.19	3,517,396.19	3,517,396.19	422,559.03	41.0		75,483.84
3322 Reservoirs, Dams & Water, Recr	1,176.00	1,176.00	1,176.00	1,176.00	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	19,747.67	19,747.67	19,747.67	19,579.05	41.0		4.08
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	3,555,412.78	**3,555,412.78**	**3,555,412.78**	**451,378.59**			**75,655.20**
BLANCHARD HE STATION - PROJECT 346							
3300 Land & Land Rights, Fee	56,631.61	56,631.61	56,631.61	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	2,018.12	2,018.12	2,018.12	-			-
3305 Land & Land Rights, Easements	75,807.00	75,807.00	75,807.00	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	2,973,932.46	5,825,928.98	4,399,930.72	681,658.96	41.0		77,904.45
3312 Structure & Improvements, Recr	83,759.38	83,759.38	83,759.38	54,095.07	41.0		723.48
3320 Reservoirs, Dams & Waterways	4,663,964.46	4,696,273.45	4,680,118.96	1,763,082.45	41.0		71,074.61
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	4,066,370.35	4,066,370.35	4,066,370.35	2,357,830.83	41.0		41,671.68
3340 Accessory Electric Equipment	2,023,870.58	2,023,870.58	2,023,870.58	1,359,949.41	41.0		16,193.28
3350 Miscellaneous Power Plant Equi	205,627.84	205,627.84	205,627.84	105,174.50	41.0		2,450.04

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3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	14,151,981.80	**17,036,287.31**	**15,594,134.56**	**6,321,791.22**			**210,017.54**
BOULDER LAKE RESERVOIR - PROJECT 23							
3300 Land & Land Rights, Fee	82,749.91	82,749.91	82,749.91	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	130.73	130.73	130.73	-			-
3305 Land & Land Rights, Easements	3,682.00	3,682.00	3,682.00	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	3,142.11	3,142.11	3,142.11	2,232.29	41.0		22.20
3312 Structure & Improvements, Recr	290,715.46	290,715.46	290,715.46	154,095.73	41.0		3,332.16
3320 Reservoirs, Dams & Waterways	1,170,871.06	1,170,871.06	1,170,871.06	182,508.52	41.0		24,106.44
3322 Reservoirs, Dams & Water, Recr	1,745.39	1,745.39	1,745.39	1,375.03	41.0		9.00
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	20,039.76	20,039.76	20,039.76	12,411.30	41.0		186.06
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	12,598.51	12,598.51	12,598.51	7,430.05	41.0		126.06
	1,585,674.93	**1,585,674.93**	**1,585,674.93**	**360,052.92**			**27,781.92**
CLOQUET AND ST LOUIS RVR GAG'G STA							
3300 Land & Land Rights, Fee	2,068.21	2,068.21	2,068.21	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	-	-	-	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	-	-	-	-	41.0		-
3320 Reservoirs, Dams & Waterways	69,586.38	69,586.38	69,586.38	40,563.61	41.0		707.88
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	55,864.48	55,864.48	55,864.48	30,996.34	41.0		606.54
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	127,519.07	**127,519.07**	**127,519.07**	**71,559.95**			**1,314.42**
FISH LAKE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	43,130.20	42,919.64	43,024.92	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	86.24	86.24	86.24	-			-
3305 Land & Land Rights, Easements	19,193.38	19,193.38	19,193.38	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	43,537.22	43,537.22	43,537.22	13,443.74	41.0		734.04
3320 Reservoirs, Dams & Waterways	1,317,177.19	1,317,177.19	1,317,177.19	342,470.61	41.0		23,773.32
3322 Reservoirs, Dams & Water, Recr	2,278.05	2,278.05	2,278.05	1,724.17	41.0		13.56
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	18,864.63	18,864.63	18,864.63	11,007.79	41.0		191.64
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	1,444,266.91	**1,444,056.35**	**1,444,161.63**	**368,646.31**			**24,712.56**
FOND DU LAC HE STA PROJECT 2360							
3300 Land & Land Rights, Fee	874,753.53	874,753.53	874,753.53	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	-	-	-	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	819,257.74	819,257.74	819,257.74	536,498.81	41.0		6,896.52
3312 Structure & Improvements, Recr	24,973.68	24,973.68	24,973.68	17,004.68	41.0		194.40
3320 Reservoirs, Dams & Waterways	11,299,264.06	11,307,964.04	11,303,614.05	3,611,237.24	41.0		188,198.18
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	5,586,766.73	5,586,766.73	5,586,766.73	726,267.58	41.0		118,548.78
3340 Accessory Electric Equipment	1,465,907.51	1,465,907.51	1,465,907.51	505,730.29	41.0		23,418.96
3350 Miscellaneous Power Plant Equi	133,635.37	133,635.37	133,635.37	37,997.95	41.0		2,332.62
3360 Roads, Railroads And Bridges	309,483.06	309,483.06	309,483.06	58,510.36	41.0		6,121.32
	20,514,041.68	**20,522,741.66**	**20,518,391.67**	**5,493,246.91**			**345,710.78**
ISLAND LAKE RESERVOIR - PROJECT 236							
3300 Land & Land Rights, Fee	243,084.23	234,616.57	238,850.40	-			-
3301 Land & Land Rights-Fish, Fee	588.76	588.76	588.76	-			-
3302 Land & Land Rights-Recr, Fee	1,831.33	1,831.33	1,831.33	-			-
3305 Land & Land Rights, Easements	70,314.04	70,314.04	70,314.04	-			-
3307 Land & Land Rights-Recr, Easem	500.00	500.00	500.00	-			-
3310 Structure & Improvements	102,799.27	102,799.27	102,799.27	26,820.90	41.0		1,853.16
3312 Structure & Improvements, Recr	1,143,383.67	1,136,998.89	1,140,191.28	373,018.30	41.0		18,798.57
3320 Reservoirs, Dams & Waterways	17,760,230.71	17,760,230.71	17,760,230.71	2,613,307.55	41.0		369,437.16
3322 Reservoirs, Dams & Water, Recr	5,448.42	5,448.42	5,448.42	4,310.22	41.0		27.72

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3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	-	-	-	-	41.0		-
3350 Miscellaneous Power Plant Equi	47,879.44	47,879.44	47,879.44	7,263.87	41.0		990.60
3360 Roads, Railroads And Bridges	2,996.41	2,996.41	2,996.41	2,273.49	41.0		17.64
	19,379,056.28	**19,364,203.84**	**19,371,630.06**	**3,026,994.33**			**391,124.85**
KNIFE FALLS HE STATION - PROJECT 23							
3300 Land & Land Rights, Fee	3,779.70	3,779.70	3,779.70	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	34,453.54	34,453.54	34,453.54	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	938,712.18	938,712.18	938,712.18	232,354.98	41.0		17,228.28
3312 Structure & Improvements, Recr	2,759.52	2,759.52	2,759.52	2,098.05	41.0		16.08
3320 Reservoirs, Dams & Waterways	2,297,421.95	2,297,421.95	2,297,421.95	978,082.26	41.0		32,178.96
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	290,616.45	290,616.45	290,616.45	155,800.53	41.0		3,288.18
3340 Accessory Electric Equipment	903,730.37	903,730.37	903,730.37	758,200.57	41.0		3,549.54
3350 Miscellaneous Power Plant Equi	69,034.30	69,034.30	69,034.30	20,474.61	41.0		1,184.40
3360 Roads, Railroads And Bridges	457.30	457.30	457.30	439.08	41.0		0.48
	4,540,965.31	**4,540,965.31**	**4,540,965.31**	**2,147,450.08**			**57,445.92**
LITTLE FALLS HE STATION - PROJECT 2							
3300 Land & Land Rights, Fee	182,693.08	182,693.08	182,693.08	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	21,429.84	21,429.84	21,429.84	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	1,451,221.93	1,451,221.93	1,451,221.93	732,365.50	41.0		17,533.14
3312 Structure & Improvements, Recr	6,042.41	6,042.41	6,042.41	4,365.33	41.0		40.92
3320 Reservoirs, Dams & Waterways	7,019,312.72	7,019,312.72	7,019,312.72	1,936,625.99	41.0		123,967.92
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	3,272,720.36	3,297,733.24	3,285,226.80	1,518,285.37	41.0		42,926.67
3340 Accessory Electric Equipment	1,588,165.23	1,588,165.23	1,588,165.23	781,063.21	41.0		19,685.40
3350 Miscellaneous Power Plant Equi	270,552.23	270,552.23	270,552.23	171,237.51	41.0		2,422.32
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	13,812,137.80	**13,837,150.68**	**13,824,644.24**	**5,143,942.91**			**206,576.37**
MISC OPERATING LANDS - KAWISHIWI RI							
3300 Land & Land Rights, Fee	64,603.84	64,603.84	64,603.84	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	503,338.43	503,338.43	503,338.43	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	-	-	-	-	41.0		-
3320 Reservoirs, Dams & Waterways	-	-	-	-	41.0		-
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	-	-	-	-	41.0		-
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	567,942.27	**567,942.27**	**567,942.27**	**-**			**-**
PILLAGER HE STATION - PROJECT 2663							
3300 Land & Land Rights, Fee	61,067.17	61,067.17	61,067.17	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	68,003.91	68,003.91	68,003.91	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	142,890.95	142,890.95	142,890.95	82,208.87	41.0		1,479.96
3312 Structure & Improvements, Recr	12,789.11	12,789.11	12,789.11	9,594.89	41.0		77.88
3320 Reservoirs, Dams & Waterways	1,957,286.13	1,959,446.75	1,958,366.44	906,780.71	41.0		25,671.86
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	194,360.89	194,360.89	194,360.89	151,711.36	41.0		1,040.28
3340 Accessory Electric Equipment	266,171.82	266,171.82	266,171.82	198,598.67	41.0		1,648.08
3350 Miscellaneous Power Plant Equi	12,960.27	12,960.27	12,960.27	12,633.09	41.0		7.98
3360 Roads, Railroads And Bridges	1,497.48	1,497.48	1,497.48	1,485.18	41.0		0.30
	2,717,027.73	**2,719,188.35**	**2,718,108.04**	**1,363,012.77**			**29,926.34**
PRAIRIE RIVER HE STATION - MINOR PR							
3300 Land & Land Rights, Fee	1,031.76	1,031.76	1,031.76	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	-	-	-	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	1,851,254.92	1,851,254.92	1,851,254.92	625,357.40	41.0		29,899.92

