

EXHIBIT LIST FOR  
MANITOBA HYDRO

May 8, 2023

**MANITOBA HYDRO (MH) Exhibits**

Ex. #	MH-1	Manitoba Hydro 2023/24 & 2024/25 General Rate Application, and Cover Letter - November 15, 2022
Ex. #	MH-2	MH letter to PUB re: Manitoba Hydro's 2023/24 & 2024/25 General Rate Application Amendments - November 29, 2022
Ex. #	MH-3	MH letter to PUB re: Comments on Applications for Intervener Status for Manitoba Hydro's 2023/24 and 2024/25 General Rate Application - November 30, 2022
Ex. #	MH-4	Pre-Hearing Conference Presentation - December 5, 2022
Ex. #	MH-5	MH letter to PUB re: Amended Application Materials and Minimum Filing Requirements - December 9, 2022
Ex. #	MH-6	MH letter to PUB re: Manitoba Hydro's 2023/24 & 2024/25 General Rate Application Phase II - December 21, 2022
Ex. #	MH-7	MH letter to PUB re: Phase 1 Round I Information Requests - January 9, 2023
Ex. #	MH-8	MH letter to PUB re: Reply to Intervener on Round I IRs - January 16, 2023
Ex. #	MH-9	MH letter to PUB re: Manitoba Hydro's 2023/24 & 2024/25 General Rate Application - Corrections - February 2, 2023
Ex. #	MH-10	MH letter to PUB re: Round 1 Information Request Responses - February 3, 2023
Ex. #	MH-11	MH Reply to Coalition Motion on Round I Information Request Responses - February 13, 2023
Ex. #	MH-12	Manitoba Hydro 2023/24 & 2024/25 General Rate Application - Revised Round I IR Response February 13, 2023
Ex. #	MH-13	Manitoba Hydro 2023/24 & 2024/25 General Rate Application - Update to MIPUG-MH I-10b I IR Response February 14, 2023
Ex. #	MH-14	Manitoba Hydro 2023/24 & 2024/25 General Rate Application - Updated Round I IR Responses February 21, 2023
Ex. #	MH-15	Manitoba Hydro 2023/24 & 2024/25 General Rate Application - Updated Coalition-MH I-91 IR Response - March 1, 2023
Ex. #	MH-16	Manitoba Hydro 2023/24 & 2024/25 General Rate Application - Updated PUB-MH I-74a-b IR Response - March 3, 2023
Ex. #	MH-17	MH letter to PUB re: MH Responses to Round II Information Requests - March 10, 2023
Ex. #	MH-18	MH letter to PUB re: Comments for Second Pre Hearing Conference - April 5, 2023

Ex. #	MH-19	<b>MH-CC Intervener Evidence Information Requests (1-29) - April 14, 2023</b>			
Ex. #	MH-19-1	"	"	"	Derksen - Retainer Letter
Ex. #	MH-19-2	"	"	"	Derksen - Contributors
Ex. #	MH-19-3	"	"	"	Derksen - Consulting Services
Ex. #	MH-19-4	"	"	"	Derksen - Other jurisdictions
Ex. #	MH-19-5	"	"	"	Derksen - RCC
Ex. #	MH-19-6	"	"	"	Derksen - Net Export Revenue
Ex. #	MH-19-7	"	"	"	Derksen - COS Study
Ex. #	MH-19-8	"	"	"	Derksen - Water Rentals
Ex. #	MH-19-9	"	"	"	Derksen - Table 12 references
Ex. #	MH-19-10	"	"	"	Derksen - Public Acceptability
Ex. #	MH-19-11	"	"	"	Derksen - forecast NER
Ex. #	MH-19-12	"	"	"	Derksen - Marginal Costs
Ex. #	MH-19-13	"	"	"	Midgard - Retainer Letter
Ex. #	MH-19-14	"	"	"	Midgard - Contributors
Ex. #	MH-19-15	"	"	"	Midgard - Overbuilt
Ex. #	MH-19-16	"	"	"	Midgard - Staffing increases
Ex. #	MH-19-17	"	"	"	Midgard - Capital Planning
Ex. #	MH-19-18	"	"	"	Midgard - Assets
Ex. #	MH-19-19	"	"	"	Colaiacovo - Contributors
Ex. #	MH-19-20	"	"	"	Colaiacovo - Retainer Letter
Ex. #	MH-19-21	"	"	"	Rainkie - Retainer Letter
Ex. #	MH-19-22	"	"	"	Rainkie - Contributors
Ex. #	MH-19-23	"	"	"	Rainkie - Government Business Enterprise (GBE)

Ex. #	MH-19-24	"	"	"	"	Rainkie - Figures 64-65 Concentric Energy Advisors Inc. Cost of Capital Estimation Evidence
Ex. #	MH-19-25	"	"	"	"	Rainkie - Cumulative Inflation calculation
Ex. #	MH-19-26	"	"	"	"	Rainkie - Cumulative Average Growth Rate Calculation
Ex. #	MH-19-27	"	"	"	"	Rainkie - Cumulative Inflation - 12.9%
Ex. #	MH-19-28	"	"	"	"	Rainkie - Consulting Services
Ex. #	MH-19-29	"	"	"	"	Rainkie - Other jurisdictions
Ex. #	MH-20	<b>MH-GSS-GSM Intervener Evidence Information Requests (1-3) - April 14, 2023</b>				
Ex. #	MH-20-1	"	"	"	"	Retainer letter
Ex. #	MH-20-2	"	"	"	"	Contributors
Ex. #	MH-20-3	"	"	"	"	ALG with true up
Ex. #	MH-21	<b>MH-MIPUG Intervener Evidence Information Requests (1-7) - April 14, 2023</b>				
Ex. #	MH-21-1	"	"	"	"	MIPUG Members
Ex. #	MH-21-2	"	"	"	"	Contributors
Ex. #	MH-21-3	"	"	"	"	Retainer letter
Ex. #	MH-21-4	"	"	"	"	Marginal Values
Ex. #	MH-21-5	"	"	"	"	Top 50 hours
Ex. #	MH-21-6	"	"	"	"	Recommendation 8 - Deferral
Ex. #	MH-21-7	"	"	"	"	Alliance IFRS-ASL
Ex. #	MH-22	MH letter re: Comments on P. Bowman Recommendation 4 - April 21, 2023				
Ex. #	MH-23	<b>MH-DEA Independent Expert Consultant Information Request (1) - April 21, 2023</b>				
Ex. #	MH-23-1	"	"	"	"	Export
Ex. #	MH-24	MH Rebuttal - May 5, 2023				

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MANITOBA HYDRO

May 8, 2023

**PUBLIC UTILITIES BOARD (PUB) Exhibits**

Ex. #	PUB-1	Public Notice - Manitoba Hydro 2023/24 & 2024/25 General Rate Application - November 15, 2022
Ex. #	PUB-2	PUB letter to MH and Past Interveners re MH 2023/24 and 2024/25 GRA Applications for Intervener Status and Pre-Hearing Conference - November 16, 2022
Ex. #	PUB-3	Board Order 130/22 - First Procedural Order in Respect of Manitoba Hydro's 2023/24 and 2024/25 General Rate Application - December 8, 2022
Ex. #	PUB-4	<b>PUB-MPI Round I Information Requests - December 13, 2022</b>
Ex. #	PUB-4-1	" " " " " 20-year forecast affected by provincial energy policy
Ex. #	PUB-4-2	" " " " " COVID-19 pandemic
Ex. #	PUB-4-3	" " " " " Response to Wall Report
Ex. #	PUB-4-4	" " " " " Bill 36 - Request for Proposals (RFP) - Integrated Resource Plan (IRP)
Ex. #	PUB-4-5	" " " " " Prosumers
Ex. #	PUB-4-6	" " " " " Off-grid norther communities
Ex. #	PUB-4-7	" " " " " Enterprise Excellence Division
Ex. #	PUB-4-8	" " " " " Enterprise Risk Management program
Ex. #	PUB-4-9	" " " " " Export Price Uncertainty risk
Ex. #	PUB-4-10	" " " " " Enterprise Scorecard
Ex. #	PUB-4-11	" " " " " Rate Increase for 2022/23
Ex. #	PUB-4-12	" " " " " Emergency site remediation - Two and Eight Channels
Ex. #	PUB-4-13	" " " " " Interest Capitalized
Ex. #	PUB-4-14	" " " " " Keeyask Hydropower Limited Partnership Agreement

Ex. #	PUB-4-15	"	"	"	"	"	KHLP Annual losses
Ex. #	PUB-4-16	"	"	"	"	"	Financial Forecast Scenario
Ex. #	PUB-4-17	"	"	"	"	"	Annualized Revenue Increase
Ex. #	PUB-4-18	"	"	"	"	"	MHEB Annual Report
Ex. #	PUB-4-19	"	"	"	"	"	Keeyask Project and US Tie-Lines burden on net income
Ex. #	PUB-4-20	"	"	"	"	"	Debt-to-capitalization
Ex. #	PUB-4-21	"	"	"	"	"	Uncertainty Analyses
Ex. #	PUB-4-22	"	"	"	"	"	Debt Management Strategy
Ex. #	PUB-4-23	"	"	"	"	"	20 year forecast - debt management strategy
Ex. #	PUB-4-24	"	"	"	"	"	Tab 4 - Appendix 4.5 Chart 3 / MFR 68 Comparison
Ex. #	PUB-4-25	"	"	"	"	"	Interest Rates
Ex. #	PUB-4-26	"	"	"	"	"	Capitalized Interest
Ex. #	PUB-4-27	"	"	"	"	"	Finance Expense - Debt Levels
Ex. #	PUB-4-28	"	"	"	"	"	SAP S/4HANA CCA
Ex. #	PUB-4-29	"	"	"	"	"	Impact to Net Income - Establishment and Amortization of SAP S/4HANA CCA Deferral
Ex. #	PUB-4-30	"	"	"	"	"	ELG Methodology
Ex. #	PUB-4-31	"	"	"	"	"	Figure 13 with ELG 20-year and 70-year phase in periods
Ex. #	PUB-4-32	"	"	"	"	"	Figure 6 and 14 ASL-ELG Deferral account based on CGAAP ASL
Ex. #	PUB-4-33	"	"	"	"	"	writing off deferral accounts
Ex. #	PUB-4-34	"	"	"	"	"	Sensitivity Analysis
Ex. #	PUB-4-35	"	"	"	"	"	Figure 4.36 - Tab 4 amendments
Ex. #	PUB-4-36	"	"	"	"	"	Appendix 4.1 updated figures
Ex. #	PUB-4-37	"	"	"	"	"	Cash flow chart
Ex. #	PUB-4-38	"	"	"	"	"	Efficiency Manitoba and electric load scenario

Ex. #	PUB-4-39	"	"	"	"	"	Electric Load Scenario
Ex. #	PUB-4-40	"	"	"	"	"	Selkirk Generating Station
Ex. #	PUB-4-41	"	"	"	"	"	Distribution Losses
Ex. #	PUB-4-42	"	"	"	"	"	Efficiency Manitoba 15 year plan
Ex. #	PUB-4-43	"	"	"	"	"	Solar PV
Ex. #	PUB-4-44	"	"	"	"	"	Curtailable Rate Program
Ex. #	PUB-4-45	"	"	"	"	"	MISO marketplace
Ex. #	PUB-4-46	"	"	"	"	"	State of the Market Report for MISO Electricity Markets
Ex. #	PUB-4-47	"	"	"	"	"	environmental attributes
Ex. #	PUB-4-48	"	"	"	"	"	AC Transmission
Ex. #	PUB-4-49	"	"	"	"	"	Daymark Report
Ex. #	PUB-4-50	"	"	"	"	"	Generation
Ex. #	PUB-4-51	"	"	"	"	"	Pumped Energy
Ex. #	PUB-4-52	"	"	"	"	"	Energy Information Administration (EIA)
Ex. #	PUB-4-53	"	"	"	"	"	Energy Prices
Ex. #	PUB-4-54	"	"	"	"	"	Gross Firm Energy and Gross Total Peak
Ex. #	PUB-4-55	"	"	"	"	"	Gross Firm Energy
Ex. #	PUB-4-56	"	"	"	"	"	econometric forecast for PLIL
Ex. #	PUB-4-57	"	"	"	"	"	Gross Total Peak
Ex. #	PUB-4-58	"	"	"	"	"	Drought Reserve Storage (DSR)
Ex. #	PUB-4-59	"	"	"	"	"	Water flows
Ex. #	PUB-4-60	"	"	"	"	"	Export Sales
Ex. #	PUB-4-61	"	"	"	"	"	Lower Nelson
Ex. #	PUB-4-62	"	"	"	"	"	Cost Element

