Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
GENERAL FUNCTIONS per O. Reg. 402/22					
	Governance (Current)	CA Board of Directors, Advisory Committees, Corporate Strategy, reports, CA meetings, events, media.	O. Reg. 402/22 - General	General	Operating
	Administration (Current)	Section 39 MNRF funding eligible. <u>Office of the CAO:</u> CAO, Secretary Treasurer, Executive Assistant <u>Financial Services:</u> Annual budget, accounts payable and receivable, financial analysis, risk mitigation and audit, administration of reserves, financial reports for funding agencies, CRA reports, insurance applications, maintenance, property tax. <u>Human Resources:</u> Attendance records, payroll, benefits program administration, employment, personnel policy, performance management, health and safety, WSIB, Employee Assistance Program. <u>Geographical Information Systems (GIS):</u> GIS maintenance and support, CA map layer updates, data sharing/ licence agreements. <u>Corporate communications:</u> marketing, website updates, corporate events, support media relations, corporate publications incl. Annual Report, factsheets, brochures.	O. Reg. 402/22 - General Operating Expenses.	General	Operating
A. Corporate Services/ General Functions	Legal Expenses (Current)	Costs related to agreements, contracts, litigation matters, administrative by-law updates, etc.	O. Reg. 402/22 - General Operating Expenses.	General	Operating
These are operating expenses and capital costs that are not	Information Technology/Management (IT/IM), (Current)	Hardware (servers, computers, phones, etc.)	O. Reg. 402/22 - General Operating Expenses.	General	Capital
related to the provision of a program or service but provide a corporate-wide supporting	Information Technology/Management (IT/IM), (Current)	Software, IT troubleshooting, cyber security, data management system, records retention	CA Act S. 20. O. Reg. 402/22 - General Capital Costs.	General	Operating
function. These were previously called Administration, Interpretive Centre and Outreach (operating),	Office Equipment (Current)	Administrative office equipment	CA Act S. 20. O. Reg. 402/22 - General Capital Costs.	General	Capital
Central Services (capital) programs in the 2023 NBMCA budget book.	Office Supplies (Current)	Administrative office supplies	O. Reg. 402/22 - General Operating Expenses.	General	Operating
buaget book.	Administration Buildings (Current)	Administrative office and workshop used to support staff, programs and services. Includes utilities, insurance, phone bills, property tax. Includes minor maintenance and repair.	O. Reg. 402/22 - General Operating Expenses.	General	Operating
		Administrative office and workshop used to support staff, programs and services. Includes major capital asset improvements and new capital assets.	CA Act S. 20. O. Reg. 402/22 - General Capital Costs.	General	Capital
	Communications, Outreach and Education (Current)	Promoting public awareness of natural hazards including flooding, drought, and erosion. Public events, materials. Social media services.	Reg. 686/21 s.1(2) Reg. 686/21 s.1(3)3,4	General	Operating
		Vehicle and equipment fuel, licenses. Includes routine maintenance and repair.	O. Reg. 402/22 - General Operating Expenses.	General	Operating
	Vehicles and Equipment (Current)	Vehicle fleet and machinery/ equipment purchase, disposal, major repair. Vehicle and equipment program through internal charge to programs to fund maintenance and purchase.	CA Act S. 20. O. Reg. 402/22 - General Capital Costs.	General	Capital

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 1 (MANDATORY): NA					
B. Planning and Regulations The main goal is to protect life and property from natural hazards specified in O. Reg. 686/21. These were previously called Section 28 Operating and Watershed Planning programs in the 2023 NBMCA budget book.	Section 28 Permissions (Current)	CA Act Section 28 Permissions including review and processing permit applications, site visits, technical reports, customer service, communication with applicants, agents, consultants, legal costs, enforcement and compliance.	CA Act S. 21.1(1) 1(i), S.28. O. Reg. 686/21 S.1 - Risk of Natural Hazards, S. 8 - Administer and enforce the Act.	Category 1	Operating