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Facility and Plant Account	Beginning Plant Balance	Ending Plant Balance	Average Plant Balances	Beginning Reserve	2023 Remaining Life	2023 Salvage Rates	2023 Provision
3312 Structure & Improvements, Recr	6,098.46	6,098.46	6,098.46	5,044.13	41.0		25.68
3320 Reservoirs, Dams & Waterways	993,835.97	1,399,212.46	1,196,524.22	481,630.96	41.0		15,339.12
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	862,581.73	862,581.73	862,581.73	194,939.28	41.0		16,283.94
3340 Accessory Electric Equipment	891,463.10	891,463.10	891,463.10	116,104.21	41.0		18,911.22
3350 Miscellaneous Power Plant Equi	59,425.40	59,425.40	59,425.40	7,814.15	41.0		1,258.80
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	4,665,691.34	**5,071,067.83**	**4,868,379.59**	**1,430,890.13**			**81,718.68**
RICE LAKE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	13,319.62	13,319.62	13,319.62	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	6,359.61	6,359.61	6,359.61	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	28,927.23	28,927.23	28,927.23	6,134.81	41.0		555.96
3320 Reservoirs, Dams & Waterways	171,979.48	171,979.48	171,979.48	60,603.89	41.0		2,716.44
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	18,269.12	18,269.12	18,269.12	10,661.84	41.0		185.52
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	238,855.06	**238,855.06**	**238,855.06**	**77,400.54**			**3,457.92**
SCANLON HE STATION - PROJECT 2360							
3300 Land & Land Rights, Fee	16,283.77	16,283.77	16,283.77	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	500.00	500.00	500.00	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	195,862.82	195,862.82	195,862.82	120,280.24	41.0		1,843.56
3312 Structure & Improvements, Recr	100,152.33	100,152.33	100,152.33	52,954.81	41.0		1,151.16
3320 Reservoirs, Dams & Waterways	2,519,184.98	5,222,159.23	3,870,672.11	658,532.54	41.0		65,070.33
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	297,643.43	297,643.43	297,643.43	182,526.54	41.0		2,807.70
3340 Accessory Electric Equipment	836,394.80	836,394.80	836,394.80	670,541.62	41.0		4,045.18
3350 Miscellaneous Power Plant Equi	37,548.82	37,548.82	37,548.82	14,723.74	41.0		556.68
3360 Roads, Railroads And Bridges	17,171.99	17,171.99	17,171.99	14,251.97	41.0		71.22
	4,020,742.94	**6,723,717.19**	**5,372,230.07**	**1,713,811.46**			**75,545.83**
SYLVAN HE STATION - PROJECT NO 2454							
3300 Land & Land Rights, Fee	103,210.35	103,210.35	103,210.35	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	17,118.86	17,118.86	17,118.86	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	299,936.18	299,936.18	299,936.18	188,103.40	41.0		2,727.60
3312 Structure & Improvements, Recr	36,001.73	36,001.73	36,001.73	27,044.09	41.0		218.52
3320 Reservoirs, Dams & Waterways	1,481,483.13	1,481,483.13	1,481,483.13	1,005,749.16	41.0		11,603.28
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	222,259.37	222,259.37	222,259.37	214,943.57	41.0		178.44
3340 Accessory Electric Equipment	177,557.69	177,557.69	177,557.69	164,961.05	41.0		307.20
3350 Miscellaneous Power Plant Equi	19,391.61	19,391.61	19,391.61	16,423.17	41.0		72.36
3360 Roads, Railroads And Bridges	1,974.52	1,974.52	1,974.52	1,974.52	41.0		-
	2,358,933.44	**2,358,933.44**	**2,358,933.44**	**1,619,198.96**			**15,107.40**
THOMSON HE STATION - PROJECT 2360							
3300 Land & Land Rights, Fee	332,449.65	332,449.65	332,449.65	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	394.59	394.59	394.59	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	8,367,764.54	8,367,764.54	8,367,764.54	1,732,456.48	41.0		161,836.80
3312 Structure & Improvements, Recr	52,627.95	52,627.95	52,627.95	29,020.66	41.0		575.76
3320 Reservoirs, Dams & Waterways	75,032,036.61	75,258,097.58	75,145,067.10	8,727,044.17	41.0		1,621,488.06
3322 Reservoirs, Dams & Water, Recr	305.38	305.38	305.38	238.75	41.0		1.68
3330 Water Wheels, Turbines & Gen	17,416,482.94	18,055,004.24	17,735,743.59	5,653,296.26	41.0		288,879.65
3340 Accessory Electric Equipment	10,460,816.82	10,460,816.82	10,460,816.82	1,186,367.45	41.0		226,206.00
3350 Miscellaneous Power Plant Equi	860,312.85	829,707.84	845,010.35	241,101.21	41.0		15,102.72
3360 Roads, Railroads And Bridges	90,090.36	90,090.36	90,090.36	28,342.99	41.0		1,506.00
	112,613,281.69	**113,447,258.95**	**113,030,270.33**	**17,597,867.97**			**2,315,596.67**
WHITE IRON LAKE RESERVOIR - PROJECT							
3300 Land & Land Rights, Fee	-	-	-	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-

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Facility and Plant Account	Beginning Plant Balance	Ending Plant Balance	Average Plant Balances	Beginning Reserve	2023 Remaining Life	2023 Salvage Rates	2023 Provision
3305 Land & Land Rights, Easements	349.88	349.88	349.88	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	-	-	-	-	41.0		-
3320 Reservoirs, Dams & Waterways	6,141.88	6,141.88	6,141.88	3,425.28	41.0		66.24
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	16,105.38	16,105.38	16,105.38	5,906.01	41.0		248.76
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	22,597.14	**22,597.14**	**22,597.14**	**9,331.29**			**315.00**
WHITEFACE RESERVOIR - PROJECT 2360							
3300 Land & Land Rights, Fee	42,068.43	41,278.53	41,673.48	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	-	-	-	-			-
3305 Land & Land Rights, Easements	94,923.20	94,923.20	94,923.20	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	-	-	-	-	41.0		-
3312 Structure & Improvements, Recr	34,312.69	34,312.69	34,312.69	26,029.72	41.0		202.08
3320 Reservoirs, Dams & Waterways	3,064,707.26	3,064,707.26	3,064,707.26	320,116.48	41.0		66,941.28
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	-	-	-	-	41.0		-
3340 Accessory Electric Equipment	14,446.85	14,446.85	14,446.85	6,876.68	41.0		184.62
3350 Miscellaneous Power Plant Equi	-	-	-	-	41.0		-
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	3,250,458.43	**3,249,668.53**	**3,250,063.48**	**353,022.88**			**67,327.98**
WINTON HE STATION - PROJECT 469							
3300 Land & Land Rights, Fee	106,603.64	106,603.64	106,603.64	-			-
3301 Land & Land Rights-Fish, Fee	-	-	-	-			-
3302 Land & Land Rights-Recr, Fee	1,797.73	1,797.73	1,797.73	-			-
3305 Land & Land Rights, Easements	210,170.75	210,170.75	210,170.75	-			-
3307 Land & Land Rights-Recr, Easem	-	-	-	-			-
3310 Structure & Improvements	483,747.14	483,747.14	483,747.14	342,026.83	41.0		3,456.48
3312 Structure & Improvements, Recr	155,301.29	155,301.29	155,301.29	84,173.68	41.0		1,734.84
3320 Reservoirs, Dams & Waterways	4,806,970.44	4,816,898.63	4,811,934.54	1,303,598.76	41.0		85,660.55
3322 Reservoirs, Dams & Water, Recr	-	-	-	-	41.0		-
3330 Water Wheels, Turbines & Gen	539,240.51	539,240.51	539,240.51	310,041.90	41.0		5,590.20
3340 Accessory Electric Equipment	1,961,841.96	1,961,841.96	1,961,841.96	781,840.94	41.0		28,780.50
3350 Miscellaneous Power Plant Equi	82,729.13	82,729.13	82,729.13	144,457.21	41.0		(1,505.58)
3360 Roads, Railroads And Bridges	-	-	-	-	41.0		-
	8,348,402.59	**8,358,330.78**	**8,353,366.69**	**2,966,139.32**			**123,716.99**
Hydro Summary							
3300 Land & Land Rights, Fee	2,231,084.95	2,221,616.83	2,226,350.89	-			-
3301 Land & Land Rights-Fish, Fee	588.76	588.76	588.76	-			-
3302 Land & Land Rights-Recr, Fee	5,864.15	5,864.15	5,864.15	-			-
3305 Land & Land Rights, Easements	1,126,271.82	1,126,271.82	1,126,271.82	-			-
3307 Land & Land Rights-Recr, Easem	881.50	881.50	881.50	-			-
3310 Structure & Improvements	17,630,522.24	20,482,518.76	19,056,520.50	5,302,364.66			322,682.07
3312 Structure & Improvements, Recr	2,036,304.51	2,029,919.73	2,033,112.12	866,182.20			28,548.81
3320 Reservoirs, Dams & Waterways	139,148,850.60	142,536,360.09	140,842,605.37	25,357,919.21			2,803,485.47
3322 Reservoirs, Dams & Water, Recr	10,953.24	10,953.24	10,953.24	8,824.17			51.96
3330 Water Wheels, Turbines & Gen	32,749,042.76	33,412,576.94	33,080,809.85	11,465,643.22			521,215.52
3340 Accessory Electric Equipment	20,739,257.77	20,739,257.77	20,739,257.77	6,620,796.43			344,352.58
3350 Miscellaneous Power Plant Equi	1,799,097.26	1,768,492.25	1,783,794.76	779,301.01			24,872.94
3360 Roads, Railroads And Bridges	436,269.63	436,269.63	436,269.63	114,707.64			7,843.02
Total Hydro	**217,914,989.19**	**224,771,571.47**	**221,343,280.36**	**50,515,738.54**			**4,053,052.37**
Bison 1A Wind							
3400 Land and Land Rights	-	-	-	-			-
3410 Structures and Improvements	7,471,983.68	7,471,983.68	7,471,983.68	2,360,928.92	22.9	(0.45)%	224,495.04
3440 Generators	66,008,815.81	65,533,421.05	65,771,118.43	21,381,495.02	22.9	(0.45)%	1,970,229.60
3450 Accessory Electric Equipment	652,477.19	652,477.19	652,477.19	164,588.12	22.9	(0.45)%	20,461.81
3460 Misc Power Plant Equipment	641,916.83	641,916.83	641,916.83	198,029.17	22.9	(0.45)%	19,398.36
	74,775,193.51	**74,299,798.75**	**74,537,496.13**	**24,105,041.23**			**2,234,584.81**
Bison 1B Wind							
3400 Land and Land Rights	380,982.94	380,982.94	380,982.94	-			-
3410 Structures and Improvements	4,038,502.21	4,038,502.21	4,038,502.21	1,168,673.55	24.0	(0.43)%	120,299.76
3440 Generators	65,185,599.16	65,185,599.16	65,185,599.16	19,258,799.18	24.0	(0.43)%	1,925,295.72
3450 Accessory Electric Equipment	4,211,765.27	4,211,765.27	4,211,765.27	1,213,482.49	24.0	(0.43)%	125,682.96
3460 Misc Power Plant Equipment	17,868.66	17,868.66	17,868.66	5,365.48	24.0	(0.43)%	524.16
	73,834,718.24	**73,834,718.24**	**73,834,718.24**	**21,646,320.70**			**2,171,802.60**
Bison 2 Wind							