Ex. #	PUB-4-63	"	"	"	"	"	OM&A by cost element
Ex. #	PUB-4-64	"	"	"	"	"	FTE
Ex. #	PUB-4-65	"	"	"	"	"	Employee Attrition
Ex. #	PUB-4-66	"	"	"	"	"	retirement
Ex. #	PUB-4-67	"	"	"	"	"	O&A Expense Comparison
Ex. #	PUB-4-68	"	"	"	"	"	O&A Expense Comparison 2021/22 Actual v. Forecast
Ex. #	PUB-4-69	"	"	"	"	"	Key performance indicators monitored by Corporations related to O&A Expenses
Ex. #	PUB-4-70	"	"	"	"	"	FTEs
Ex. #	PUB-4-71	"	"	"	"	"	FTEs by Business Unit
Ex. #	PUB-4-72	"	"	"	"	"	Operating Expenses
Ex. #	PUB-4-73	"	"	"	"	"	Operating Expenses Compensation Assumptions
Ex. #	PUB-4-74	"	"	"	"	"	OM&A
Ex. #	PUB-4-75	"	"	"	"	"	Budgeting process
Ex. #	PUB-4-76	"	"	"	"	"	Cost Element
Ex. #	PUB-4-77	"	"	"	"	"	Capitalized Labour
Ex. #	PUB-4-78	"	"	"	"	"	Employee Benefits
Ex. #	PUB-4-79	"	"	"	"	"	O&A Expenses between 2021/22 Interim and 2023/24 & 2024/25 GRA
Ex. #	PUB-4-80	"	"	"	"	"	Updated PUB-MH I-19(b) from 2019/20 Interim
Ex. #	PUB-4-81	"	"	"	"	"	Updated Tables - ASL Rates / ALG and ELG
Ex. #	PUB-4-82	"	"	"	"	"	Depreciation
Ex. #	PUB-4-83	"	"	"	"	"	Maintenance
Ex. #	PUB-4-84	"	"	"	"	"	Hydraulic weighted forced outage factors (HWFOF)
Ex. #	PUB-4-85	"	"	"	"	"	Transmission
Ex. #	PUB-4-86	"	"	"	"	"	HVDC Pole / Bipole

Ex. #	PUB-4-87	"	"	"	"	"	System Average Interruption Duration Index (SAIDI) / System Average Interruption Frequency Index (SAIFI)
Ex. #	PUB-4-88	"	"	"	"	"	Business Operation Capital
Ex. #	PUB-4-89	"	"	"	"	"	MMTP and Birtle Transmission
Ex. #	PUB-4-90	"	"	"	"	"	AMCL Report
Ex. #	PUB-4-91	"	"	"	"	"	Bipole I and II
Ex. #	PUB-4-92	"	"	"	"	"	AACE Cost on project and planning items
Ex. #	PUB-4-93	"	"	"	"	"	Advanced metering infrastructure (AMI) consultant
Ex. #	PUB-4-94	"	"	"	"	"	Grid Modernization Program
Ex. #	PUB-4-95	"	"	"	"	"	Capital Projects
Ex. #	PUB-4-96	"	"	"	"	"	Turbine Overhaul
Ex. #	PUB-4-97	"	"	"	"	"	Capital Expenditure Forecast (CEF) - Business Operation Capital
Ex. #	PUB-4-98	"	"	"	"	"	Business Operation Capital - CEF18
Ex. #	PUB-4-99	"	"	"	"	"	Business Operations Capital
Ex. #	PUB-4-100	"	"	"	"	"	GNTL costs
Ex. #	PUB-4-101	"	"	"	"	"	AMCL - asset management
Ex. #	PUB-4-102	"	"	"	"	"	AMCL - Corporate Value Framework
Ex. #	PUB-4-103	"	"	"	"	"	Asset Management Analysis in MFR 90
Ex. #	PUB-4-104	"	"	"	"	"	Light Emitting Diode (LED) - Roadway Lighting
Ex. #	PUB-4-105	"	"	"	"	"	Letters dated November 12, 2018 regarding Directive 15 of Order 59/18
Ex. #	PUB-4-106	"	"	"	"	"	Annual SEP Reports November 2016 to current
Ex. #	PUB-4-107	"	"	"	"	"	Annual CRP Reports April 2017 to current
Ex. #	PUB-4-108	"	"	"	"	"	Payments to Government
Ex. #	PUB-4-109	"	"	"	"	"	Order 43/13 Directives 8&9 Section 4.0 updates
Ex. #	PUB-4-110	"	"	"	"	"	Depreciation Expense under IFRS Complaint ASL and ELG depreciation methods



Ex. #	PUB-4-111	"	"	"	"	"	20-year Electric Operations Operating Statement
Ex. #	PUB-4-112	"	"	"	"	"	Write-off Keeyask In-Service Deferral
Ex. #	PUB-4-113	"	"	"	"	"	Changes to IFRS ELG and creation of new deferral account
Ex. #	PUB-4-114	"	"	"	"	"	Loss on Retirement and Disposal of Assets
Ex. #	PUB-4-115	"	"	"	"	"	Expected Growth in Depreciation Method Regulatory Deferral Account Balances
Ex. #	PUB-4-116	"	"	"	"	"	ELG determination of depreciation over ASL
Ex. #	PUB-4-117	"	"	"	"	"	Deferral accounts
Ex. #	PUB-4-118	"	"	"	"	"	Concentric Depreciation Study
Ex. #	PUB-4-119	"	"	"	"	"	Balance - Depreciation Method Deferrals for two deferral accounts
Ex. #	PUB-4-120	"	"	"	"	"	Amortization
Ex. #	PUB-4-121	"	"	"	"	"	Depreciation Method Deferrals
Ex. #	PUB-4-122	"	"	"	"	"	IFRS Compliant v. ELG depreciation procedures
Ex. #	PUB-4-123	"	"	"	"	"	Depreciation Method Deferrals of current assets over full service life
Ex. #	PUB-4-124	"	"	"	"	"	Updated Figure 16 - Appendix 3.3 and additional tables - 2014 ASL Rates, ALG - life study and ELG - life rate
Ex. #	PUB-4-125	"	"	"	"	"	Depreciation Rate Schedules for Electric Operations
Ex. #	PUB-4-126	"	"	"	"	"	Depreciation and Amortization - losses
Ex. #	PUB-4-127	"	"	"	"	"	Depreciation and Amortization expense based on the ALG - remaining service life
Ex. #	PUB-4-128	"	"	"	"	"	Directive 8 - Board Order 43/13
Ex. #	PUB-4-129	"	"	"	"	"	compare depreciation methodologies excluding gains and losses - Appendix 4.3 Figure 9 / Appendix 9.10 Figure 1,2 and 6
Ex. #	PUB-4-130	"	"	"	"	"	Losses and Retirement - ASL IFRS / ELG whole-life methodology
Ex. #	PUB-4-131	"	"	"	"	"	Equal Life Group (ELG)
Ex. #	PUB-4-132	"	"	"	"	"	IASB Exposure Draft
Ex. #	PUB-4-133	"	"	"	"	"	Depreciation expense differences
Ex. #	PUB-4-134	"	"	"	"	"	ASL and ALG methodologies

Ex. #	PUB-4-135	"	"	"	"	"	Concentric Study - ALG Accrual rates
Ex. #	PUB-4-136	"	"	"	"	"	Concentric Depreciation Study - ELG depreciation rates
Ex. #	PUB-4-137	"	"	"	"	"	Differences in Alliance Consulting Group Depreciation Study and Concentric Depreciation Study
Ex. #	PUB-4-138	"	"	"	"	"	Depreciation Variance on 2019 ELG Study used in Alliance ALS Study
Ex. #	PUB-4-139	"	"	"	"	"	Concentric ALG Study Schedule 4A / ALS Study
Ex. #	PUB-4-140	"	"	"	"	"	Engagement letter and CV's - ASL Study and Alliance Study
<b>Ex. #</b>	<b>PUB-4-141</b>	"	"	"	"	"	Revenue to Cost Coverage Ratio (RCC)
Ex. #	PUB-4-142	"	"	"	"	"	Rate Design and Structure to Residential Class
Ex. #	PUB-4-143	"	"	"	"	"	Revenue - General Service
Ex. #	PUB-4-144	"	"	"	"	"	GSS-GSM - harmonization
Ex. #	PUB-4-145	"	"	"	"	"	GSL bill impacts
Ex. #	PUB-4-146	"	"	"	"	"	"missing" outdoor and flooding lighting
Ex. #	PUB-4-147	"	"	"	"	"	Decorative lighting rates
Ex. #	PUB-4-148	"	"	"	"	"	Seasonal and Monthly 250 W LED Exclusive Luminaire tariffs 80 and 82
Ex. #	PUB-4-149	"	"	"	"	"	Area & Roadway Lighting
Ex. #	PUB-4-150	"	"	"	"	"	High Mast rates
Ex. #	PUB-4-151	"	"	"	"	"	Diesel General Service
Ex. #	PUB-4-152	"	"	"	"	"	Curtable Rate Program (CRP) Customers
Ex. #	PUB-4-153	"	"	"	"	"	CRP annual test failures
Ex. #	PUB-4-154	"	"	"	"	"	Curtailement Under Option A of the CRP
Ex. #	PUB-4-155	"	"	"	"	"	Surplus Energy Program (SEP) in the Integrated Resource Plan (IRP)
Ex. #	PUB-4-156	"	"	"	"	"	SEP Customer notice period
Ex. #	PUB-4-157	"	"	"	"	"	Export sales - SEP
Ex. #	PUB-4-158	"	"	"	"	"	Curtil SEP Rates

Ex. #	PUB-4-159	"	"	"	"	"	SEP sales revenues
Ex. #	PUB-4-160	"	"	"	"	"	Transmission Lines / Projects
Ex. #	PUB-4-161	"	"	"	"	"	Prospective Cost of Service Studies (PCOSS) - unit costs from PCOSS21 and PCOSS24
Ex. #	PUB-4-162	"	"	"	"	"	Export
Ex. #	PUB-4-163	"	"	"	"	"	LED roadway lighting - maintenance
Ex. #	PUB-4-164	"	"	"	"	"	Limited Use Billing Demand customer classes
Ex. #	PUB-4-165	"	"	"	"	"	Models and Data used for rate and customer impacts in App. 8.5, 8.6, 8.8 and 8.9
Ex. #	PUB-4-166	"	"	"	"	"	Peak periods for winter, summer and shoulder
Ex. #	PUB-4-167	"	"	"	"	"	Updated Tab 9 / 2003 Drought
Ex. #	PUB-4-168	"	"	"	"	"	Droughts
Ex. #	PUB-4-169	"	"	"	"	"	Physically based Inflow Forecasting Framework (PBIFF)
Ex. #	PUB-4-170	"	"	"	"	"	Inflow Forecast - Weather Forecasts
Ex. #	PUB-4-171	"	"	"	"	"	Environment and Climate Canada - weather forecasting
Ex. #	PUB-4-172	"	"	"	"	"	Ensemble Streamflow Prediction forecast
Ex. #	PUB-4-173	"	"	"	"	"	Statistical flow Forecasting Model
Ex. #	PUB-4-174	"	"	"	"	"	Forecasted Inflows
Ex. #	PUB-4-175	"	"	"	"	"	Statistical Forecasts
Ex. #	PUB-4-176	"	"	"	"	"	Teleconnections
Ex. #	PUB-4-177	"	"	"	"	"	Annual Average Hydraulic generation by sub-basin
Ex. #	PUB-4-178	"	"	"	"	"	Dr. Roy's review
Ex. #	PUB-5	PUB letter to MH and Interveners re: MH 2023/24 GRA - MH January 9, 2023 Information Request Letter - January 10, 2023					
Ex. #	PUB-6	Board Order 9/23 - Second Procedural Order in Respect of Manitoba Hydro's 2023/24 and 2024/25 General Rate Application - Disputed Information Requests - January 23, 2023					
Ex. #	PUB-7	PUB letter to MH and Interveners re: Daymark Retainer - January 31, 2023					
Ex. #	PUB-8	PUB letter to MH and Interveners re: Round I Information Request Response Motion - February 9, 2023					