	Natural Hazard Plan Input and Review (Current) – Member Municipalities and Planning Boards	Section 39 MNRF funding eligible. Input: To municipal land-use planning documents (Official Plan, Comprehensive Zoning By-law, Secondary plans) related to natural hazards, on behalf of MNRF (delegated to CAs in 1983)). Review: Technical information and comments to municipalities on circulated municipal land use planning applications (Official Plan and Zoning By-law Amendments, Subdivisions, Condominium, Site Plan Approvals, Consents, Minor Variances, etc.).	CA Act S. 21.1(1) 1(i). O. Reg. 686/21 S.1 - Risk of Natural Hazards, S.7 - Plan Review, Comments.	Category 1	Operating
	Natural Hazard Plan Input and Review – Unincorporated Areas	Providing comments on applications for Unincorporated Areas in CA area of jurisdiction (Phelps, Olrig, Boulter, Lauder, Ballantyne, Wilkes, Pentland, Boyd, Biggar, Osler, Lister). Comments are made directly to the Ministry of Municipal Affairs and Housing (MMAH), when requested by the Ministry and within their timeframes, on applications or other matters under the Planning Act.	O. Reg. 686/21 S7.(2) 2	Category 1	Operating
	Flood Forecasting and Warning (Current)	Section 39 MNRF funding eligible. Ongoing collection and monitoring of weather forecasts, provincial & local water level forecasts, snow surveys and other watershed conditions. Flood event forecasting. Flood warning and communications. Maintenance of equipment.	O. Reg. 686/21 S.1 - Risk of	Category 1	Operating
C. Water Resources Management	Flood Forecasting and Warning (Current)	Purchase and installation of streamflow gauges, rain gauges, cliamte stations and other equipment. Climate monitoring station (in East Ferris), rain gauge (in Chisholm)	CA Act S. 21.1(1) 1(i). O. Reg. 686/21 S.1 - Risk of Natural Hazards, S.2 - Flood forecasting and warning.	Category 1	Capital
The main goal is to protect life and property from natural hazards specified in O. Reg. 686/21.These were previously called Flood Forecasting, Flood Control, Erosion Control, Ice Management, Water Quality (operations) and S. 28 DIA Technical, Integrated Watershed Management (IWM), and Water Erosion Control Infrastructure (WECI) (capital) programs in the 2023 NBMCA budget book.	Technical Studies and Policy Review (Current)	Section 39 MNRF &FHIMP MNRF-federal govt. funding eligible. Data collection, studies and projects to inform natural hazards management including floodplain mapping, watershed hydrology data collection and analysis, natural hazard risk identification and assessment including climate change impacts, regulated areas map updates, floodplain policy, shoreline management. Projects often span several years and are carried out as human resources and funding are available.	CA Act S. 21.1(1) 1(i). O. Reg. 686/21 S.1(3)1.&2 Risk of Natural Hazards.	Category 1	Operating
	Flood and Erosion Control Infrastructure - Operation and Management (Current)	Section 39 MNRF funding eligible AND Water and Erosion Control Infrastructure (WECI) Operation and Management MNRF funding eligible. Includes all MNRF identified WECI (Parks Creek Backflood Control, Oak Street pumps, Chippewa Creek channel sections in North Bay) that are annually inspected, and routine maintenance work completed. Municipal levy is from the City of North Bay.	O. Reg. 686/21 S. 5(1) - Infrastructure	Category 1	Operating
	Flood and Erosion Control Infrastructure - Major Capital Asset Improvements and New Capital Assets. (Current)	Major capital asset improvements and new capital assets related to Water and Erosion Control Infrastructure (WECI) as required. Projects are based on WECI funding from MNRF and 50% cost share support from the City of North Bay. Technical studies related to capital works.	O. Reg. 686/21 S. 5(1) - Infrastructure. S.5(1)3 Technical or engineering studies - infrastructure.	Category 1	Capital