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Facility and Plant Account	Beginning Plant Balance	Ending Plant Balance	Average Plant Balances	Beginning Reserve	2023 Remaining Life	2023 Salvage Rates	2023 Provision
3400 Land and Land Rights	267,122.03	267,122.03	267,122.03	-			-
3410 Structures and Improvements	9,664,236.74	9,664,236.74	9,664,236.74	3,088,764.39	25.0	(0.41)%	264,603.84
3440 Generators	124,895,000.88	124,895,000.88	124,895,000.88	36,553,579.79	25.0	(0.41)%	3,554,139.60
3450 Accessory Electric Equipment	13,834,046.10	13,834,046.10	13,834,046.10	4,090,362.37	25.0	(0.41)%	392,016.12
3460 Misc Power Plant Equipment	2,249,258.65	2,249,258.65	2,249,258.65	557,894.56	25.0	(0.41)%	68,023.44
	150,909,664.40	**150,909,664.40**	**150,909,664.40**	**44,290,601.11**			**4,278,783.00**
Bison 3 Wind							
3400 Land and Land Rights	191,651.62	191,651.62	191,651.62	-			-
3410 Structures and Improvements	9,231,530.40	9,231,530.40	9,231,530.40	2,703,852.16	25.0	(0.51)%	262,990.32
3440 Generators	125,717,473.03	125,717,473.03	125,717,473.03	36,092,039.64	25.0	(0.51)%	3,610,663.80
3450 Accessory Electric Equipment	14,861,952.21	14,861,952.21	14,861,952.21	4,233,721.96	25.0	(0.51)%	428,161.08
3460 Misc Power Plant Equipment	-	-	-	-	25.0	(0.51)%	-
	150,002,607.26	**150,002,607.26**	**150,002,607.26**	**43,029,613.76**			**4,301,815.20**
Bison 4 Wind							
3400 Land and Land Rights	642,169.90	642,169.90	642,169.90	-			-
3410 Structures and Improvements	15,898,889.46	15,898,889.46	15,898,889.46	3,435,964.81	27.0	(0.39)%	463,886.31
3440 Generators	294,350,359.10	290,270,008.50	292,310,183.80	68,173,152.82	27.0	(0.39)%	8,423,913.52
3450 Accessory Electric Equipment	15,284,280.38	15,284,280.38	15,284,280.38	3,283,382.96	27.0	(0.39)%	446,685.48
3460 Misc Power Plant Equipment	-	-	-	-	27.0	(0.39)%	-
	326,175,698.84	**322,095,348.24**	**324,135,523.54**	**74,892,500.59**			**9,334,485.31**
Tac Ridge Wind							
3400 Land and Land Rights	-	-	-	-			-
3410 Structures and Improvements	6,236,961.94	6,236,961.94	6,236,961.94	2,095,390.72	20.4	(0.42)%	204,135.48
3440 Generators	42,018,761.08	40,983,729.82	41,501,245.45	8,470,521.48	20.4	(0.42)%	1,679,749.98
3450 Accessory Electric Equipment	798,645.88	798,645.88	798,645.88	342,235.98	20.4	(0.42)%	23,591.82
3460 Misc Power Plant Equipment	222,150.96	90,594.70	156,372.83	68,798.04	20.4	(0.42)%	8,044.84
	49,276,519.86	**48,109,932.34**	**48,693,226.10**	**10,976,946.22**			**1,915,522.12**
Wind Summary							
3400 Land and Land Rights	1,481,926.49	1,481,926.49	1,481,926.49	-			
3410 Structures and Improvements	52,542,104.43	52,542,104.43	52,542,104.43	14,853,574.55			1,540,410.75
3440 Generators	718,176,009.06	712,585,232.44	715,380,620.75	189,929,587.93			21,163,992.22
3450 Accessory Electric Equipment	49,643,167.03	49,643,167.03	49,643,167.03	13,327,773.88			1,436,599.27
3460 Misc Power Plant Equipment	3,131,195.10	2,999,638.84	3,065,416.97	830,087.25			95,990.80
Total Wind	**824,974,402.11**	**819,252,069.23**	**822,113,235.67**	**218,941,023.61**			**24,236,993.04**
Community Solar Gardens							
3401 Land and Land Rights	-	-	-	-			-
3406 Land Easements	-	-	-	-	18.9		-
3415 Structures and Improvements	26,425.97	26,425.97	26,425.97	8,530.84	18.9		945.96
3425 Fuel Holders, Prod, & Accessor	-	-	-	-	18.9		-
3435 Prime Movers	-	-	-	-	18.9		-
3445 Generators	176,850.74	176,850.74	176,850.74	30,395.54	18.9		7,742.16
3455 Accessory Electric Equipment	-	-	-	-	18.9		-
3465 Misc Power Plant Equipment	-	-	-	-	18.9		-
	203,276.71	**203,276.71**	**203,276.71**	**38,926.38**			**8,688.12**
Solar Summary							
3401 Land and Land Rights	-	-	-	-			-
3406 Land Easements	-	-	-	-			-
3415 Structures and Improvements	26,425.97	26,425.97	26,425.97	8,530.84			945.96
3425 Fuel Holders, Prod, & Accessor	-	-	-	-			-
3435 Prime Movers	-	-	-	-			-
3445 Generators	176,850.74	176,850.74	176,850.74	30,395.54			7,742.16
3455 Accessory Electric Equipment	-	-	-	-			-
3465 Misc Power Plant Equipment	-	-	-	-			-
Total Solar	**203,276.71**	**203,276.71**	**203,276.71**	**38,926.38**			**8,688.12**
Total Generation	**2,766,967,470.05**	**2,788,419,650.06**	**2,777,693,560.14**	**1,253,792,060.61**			**108,728,977.50**
Structures & Improvements							
3900 General Office Building	26,706,805.94	31,125,267.42	28,916,036.68	6,107,772.71	28.0		745,563.45
3900 Herbert Service Center	14,062,385.43	14,683,780.67	14,373,083.05	7,443,261.22	18.0		317,802.47
3900 Eveleth Service Center	7,131,678.31	7,119,402.25	7,125,540.28	3,973,474.46	187.0		174,106.43
3900 Rowe Energy Control Center	6,432,690.90	6,557,297.05	6,494,993.98	2,439,637.74	28.0		139,711.59
3900 Little Falls Service Center & DC Line Material Storage Facility	5,389,993.22	5,387,741.32	5,388,867.27	2,822,805.21	28.0		91,589.41
3900 Cloquet Service Center	2,439,252.68	2,375,410.37	2,407,331.53	1,424,819.22	8.0		127,069.76
3900 Park Rapids Service Center	1,938,206.33	1,939,330.44	1,938,768.39	1,934,080.38	0.0		19,083.17
3900 Coleraine Service Center	1,817,457.56	1,817,457.56	1,817,457.56	1,438,999.53	3.0		125,802.88
3900 Sandstone Service Center	1,886,112.25	1,886,431.32	1,886,271.79	897,028.31	18.0		53,884.24
3900 Pine River Service Center	2,015,480.61	2,003,774.79	2,009,627.70	883,516.45	18.0		62,246.48
3900 International Falls Service Center	1,302,603.20	1,297,035.31	1,299,819.26	727,347.85	8.0		71,506.34
3900 Miscellaneous	17,973,255.06	17,726,195.48	17,849,725.27	4,506,228.49	18.0		811,574.38
Total Structures & Improvements	**89,095,921.49**	**93,919,123.98**	**91,507,522.76**	**34,598,971.57**			**2,739,940.60**