Ex. #	PUB-9	<b>PUB-MH Round II Information Requests (1-64) - February 15, 2023</b>	
Ex. #	PUB-9-1	PUB-MH I-10	Average Time - connect, answer and emergency response
Ex. #	PUB-9-2	PUB-MH I-5a-c	Operational and Infrastructure investments
Ex. #	PUB-9-3	PUB-MH I-7	Business Case / NPV analysis for the SAP cloud conversion and the Advanced Metering Initiative
Ex. #	PUB-9-4	PUB-MH I-9a-b	Hedging Mechanisms
Ex. #	PUB-9-5	PUB-MH I-13a-b	Capitalized interest
Ex. #	PUB-9-6	PUB-MH I-19	Keyask - No long Financial Burden
Ex. #	PUB-9-7	PUB-MH I-21	Drought
Ex. #	PUB-9-8	PUB-MH I-23b / CC-MH I-49	Debt Ratio / Debt Retirement
Ex. #	PUB-9-9	PUB-MH I-24b	Financial Forecast
Ex. #	PUB-9-10	PUB-MH I-25a-d	Interest rates and forecast as of February 28, 2023
Ex. #	PUB-9-11	PUB-MH I-28a-e	SAP S/4HANA
Ex. #	PUB-9-12	PUB-MH I-31b	20-year financial scenario - ELG with 70-year phase in
Ex. #	PUB-9-13	PUB-MH I-30a-e	Amortizing interim gains and losses
Ex. #	PUB-9-14	PUB-MH I-32a-b	20-year financial scenarios - 30 and 70 year amortization period for ASL-ELG Deferral Account
Ex. #	PUB-9-15	PUB-MH I-35a-b	Payments to Government
Ex. #	PUB-9-16	PUB-MH I-39	Increased consumption due to the lower rate increases
Ex. #	PUB-9-17	PUB-MH I-40c/MIPUG-MH I-107/CC- Selkirk generating station decommissioning MH I-91c	
Ex. #	PUB-9-18	PUB-MH I-43	Excess energy rate
Ex. #	PUB-9-19	PUB-MH I-45, 56/ CC-MH I-60	Export Contracts
Ex. #	PUB-9-20	PUB-MH I-52a-e	U.S. Energy Information Administration's (EIA)
Ex. #	PUB-9-21	PUB-MH I-62a-c	Capitalized Overhead, Activity & Interest Cost
Ex. #	PUB-9-22	PUB-MH I-62a-c	Preliminary Budget
Ex. #	PUB-9-23	PUB-MH I-62b	Consulting and professional fees

Ex. #	PUB-9-24	PUB-MH I-64b	FTE reductions
Ex. #	PUB-9-25	PUB-MH I-69	O&A expenses / KPI's
Ex. #	PUB-9-26	PUB-MH I-70a-c	FTE's
Ex. #	PUB-9-27	PUB-MH I-71a, 80	Forecast annual wages
Ex. #	PUB-9-28	PUB-MH I-78a-c	vacant FTE
Ex. #	PUB-9-29	PUB-MH I-82a-c	PUB/MH I-82a-c-Attachment 3 - Service Life
Ex. #	PUB-9-30	PUB-MH I-85	SAIDI and SAIFI
Ex. #	PUB-9-31	PUB-MH I-92, MIPUG-MH I-83d, CC- MH I-160d-e	Capital Expenditure Plan
Ex. #	PUB-9-32	PUB-MH I-95a-c, 92, CC-MH I-160a- e, MIPUG-MH I-82h,79b	Project management and risk management
Ex. #	PUB-9-33	PUB-MH I-96, MIPUG-MH I-107	Brandon U6 and U7 combustion turbines
Ex. #	PUB-9-34	PUB-MH I-101	Asset Management Maturity
Ex. #	PUB-9-35	PUB-MH I-104	LED roadway lighting
Ex. #	PUB-9-36	PUB-MH I-108a-b	PUB-MH 1-108 table b - total change over the 20 years forecast
Ex. #	PUB-9-37	PUB-MH I-118a-c	Survey, including a table identifying each utility
Ex. #	PUB-9-38	PUB-MH I-122	ALC / ELG Methodologies
Ex. #	PUB-9-39	PUB-MH I-127	2019 Concentric Study ASL Depreciation Rates
Ex. #	PUB-9-40	PUB-MH I-132d	Regulatory interest rates
Ex. #	PUB-9-41	PUB-MH I-139c	Asset Accounting Handbook
Ex. #	PUB-9-42	PUB-MH I-140a-c	Depreciation Studies - Hydro One and Yukon Energy
Ex. #	PUB-9-43	MFR 95	Amortization - book accumulated depreciation and the calculated accrued depreciation
Ex. #	PUB-9-44	PUB-MH I-144	first 50 kVA of demand calculation
Ex. #	PUB-9-45	PUB-MH I-145	Change in billing demand
Ex. #	PUB-9-46	PUB-MH I-158c, 52e	Winter Storm Uri / SEP Customers
Ex. #	PUB-9-47	PUB-MH I-160	Birtle Transmission Project (BTP)

Ex. #	PUB-9-48	CC-MH I-6i, 27	Cash flow to debt ratio
Ex. #	PUB-9-49	CC-MH I-10	20-year financial scenario
Ex. #	PUB-9-50	CC-MH I-24	O&A costs higher for Keeyask than legacy generating assets
Ex. #	PUB-9-51	CC-MH I-27	Hydraulic generation
Ex. #	PUB-9-52	PUB-MH I-39 / CC-MH I-56	Load forecast
Ex. #	PUB-9-53	CC-MH I-85	Corporate Value Framework scores
Ex. #	PUB-9-54	CC-MH I-85	Manitoba Hydro generation and transmission system
Ex. #	PUB-9-55	CC-MH I-85, 109	Pointe du Bois station
Ex. #	PUB-9-56	CC-MH I-115	Pointe du Bois Renewable Energy Project
Ex. #	PUB-9-57	CC-MH I-160	Capital Investment Justifications
Ex. #	PUB-9-58	CC-MH I-144	residential customer bills for 1,000 and 2,000 kWh consumption if MH had a RCC of 83%.
Ex. #	PUB-9-59	CC-MH I-157	LED Roadway Conversion Program
Ex. #	PUB-9-60	GSS-GSM-MH I-7	Corporate Value Framework score to the vegetation management program
Ex. #	PUB-9-61	MIPUG-MH I-99	SEP Load
Ex. #	PUB-9-62	MKO-MH I-7	First Nations Social Process
Ex. #	PUB-9-63	MKO-MH I-9	Energy Affordability Installment Plan
Ex. #	PUB-9-64	AMC-MH I-30b, MKO-MH I-1	First Nation On-Reserve
Ex. #	PUB-10	Board Order 24/23 - Third Procedural Order in Respect of Manitoba Hydro's 2023/24 and 2024/25 General Rate Application - Updated Hearing Timetable - February 23, 2023	
Ex. #	PUB-11	PUB letter to MH and Interveners re: Pre Hearing Conference #2 - April 6, 2023 - March 9, 2023	
Ex. #	PUB-12	PUB letter to All Parties re: Daymark Scope of Work Confirmation - March 13, 2023	
Ex. #	PUB-13	Board Order 42/23 - Fourth Procedural Order in Respect of Manitoba Hydro's 2023/24 and 2024/25 General Rate Application - Updated Schedule and Scope - April 11, 2023	
Ex. #	PUB-14	<b>PUB-COALITION Intervener Information Requests (1-37) - April 14, 2023</b>	
Ex. #	PUB-14-1	" " " " "	Midgard - Vegetation Management Spending
Ex. #	PUB-14-2	" " " " "	Midgard - SAIDI and SAIFI

Ex. #	PUB-14-3	"	"	"	"	"	Midgard - O&A Expenses and Increases in FTE
Ex. #	PUB-14-4	"	"	"	"	"	Midgard - AMCL Assessment
Ex. #	PUB-14-5	"	"	"	"	"	Midgard - Capital Expenditures
Ex. #	PUB-14-6	"	"	"	"	"	Midgard - Asset Management
Ex. #	PUB-14-7	"	"	"	"	"	Midgard - Redundant Component
Ex. #	PUB-14-8	"	"	"	"	"	Midgard - Investments in Bipoles I and II
Ex. #	PUB-14-9	"	"	"	"	"	Midgard - Domestic Reliability and needs / Catastrophic Failure
Ex. #	PUB-14-10	"	"	"	"	"	Midgard - T-SAIDI
Ex. #	PUB-14-11	"	"	"	"	"	Midgard - Replacement of Assets
Ex. #	PUB-14-12	"	"	"	"	"	Midgard - Minimum System
Ex. #	PUB-14-13	"	"	"	"	"	Midgard - Recommendations
Ex. #	PUB-14-14	"	"	"	"	"	Derksen - Rate Differentiation
Ex. #	PUB-14-15	"	"	"	"	"	Derksen - Appropriate RCC
Ex. #	PUB-14-16	"	"	"	"	"	Derksen - Marginal Cost
Ex. #	PUB-14-17	"	"	"	"	"	Derksen - RCC Ratios / LED Roadway Lighting
Ex. #	PUB-14-18	"	"	"	"	"	Derksen - GSL classes
Ex. #	PUB-14-19	"	"	"	"	"	Derksen - Zone of reasonableness
Ex. #	PUB-14-20	"	"	"	"	"	Derksen - Water / Differentiated Rates
Ex. #	PUB-14-21	"	"	"	"	"	Derksen - GSL class
Ex. #	PUB-14-22	"	"	"	"	"	Derksen - Area & Roadway Lighting Class
Ex. #	PUB-14-23	"	"	"	"	"	MPA - Retainer letter and Scope
Ex. #	PUB-14-24	"	"	"	"	"	MPA - reduction in payments to government
Ex. #	PUB-14-25	"	"	"	"	"	MPA - Cash Flows
Ex. #	PUB-14-26	"	"	"	"	"	Rainkie - Interim Rate Increase

Ex. #	PUB-14-27	"	"	"	"	"	Rainkie - Figure 4
Ex. #	PUB-14-28	"	"	"	"	"	Rainkie - Risks
Ex. #	PUB-14-29	"	"	"	"	"	Rainkie - MH Amendment Act (Bill 36)
Ex. #	PUB-14-30	"	"	"	"	"	Rainkie - Financial ratios and targets
Ex. #	PUB-14-31	"	"	"	"	"	Rainkie - KPMG recommended targets
Ex. #	PUB-14-32	"	"	"	"	"	Rainkie - Extrapolated increase in O&A expenses
Ex. #	PUB-14-33	"	"	"	"	"	Rainkie - Rate Setting Purposes
Ex. #	PUB-14-34	"	"	"	"	"	Rainkie - Figures 20 and 21
Ex. #	PUB-14-35	"	"	"	"	"	Rainkie - Excess Profits
Ex. #	PUB-14-36	"	"	"	"	"	Rainkie - 50% and 100% deferral analysis
Ex. #	PUB-14-37	"	"	"	"	"	Rainkie - Social discount rate
Ex. #	PUB-15	<b>PUB-GSS-GSM Intervener Information Requests (1-8) - April 14, 2023</b>					
Ex. #	PUB-15-1	"	"	"	"	"	Componentization
Ex. #	PUB-15-2	"	"	"	"	"	Deferral Account
Ex. #	PUB-15-3	"	"	"	"	"	ELG v. ALG
Ex. #	PUB-15-4	"	"	"	"	"	ELG v. ALG deferral account
Ex. #	PUB-15-5	"	"	"	"	"	60-R3, 65-R5 and 65-R4 low curves
Ex. #	PUB-15-6	"	"	"	"	"	Zero-budgeting exercises
Ex. #	PUB-15-7	"	"	"	"	"	Expenditures
Ex. #	PUB-15-8	"	"	"	"	"	Declining block energy rate
Ex. #	PUB-16	<b>PUB-MIPUG Intervener Information Requests (1-15) - April 14, 2023</b>					
Ex. #	PUB-16-1	"	"	"	"	"	NFAT Plans
Ex. #	PUB-16-2	"	"	"	"	"	O&A Expenses
Ex. #	PUB-16-3	"	"	"	"	"	Delay in 2024 rate increase