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 1 (MANDATORY): NA					
Cont'd: C. Water Resources Management		Management of ice build up on Parks Creek outlet to Lake Nipissing, to mitigate the potential for flooding of homes along Lakeshore Drive and area in North Bay. Municipal levy is from the City of North Bay.	O. Reg. 686/21 S.4(1) - Ice Management	Category 1	Operating
	Drought or Low Water Response (Cu	Conditions monitoring and analysis. Technical & administrative support to the Low Water Response Team representing major water users and decision makers, i.e. input to those who initiate drought response actions.	O. Reg. 686/21 S.3 - Drought or Low Water Response	Category 1	Operating
		Provincial Water Quality Monitoring Network (PWQMN): CA-MECP partnership for stream water quality monitoring. Provincial Groundwater Monitoring Network (PGMN): CA-MECP partnership for groundwater level and quality monitoring. For PWQMN and PGMN, NBMCA maintains equipment, transfers data to MECP, water sampling; MECP provides lab analysis, equipment, standards, data management.	CA Act S. 21.1(1). O. Reg. 686/21 S. 12(1)2, 12(1)1.	Category 1	Operating
Forecasting, Flood Control, Erosion Control, Ice Management,	Watershed Monitoring (Current)	Equipment such as: Hydrolab sonde for blue grean algae monitoring in the Callander ICA		Category 1	Capital
Watershed Management (IWM),	Natural Hazard Infrastructure Operational Plan (NEW)	Review and update the Parks Creek Backflood Control Structure and Oak Street pumps operational plans.	O. Reg. 686/21 S. 5(2)1 Infrastructure Operational Plan	Category 1	Operating
programs in the 2023 NBMCA budget book.	Natural Hazard Infrastructure Asset Management Plan (NEW)	Develop asset management plan for the Parks Creek Backflood Control Structure and Oak Street pumps.	O. Reg. 686/21 S. 5(2)2 Infrastructure Asset Management Plan	Category 1	Capital
	Ice Management Plan (NEW)	The development and updating of the ice management plan with municipal partners, for the Parks Creek outlet to Lake Nipissing where ice jamming issues are known to occur in the City of North Bay.	O. Reg. 686/21 S.1 (2),(3) - Ice Management Plan	Category 1	Operating
	Watershed-based Resource Management Strategy (NEW)	Develop guiding principles and objectives that inform the design and delivery of programs and services that the CA is required to provide. Compile existing resource management plans, watershed plans, studies and data. Review programs and services. Develop the strategy, implement and undertake annual reporting. Include a process for periodic review.	CA Act S. 21.1(1). O. Reg. 686/21 S.12(1)3.& S. 12(4).	Category 1	Operating

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 1 (MANDATORY): CONSERVATION AND MANAGEMENT OF LANDS OWNED OR CONTROLLED BY THE AUTHORITY per O. Reg. 686/21					
D. Conservation Areas and Lands The main goal is to protect,	Conservation Areas - Land Interests and Section 29 regulation (Current)	The management and maintenance of NBMCA properties including 15 conservation areas and trails owned by NBMCA to secure interests in its lands and protect from liability under the Occupiers' Liability Act. This includes Section 29 regulation enforcement and compliance governing the use by the public, prevention of unlawful entry, and for protection and preservation of the property. Related legal costs. Complete regular and timely inspections. Maintain equipment, facilities, trails, and other amenities that support public access and recreational use, hazard management, carrying costs including taxes and insurance.	CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, i,ii.	Category 1	Operating
	Conservation Areas - Major Capital Asset Improvements and New Capital Assets (Current)		CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, i,ii.	Category 1	Capital