Minnesota Power: Depreciation Expense
202301 - 202312

ALL FORMULAS EXCEPT LIFE AND SALVAGE RATE COLUMNS

Facility and Plant Account	Beginning Plant Balance	Ending Plant Balance	Average Plant Balances	Beginning Reserve	2023 Remaining Life	2023 Salvage Rates	2023 Provision
Total Generation and Structures & Improvements	2,856,063,391.54	2,882,338,774.04	2,869,201,082.90	1,288,391,032.18			111,468,918.10

MINNESOTA POWER
2024 - SALVAGE RATES

BOSWELL ENERGY CENTER

	Unit 1	Unit 2	Unit 3	Unit 4	Common	Total
Decommissioning Costs [1]	3,785,280	3,785,280	81,019,769	46,691,787	13,723,000	149,005,116
MP ownership %	100.00%	100.00%	100.00%	80.00%	89.54%	
	3,785,280	3,785,280	81,019,769	37,353,430	37,437,574	163,381,333
Plant in Service 12/31/2020	43,835,769	39,585,261		581,714,179		665,135,210
Plant in Service 12/31/2023			484,684,219		246,396,983	731,081,202
Gross Salvage	8.64%	9.56%	16.72%	6.42%	15.19%	1,396,216,412

	LASKIN ENERGY CENTER	TACONITE HARBOR	HIBBARD	
Decommissioning Costs [1]	25,600,000	25,368,896	6,475,273	
MP ownership %	100.00%	100.00%	100.00%	
	25,600,000	25,368,896	6,475,273	
Plant in Service 12/31/2020			92,812,637	92,812,637
Plant in Service 12/31/2023	75,055,387	136,028,290		211,083,677
Gross Salvage	34.11%	18.65%	6.98%	303,896,314

WIND

	Taconite Ridge	Bison 1A	Bison 1B	Bison 2	Bison 3	Bison 4	Grand Totals
Decommissioning Costs [1]	169,517	479,375	442,500	556,133	666,533	652,483	209,415,825
MP ownership %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
	169,517	479,375	442,500	556,133	666,533	652,483	223,792,043
Plant in Service 12/31/2023	48,109,932	74,299,799	73,453,735	150,642,542	149,810,956	321,453,178	2,517,882,868
Gross Salvage	0.35%	0.65%	0.60%	0.37%	0.44%	0.20%	

Salvage rates are updated for only those sites with decommissioning changes in 2024

Decommissioning Costs Net of Salvage
Studies dated August 2019, November 2020, and December 2020 - estimated decommissioning costs expected to be incurred in 2021 and beyond
Estimated CCR Legacy changes for Boswell and Laskin. Updated estimates for Taconite Harbor. Updated decommissioning study for Bison

	Environmental and Demolition Costs	Ash Pond/CCR Landfill Closure Costs	Scrap Value	Decomm in Progress thru Dec 2020	Net Projects Costs	Hibbard Adjustment (from 1994 Rate Case)	Net Projects Costs with Alloc. of Contingency (Net of Hibbard Adjusts.)	MP Ownership %s	CCR Legacy Costs	Total Projects Costs (Net of Hibbard Adjusts.) - Boswell Unit 4 Share
STEAM GENERATION									[1]	
Boswell										
Unit 1	3,219,221.00	81,420.00	(676,000.00)	1,160,639.09	3,785,280.09		3,785,280.09			3,785,280.09
Unit 2	3,219,221.00	81,420.00	(676,000.00)	1,160,639.08	3,785,280.08		3,785,280.08			3,785,280.08
Unit 3	8,807,384.00	44,632,835.00	(2,253,000.00)	7,332,549.61	58,519,768.61		58,519,768.61		22,500,000.00	81,019,768.61
Unit 4	10,410,174.00	33,824,325.00	(2,951,000.00)	5,408,288.27	46,691,787.27		46,691,787.27	80.00%		37,353,429.82
Common Area	16,034,000.00	-	(2,311,000.00)	-	13,723,000.00		13,723,000.00	89.54%	25,150,000.00	37,437,574.20
Total	41,690,000.00	78,620,000.00	(8,867,000.00)	15,062,116.05	126,505,116.05	-	126,505,116.05		47,650,000.00	163,381,332.80
Hibbard										
All Units	9,790,000.00	-	(2,009,000.00)		7,781,000.00	(1,305,727.00)	6,475,273.00			6,475,273.00
Total	9,790,000.00		(2,009,000.00)	-	7,781,000.00	(1,305,727.00)	6,475,273.00			6,475,273.00
Laskin										
All Units	7,031,000.00	-	(1,581,000.00)		5,450,000.00		5,450,000.00		20,150,000.00	25,600,000.00
Total	7,031,000.00		(1,581,000.00)	-	5,450,000.00	-	5,450,000.00		20,150,000.00	25,600,000.00
Taconite Harbor										
All Units	30,925,680.80	-	(5,556,785.00)		25,368,895.80		25,368,895.80			25,368,895.80
Total	30,925,680.80		(5,556,785.00)	-	25,368,895.80	-	25,368,895.80			25,368,895.80
Total Steam Generation	89,436,680.80	78,620,000.00	(18,013,785.00)	15,062,116.05	165,105,011.85	(1,305,727.00)	163,799,284.85		67,800,000.00	220,825,501.60
WIND GENERATION										
BISON										
Bison 1A - 16 Turbines	2,921,529.00	-	(2,442,154.00)		479,375.00		479,375.00			479,375.00
Bison 1B - 15 Turbines	2,696,796.00	-	(2,254,296.00)		442,500.00		442,500.00			442,500.00
Bison 2 - 35 Turbines	5,642,475.00	-	(5,086,342.00)		556,133.00		556,133.00			556,133.00
Bison 3 - 35 Turbines	5,962,175.00	-	(5,295,642.00)		666,533.00		666,533.00			666,533.00
Bison 4 - 64 Turbines	10,531,125.00	-	(9,878,642.00)		652,483.00		652,483.00			652,483.00
Subtotal Bison	27,754,100.00		(24,957,076.00)	-	2,797,024.00	-	2,797,024.00			2,797,024.00
Taconite Ridge Energy Center	1,682,066.67	-	(1,512,550.06)		169,516.61		169,516.61			169,516.61
Total Wind Generation	29,436,166.67	-	(26,469,626.06)	-	2,966,540.61	-	2,966,540.61			2,966,540.61
Grand Totals	118,872,847.47	78,620,000.00	(44,483,411.06)	15,062,116.05	168,071,552.46	(1,305,727.00)	166,765,825.46			223,792,042.21

Taconite Harbor Decommissioning Cost Estimates

	Decomm Costs	Salvage	Net Decomm Costs
THEC Decomm Estimate	30,925,680.80	(5,556,785.00)	25,368,895.80

Cost Type	Decomm Costs
Indirect	
Internal Resources	408,493.91
Engineering/Permits	2,238,688.11
Overheads & Insurance	739,302.39
Directs	
Coal Pile	6,746,502.63
Demolition	18,684,214.78
Scrap	(5,556,785.00)
Final Grading	449,185.00
Contingency	1,659,293.97
Total	**25,368,895.80**

Table 1 Draft 01 for Review and Comment **13-May-24** **Order-of-Magnitude Estimates** **Minnesota Power - Additional CCR Unit Management Activities** **Prepared by Barr Engineering**