Ex. #	PUB-16-4	"	"	"	"	"	Interim Rate increase
Ex. #	PUB-16-5	"	"	"	"	"	Uncertainty Analysis
Ex. #	PUB-16-6	"	"	"	"	"	Conawapa
Ex. #	PUB-16-7	"	"	"	"	"	Losses
Ex. #	PUB-16-8	"	"	"	"	"	RCC Ratios
Ex. #	PUB-16-9	"	"	"	"	"	PCOSS
Ex. #	PUB-16-10	"	"	"	"	"	Impact of 2024/25 NER on RCC Ratios
Ex. #	PUB-16-11	"	"	"	"	"	Marginal Value and Allocation of DSM Costs
Ex. #	PUB-16-12	"	"	"	"	"	Peak day / Peak hours
Ex. #	PUB-16-13	"	"	"	"	"	RCC Ratios and the Zone of Reasonableness
Ex. #	PUB-16-14	"	"	"	"	"	Rate Differentiation Based on 2024/25 NER
Ex. #	PUB-16-15	"	"	"	"	"	Rate Increase Applied to Demand Rate
Ex. #	PUB-17	<b>PUB-DEA Independent Expert Consultant Information Request (1-15) - April 21, 2023</b>					
Ex. #	PUB-17-1	"	"	"	"	"	Premium for Long-Term Dependable Energy
Ex. #	PUB-17-2	"	"	"	"	"	Uncontracted Surplus Capacity
Ex. #	PUB-17-3	"	"	"	"	"	Asymmetrical Risk
Ex. #	PUB-17-4	"	"	"	"	"	Financial Forecast Scenario - Inflow Forecasting
Ex. #	PUB-17-5	"	"	"	"	"	Ancillary Services
Ex. #	PUB-17-6	"	"	"	"	"	Capacity Price Forecast
Ex. #	PUB-17-7	"	"	"	"	"	MISO PRA Auction
Ex. #	PUB-17-8	"	"	"	"	"	Seasonal Diversity Contracts
Ex. #	PUB-17-9	"	"	"	"	"	Seasonal Capacity Construct
Ex. #	PUB-17-10	"	"	"	"	"	MH's Drought Management Policies and Processes
Ex. #	PUB-17-11	"	"	"	"	"	Executive Oversight Committee

Ex. #	PUB-17-12	"	"	"	"	"	Drought Management Actions
Ex. #	PUB-17-13	"	"	"	"	"	MH Drought Management Policies and Processes
Ex. #	PUB-17-14	"	"	"	"	"	Price Hedging Activity
Ex. #	PUB-17-15	"	"	"	"	"	Drought Management Process Changes
Ex. #	PUB-18	Board Order 57/23 -Fifth Procedural Order in Respect of Manitoba Hydro's 2023/24 And 2024/25 General Rate Application (Hearing Schedule, Adjudication of Claims for Confidentiality, and Recommendation of the Manitoba Industrial Power Users Group Regarding the Write-Off of Deferral Accounts) - May 2, 2023					

EXHIBIT LIST FOR  
MANITOBA HYDRO

May 8, 2023

**Daymark Energy Advisors (DEA) Exhibits**

Ex. #	DEA-1	DEA letter re: Formal Information Requests to MH - March 8, 2023
Ex. #	DEA-2	Daymark Evidence - April 11, 2023

**EXHIBIT LIST FOR  
MANITOBA HYDRO**

May 8, 2023

**ASSEMBLY OF MANITOBA CHIEFS (AMC) Exhibits**

Ex. #	AMC-1	AMC Intervener Application - November 24, 2022			
Ex. #	AMC-2	<b>AMC-MH Round I Information Requests (1-34) - December 20, 2022</b>			
Ex. #	AMC-2-1	"	"	"	Electrification and Broader Decarbonisation Policies
Ex. #	AMC-2-2	"	"	"	Decentralization
Ex. #	AMC-2-3	"	"	"	Cost Recovery Mechanisms
Ex. #	AMC-2-4	"	"	"	Generation
Ex. #	AMC-2-5	"	"	"	Cost/Benefit Analysis
Ex. #	AMC-2-6	"	"	"	ELT Continuous Improvement Initiatives
Ex. #	AMC-2-7	"	"	"	First Nation engagement and programs
Ex. #	AMC-2-8	"	"	"	Exports
Ex. #	AMC-2-9	"	"	"	Behind-the-meter installation
Ex. #	AMC-2-10	"	"	"	Export Contract analysis
Ex. #	AMC-2-11	"	"	"	Asset Optimization
Ex. #	AMC-2-12	"	"	"	Profit-sharing deferral account
Ex. #	AMC-2-13	"	"	"	Customer Research - First Nations
Ex. #	AMC-2-14	"	"	"	Impact of interim rate increase (3.6%)
Ex. #	AMC-2-15	"	"	"	Capital Spend
Ex. #	AMC-2-16	"	"	"	Supply / Demand

Ex. #	AMC-2-17	"	"	"	"	Dependable Sales
Ex. #	AMC-2-18	"	"	"	"	Export Sales
Ex. #	AMC-2-19	"	"	"	"	Low and High scenario export values
Ex. #	AMC-2-20	"	"	"	"	upper and lower bounds on price forecasts
Ex. #	AMC-2-21	"	"	"	"	Price Forecasts
Ex. #	AMC-2-22	"	"	"	"	Cost Assumptions for Purchase Agreements by fuel type
Ex. #	AMC-2-23	"	"	"	"	Debt Ratio
Ex. #	AMC-2-24	"	"	"	"	Water flows
Ex. #	AMC-2-25	"	"	"	"	High and low electricity price forecast sensitivities
Ex. #	AMC-2-26	"	"	"	"	Seasonable capacity auction
Ex. #	AMC-2-27	"	"	"	"	Winter Hedging
Ex. #	AMC-2-28	"	"	"	"	First Nation Employees
Ex. #	AMC-2-29	"	"	"	"	Self-Service customer assistance
Ex. #	AMC-2-30	"	"	"	"	Uncollectible Accounts
Ex. #	AMC-2-31	"	"	"	"	Consumption Patterns
Ex. #	AMC-2-32	"	"	"	"	Economic Opportunity Partnerships
Ex. #	AMC-2-33	"	"	"	"	Non-Manitoba Hydro Renewable Energy
Ex. #	AMC-2-34	"	"	"	"	Reconciliation
Ex. #	<b>AMC-2-35</b> Jan	"	"	"	"	Proposed rate by rate class
Ex. #	AMC-2-36	"	"	"	"	RCC - PCOSS
Ex. #	AMC-2-37	"	"	"	"	year over year percentage rate increase
Ex. #	AMC-2-38	"	"	"	"	Residential Bill - percentage of Manitoba's median income
Ex. #	AMC-2-39	"	"	"	"	Residential Rate Class
Ex. #	AMC-2-40	"	"	"	"	Alternative Rate Design for residential class

Ex. #	AMC-2-41	"	"	"	"	Net Export Revenue
Ex. #	AMC-2-42	"	"	"	"	Arrears and bad debt expense
Ex. #	AMC-2-43	"	"	"	"	First Nation On-Reserve Residential Rate Class
Ex. #	AMC-2-44	"	"	"	"	Average Electricity residential usage for each First Nation in Manitoba
Ex. #	AMC-2-45	"	"	"	"	Residential Energy Use Survey
Ex. #	AMC-2-46	"	"	"	"	Indigenous Voices Omnibus Survey
Ex. #	AMC-3	<b>AMC-MH Round II Information Requests (1-12) - February 15, 2023</b>				
Ex. #	AMC-3-1	AMC-MH I-1			Risks	
Ex. #	AMC-3-2	AMC-MH I-2a-b			Notification for on site generation	
Ex. #	AMC-3-3	AMC-MH I-4a-b			Cost of self-generation	
Ex. #	AMC-3-4	AMC-MH I-10a			Export Contracts	
Ex. #	AMC-3-5	AMC-MH I-11a-b			Decreased reliability of assets	
Ex. #	AMC-3-6	AMC-MH I-27a			Hedging	
Ex. #	AMC-3-7	AMC-MH I-28a			First Nation Employees	
Ex. #	AMC-3-8	AMC-MH I-30a-b			Late payment and uncollected First Nation accounts	
Ex. #	AMC-3-9	AMC-MH I-30d-e			uncollectible and disconnected accounts	
Ex. #	AMC-3-10	AMC-MH I-34			Reconciliation with First Nations	
Ex. #	AMC-3-11	AMC-MH I-38b			Median on-reserve income levels	
Ex. #	AMC-3-12	AMC-MH I-43			Cumulative rate increase former First Nations on-reserve residential rate class Sept 1, 2020 to Apr 2024	
Ex. #	AMC-4	<b>AMC-CC Intervener Information Requests (1-6) - April 14, 2023</b>				
Ex. #	AMC-4-1	"	"	"	"	Derksen - Monthly Basic Charge and Volumetric Rate
Ex. #	AMC-4-2	"	"	"	"	Derksen - Ranking criteria
Ex. #	AMC-4-3	"	"	"	"	Derksen - Revenue-to-Cost
Ex. #	AMC-4-4	"	"	"	"	Derksen - most and least impacted customers

Ex. #	AMC-4-5	"	"	"	"	Derksen - Marginal Costs
Ex. #	AMC-4-6	"	"	"	"	Derksen - Cost Structure
Ex. #	AMC-5	AMC letter re: P. Bowman Recommendation # 4 - April 21, 2023				
Ex. #	AMC-6	<b>AMC-DEA Independent Expert Consultant Information Requests (1-14) - April 21, 2023</b>				
Ex. #	AMC-6-1	"	"	"	"	Drought
Ex. #	AMC-6-2	"	"	"	"	MISO Market Conditions
Ex. #	AMC-6-3	"	"	"	"	Recent engagement in MISO market
Ex. #	AMC-6-4	"	"	"	"	MISO Market - Energy capacity
Ex. #	AMC-6-5	"	"	"	"	Flexible Resources
Ex. #	AMC-6-6	"	"	"	"	Export Revenue
Ex. #	AMC-6-7	"	"	"	"	Heat Rate Approach
Ex. #	AMC-6-8	"	"	"	"	Capacity Sales
Ex. #	AMC-6-9	"	"	"	"	Summer-based capacity sales
Ex. #	AMC-6-10	"	"	"	"	Export Markets
Ex. #	AMC-6-11	"	"	"	"	Violations
Ex. #	AMC-6-12	"	"	"	"	Hedging
Ex. #	AMC-6-13	"	"	"	"	Risk
Ex. #	AMC-6-14	"	"	"	"	Hedging Strategy between sales and purchases