conserve and manage conservation areas and lands owned by NBMCA, including providing safe, passive recreation	Planning Act Comments (Current)		CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, iii.	Category 1	Operating
to the public.	Natural Heritage Protection (Current)		CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, iv.	Category 1	Operating
	Tree Planting (Current)	Plant trees on lands owned or controlled by the authority, excluding commercial logging.	CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, v.	Category 1	Operating
	Policy for Land Acquisition and Disposition (NEW)		CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)2, vi.	Category 1	Operating
	Land Inventory (NEW)	method and nurness of acquisition land use	CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)3, S. 11	Category 1	Operating
	Conservation Area Strategy (NEW)		CA Act S. 21.1(1). O. Reg. 686/21 S.9(1)1, S. 10	Category 1	Operating

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 1 (MANDATORY): SOURCE PROTECTION AUTHORITY UNDER THE CLEAN WATER ACT, 2006 per O. Reg. 686/21					
	Governance (Current)	Source Protection Authority (SPA) Board of Directors, Source Protection Committee (SPC), program management, reports, meetings, events.	CA Act S. 21.1(1). O. Reg. 686/21 S.13	Category 1	Operating
	Technical Studies, Policy Development and Review (Current)	Lead technical studies, policy development and review as required. Liaise with stakeholders including municipalities, the province, landowners and others.	CA Act S. 21.1(1). O. Reg. 686/21 S.13	Category 1	Operating
E. Source Protection Authority The main goal is to protect	Proposal Review, Comments and Responses	Review and comment on proposals made under another Act that are circulated to the NBMSPA to determine whether the proposal relates to a significant threat under the source protection plan or has a potential impact on drinking water sources protected by the plan. Respond to inquiries.	CA Act S. 21.1(1). O. Reg. 686/21 S.13	Category 1	Operating
existing and future municipal drinking water sources in the North Bay-Mattawa Source Protection Authority (NBMSPA) per the Clean Water Act, 2006.	Source Protection - Plan Input and Review (Current)	Review and comment on proposals made under the <i>Planning Act</i> that are circulated to the NBMSPA to determine whether the proposal relates to a significant threat under the source protection plan or has a potential impact on drinking water sources protected by the plan.	CA Act S. 21.1(1). O. Reg. 686/21 S.13 Clean Water Act S.38	Category 1	Operating
	Significant Threat Policy Implementation: Education and Outreach	Implement polices in the source protection plan to address significant threat policies that designate NBMCA/NBMSPA as an implementer for education and outreach to landowners regarding identified activities.	CA Act S. 21.1(1). O. Reg. 686/21 S.13 Clean Water Act S.38	Category 1	Operating
	Significant Threat Policy Implementation: Monitoring and Research	Implement significant drinking water threat policy (in the source protection plan) that designates NBMCA as an implementer. The policy specifies monitoring in the Callander Issue Contributing Area (monitoring: Callander Bay, Wasi Lake, Wasi River, Burford Creek, Windsor Creek, Lansdowne Creek).	CA Act S. 21.1(1). O. Reg. 686/21 S.13 Clean Water Act S.38	Category 1	Operating
CATEGORY 1 (MANDATORY): OI	N-SITE SEWAGE SYSTEM PROGRA	M UNDER PART 8 OF THE BUILDING CODE ACT per O. Reg. 686/21			
F. On-site Sewage System Program The main goal is to regulate existing and new septic systems to protect the environment per the Building Code Act, 1992, Part 8.	Permitting and Compliance	NBMCA is named under the OBC to implement Part 8. Enforce provisions of the Building Code Act and the building code related to on- site sewage systems (septic systems) in municipalities and territory without municipal organization prescribed in the building code. Policy, workplanning, program delivery, legal fees, communications, administration, staffing, data mangement and other program support.	CA Act S. 21.1(1) O. Reg. 686/21 S.14	Category 1	Operating