CCR Units		Potential Range in CCR Unit Rule Compliance Costs (summary from subsequent spreadsheet columns)[1]		Estimated CCR Volume Potentially Requiring Management	Potential CCR Rule Compliance Pathways (Degree of Compliance Varies)[1]															
					Groundwater Monitoring		Engineering Controls								CCR Relocation					
					1		2		3		4		5		6		7		8	
BEC Area	**Boswell Energy Center**	**Low End ($)**	**High End ($)**	**Cubic Yards (cyd)**	**Groundwater Monitoring (Initial Cost)**	**$/cyd of CCR**	**Final Cover - Soil and Geomembrane**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier + Final Cover**	**$/cyd of CCR**	**Groundwater Cutoff and Seepage Collection + Final Cover[1]**	**$/cyd of CCR**	**Relocate to Existing CCR Unit Onsite**	**$/cyd of CCR**	**Relocate to New Facility Onsite**	**$/cyd of CCR**	**Relocate to Offsite Landfill**	**$/cyd of CCR**
1	Loop Track	**$ 370,000.00**	**$ 43,500,000.00**	715,000	$ 370,000.00	**$ 0.52**	$ 5,200,000.00	**$ 7.27**	$ 11,800,000.00	**$ 16.50**	$ 17,000,000.00	**$ 23.78**	$ 10,600,000.00	**$ 14.83**	$ 9,700,000.00	**$ 13.57**	$ 15,000,000.00	**$ 20.98**	$ 43,500,000.00	**$ 60.84**
2	Old Fly Ash Pond	**$ 400,000.00**	**$ 44,900,000.00**	780,000	$ 400,000.00	**$ 0.51**	$ 7,000,000.00	**$ 8.97**	$ 25,100,000.00	**$ 32.18**	$ 32,100,000.00	**$ 41.15**	$ 17,200,000.00	**$ 22.05**	$ 8,100,000.00	**$ 10.38**	$ 12,900,000.00	**$ 16.54**	$ 44,900,000.00	**$ 57.56**
3	Hibbing Ash Cell	**$ 250,000.00**	**$ 6,400,000.00**	115,000	$ 250,000.00	**$ 2.17**	$ -	**$ -**	$ 4,200,000.00	**$ 36.52**	$ 4,200,000.00	**$ 36.52**	$ 1,700,000.00	**$ 14.78**	$ 1,000,000.00	**$ 8.70**	$ 2,300,000.00	**$ 20.00**	$ 6,400,000.00	**$ 55.65**
4	Industrial Solid Waste Facility	**$ 250,000.00**	**$ 16,800,000.00**	300,000	$ 250,000.00	**$ 0.83**	$ -	**$ -**	$ 6,800,000.00	**$ 22.67**	6800000	**$ 22.67**	$ 2,700,000.00	**$ 9.00**	$ 2,700,000.00	**$ 9.00**	$ 5,000,000.00	**$ 16.67**	$ 16,800,000.00	**$ 56.00**
5	Old Bottom Ash Pond	**N/A**	**N/A**	-	$ 200,000.00	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**
6	Non-CCR Pond Access Road	**N/A**	**N/A**	N/A	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**
LEC Area	**Laskin Energy Center**	**Low End ($)**	**High End ($)**	**Cubic Yards (cyd)**	**Groundwater Monitoring (Initial Cost)**	**$/cyd of CCR**	**Final Cover - Soil and Geomembrane**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier + Final Cover**	**$/cyd of CCR**	**Groundwater Cutoff and Seepage Collection + Final Cover**	**$/cyd of CCR**	**Relocate to Existing CCR Unit Onsite**	**$/cyd of CCR**	**Relocate to New Facility Onsite**	**$/cyd of CCR**	**Relocate to Offsite Landfill**	**$/cyd of CCR**
1	Cell A	**$ 330,000.00**	**$ 23,800,000.00**	400,000	$ 330,000.00	**$ 0.83**	$ -	**$ -**	$ 9,700,000.00	**$ 24.25**	$ 9,700,000.00	**$ 24.25**	$ 4,400,000.00	**$ 11.00**	$ 7,800,000.00	**$ 19.50**	$ 7,800,000.00	**$ 19.50**	$ 23,800,000.00	**$ 59.50**
2	Cell B[2]	**$ 330,000.00**	**$ -**	-	$ 330,000.00	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**
3	Cell C[2]	**$ 330,000.00**	**$ -**	-	$ 330,000.00	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**
4	Cell D[2]	**$ 330,000.00**	**$ -**	-	$ 330,000.00	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**	$ -	**N/A**
5	Dump Area Southeast of Cell D	**$ 330,000.00**	**$ 24,000,000.00**	400,000	$ 330,000.00	**$ 0.83**	$ 3,600,000.00	**$ 9.00**	$ 11,100,000.00	**$ 27.75**	$ 14,700,000.00	**$ 36.75**	$ 8,600,000.00	**$ 21.50**	$ 8,100,000.00	**$ 20.25**	$ 8,100,000.00	**$ 20.25**	$ 24,000,000.00	**$ 60.00**
6	Cell E	**N/A**	**N/A**	757,000	Already In Place	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**
THEC Area	**Taconite Harbor Energy Center**	**Low End ($)**	**High End ($)**	**Cubic Yards (cyd)**	**Groundwater Monitoring (Initial Cost)**	**$/cyd of CCR**	**Final Cover - Soil and Geomembrane**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier**	**$/cyd of CCR**	**Groundwater Cutoff and Permeable Reactive Barrier + Final Cover**	**$/cyd of CCR**	**Groundwater Cutoff and Seepage Collection + Final Cover**	**$/cyd of CCR**	**Relocate to Existing CCR Unit Onsite**	**$/cyd of CCR**	**Relocate to New Facility Onsite**	**$/cyd of CCR**	**Relocate to Offsite Landfill**	**$/cyd of CCR**
1	Landfill Access Road (addressed in 2023)	**N/A**	**N/A**	N/A	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**
2	Ash Slide Landfill Access Road	**N/A**	**N/A**	N/A	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**	N/A	**N/A**

Notes:
1) Water treatment costs not currently accounted for.
2) Assumes all CCR has previously been removed from Cell.

Major Location	Barr Engineering Location	High	Low	Average
BEC 3	Old Fly Ash Pond	32,100,000.00	12,900,000.00	22,500,000.00
BEC 3 Total				**22,500,000.00**
BEC Common	Loop Track	17,000,000.00	15,000,000.00	16,000,000.00
BEC Common	Hibbing Ash Cell	4,200,000.00	2,300,000.00	3,250,000.00
BEC Common	Industrial Solid Waste Facility	6,800,000.00	5,000,000.00	5,900,000.00
BEC Common Total				**25,150,000.00**
Laskin	Cell A	9,700,000.00	7,800,000.00	8,750,000.00
Laskin	Dump Area Southesat of Cell D	14,700,000.00	8,100,000.00	11,400,000.00
Laskin Total				20,150,000.00
Grand Total				**67,800,000.00**

PART OF BURNS & McDONNELL

BISON WIND DECOMMISSIONING PLAN

MINNESOTA POWER

BISON WIND ENERGY CENTER
175258

August 16, 2024

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TABLES

LIST OF ABBREVIATIONS

Abbreviation	Term/Phrase/Name
1898 & Co.	1898 & Co. part of Burns & McDonnell Company Inc.
BMPs	Best management practices
kV	Kilovolt
MW	Megawatt
NDAC	North Dakota Administrative Code
O&M	Operations and maintenance
Project	Bison Wind Energy Center
Study	Decommissioning Cost Evaluation
SWT	Siemens Wind Turbine

1.0 Executive Summary

1.1 Introduction

1898 & Co., a part of Burns & McDonnell Engineering Company, Inc. (hereinafter called "1898 & Co."), was retained by Minnesota Power to conduct a decommissioning cost evaluation ("Study") for the Bison Wind Energy Center ("Project"). A prior study was provided for the Project in 2019. The objective of the Study was to provide an update to the recommendation regarding the decommissioning plan for retiring the facility at the end of its useful life.

1.2 Project Overview

The Project is located in Morton and Oliver Counties, 40 miles northwest of Bismarck, North Dakota. The Project includes four phases with a total nameplate capacity of approximately 496.6 megawatts ("MW"). Details of the four phases are provided in the following table.

Table 1-1: Project Phase Summary

Phase	Turbines	Commercial Operation Date
1	16 x SWT-2.3-101	Dec. 8, 2010
	15 x SWT-3.0-101	Jan. 31, 2012
2	35 x SWT-3.0-101	Dec. 18, 2012
3	35 x SWT-3.0-101	Dec. 18, 2012
4	64 x SWT-3.2-113	Jan. 16, 2015

The overall Project configuration that was used as the basis for this Study is shown in Appendix B.

1.3 Methodology

When it is determined that the Project should be retired, the above-grade steel structures and turbine nacelles are assumed to have significant scrap value to a salvage contractor, offsetting a portion of the cost to remove these items. However, in accordance with 69-09-09-06 subsection 3.b of the North Dakota Administrative Code ("NDAC"), a cost estimate has also been provided with scrap metal being hauled to and disposed of at the landfill. The Project will also incur costs for removal and disposal of the blades, foundations, and other Project facilities as well as for the restoration of the site following the removal of salvageable equipment.

The decommissioning cost estimates provided herein include the costs to return the site to a condition compatible with the surrounding land, similar to the conditions that existed before development of the Project. Included are the costs to retire the power generating equipment that is part of the Project as well as the costs to retire the Project's balance-of-plant facilities. All equipment, structures, and supporting facilities are assumed to be removed to a depth of (3) three feet below grade in accordance with the NDAC and all cables removed to a depth of two (2) feet.

1.4 Results

The total cost to decommission each phase of the Project at the end of its useful life, based on the assumptions noted herein, is presented in the table below, both including and excluding scrap credit. It is expressly noted that while costs are presented both in total and per turbine, a change in the quantity of turbines may not cause the total decommissioning cost to increase or decrease linearly by the per turbine cost due to non-scalable differences in balance-of-plant costs and other similar factors. A detailed breakdown of these costs is provided in Appendix A.

Table 1-2: Decommissioning Cost Summary (2024$)

Phase	Excluding Scrap Credit		Including Scrap Credit	
	Total Net Cost	Cost per Turbine	Total Net Cost	Cost per Turbine
1	$5,618,325	$181,236	$921,875	$29,738
2	$5,642,475	$161,214	$556,133	$15,890
3	$5,962,175	$170,348	$666,533	$19,044
4	$10,531,125	$164,549	$652,483	$10,195
TOTAL	**$27,754,100**	**$168,207**	**$2,797,025**	**$16,952**

1.5 Site Visit

1898 & Co did not visit the Project Site as part of this Study. The contents of this evaluation are based exclusively upon desktop analysis by 1898 & Co.

2.0 Project Overview

2.1 Project Summary

1898 & Co. was retained by Minnesota Power to conduct a decommissioning cost evaluation for the Bison Wind Energy Center. 1898 & Co. provided a decommissioning cost evaluation for the Project in 2019. The objective of the Study was to provide an updated evaluation regarding the decommissioning cost and plan for retiring the facility at the end of its useful life.

The Project is located in Morton and Oliver Counties, approximately 40 miles northwest of Bismarck, North Dakota. The Project includes four phases as depicted in the table below and has a total nominal capacity of approximately 496.6 MW.

Table 2-1: Project Phase Summary

Phase	Turbines	Commercial Operation Date
1	16 x SWT-2.3-101	Dec. 8, 2010
	15 x SWT-3.0-101	Jan. 31, 2012
2	35 x SWT-3.0-101	Dec. 18, 2012
3	35 x SWT-3.0-101	Dec. 18, 2012
4	64 x SWT-3.2-113	Jan. 16, 2015

2.2 Project Facilities

The following sections provide an overview of the Project facilities.

2.2.1 Wind Turbines

The Project consists of three Siemens wind turbine generator models. There are a total of 165 turbines. The specifics of the different models are provided below.