EXHIBIT LIST FOR  
MANITOBA HYDRO

May 8, 2023

**CONSUMER ASSOCIATION OF CANADA (MANITOBA) and WINNIPEG HARVEST (CC)**

Ex. #	CC-1-1	CC Intervener Application - November 24, 2022		
Ex. #	CC-2	<b>CC-MH Round I Information Requests (1-129) - December 20, 2022</b>		
Ex. #	CC-2-1	"	"	Strategy 2040
Ex. #	CC-2-2	"	"	Dunsky Report
Ex. #	CC-2-3	"	"	safe, clean, reliable energy at the lowest possible cost
Ex. #	CC-2-4	"	"	Business Units
Ex. #	CC-2-5	"	"	Enterprise Strategic Portfolio Management System
Ex. #	CC-2-6	"	"	Enterprise Performance Management (EPM)
Ex. #	CC-2-7	"	"	Enterprise Risk Management (ERM)
Ex. #	CC-2-8	"	"	Integrated Resource Plan (IRP)
Ex. #	CC-2-9	"	"	Rate Increases
Ex. #	CC-2-10	"	"	payments to government
Ex. #	CC-2-11	"	"	2% rate path
Ex. #	CC-2-12	"	"	Net Income
Ex. #	CC-2-13	"	"	Major Capital Projects
Ex. #	CC-2-14	"	"	Capital Expenditure Plan
Ex. #	CC-2-15	"	"	Domestic Revenues
Ex. #	CC-2-16	"	"	Depreciation Expense



Ex. #	CC-2-17	"	"	"	"	Capital & Other Taxes
Ex. #	CC-2-18	"	"	"	"	Other Expenses
Ex. #	CC-2-19	"	"	"	"	Income Statement for 2021/22 - Actual v. Budget
Ex. #	CC-2-20	"	"	"	"	Net Finance Expense
Ex. #	CC-2-21	"	"	"	"	Dependable and Opportunity Export Energy Sale Volumes
Ex. #	CC-2-22	"	"	"	"	Capital to Operating
Ex. #	CC-2-23	"	"	"	"	Priorities
Ex. #	CC-2-24	"	"	"	"	Maintenance and Operating forecast spending
Ex. #	CC-2-25	"	"	"	"	Budgetary Deficits
Ex. #	CC-2-26	"	"	"	"	Keyask Generating Station
Ex. #	CC-2-27	"	"	"	"	MH16 Forecast
Ex. #	CC-2-28	"	"	"	"	Financial Forecast Scenario
Ex. #	CC-2-29	"	"	"	"	Financial Forecast Scenario - near-term and longer-term
Ex. #	CC-2-30	"	"	"	"	Opportunity Energy Sales Volumes
Ex. #	CC-2-31	"	"	"	"	New wind PPA
Ex. #	CC-2-32	"	"	"	"	Regulatory Deferral Balances
Ex. #	CC-2-33	"	"	"	"	Net debt balance
Ex. #	CC-2-34	"	"	"	"	Underlying debt rates and projected refinancing rates
Ex. #	CC-2-35	"	"	"	"	Cash Flow
Ex. #	CC-2-36	"	"	"	"	Risk Sensitivities
Ex. #	CC-2-37	"	"	"	"	IASB - Regulatory Assets and Liabilities
Ex. #	CC-2-38	"	"	"	"	Regulatory Deferral Accounts and amortization periods
Ex. #	CC-2-39	"	"	"	"	Keyask In-service deferral
Ex. #	CC-2-40	"	"	"	"	SAP CCA Deferral

Ex. #	CC-2-41	"	"	"	"	Depreciation
Ex. #	CC-2-42	"	"	"	"	Two-year amortization - Major Capital Projects Deferral Account
Ex. #	CC-2-43	"	"	"	"	DSM Expenditures
Ex. #	CC-2-44	"	"	"	"	Debt Management
Ex. #	CC-2-45	"	"	"	"	Debt Management Objectives
Ex. #	CC-2-46	"	"	"	"	Debt Management Objectives - low-cost and stable funding
Ex. #	CC-2-47	"	"	"	"	Hedge transactions
Ex. #	CC-2-48	"	"	"	"	Forecast Interest Rates
Ex. #	CC-2-49	"	"	"	"	EBITDA Interest Coverage Ratio
Ex. #	CC-2-50	"	"	"	"	Load Forecast
Ex. #	CC-2-51	"	"	"	"	Energy Growth
Ex. #	CC-2-52	"	"	"	"	Gross Total Peak
Ex. #	CC-2-53	"	"	"	"	Electric Load Scenario - Gross Firm Energy
Ex. #	CC-2-54	"	"	"	"	Load Forecast
Ex. #	CC-2-55	"	"	"	"	Residential Basic Energy
Ex. #	CC-2-56	"	"	"	"	Residential Basic energy growth
Ex. #	CC-2-57	"	"	"	"	Electric Vehicle
Ex. #	CC-2-58	"	"	"	"	2021 Load Scenario
Ex. #	CC-2-59	"	"	"	"	Pipeline Load
Ex. #	CC-2-60	"	"	"	"	long-term export contracts
Ex. #	CC-2-61	"	"	"	"	Capacity in Electric Load Scenario
Ex. #	CC-2-62	"	"	"	"	2021 Electric Load Scenario
Ex. #	CC-2-63	"	"	"	"	Load Scenario / Load Forecast
Ex. #	CC-2-64	"	"	"	"	Anticipated Need Dates

Ex. #	CC-2-65	"	"	"	"	Resource needs
Ex. #	CC-2-66	"	"	"	"	O&A Budget
Ex. #	CC-2-67	"	"	"	"	O&A Costs
Ex. #	CC-2-68	"	"	"	"	O&A Budgets - top-down and bottom-up approach
Ex. #	CC-2-69	"	"	"	"	Improvement initiatives
Ex. #	CC-2-70	"	"	"	"	Trade and Professional Trainees
Ex. #	CC-2-71	"	"	"	"	Customer Engagement Centre
Ex. #	CC-2-72	"	"	"	"	FTE Decrease
Ex. #	CC-2-73	"	"	"	"	Voluntary attrition
Ex. #	CC-2-74	"	"	"	"	Wage settlements
Ex. #	CC-2-75	"	"	"	"	Information Technology Plan
Ex. #	CC-2-76	"	"	"	"	Cloud Computing Arrangements (CCA's)
Ex. #	CC-2-77	"	"	"	"	O&A costs - Major Capital Projects
Ex. #	CC-2-78	"	"	"	"	Business Operations Capital
Ex. #	CC-2-79	"	"	"	"	Supply Chain Cost Savings
Ex. #	CC-2-80	"	"	"	"	O&A Cost pressures
Ex. #	CC-2-81	"	"	"	"	Employee benefits discount rates
Ex. #	CC-2-82	"	"	"	"	Employee Related expenditures
Ex. #	CC-2-83	"	"	"	"	straight-time FTE's
Ex. #	CC-2-84	"	"	"	"	Capital Expenditure Forecast (CEF)
Ex. #	CC-2-85	"	"	"	"	Capital Project Justifications
Ex. #	CC-2-86	"	"	"	"	Operational Technology Assets
Ex. #	CC-2-87	"	"	"	"	Manitoba - Minnesota Transmission Project
Ex. #	CC-2-88	"	"	"	"	Bipole I and II HVDC Refurbishment Investments

Ex. #	CC-2-89	"	"	"	"	Advancing Metering Infrastructure (AMI) project
Ex. #	CC-2-90	"	"	"	"	Grid Modernization Project - Electric Power Research Institute (EPRI)
Ex. #	CC-2-91	"	"	"	"	Capital Expenditures Plan
Ex. #	CC-2-92	"	"	"	"	5-Year Historical Average of SAIDI and SAIFI Values
Ex. #	CC-2-93	"	"	"	"	Generation, Transmission and Distribution
Ex. #	CC-2-94	"	"	"	"	Value provided by customers
Ex. #	CC-2-95	"	"	"	"	Targeted levels of performance and risk
Ex. #	CC-2-96	"	"	"	"	Hydraulic Generation Weighted Forced Outage Factor (WFOF)
Ex. #	CC-2-97	"	"	"	"	Transmission Interruption Percentage
Ex. #	CC-2-98	"	"	"	"	10-year history of T-SAIDI and T-SAIFI Values
Ex. #	CC-2-99	"	"	"	"	Transmission and Generation Capacity
Ex. #	CC-2-100	"	"	"	"	Asset Health Indices (AHIs)
Ex. #	CC-2-101	"	"	"	"	Economic Life
Ex. #	CC-2-102	"	"	"	"	Capital Investment
Ex. #	CC-2-103	"	"	"	"	Maturity Barriers
Ex. #	CC-2-104	"	"	"	"	Cultural and Structural changes
Ex. #	CC-2-105	"	"	"	"	Asset Populations
Ex. #	CC-2-106	"	"	"	"	Work Orders
Ex. #	CC-2-107	"	"	"	"	Assets
Ex. #	CC-2-108	"	"	"	"	Generation Investments
Ex. #	CC-2-109	"	"	"	"	End of Life / Failed Asset Evaluation
Ex. #	CC-2-110	"	"	"	"	System Efficient Investments
Ex. #	CC-2-111	"	"	"	"	Mandatory Compliance Investments
Ex. #	CC-2-112	"	"	"	"	Sustainment: Decommissioning

Ex. #	CC-2-113	"	"	"	"	System Capacity Surplus - Keeyask Project
Ex. #	CC-2-114	"	"	"	"	MMTP construction
Ex. #	CC-2-115	"	"	"	"	Pointe du Bois
Ex. #	CC-2-116	"	"	"	"	Portage Area Capacity Enhancement
Ex. #	CC-2-117	"	"	"	"	Severe Outages
Ex. #	CC-2-118	"	"	"	"	Long Spruce Generating Station Unit Overhauls
Ex. #	CC-2-119	"	"	"	"	Kettle Generating Station Unit Overhauls
Ex. #	CC-2-120	"	"	"	"	Advance Metering Infrastructure
Ex. #	CC-2-121	"	"	"	"	MH Distribution
Ex. #	CC-2-122	"	"	"	"	Capital Expenditure Plan Table
Ex. #	CC-2-123	"	"	"	"	Grand Rapids Generating Status Upgrades
Ex. #	CC-2-124	"	"	"	"	MH System Performance - Best in North America
Ex. #	CC-2-125	"	"	"	"	Capital Spending
Ex. #	CC-2-126	"	"	"	"	Customer Values
Ex. #	CC-2-127	"	"	"	"	2022 Reputation Study
Ex. #	CC-2-128	"	"	"	"	Reduced Reliability
Ex. #	CC-2-129	"	"	"	"	Target Reliability
Ex. #	<b>CC-2-130</b>	"	"	"	"	Proposed Rate increases by class
Ex. #	CC-2-131	"	"	"	"	PCOSS24
Ex. #	CC-2-132	"	"	"	"	functionalization
Ex. #	CC-2-133	"	"	"	"	O&A Expenses
Ex. #	CC-2-134	"	"	"	"	Keeyask - PCOSS
Ex. #	CC-2-135	"	"	"	"	Bipole III - PCOSS
Ex. #	CC-2-136	"	"	"	"	Great Northern Transmission Line - PCOSS

Ex. #	CC-2-137	"	"	"	"	PCOSS24 - sensitivity analysis
Ex. #	CC-2-138	"	"	"	"	Finance Expenses - Water Rental Fee and Provincial Guarantee Fee
Ex. #	CC-2-139	"	"	"	"	LED Roadway Lighting
Ex. #	CC-2-140	"	"	"	"	Proof of Revenue
Ex. #	CC-2-141	"	"	"	"	Agility - Energy Landscape
Ex. #	CC-2-142	"	"	"	"	Flexibility
Ex. #	CC-2-143	"	"	"	"	Zone of Reasonableness
Ex. #	CC-2-144	"	"	"	"	key considerations
Ex. #	CC-2-145	"	"	"	"	Marginal Costs Causation
Ex. #	CC-2-146	"	"	"	"	declining block rate structure
Ex. #	CC-2-147	"	"	"	"	Demand Rate
Ex. #	CC-2-148	"	"	"	"	Rate design changes
Ex. #	CC-2-149	"	"	"	"	Engagement with Customers
Ex. #	CC-2-150	"	"	"	"	Price Signals
Ex. #	CC-2-151	"	"	"	"	Integrated Cost Allocation Methodology (ICAM)
Ex. #	CC-2-152	"	"	"	"	Functionalized Rate Base and Revenue Requirements / Transmission Revenue and Losses
Ex. #	CC-2-153	"	"	"	"	Non-tariff able transmission
Ex. #	CC-2-154	"	"	"	"	Net Export Revenue
Ex. #	CC-2-155	"	"	"	"	Export Revenue - PCOSS24
Ex. #	CC-2-156	"	"	"	"	RCC Impacts of Methodology Changes
Ex. #	CC-2-157	"	"	"	"	Changes in load by class
Ex. #	CC-2-158	"	"	"	"	System performance
Ex. #	CC-2-159	"	"	"	"	Generation, Transmission and Distribution
Ex. #	CC-2-160	"	"	"	"	Capital projects/expenditures