	Mandatory Maintenance Inspections (Current)	Approximately 527 septic systems are identified as significant threat activities in the Callander Bay Issue Contributing Area (ICA) and Powassan Wellhead Protection Area (WHPA) vulnerable areas, under the Clean Water Act, 2006. The Ontario Building Code (OBC) requires that mandatory maintenance inspections (MMI), i.e. inspections every 5 years, apply to these septic systems. NBMCA is named under the OBC to implement Part 8 including MMI.	CA Act S. 21.1(1) O. Reg. 686/21 S. 13, S.14, Clean Water Act S.38 Section 1.10.2 of Division C of the Ontario Building Code (OBC)	Category 1	Operating

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 2 (MUNICIPALLY DELEGATED): PROGRAMS AND SERVICES PROVIDED ON BEHALF OF A MUNICIPALITY					
G. Watershed-Municipal Programs These are municipal programs and services that NBMCA provides on behalf of a municipality.	Watershed Monitoring (Current and NEW)	Current NBMCA watershed monitoring of interest to member municipalities: Four Mile Creek, Parks Creek (North Bay), Trout Lake (North Bay, East Ferris), Lake Nosbonsing (East Ferris, Bonfield), Wasi Lake (Chisholm), Boulder Creek, Bear Creek (Callander), Turtle Lake, Pine Lake, Lake Talon, Sharpes Creek (Bonfield), Smith Lake, Pautois Creek (Calvin), Papineau Lake, Taggart Lake, Earls Lake, Lake Chant Plein (Papineau-Cameron), Boom Creek (Mattawa). <u>POTENTIAL NEW</u> monitoring of interest to City of North Bay: PFAS contaminant monitoring in Trout Lake, Lees Creek and other water resources.	CA Act S. 21.1.1	Category 2	Operating
	On-site Sewage System Program Re-inspection Program (Current)	Septic System Re-inspection Program: Re-inspection program under the Trout Lake Management Plan (as required by the City of North Bay Official Plan). Approximately 100 homes annually. Municipal levy is from the City of North Bay.	CA Act S. 21.1.1	Category 2	Operating
CATEGORY 3 (NBMCA DETERMI	NED): PROGRAMS AND SERVICES	ADVISABLE BY NBMCA			
	Watershed Monitoring (Current)	Water quality: North River and Balsam Creek (Phelps) Benthic/Biological Monitoring and Assessment Program (OBBN): samples collected annually and processed/identified by staff. This process evaluates surface water quality using macro-invertebrates (insect larvae, etc.) living in streams and supports Watershed Report Card Evaluations and Watershed Health Checks.	CA Act 21.1.2 (1)	Category 3	Operating
	Watershed Report Card (Current)	Report backs to the community on the current state of the watershed(s) based on surface water and groundwater quality, forest cover and wetland cover. The report card focuses on sub-watershed areas.	CA Act 21.1.2 (1)	Category 3	Operating
H. Watershed-Support Programs	Land Acquisition and Disposition (Current)	Acquisition and management of lands containing important natural heritage or natural hazard features or strategically aligned with existing NBMCA land holdings. Disposition of lands considered surplus to the vision, mandate and strategic goals of NBMCA.	CA Act 21.1.2 (1)	Category 3	Capital
These are programs and services that NBMCA has determined are advisable to provide to further the purposes of the CA Act.	Land Lease and Agreement Management (Current)	Critical for the Land Inventory which is a Category 1 program and service. Management of current and future land /property leases and agreements. These help drive land based revenues to offset the costs associated with management and maintenance of NBMCA's land holdings.	CA Act 21.1.2 (1)	Category 3	Operating
	Stewardship and Restoration (Current and NEW)	Apply for and manage external funding to support and promote community tree planting, private land stewardship, outreach. Provide advice to property owners. Includes Trees for Nipissing and Clean Green Beautiful stewardship programs.	CA Act 21.1.2 (1)	Category 3	Operating