- Phase 1 includes 16 Siemens Wind Turbine ("SWT") SWT-2.3-101 wind turbine generators and 15 SWT-3.0- 101 wind turbine generators. These 31 turbines have a nominal rating of approximately 82 MW. Both models consist of a tapered tubular steel tower, with the turbine nacelle mounted at the top. The nacelle of each turbine includes three blades that are 49 meters in length and mounted to the nacelle rotor.
- Phase 2 and Phase 3 each include 35 SWT-3.0-101 wind turbine generators, with each phase having a nominal rating of 105 MW. This turbine model has the same characteristics as those installed at Phase 1, as noted in the preceding bullet.
- Phase 4 includes 64 SWT-3.2-113 wind turbine generators that have a combined nominal rating of 204.8 MW. Each turbine consists of a tapered tubular steel tower, with the turbine nacelle mounted at the top. The nacelle of each turbine includes three blades that are 55 meters in length and mounted to the nacelle rotor.

Dimensions for each part of the three models are included in the table below. All turbines were assumed to be fully removed as a part of this Study.

Table 2-2: Turbine Model Details

Turbine Model	Turbine Count	Hub Height (m)	Rotor Diameter (m)	Blade Length (m)
SWT 2.3-101	16	80	101	49
SWT 3.0-101	85	80	101	49
SWT 3.2-113	64	92.5	113	55

2.2.2 Wind Turbine Foundations

Each wind turbine tower is supported by a concrete foundation. The foundations for the different Siemens turbine models were based on issued-for-construction design drawings provided by Minnesota Power. They consist of below-grade concrete pedestals that are supported by an octagonal, sloped base. The table below includes the dimensions of the foundations for the four phases of the Project.

Table 2-3: Turbine Foundation Dimensions (ft)

Phase	Pedestal Diameter	Pedestal Height	Base Bottom Diameter	Base Height
1	17	5	60	5
2	18	4.5	58	5.5
3	18	4.5	58	5.5
4	18	4	60.5	6.67

As required by the NDAC, all underground facilities for the Project will be decommissioned to a depth of three (3) feet below grade. Thus, all foundations will be removed to a depth of three (3) feet as part of the decommissioning; the remaining foundation will be backfilled and left in place.

2.2.3 Access Roads

Each wind turbine includes an access road for vehicle access to facilitate inspections and maintenance of the turbines and associated equipment during operation. Access roads were assumed to be crushed rock surfaced roads with a final width of 20 feet and a depth of 6 inches. Access road lengths for each phase were provided by Minnesota Power and are listed in the table below. Further, access roads at Phases 2, 3, and 4 of the Project were assumed to have compacted earthen shoulders on each side at the widths shown below. These shoulders were assumed to be removed as part of this study, including decompaction and re-seeding.

Table 2-4: Site Access Road Dimensions

Phase	Road Length (mi)	Road Width (ft)	Road Depth (in)	Shoulder Width (ft)
1	14.7	20	6	None
2	15.5	20	6	7
3	17.7	20	6	7
4	32.4	20	6	8

All crushed rock surfacing will be removed from the Project's access roads. The removed crushed rock will be loaded into dump trucks and hauled offsite. Areas where crushed rock surfacing has been removed will be fine graded to provide suitable drainage. In right-of-way and non-agricultural areas, the ground will be seeded to prevent erosion.

2.2.4 Collection System

Each wind turbine generates three-phase electrical power that is transformed to 34.5 kilovolts ("kV") via a transformer located in the nacelle of each wind turbine. Power from each transformer is delivered through one of the Project's underground power collection circuits to the on-site collector substations.

All cables were assumed to be buried at a minimum depth of two (2) feet below grade. At this depth, all cables (including both power and communication cabling) are assumed to remain in place after the Project is decommissioned as they exceed the depth requirement set forth in the NDAC. As such, the only costs incurred in the Study from the collection system will be the removal and disposal of the above-grade junction boxes and transformers in the nacelles. However, if the demolition contractor deems the salvageable value of the collector system cabling to be greater than the cost for removal, the contractor may elect to remove the cabling at its own cost.

2.2.5 Project Substation

The Project site includes an underground electrical power collection system that collects the electrical power from the wind turbines and routes it to the Bison substation; Phase 4 of the Project also routes power to the Tri-County substation. Both the Bison substation and Tri-County substation increase voltage from 34.5 kV to 230 kV. Equipment in each substation is supported on concrete piers or concrete pads. Both substations are surrounded by a perimeter fence, and the area inside the fence is surfaced with crushed rock.

The Bison substation contains typical equipment including four (4) main power transformers, breakers, disconnect switches, lighting masts, busbars, a control building, and other ancillary equipment. Tri-County substation includes one (1) main power transformer, breakers, disconnect switches, lightning masts, busbars, a control building, and other ancillary equipment.

All above-grade equipment within the perimeter fence of each substation will be removed as part of decommissioning. All below-grade equipment and foundations associated with each substation, including piers and pads, will be removed to a depth of three (3) feet below grade in accordance with the NDAC. Voids left from the removal of the below-grade foundations will be backfilled with surrounding soils and fine graded to provide suitable drainage.

2.2.6 Transmission Line

The Project output is transformed to 230 kV at the on-site collector substations. The Project is interconnected to the local utility through a 230-kV transmission line. This transmission line is assumed to remain in place following the decommissioning of the Project.

2.2.7 Maintenance/Warehouse Facility

The Project includes three operations and maintenance ("O&M") buildings; removal of each is included in this Study. The following table presents the dimensions of each O&M building.

Table 2-5: O&M Facility Dimensions

O&M Facility	Dimensions
1	100' x 72' x 15'
2	92' x 60' x 15'
3	30' x 56' x 12'

Each O&M building is assumed to consist of a pre-engineered metal building on a concrete slab foundation. It is assumed that each O&M building has a 6-inch-thick concrete foundation. Crushed rock is assumed to cover the surrounding area of the O&M facility, extending approximately 10 feet away from each side of the building.

All above-grade equipment within the area of the O&M facility will be removed as part of decommissioning, including the building, crushed rock surfacing, and fencing. All salvageable materials will be loaded onto trucks and hauled to a scrap yard for recycling. All other materials will be loaded onto trucks and hauled to a local landfill for disposal.

All below-grade equipment and foundations associated with the building will be removed to a depth of three (3) feet below grade in accordance with the NDAC. Voids left from the removal of the below-grade foundations / structures will be backfilled with surrounding soils and fine graded to provide suitable drainage.

2.2.8 Meteorological Equipment

Wind data is measured on-site using four (4) meteorological towers. The towers are permanent, free-standing, 80-meter-tall lattice-type towers on a concrete foundation. These towers were assumed to be fully removed as part of this Study.

All above-grade equipment associated with each tower will be removed as part of decommissioning. All below-grade equipment and foundations associated with the towers will be removed to a depth of three (3) feet below grade in accordance with the NDAC. Voids left from the removal of the below-grade foundations will be backfilled with surrounding soils and fine graded to provide suitable drainage.

3.0 Decommissioning

3.1 Decommissioning Plan

When it is determined that the Project should be retired, the Project equipment will be removed as noted herein. It is was assumed that the Project will incur costs for removal and disposal of the wind turbines, wind turbine foundations, and other Project facilities, as well as for the restoration of the site following the removal of equipment. However, the above-grade steel, aluminum, and copper equipment is expected to have significant scrap value to a salvage contractor that will offset some decommissioning costs. All recyclable materials will be recycled to the extent possible, while all other non-recyclable waste materials will be disposed of in accordance with state and federal law.

The wind turbine blades will be removed from the nacelle using a crane, cut into manageably-sized sections, loaded onto a trailer, and hauled to a local landfill for disposal. The wind turbine blades are constructed from a composite material that is was assumed to have no salvage value at the time of decommissioning. The turbine nacelles will be removed from the towers with a crane and loaded onto a trailer. The towers will be disassembled and loaded onto a trailer as well. The nacelle and towers typically will then be hauled off to a scrap yard for recycling. The cost estimate presented in this report that includes scrap includes the cost to haul the turbines and nacelles to the scrap yard, whereas the cost estimate that excludes scrap assumes all salvageable equipment will be hauled to a landfill for disposal.

All concrete wind turbine foundations will be removed to a depth of three (3) feet below grade in accordance with the NDAC; the portions of the foundation that are greater than three (3) feet below grade will be abandoned in place. The recovered concrete will be demolished, loaded into a dump truck, and hauled to a local landfill for disposal. Voids left from the removal of the concrete footings will be backfilled with surrounding subsoil and topsoil and fine graded to provide suitable drainage.

The Project substation will be removed from the site, including all above-grade equipment (e.g., transformers, breakers, busbars), buildings, crushed rock surfacing, and fencing. The cost estimate presented in this report that includes scrap includes the cost to haul the salvageable equipment to the scrap yard, whereas the cost estimate that excludes scrap assumes all salvageable equipment will be hauled to a landfill for disposal. All below-grade equipment (e.g., foundations) will be removed to a depth of three (3) feet below grade in accordance with the NDAC.

All crushed rock surfacing will be removed from the Project's access roads. Areas where crushed rock surfacing has been removed will be fine graded to provide suitable drainage. In right-of-way and non-agricultural areas, the ground will be seeded to prevent erosion. The removed crushed rock will be loaded into dump trucks and hauled offsite. Crushed rock can be recycled and reused and typically has a salvage value as a commodity equal to or greater than the cost to haul to an end user. However, for the purpose of this Study, the cost to remove the crushed rock, load it into dump trucks, and haul it offsite will be at the expense of the Project.