Ex. #	CC-2-161	" " " "	Capital Expenditure Plan - Generation, Transmission and Distribution portfolio
Ex. #	CC-3	CC letter to MH re: Round I Information Requests - January 13, 2023	
Ex. #	CC-4	CC letter re: Motion - Round I Information Requests - February 8, 2023	
Ex. #	CC-5	CC letter re: Response to Round I IR Motion - February 14, 2023	
Ex. #	CC-6	<b>CC-MH Round II Information Requests (1-138) - February 15, 2023</b>	
Ex. #	CC-6-1	CC-MH I-1a-c	SWOT analysis - risks
Ex. #	CC-6-2	CC-MH I-2c / 8a	Manitoba Government Energy Policy
Ex. #	CC-6-3	CC-MH I-3a-d	Mission Statement
Ex. #	CC-6-4	CC-MH I-4d,h	Enterprise Wife Initiatives
Ex. #	CC-6-5	CC-MH I-5	EPMO Costs
Ex. #	CC-6-6	CC-MH I-6c,h,l,j	O&A
Ex. #	CC-6-7	CC-MH I-7b,f, PUB-MH I-8f, 21a	Enterprise Risk Management (ERM) framework
Ex. #	CC-6-8	CC-MH I-9b, PUB-MH I-17a	NPV calculation
Ex. #	CC-6-9	CC-MH I-10	payments to government
Ex. #	CC-6-10	CC-MH I-11b, MIPUG-MH I-22c	Government Debt Ratio Target
Ex. #	CC-6-11	CC-MH I-13, AMC-MH I-37	cumulative residential differentiated rate increases for the last 10 years
Ex. #	CC-6-12	CC-MH I-18a,c	Regulatory Cost forecast
Ex. #	CC-6-13	CC-MH I-19c,d	2021/22 Interim Rate Proceedings
Ex. #	CC-6-14	CC-MH I-27b	EBITDA Interest Coverage Ratio
Ex. #	CC-6-15	CC-MH I-29, PUB-MH I-25a	Updated chart with winter 2022 interest rates
Ex. #	CC-6-16	CC-MH I-30b	Export Volumes / Revenues
Ex. #	CC-6-17	CC-MH I-34	Underlying debt rates and projected refinancing rates
Ex. #	CC-6-18	CC-MH I-35a,c,e	Net income/assets
Ex. #	CC-6-19	CC-MH I-36a	Drought sensitivity

Ex. #	CC-6-20	CC-MH I-37b,c, PUB-MH I-132	Regulatory framework contained in Bill 36
Ex. #	CC-6-21	CC-MH I-39b, PUB-MH I-112	Depreciation and finance expense
Ex. #	CC-6-22	CC-MH I-41c-f	Depreciation deferral accounts
Ex. #	CC-6-23	CC-MH I-42f,g	Major capital projects deferral account
Ex. #	CC-6-24	CC-MH I-43a-h	Alternate CC Rate Scenario
Ex. #	CC-6-25	CC-MH I-44	Historical Floating Rate Debt
Ex. #	CC-6-26	CC-MH I-46	Debt Management Strategy
Ex. #	CC-6-27	CC-MH I-48	Interest Rates
Ex. #	CC-6-28	CC-MH I-67, 77	O&A Expenses - Major Capital Projects
Ex. #	CC-6-29	CC-MH I-68, GSS-GSM-MH I-5, MIPUG-MH I-45	Gross FTEs
Ex. #	CC-6-30	CC-MH I-70	O&A - Trainee programs
Ex. #	CC-6-31	CC-MH I-76b	O&A cloud computing
Ex. #	CC-6-32	CC-MH I-78a	GREP project
Ex. #	CC-6-33	CC-MH I-80, PUB-MH I-78	Updated chart with 2019/20 base year
Ex. #	CC-6-34	CC-MH I-81c-d	Employee benefit costs
Ex. #	CC-6-35	CC-MH I-83a, PUB-MH I-71a-c	Year to year variances in FTE's
Ex. #	CC-6-36	CC-MH I-83c	Analysis of O&A changes
Ex. #	CC-6-37	CC-MH I-89b, PUB-MH I-93	AMI Assessment
Ex. #	CC-6-38	CC-MH I-131, 133	PCOSS
Ex. #	CC-6-39	CC-MH I-131e	Actual Cost of Service Study (ACOSS)
Ex. #	CC-6-40	CC-MH I-133a	Vegetation management costs
Ex. #	CC-6-41	CC-MH I-133a	PCOSS
Ex. #	CC-6-42	CC-MH I-134b	Consulting & Professional Fees
Ex. #	CC-6-43	CC-MH I-62c	Keeyask investment



Ex. #	CC-6-44	CC-MH I-134c,d	Keyask revenue
Ex. #	CC-6-45	CC-MH I-135a,b	Bipole III
Ex. #	CC-6-46	CC-MH I-136c-e	GNTL, MMTP - PCOSS24
Ex. #	CC-6-47	CC-MH I-136f	OATT
Ex. #	CC-6-48	CC-MH I-137a	Reconciliation of Revenue Requirement between PCOSS18, PCOSS21, and PCOSS24
Ex. #	CC-6-49	CC-MH I-138b	Water rental costs
Ex. #	CC-6-50	CC-MH I-138b,g	Water rentals
Ex. #	CC-6-51	CC-MH I-138f-g	Refiled responses
Ex. #	CC-6-52	CC-MH I-139	Full justification associated with the LED conversion program
Ex. #	CC-6-53	CC-MH I-140	RCC Impacts by Class
Ex. #	CC-6-54	CC-MH I-142, 143	Zone of Reasonableness
Ex. #	CC-6-55	CC-MH I-142	below ZOR
Ex. #	CC-6-56	CC-MH I-143b	Moving rates to unity
Ex. #	CC-6-57	CC-MH I-145	Marginal cost
Ex. #	CC-6-58	CC-MH I-149a	Rate Objectives
Ex. #	CC-6-59	CC-MH I-152a,b	Revenue
Ex. #	CC-6-60	CC-MH I-154	G&T costs / NER
Ex. #	CC-6-61	CC-MH I-154	high-level assessment
Ex. #	CC-6-62	CC-MH I-156	RCC
Ex. #	CC-6-63	CC-MH I-126b	Customer views
Ex. #	CC-6-64	CC-MH I-126e-f	Research
Ex. #	CC-6-65	CC-MH I-126w	Survey questions
Ex. #	CC-6-66	CC-MH I-127b	MaxDiff trade-off analysis
Ex. #	CC-6-67	CC-MH I-51a, 64a	Load Growth

Ex. #	CC-6-68	CC-MH I-53a-b	Gross Firm Energy
Ex. #	CC-6-69	CC-MH I-56a	Updated table
Ex. #	CC-6-70	CC-MH I-63e	DSM
Ex. #	CC-6-71	CC-MH I-63e	Codes and Standards
Ex. #	CC-6-72	CC-MH I-64	Refiled table
Ex. #	CC-6-73	CC-MH I-25a-d	Debt reduction
Ex. #	CC-6-74	CC-MH I-20a	Deferral of Capital Expenditures
Ex. #	CC-6-75	CC-MH I-21a	Bi lateral firming contracts
Ex. #	CC-6-76	CC-MH I-91a-e	Other category
Ex. #	CC-6-77	CC-MH I-92a-d	Major event days
Ex. #	CC-6-78	CC-MH I-92a-d	Equipment failures
Ex. #	CC-6-79	CC-MH I-93a-b	Equipment
Ex. #	CC-6-80	CC-MH I-93a-b	26 value measures, and 26 quantified risk values
Ex. #	CC-6-81	CC-MH I-94a	Desired levels of performance and risk
Ex. #	CC-6-82	CC-MH I-95a	SAIDI and SAIFI
Ex. #	CC-6-83	CC-MH I-97a-c	Equipment and asset classes
Ex. #	CC-6-84	CC-MH I-99a-h	Temperatures
Ex. #	CC-6-85	CC-MH I-99a-h	Load duration curve
Ex. #	CC-6-86	CC-MH I-99a-h	Outages
Ex. #	CC-6-87	CC-MH I-100a	AHI methodologies
Ex. #	CC-6-88	CC-MH I-101a	Depreciation and Economic Life
Ex. #	CC-6-89	CC-MH I-102a-c	Capital Investment Cost per Year
Ex. #	CC-6-90	CC-MH I-105a	Generator Rotors, Generator Stators
Ex. #	CC-6-91	CC-MH I-105a	HVDC Converters - Valve Groups

Ex. #	CC-6-92	CC-MH I-105a	HVDC Converters - Control and Protection
Ex. #	CC-6-93	CC-MH I-105a	HVDC Converters - DC Wall Bushings
Ex. #	CC-6-94	CC-MH I-105a	HVDC Converters - Voltage Divider
Ex. #	CC-6-95	CC-MH I-105a	HVDC Converters - DC Current Transducer
Ex. #	CC-6-96	CC-MH I-105a	High Speed Switches
Ex. #	CC-6-97	CC-MH I-105a	Cabling associated with DC yard equipment
Ex. #	CC-6-98	CC-MH I-106a-d	Run to failure assets
Ex. #	CC-6-99	CC-MH I-108a-e	Investment risk
Ex. #	CC-6-100	CC-MH I-108a-e	Domestic Peak and Load
Ex. #	CC-6-101	CC-MH I-108a-e	Excess Capacity payments
Ex. #	CC-6-102	CC-MH I-108a-e	Domestic load
Ex. #	CC-6-103	CC-MH I-109a	Pointe du Bois refurbishment
Ex. #	CC-6-104	CC-MH I-109a Attachment 1	Export Sales
Ex. #	CC-6-105	CC-MH I-110a-b	Efficiency investment
Ex. #	CC-6-106	CC-MH I-113a	Peak capacity
Ex. #	CC-6-107	CC-MH I-114b-c	firm obligations
Ex. #	CC-6-108	CC-MH I-114b-c	Full technical capability
Ex. #	CC-6-109	CC-MH I-115a-c	Pointe du Bois Unit Replacement Project
Ex. #	CC-6-110	CC-MH I-116a-c	SW Load Duration Curve
Ex. #	CC-6-111	CC-MH I-117a-c	Dorsey
Ex. #	CC-6-112	CC-MH I-117a-c	Consequences
Ex. #	CC-6-113	CC-MH I-117a-c	Remedial Action Scheme
Ex. #	CC-6-114	CC-MH I-118a-c	Upgrade costs
Ex. #	CC-6-115	CC-MH I-119a-c	Long Spruce and Kettle