	Miskwaadesi (Current)	"Miskwaadesi" is Ojibwe for Painted Turtle. The turtle petroform is on the Chippewa Creek EcoPath in North Bay, where Indigenous and non- Indigenous people can gather while developing an appreciation of the significance of water. Fundraising is underway to complete the amphitheater seating area. Through an MOU in 2021 with the North Bay Indigenous Friendship Centre (NBIFC), NBMCA is responsible for all maintainance costs and site security. Municipal levy is from City of North Bay.	CA Act 21.1.2 (1)	Category 3	Capital

Program Area	Program and Service (Current and NEW)	Description	Legislative Reference	Category	Operating/ Capital
CATEGORY 3 (NBMCA DETERM	NED): PROGRAMS AND SERVICES	ADVISABLE BY NBMCA			
Cont'd: H. Watershed-Support Programs These are programs and services that NBMCA has determined are advisable to provide to further the purposes of the CA Act.	Miskwaadesi (Current)	"Miskwaadesi" is Ojibwe for Painted Turtle. See above for details. Through an MOU in 2021 with the NBIFC, the NBMCA is responsible to: coordinate all group bookings; secure NBIFC approval for requests for Indigenous programming. NBMCA is responsible for software and maintaining records related to bookings. Municipal levy is from City of North Bay.	CA Act 21.1.2 (1)	Category 3	Operating
	On-site Sewage Systems related Plan Input and Review – Member Municipalities/Planning Board (Current)	Technical information and advice to municipalities on circulated municipal land use planning applications (Official Plan and Zoning By- law Amendments, Subdivisions, Plan of Condominium, Site Plan Approvals, Consents, Minor Variances, etc.) and Input to municipal land- use planning documents with respect to on-site sewage systems. Input and Review are provided following OBC Part 8 method and procedures. Partly covered through fees, and remaining by municipal levies.	CA Act S. 21.1.1	Category 3	Operating
	On-site Sewage Systems related Plan Input and Review – Unincorporated Areas (CA Area of jurisdiction) (Current)	Comments provided on Planning Act applications in unincorporated areas in CA area of jurisdiction (Phelps, Olrig, Boulter, Lauder, Ballantyne, Wilkes, Pentland, Boyd, Biggar, Osler, Lister). OBC Part 8 - septic systems. MMAH is the approval authority. Applications are recieved from applicant not MMAH. Input and Review are provided following OBC Part 8 method and procedures.	CA Act 21.1.2 (1)	Category 3	Operating
	On-site Sewage Systems related Plan Input and Review – other Municipalities and Planning Boards (Current)	Comments provided on Planning Act applications through the planning authority as a condition of their approval process. Input and Review are provided following OBC Part 8 method and procedures.	CA Act 21.1.2 (1)	Category 3	Operating
	On-site Sewage Systems related Plan Input and Review - Legal Inquiries (Current)	Respond to legal, permitting and real estate related inquiries of the on- site sewage system program. This is a revenue-generating service.	CA Act 21.1.2 (1)	Category 3	Operating
	Mattawa River Canoe Race (Current)	Host the 64 km canoe race on the Mattawa River annually, from North Bay to Town of Mattawa.	CA Act 21.1.2 (1)	Category 3	Operating
	Asset Management Plan (NEW)	Asset Management Plan for all NBMCA-owned assets including buildings/facilities, vehicle fleet, equipment, etc. (The natural hazard infrastructure asset management plan is included under Natural Hazards Risk Management, see Category 1).	CA Act S. 20. O. Reg. 402/22 - General Capital Costs.	Category 3	Capital
I. Ski Hill	Laurentian Ski Hill and Snowboarding Club - Routine Activities (Current)	Support to the Laurentian Ski Hill for operations, including staff time and all associated fees and expenses. Municipal levy is from the City of North Bay.	CA Act 21.1.2 (1)	Category 3	Operating
	Laurentian Ski Hill and Snowboarding Club - Major Capital Asset Improvements and New Capital Assets (Current)	Support to the Laurentian Ski Hill for capital asset upkeep, including staff time and all associated fees and expenses. This is not a levy but a request to all member municipalities.	CA Act 21.1.2 (1)	Category 3	Capital