Prior to commencing activities associated with foundation removal, crushed rock surfacing removal, or any other earthwork, an approved erosion control plan will need to be developed by the demolition contractor. Best management practices ("BMPs") applicable at the time that decommissioning activities occur will need to be implemented by the contractor for control of storm water runoff. Since decommissioning activities are not anticipated to occur for 20 years or more, BMPs may differ from current standards. However, if decommissioning takes place in the near future, Burns & McDonnell would anticipate BMPs such as silt fencing and proper compaction, seeding, and mulching practices to be implemented. BMPs will need to be reviewed by the contractor prior to commencing decommissioning activities to determine appropriate BMPs at that time. To the extent necessary, permits relating to decommissioning activities will need to be obtained. The costs included in this Study are expected to be sufficient for a demolition contractor to develop suitable plans for the control of surface water drainage and water accumulation and, where appropriate, for backfilling, soil stabilization, compacting, and grading prior to commencing demolition activities.

All disturbed areas at the site will be returned to as close to predevelopment conditions as possible. This will allow all land disturbed by the construction of the Project to be returned to its predevelopment use at the end of the useful life of the Project. The cost estimates provided in the following section include activities and costs to return the land to a condition suitable for agricultural use subsequent to decommissioning of the Project.

The activities associated with the decommissioning plan described above are anticipated to be completed within a 6-month timeframe, according to the following estimated schedule:

- Decommissioning Planning & Permitting: 2 months
- Demolition: 3 months
- Site Restoration: 1 month

Additional time may be required for post-decommissioning activities, including monitoring of new vegetation. However, this timetable and the cost estimates below should provide sufficient time and budget to comply with any applicable health and safety regulations.

3.2 Decommissioning Costs

The total cost to decommission each phase of the Project at the end of its useful life, based on the assumptions noted herein, is presented in the table below, both including and excluding scrap credit. It is expressly noted that while costs are presented both in total and per turbine, a change in the quantity of turbines may not cause the total decommissioning cost to increase or decrease linearly by the per turbine cost due to non-scalable differences in balance-of-plant costs and other similar factors. A detailed breakdown of these costs is provided in Appendix A.

Table 3-1: Decommissioning Cost Summary (2024$)

Phase	Excluding Scrap Credit		Including Scrap Credit	
	Total Net Cost	Cost per Turbine	Total Net Cost	Cost per Turbine
1	$5,618,325	$181,236	$921,875	$29,738
2	$5,642,475	$161,214	$556,133	$15,890
3	$5,962,175	$170,348	$666,533	$19,044
4	$10,531,125	$164,549	$652,483	$10,195
TOTAL	**$27,754,100**	**$168,207**	**$2,797,025**	**$16,952**

3.3 Decommissioning Assumptions

In addition to other assumptions noted herein, the following general assumptions were utilized for the study's decommissioning cost estimates.

1. All costs are presented in current (2024) dollars using the site cost index of 97.6% for Bismarck, North Dakota.
2. The decommissioning estimate is based on details and equipment defined through conversations with and documentation provided by Minnesota Power.
3. An offsite landfill is assumed to be used for disposal of demolition waste. Based on discussions with a local landfill, Bismarck Landfill, the cost for the disposal of debris is $55 per ton and there is no cost for clean and approved concrete. The hauling distance to this landfill is approximately 60 miles from the Project site.
4. In accordance with 69-09-09-06 subsection 3.b of the NDAC, this estimate presents costs including and excluding credit for salvage value of equipment with significant steel, aluminum, or copper materials.
5. Where applicable, scrap values are based upon an average of monthly American Metal Market prices for July 2023 through June 2024 (i.e., one calendar year). These values include the cost to haul the scrap via truck and/or rail to the major market which provides the best price. Based on hauling and rail prices, the best market at the time of this Study is Chicago, Illinois. Prices used include:
    a. Steel scrap value is $222.91 per net ton.
    b. Copper scrap value is $3.00 per pound.
    c. Aluminum scrap value is $0.37 per pound.
6. Fluids located within the turbine nacelle, including oils, fuels, solvents and process chemicals, were assumed to be drained and disposed of offsite as part of the decommissioning.
7. It was assumed that all containers and chemical storage tanks owned by the Project will be drained and the material disposed of prior to demolition; these costs are excluded from the estimate.
8. Effects on present natural resource development was minimized in installation of the facilities, and any expected effects on future natural resource development will be negligible as the intent of the decommissioning plan is to return the site to a condition compatible with the surrounding land, similar to the conditions that existed before development of the facilities.
9. Minnesota Power is an "electric public utility" as defined by subsection 2 of North Dakota Century Code section 49-03-01.5, and will provide a self-guarantee, as allowed by subsection 5.b.(3) of NDAC section 69-09-09-08.

10. All underground equipment (excluding cables) will be removed to a depth of three (3) feet below grade in accordance with the NDAC. All non-hazardous structures or foundations greater than three (3) feet below grade will remain and are excluded from the decommissioning estimate.
11. Collector and communication cables are assumed to be located at least two (2) feet below grade and will be left in place.
12. Access roads, parking areas, storage yards, crane pads, and all other areas constructed from asphalt, concrete, gravel, or compactable fill will be removed, recycled, and reclaimed.
13. Crushed rock from roads, balance-of-plant areas, and turbine foundation areas typically has a salvage value as a commodity equal to or greater than the cost to haul to an end user. For the purpose of this Study, in the cost estimate that excludes scrap credit, all crushed rock is assumed to be dumped into the landfill at the expense of the Project. In the estimate that includes scrap credit, it is assumed a local municipality will accept the crushed rock for beneficial use at no cost to the Project. In both estimates, the cost to remove the crushed rock, load it into dump trucks, and haul it from the Project site has been included at the expense of the Project.
14. Waste material and crushed concrete will be properly disposed of offsite.
15. Landowner agreements state that the area will be restored to substantially the same physical condition that existed immediately before construction. Therefore, it is assumed that all Project-specific access roads, fences, gates, and buildings will be removed as part of the decommissioning. Additionally, disturbed areas will be restored to original grade, reclaimed with native soils, seeded, and replanted with native vegetation consistent with surrounding land use.
16. Transformers will be removed and processed on-site. The cost to drain and dispose of transformer oil off-site is included in the decommissioning cost estimate.
17. The pad-mount transformers for the Siemens turbines are assumed to contain oil for cooling.
18. The Bison substation has four (4) transformers, and the Tri-County substation has one (1) transformer that are to be removed. The removal and salvage of these oil-filled transformers is included in the decommissioning cost estimate, including the cost to drain and dispose of the oil within each.
19. The removal of Bison substation and Tri-County substation equipment is included in the decommissioning cost estimate. The Bison substation removal costs are allocated across the four phases of the Project, and the Tri-County substation removal costs are included with Phase 4 costs.
20. The Project’s 230-kV transmission line is assumed to remain in place.
21. The removal costs of O&M buildings were assumed to be evenly allocated to each of the four phases of the Project.

22. The Project laydown yard utilized during construction of the Project was assumed to have been previously reclaimed and restored; no further grading, seeding, or other restoration of the laydown yard is included in this estimate.
23. Cost estimates include 5 percent indirects and 10 percent contingency.
24. Market conditions may result in cost variations at the time of contract execution.

4.0 Certification

I certify, as a Professional Engineer in the state of North Dakota, that the information presented in this report was assembled under my direct personal charge, is an accurate representation of the anticipated decommissioning costs for the Bison Wind Energy Center, subject to the assumptions and limitations presented herein, and that this report contains no intentional false statements or misrepresentations.

Jeffery L. Pope, P.E. (ND – PE-28905)

Date: August 23, 2024

REGISTERED PROFESSIONAL ENGINEER
JEFFERY L.
POPE
PE-28905
DATE __________
NORTH DAKOTA

APPENDIX A – COST ESTIMATE SUMMARIES

Table A-1: Estimated Cost for Wind Turbine Decommissioning (2024$)

Bison Wind Farm Wind Project

Decommissioning Cost Evaluation

	Phase 1	Phase 2	Phase 3	Phase 4	TOTAL
Wind Turbine Removal Cost					
Removal	$ 1,826,000	$ 1,657,000	$ 1,657,000	$ 2,818,000	$ 7,958,000
Hauling & Disposal	$ 650,000	$ 710,000	$ 710,000	$ 1,342,000	$ 3,412,000
Total	**$ 2,476,000**	**$ 2,367,000**	**$ 2,367,000**	**$ 4,160,000**	**$ 11,370,000**
Wind Turbine Foundation Removal Cost					
Removal	$ 106,000	$ 133,000	$ 133,000	$ 244,000	$ 616,000
Hauling & Disposal	$ 105,000	$ 133,000	$ 133,000	$ 242,000	$ 613,000
Total	**$ 211,000**	**$ 266,000**	**$ 266,000**	**$ 486,000**	**$ 1,229,000**
Substation Removal Cost					
Removal	$ 58,000	$ 58,000	$ 58,000	$ 109,000	$ 283,000
Hauling & Disposal	$ 9,000	$ 8,000	$ 8,000	$ 24,000	$ 49,000
Total	**$ 67,000**	**$ 66,000**	**$ 66,000**	**$ 133,000**	**$ 332,000**
Civil Works Removal Cost					
Removal	$ 297,000	$ 313,000	$ 352,000	$ 617,000	$ 1,579,000
Hauling & Disposal	$ 1,518,250	$ 1,612,250	$ 1,830,250	$ 3,324,250	$ 8,285,000
Grading & Seeding Costs	$ 152,500	$ 161,500	$ 182,500	$ 327,500	$ 824,000
Total	**$ 1,967,750**	**$ 2,086,750**	**$ 2,364,750**	**$ 4,268,750**	**$ 10,688,000**
O&M Facility Removal					
Removal	$ 33,750	$ 33,750	$ 33,750	$ 33,750	$ 135,000
Hauling & Disposal	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 60,000
Total	**$ 48,750**	**$ 48,750**	**$ 48,750**	**$ 48,750**	**$ 195,000**
Met Tower Removal					
Removal	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 32,000
Total	**$ 8,000**	**$ 8,000**	**$ 8,000**	**$ 8,000**	**$ 32,000**
Other Costs					
Oils & Chemicals Removal & Disposal	$ 107,000	$ 64,000	$ 64,000	$ 53,000	$ 288,000
Total	**$ 107,000**	**$ 64,000**	**$ 64,000**	**$ 53,000**	**$ 288,000**
Total Estimated Cost	**$ 4,885,500**	**$ 4,906,500**	**$ 5,184,500**	**$ 9,157,500**	**$ 24,134,000**
Owner Indirects (5%)	**$ 244,275**	**$ 245,325**	**$ 259,225**	**$ 457,875**	**$ 1,206,700**
Contingency (10%)	**$ 488,550**	**$ 490,650**	**$ 518,450**	**$ 915,750**	**$ 2,413,400**
Total Net Cost	**$ 5,618,325**	**$ 5,642,475**	**$ 5,962,175**	**$ 10,531,125**	**$ 27,754,100**