Ex. #	CC-6-116	CC-MH I-120a-d	AMI Business Case
Ex. #	CC-6-117	CC-MH I-122a-m	Pointe du Bois, Wuskwatim
Ex. #	CC-6-118	CC-MH I-122a-m	Business Cases
Ex. #	CC-6-119	CC-MH I-122a-m	CVF Model
Ex. #	CC-6-120	CC-MH I-122a-m	Consistent basis for comparison
Ex. #	CC-6-121	CC-MH I-122a-m	Asset management and risk management processes
Ex. #	CC-6-122	CC-MH I-122a-m	Resource Plan and Program spending
Ex. #	CC-6-123	CC-MH I-122a-m	Storage
Ex. #	CC-6-124	CC-MH I-122a-m, Attachment 1	Value Points were calculated for Lost Generation Risk and Financial Risk
Ex. #	CC-6-125	CC-MH I-122a-m, Attachment 1	Lost Generation Risk, Financial Risk and Generation Revenue Benefit
Ex. #	CC-6-126	CC-MH I-122a-m, Attachment 1	Value points attributed to Generation Revenue Benefit
Ex. #	CC-6-127	CC-MH I-122a-m, Attachment 1	Security, Compliance and Lost Generation Risk
Ex. #	CC-6-128	CC-MH I-122a-m, Attachment 1	Corporate Value Framework
Ex. #	CC-6-129	CC-MH I-122b-m Attachment 2	Dorsey Synchronous Condenser
Ex. #	CC-6-130	CC-MH I-122b-m Attachment 2	HVDC Wall Bushing investments
Ex. #	CC-6-131	CC-MH I-123a-d	Grand Rapids -Kaplan
Ex. #	CC-6-132	CC-MH I-123a-d	Draft tube
Ex. #	CC-6-133	CC-MH I-124a-c	T-SAIDI and T-SAIFI
Ex. #	CC-6-134	CC-MH I-129a	Manitoba Priorities
Ex. #	CC-6-135	CC-MH I-158a-c	Optimized system performance
Ex. #	CC-6-136	CC-MH I-160a-e	Copperleaf asset investment planning tool (the Corporate Value Framework ("CVF"))
Ex. #	CC-6-137	CC-MH I-160a-e	Incremental risks due to deferrals
Ex. #	CC-6-138	CC-MH I-160a-e	Capital investment justification
Ex. #	CC-6-139	CC-MH I-91e Updated	Advanced Metering Infrastructure and Grid Modernization

Ex. #	CC-7	Intervener Evidence - Revenue Requirement Evidence - Mr. Darren Rainkie - April 3, 2023
Ex. #	CC-8	Intervener Evidence - Midgard Consulting Incorporated - April 3, 2023
Ex. #	CC-9	Intervener Evidence - Review of Certain MH Financial Issues - MPA Morrison Park Advisors Inc. - April 3, 2023
Ex. #	CC-9-1	Errata MPA Report - April 28, 2023
Ex. #	CC-10	Intervener Evidence - Kelly Derksen - April 3, 2023
Ex. #	CC-11	Consumers Coalition Comments - Offsetting 2022/23 Net Income Against RDA Balances - P. Bowman's Recommendation 4 - April 21, 2023

**EXHIBIT LIST FOR  
MANITOBA HYDRO**

May 8, 2023

**GENERAL SERVICE SMALL / GENERAL SERVICE MEDIUM (GSS-GSM)**

Ex. #	GSS-GSM-1	GSS-GSM Intervener Application - November 24, 2022	
Ex. #	GSS-GSM-2	<b>GSS-GSMMH Round I Information Requests (1-8) - December 20, 2022</b>	
Ex. #	GSS-GSM-2-1	" " " "	International Financial Reporting Standards (IFRS)
Ex. #	GSS-GSM-2-2	" " " "	IFRS-compliant ASL method
Ex. #	GSS-GSM-2-3	" " " "	Short and Long term trends
Ex. #	GSS-GSM-2-4	" " " "	Budgeting
Ex. #	GSS-GSM-2-5	" " " "	Vacancy
Ex. #	GSS-GSM-2-6	" " " "	SAP and IT Costs
Ex. #	GSS-GSM-2-7	" " " "	Vegetation Management
Ex. #	GSS-GSM-2-8	" " " "	Forecast
<b>Ex. #</b>	<b>GSS-GSM-2-9</b>	" " " "	PCOSS24 RCC Results
Ex. #	GSS-GSM-2-10	" " " "	Zone of Reasonableness
Ex. #	GSS-GSM-2-11	" " " "	General Service Consumption Profiles
Ex. #	GSS-GSM-2-12	" " " "	Figure 8.12-8.14 working excel file
Ex. #	GSS-GSM-2-13	" " " "	Comparison to other jurisdictions
Ex. #	GSS-GSM-2-14	" " " "	Proposed Rates GSS and GSM
Ex. #	GSS-GSM-3	GSS-GSM letter to MH re: Round I Information Requests - January 13, 2023	
Ex. #	GSS-GSM-4	<b>GSS-GSM-MH Round II Information Requests (1-7) - February 15, 2023</b>	
Ex. #	GSS-GSM-4-1	GSS-GSM-MH I-1i	Attachment - Updated Table

Ex. #	GSS-GSM-4-2	GSS-GSM-MH I-2	Manitoba Hydro under ELG and ASL
Ex. #	GSS-GSM-4-3	GSS-GSM-MH I-3d	Updated Table
Ex. #	GSS-GSM-4-4	GSS-GSM-MH I-4e	Forecast costs
Ex. #	GSS-GSM-4-5	GSS-GSM-MH I-5b-c	Vacancies
Ex. #	GSS-GSM-4-6	GSS-GSM-MH I-6a-k	SAP S/4HANA Cloud
Ex. #	GSS-GSM-4-7	GSS-GSM-MH I-7a-c	Vegetation Management
Ex. #	GSS-GSM-5	Written Intervener Evidence - Dustin Madsen - Emrydia Consulting Corporation - April 3, 2023	
Ex. #	GSS-GSM-6	GSS-GSM letter re: P. Bowman's Recommendation 4 - April 21, 2023	



**EXHIBIT LIST FOR  
MANITOBA HYDRO**

May 8, 2023

**MANITOBA INDUSTRIAL POWER USERS GROUP (MIPUG)**

Ex. #	MIPUG-1	MIPUG Intervener Application - November 24, 2022				
Ex. #	MIPUG-2	MIPUG Comments on Pre-Hearing Conference #1 - December 5, 2022				
Ex. #	MIPUG-3	<b>MIPUG-MH Round I Information Requests (1-94) - December 20, 2022</b>				
Ex. #	MIPUG-3-1	"	"	"	"	Decentralization
Ex. #	MIPUG-3-2	"	"	"	"	Prosumers and Cost Recovery
Ex. #	MIPUG-3-3	"	"	"	"	Digitalization
Ex. #	MIPUG-3-4	"	"	"	"	Government Funding Opportunities
Ex. #	MIPUG-3-5	"	"	"	"	Business unit reorganization
Ex. #	MIPUG-3-6	"	"	"	"	ERM and Corporate Risks
Ex. #	MIPUG-3-7	"	"	"	"	Potential Future Landscapes
Ex. #	MIPUG-3-8	"	"	"	"	Key Scenario and Inputs
Ex. #	MIPUG-3-9	"	"	"	"	Our Promise # 3 - Initiatives - Energy Services Advisors
Ex. #	MIPUG-3-10	"	"	"	"	Our Promise # 3 - Initiatives - Electric Vehicles
Ex. #	MIPUG-3-11	"	"	"	"	Our Promise # 3 - Initiatives - Customer segments
Ex. #	MIPUG-3-12	"	"	"	"	Our Promise # 4 - Initiatives - Manitoba Economic Development Office
Ex. #	MIPUG-3-13	"	"	"	"	Our Promise # 5 - Initiatives - Optimizing Investment
Ex. #	MIPUG-3-14	"	"	"	"	Implications of the 3Ds on Manitoba Hydro
Ex. #	MIPUG-3-15	"	"	"	"	Strategic Initiative 5.1 - Capital



Ex. #	MIPUG-3-16	"	"	"	"	Financial Plan Key highlights
Ex. #	MIPUG-3-17	"	"	"	"	Investing in Customer Journeys
Ex. #	MIPUG-3-18	"	"	"	"	Continuous Improvement Initiatives
Ex. #	MIPUG-3-19	"	"	"	"	Enterprise scorecard - Reliability and Safety
Ex. #	MIPUG-3-20	"	"	"	"	Inflationary Rate Path
Ex. #	MIPUG-3-21	"	"	"	"	Extreme Variability Inherent in MH's Operations
Ex. #	MIPUG-3-22	"	"	"	"	Improvement in Financial Health
Ex. #	MIPUG-3-23	"	"	"	"	Projected Cash Flow Surplus/Deficit
Ex. #	MIPUG-3-24	"	"	"	"	System Investments Funded using Cash from Operations
Ex. #	MIPUG-3-25	"	"	"	"	Rate Path and Capital Structure
Ex. #	MIPUG-3-26	"	"	"	"	Net Income Commensurate and Asset Base
Ex. #	MIPUG-3-27	"	"	"	"	ROE and BC Hydro and Hydro Quebec
Ex. #	MIPUG-3-28	"	"	"	"	Forced outage rates for BP 1 through 3
Ex. #	MIPUG-3-29	"	"	"	"	Continuous Evaluation and Process Improvement
Ex. #	MIPUG-3-30	"	"	"	"	Redeployment of FTEs
Ex. #	MIPUG-3-31	"	"	"	"	Tree Site Investigations
Ex. #	MIPUG-3-32	"	"	"	"	Trades Trainee Program impact on Customer in-service dates
Ex. #	MIPUG-3-33	"	"	"	"	Customer Engagement Center FTEs
Ex. #	MIPUG-3-34	"	"	"	"	O&A Expense by Cost Category
Ex. #	MIPUG-3-35	"	"	"	"	Motor vehicle Expenses
Ex. #	MIPUG-3-36	"	"	"	"	Cloud Computing Services
Ex. #	MIPUG-3-37	"	"	"	"	O&A Costs for New Assets associated with the Major Projects
Ex. #	MIPUG-3-38	"	"	"	"	Vegetation management
Ex. #	MIPUG-3-39	"	"	"	"	Capitalization Rate

Ex. #	MIPUG-3-40	"	"	"	"	Maintenance Work
Ex. #	MIPUG-3-41	"	"	"	"	Capitalization Rate
Ex. #	MIPUG-3-42	"	"	"	"	Incremental Direct COVID-19 costs
Ex. #	MIPUG-3-43	"	"	"	"	Supply Chain costs
Ex. #	MIPUG-3-44	"	"	"	"	Manitoba CPI
Ex. #	MIPUG-3-45	"	"	"	"	FTE by Business Unit
Ex. #	MIPUG-3-46	"	"	"	"	Overtime forecast
Ex. #	MIPUG-3-47	"	"	"	"	FTE per unity of Generation
Ex. #	MIPUG-3-48	"	"	"	"	System cost profile: Supply Side Enhancements, DSM investment and Rate Design
Ex. #	MIPUG-3-49	"	"	"	"	Classification of cash flow as operating versus investing activities
Ex. #	MIPUG-3-50	"	"	"	"	Changes to generation, export volumes and load forecast assumptions
Ex. #	MIPUG-3-51	"	"	"	"	Absolute reductions in net debt
Ex. #	MIPUG-3-52	"	"	"	"	Risk and Uncertainty
Ex. #	MIPUG-3-53	"	"	"	"	System cost profile: Supply Side Enhancements, DSM investment and Rate Design
Ex. #	MIPUG-3-54	"	"	"	"	Functionalization
Ex. #	MIPUG-3-55	"	"	"	"	Asset life parameters including Turbines and Generators and Governors
Ex. #	MIPUG-3-56	"	"	"	"	Depreciation study
Ex. #	MIPUG-3-57	"	"	"	"	2021 Electric Load Scenario
Ex. #	MIPUG-3-58	"	"	"	"	Updates to 2021 Electric Load Scenario Model
Ex. #	MIPUG-3-59	"	"	"	"	Impact of Assumed Rate Trajectory
Ex. #	MIPUG-3-60	"	"	"	"	Disposable Income and Real GDP Assumptions
Ex. #	MIPUG-3-61	"	"	"	"	Demand Side Management Savings
Ex. #	MIPUG-3-62	"	"	"	"	Electricity Use by Sector and Rate Class
Ex. #	MIPUG-3-63	"	"	"	"	Variation in Distribution and Transmission Losses