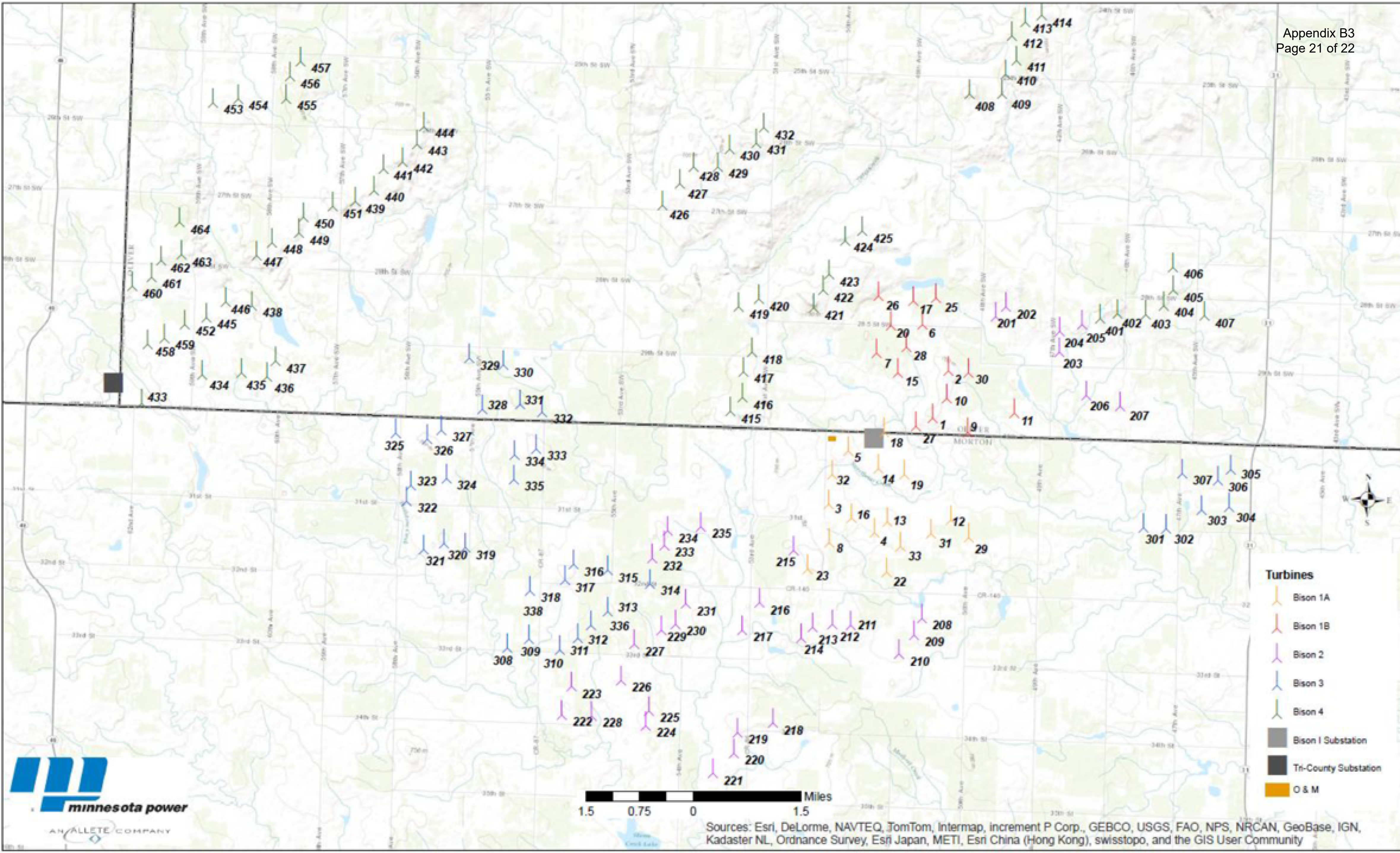
Table A-2: Estimated Cost for Wind Turbine Decommissioning (2024$)

Bison Wind Farm Wind Project

Decommissioning Cost Evaluation

Wind Turbine Removal Cost	Phase 1	Phase 2	Phase 3	Phase 4	TOTAL
Removal	$ 1,813,000	$ 1,657,000	$ 1,657,000	$ 2,818,000	$ 7,945,000
Hauling & Disposal	$ 210,000	$ 224,000	$ 224,000	$ 426,000	$ 1,084,000
Total	**$ 2,023,000**	**$ 1,881,000**	**$ 1,881,000**	**$ 3,244,000**	**$ 9,029,000**
Scrap Value	**$ (2,637,000)**	**$ (2,905,000)**	**$ (2,905,000)**	**$ (5,467,000)**	**$ (13,914,000)**
Wind Turbine Foundation Removal Cost					
Removal	$ 106,000	$ 133,000	$ 133,000	$ 244,000	$ 616,000
Hauling & Disposal	$ 105,000	$ 133,000	$ 133,000	$ 242,000	$ 613,000
Total	**$ 211,000**	**$ 266,000**	**$ 266,000**	**$ 486,000**	**$ 1,229,000**
Substation Removal Cost					
Removal	$ 58,000	$ 58,000	$ 58,000	$ 109,000	$ 283,000
Hauling & Disposal	$ 5,000	$ 5,000	$ 5,000	$ 16,000	$ 31,000
Total	**$ 63,000**	**$ 63,000**	**$ 63,000**	**$ 125,000**	**$ 314,000**
Scrap Value	**$ (87,500)**	**$ (87,500)**	**$ (87,500)**	**$ (176,500)**	**$ (439,000)**
Civil Works Removal Cost					
Removal	$ 297,000	$ 313,000	$ 352,000	$ 617,000	$ 1,579,000
Hauling & Disposal	$ 279,250	$ 294,250	$ 330,250	$ 579,250	$ 1,483,000
Grading & Seeding Costs	$ 152,500	$ 161,500	$ 182,500	$ 327,500	$ 824,000
Total	**$ 728,750**	**$ 768,750**	**$ 864,750**	**$ 1,523,750**	**$ 3,886,000**
O&M Facility Removal					
Removal	$ 35,636	$ 35,636	$ 35,636	$ 35,636	$ 142,544
Hauling & Disposal	$ 12,425	$ 12,425	$ 12,425	$ 12,425	$ 49,701
Total	**$ 48,061**	**$ 48,061**	**$ 48,061**	**$ 48,061**	**$ 192,246**
Scrap Value	**$ (13,000)**	**$ (13,000)**	**$ (13,000)**	**$ (13,000)**	**$ (52,000)**
Met Tower Removal					
Removal	$ 8,000	$ 8,000	$ 8,000	$ 8,000	$ 32,000
Total	**$ 8,000**	**$ 8,000**	**$ 8,000**	**$ 8,000**	**$ 32,000**
Scrap Value	**$ (2,000)**	**$ (2,000)**	**$ (2,000)**	**$ (2,000)**	**$ (8,000)**
Other Costs					
Oils & Chemicals Removal & Disposal	$ 101,993	$ 64,000	$ 64,000	$ 53,000	$ 282,993
Total	**$ 101,993**	**$ 64,000**	**$ 64,000**	**$ 53,000**	**$ 282,993**
Total Estimated Cost	**$ 3,183,804**	**$ 3,098,811**	**$ 3,194,811**	**$ 5,487,811**	**$ 14,965,239**
Owner Indirects (5%)	**$ 159,190**	**$ 154,941**	**$ 159,741**	**$ 274,391**	**$ 748,262**
Contingency (10%)	**$ 318,380**	**$ 309,881**	**$ 319,481**	**$ 548,781**	**$ 1,496,524**
Total Gross Cost	**$ 3,661,375**	**$ 3,563,633**	**$ 3,674,033**	**$ 6,310,983**	**$ 17,210,025**
Total Scrap Value	**$ (2,739,500)**	**$ (3,007,500)**	**$ (3,007,500)**	**$ (5,658,500)**	**$ (14,413,000)**
Total Net Cost	**$ 921,875**	**$ 556,133**	**$ 666,533**	**$ 652,483**	**$ 2,797,025**

APPENDIX B - SITE LAYOUT


Turbines
Bison 1A
Bison 1B
Bison 2
Bison 3
Bison 4
Bison I Substation
Tri-County Substation
O & M
Miles
1.5 0.75 0 1.5
minnesota power
AN ALLETE COMPANY
Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

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STATE OF MINNESOTA)
)ss
COUNTY OF ST. LOUIS)

AFFIDAVIT OF SERVICE VIA ELECTRONIC FILING

Tiana Heger of the City of Duluth, County of St. Louis, State of Minnesota, says that on the 24th day of September, 2024, she served Minnesota Power's Initial Filing of its 2024 Remaining Life Depreciation Petition in **Docket No. E015/D-24-_____** on the Minnesota Public Utilities Commission and the Energy Resources Division of the Minnesota Department of Commerce via electronic filing. The persons on E-Docket's Official Service List for this Docket were served as requested.

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Tiana Heger