Ex. #	MIPUG-3-64	"	"	"	"	GS Top Consumers
Ex. #	MIPUG-3-65	"	"	"	"	GS Top Consumers -PLIL
Ex. #	MIPUG-3-66	"	"	"	"	Plug-In Electric Vehicle Forecast
Ex. #	MIPUG-3-67	"	"	"	"	Solar Behind-the-Meter Generation
Ex. #	MIPUG-3-68	"	"	"	"	COVID Impacts
Ex. #	MIPUG-3-69	"	"	"	"	Electrification and Space and Water Heating
Ex. #	MIPUG-3-70	"	"	"	"	Surplus Energy Program
Ex. #	MIPUG-3-71	"	"	"	"	Generation system performance
Ex. #	MIPUG-3-72	"	"	"	"	HWFOF and HWAF
Ex. #	MIPUG-3-73	"	"	"	"	T SAIFI and T SAIDI metrics
Ex. #	MIPUG-3-74	"	"	"	"	Bipole Forced outages
Ex. #	MIPUG-3-75	"	"	"	"	Distribution SAIDI and SAIFI metrics
Ex. #	MIPUG-3-76	"	"	"	"	Document Asset Class Strategies
Ex. #	MIPUG-3-77	"	"	"	"	WLC model and Economic Life
Ex. #	MIPUG-3-78	"	"	"	"	2032 incremental sustainment capital
Ex. #	MIPUG-3-79	"	"	"	"	Investment decision making
Ex. #	MIPUG-3-80	"	"	"	"	Capital Expenditure - Project Costs
Ex. #	MIPUG-3-81	"	"	"	"	Capital Expenditure - Reconciliation with Financial Statements
Ex. #	MIPUG-3-82	"	"	"	"	Capital Expenditures - Projects
Ex. #	MIPUG-3-83	"	"	"	"	Capital Expenditures - Costs Estimates
Ex. #	MIPUG-3-84	"	"	"	"	Capital Expenditures - Programs
Ex. #	MIPUG-3-85	"	"	"	"	Asset Management Sustainment Spending
Ex. #	MIPUG-3-86	"	"	"	"	Capital Expenditures Customer Connections
Ex. #	MIPUG-3-87	"	"	"	"	Capital Coverage Ratio

Ex. #	MIPUG-3-88	"	"	"	"	Turbine Replacement
Ex. #	MIPUG-3-89	"	"	"	"	Hydraulic Generation Overhauls
Ex. #	MIPUG-3-90	"	"	"	"	Supply Side enhancements
Ex. #	MIPUG-3-91	"	"	"	"	IFRS Compliant Depreciation
Ex. #	MIPUG-3-92	"	"	"	"	IFRS Compliant Depreciation Study
Ex. #	MIPUG-3-93	"	"	"	"	Concentric Depreciation Study Data
Ex. #	MIPUG-3-94	"	"	"	"	Gains and Losses
<b>Ex. #</b>	<b>MIPUG-3-95</b>	"	"	"	"	Curtable Rate Program
Ex. #	MIPUG-3-96	"	"	"	"	Curtable Rate Annual Reports
Ex. #	MIPUG-3-97	"	"	"	"	CRP Curtailment History
Ex. #	MIPUG-3-98	"	"	"	"	Limits on Total Curtable Load
Ex. #	MIPUG-3-99	"	"	"	"	Interim Measure Suspending New Enrollments
Ex. #	MIPUG-3-100	"	"	"	"	Revenue Neutrality
Ex. #	MIPUG-3-101	"	"	"	"	Surplus Energy Program - Participation
Ex. #	MIPUG-3-102	"	"	"	"	Surplus Energy Program - Changes in Market Conditions and Priorities
Ex. #	MIPUG-3-103	"	"	"	"	Surplus Energy Program - Changes to Terms and Conditions
Ex. #	MIPUG-3-104	"	"	"	"	Surplus Energy Program Approvals by PUB - SEP Application Filings
Ex. #	MIPUG-3-105	"	"	"	"	Surplus Energy Program Metering - Peak Demand
Ex. #	MIPUG-3-106	"	"	"	"	Operating and Expenses Allocators
Ex. #	MIPUG-3-107	"	"	"	"	Capital Expenditure deferral
Ex. #	MIPUG-3-108	"	"	"	"	General Service Large RCCs
Ex. #	MIPUG-3-109	"	"	"	"	Demand and Energy Rate Rebalancing
Ex. #	MIPUG-3-110	"	"	"	"	General Service Large Definition of Billing Demand
Ex. #	MIPUG-3-111	"	"	"	"	Rate Objective Assessment - Demand Charges

Ex. #	MIPUG-3-112	"	"	"	"	PCOSS Input Data
Ex. #	MIPUG-3-113	"	"	"	"	PCOSS Customer Service Costs
Ex. #	MIPUG-3-114	"	"	"	"	PCOSS Output Data
Ex. #	MIPUG-3-115	"	"	"	"	PCOSS Methods
Ex. #	MIPUG-3-116	"	"	"	"	Bill Comparisons - Load Factors
Ex. #	MIPUG-3-117	"	"	"	"	Figure 8.14 - General Service Medium Consumption Profile
Ex. #	MIPUG-3-118	"	"	"	"	General Service Large Rate Classes
Ex. #	MIPUG-3-119	"	"	"	"	Rebalancing of Demand and Energy
Ex. #	MIPUG-3-120	"	"	"	"	Bill Impacts - Proposed Changes to Definition of Demand
Ex. #	MIPUG-4	MIPUG letter to MH re: Round I Information Requests Objections - January 13, 2023				
Ex. #	MIPUG-5	<b>MIPUG-MH Round II Information Requests (1-33) - February 15, 2023</b>				
Ex. #	MIPUG-5-1	MIPUG-MH I-119b	Capacity and Energy Re-Balancing			
Ex. #	MIPUG-5-2	MIPUG-MH I-62a-c	Mass Market Segment Breakdown			
Ex. #	MIPUG-5-3	MIPUG-MH I-66d	Plug-In Electric Vehicle Charging			
Ex. #	MIPUG-5-4	MIPUG-MH I-70a-c	SEP Participation			
Ex. #	MIPUG-5-5	MIPUG-MH I-99a-d	Review of SEP Program			
Ex. #	MIPUG-5-6	MIPUG-MH I-100i	SEP Revenue Neutrality			
Ex. #	MIPUG-5-7	MIPUG-MH I-101e	Treatment of SEP Customers			
Ex. #	MIPUG-5-8	MIPUG-MH I-105a	SEP Peak Demands			
Ex. #	MIPUG-5-9	PUB-MH I-39a	Forecast Load Growth - Changes in Future Rate Projections			
Ex. #	MIPUG-5-10	MIPUG-MH I-60a	Forecast Load Growth - Growth in Disposable Income and GDP			
Ex. #	MIPUG-5-11	MIPUG-MH I-61d	DSM Savings - Load Displacement Savings			
Ex. #	MIPUG-5-12	MIPUG-MH I-112d	Load Duration Curves			
Ex. #	MIPUG-5-13	MIPUG-MH I-112a-b, 54a-d	Substation Cost Allocations			

Ex. #	MIPUG-5-14	MIPUG-MH I-109	Energy, Demand and Supply Assumptions
Ex. #	MIPUG-5-15	MIPUG-MH I-16	Hedging Strategies
Ex. #	MIPUG-5-16	MIPUG-MH I-18	Improvement initiatives
Ex. #	MIPUG-5-17	MIPUG-MH I-19	SAIFI
Ex. #	MIPUG-5-18	MIPUG-MH I-20a-b	Inflation
Ex. #	MIPUG-5-19	MIPUG-MH I-21	Extreme Variability Inherent in MH's Operations
Ex. #	MIPUG-5-20	MIPUG-MH I-29	Improvement Initiatives
Ex. #	MIPUG-5-21	MIPUG-MH I-31a-b	Costs for implementation
Ex. #	MIPUG-5-22	MIPUG-MH I-34a-b	Cost forecasts
Ex. #	MIPUG-5-23	MIPUG-MH I-84a-b	Rolling average forecast method
Ex. #	MIPUG-5-24	MIPUG-MH I-1b, 13	Rate Design and Price Signals - Demand Charges
Ex. #	MIPUG-5-25	MIPUG-MH I-90, 55	AMI Capital Investment and Rate Design
Ex. #	MIPUG-5-26	MIPUG-MH I-48	Marginal Values
Ex. #	MIPUG-5-27	MIPUG-MH I-94a-d, PUB-MH I-130 Attachment	Gains and Losses
Ex. #	MIPUG-5-28	MIPUG-MH I-91r	Depreciation - Whole Life v. Remaining Life Comparisons
Ex. #	MIPUG-5-29	MIPUG-MH I-115b	Depreciation - IFRS restatement
Ex. #	MIPUG-5-30	MIPUG-MH I-53d	Loss of Disposal - Selkirk
Ex. #	MIPUG-5-31	MIPUG-MH I-81a-e	Depreciation - ALG Comparison Concentric v. Alliance
Ex. #	MIPUG-5-32	MIPUG-MH I-50a, 115d	PCOSS methods, Transmission Losses
Ex. #	MIPUG-5-33	MIPUG-MH I-52a-d	Risk Scenarios
Ex. #	MIPUG-6	InterGroup Intervener Evidence - April 3, 2023	
Ex. #	MIPUG-7	MIPUG letter to PUB re: Pre Hearing Conference #2 - April 5, 2023	
Ex. #	MIPUG-8	<b>MIPUG-CC Intervener Evidence Information Requests (1-7) - April 14, 2023</b>	
Ex. #	MIPUG-8-1	" " " "	Cost of Service

Ex. #	MIPUG-8-2	"	"	"	"	Midgard - Customer Opinions
Ex. #	MIPUG-8-3	"	"	"	"	Midgard - Operations and Maintenance Spending
Ex. #	MIPUG-8-4	"	"	"	"	Midgard - Reliability - Impacts from Events outside of MH control
Ex. #	MIPUG-8-5	"	"	"	"	Midgard - Reliability - Transmission and sub-transmission served customers
Ex. #	MIPUG-8-6	"	"	"	"	Midgard - Reliability - Vegetation Management
Ex. #	MIPUG-8-7	"	"	"	"	Midgard - Reliability performance of generation
Ex. #	MIPUG-9	MIPUG Submission in respect of P. Bowman Recommendation # 4 - April 21, 2023				
Ex. #	MIPUG-10	MIPUG Reply in respect of P. Bowman Recommendation #4 - April 26, 2023				



EXHIBIT LIST FOR  
**MANITOBA HYDRO**

May 8, 2023

**MANITOBA KEEWATINOWI OKIMAKANAK (MKO)**

Ex. #	MKO-1	MKO Intervener Application - November 24, 2022	
Ex. #	MKO-2	<b>MKO-MH Round I Information Requests (1-12) - December 20, 2022</b>	
Ex. #	MKO-2-1	" " " "	Number of customers per group
Ex. #	MKO-2-2	" " " "	Aggregated amount billed by group
Ex. #	MKO-2-3	" " " "	Aggregated amount billed by group / total number of customers
Ex. #	MKO-2-4	" " " "	Aggregated amount of unpaid arrears by group
Ex. #	MKO-2-5	" " " "	Aggregated amount of unpaid arrears by group / total number of customers
Ex. #	MKO-2-6	" " " "	Accumulated aggregate amount of unpaid arrears by group
Ex. #	MKO-2-7	" " " "	Accumulated aggregate amount of unpaid arrears by group / total number of customers
Ex. #	MKO-2-8	" " " "	Unpaid Arrears
Ex. #	MKO-2-9	" " " "	meaningful solutions
Ex. #	MKO-2-10	" " " "	Settlement Agreement - Diesel Zone
Ex. #	<b>MKO-2-11</b>	" " " "	Rate Increase for Residential Customers 2023/24
Ex. #	MKO-2-12	" " " "	Rate Increase for Residential Customers 2024/25
Ex. #	MKO-2-13	" " " "	Diesel Zone forecast 2023/2024
Ex. #	MKO-2-14	" " " "	Diesel Zone forecast 2024/2025
Ex. #	MKO-3	<b>MKO-MH Round II Information Requests (1-2) - February 15, 2023</b>	
Ex. #	MKO-3-1	MKO-MH I-10a-b	Settlement Agreement - Diesel Zone
Ex. #	MKO-3-2	AMC-MH I-30a-e	Disconnected Accounts - Electricity cost effects on First Nation Northern residential customers