

2022 Annual Report & Financial Statements  
For  
BLACK MOUNTAIN IRRIGATION DISTRICT



For the year ended December 31, 2022

**TRUSTEES**

Term Expires 2023	Allen Kirschner
Term Expires 2024	Colin Day (Chair)
Term Expires 2024	Sukhpaul Bal
Term Expires 2025	Al Horning
Term Expires 2025	Gerry Zimmermann

**DISTRICT MANAGEMENT**

Administrator	Robert Hrasko
Works Superintendent	Bryan Vig
Administrative Treasurer	Linda O'Neil



*Hadden Reservoir*

Auditors: MNP LLP  
The 101<sup>st</sup> ANNUAL GENERAL MEETING  
To be held at the BMID Office  
285 Gray Road, Kelowna, BC  
Wednesday, April 12, 2023  
Time: 7:00 pm



**ANNUAL GENERAL MEETING OF THE  
BLACK MOUNTAIN IRRIGATION DISTRICT  
285 GRAY ROAD, KELOWNA, BC, V1X 1W8**

**2022 ANNUAL GENERAL MEETING AGENDA  
Wednesday, April 12, 2023 7:00 P.M.  
Held at the BMID Office**

**AGENDA ITEMS**

1. Call to Order
  - 101<sup>st</sup> Annual General Meeting of the Black Mountain Irrigation District
  - Introduction of Trustees and Management Staff
  - Recognition – Al Horning
2. Notice of Annual General Meeting
3. Minutes of previous Annual General Meeting – April 13, 2022
  - Business Arising from the Minutes
4. MNP Auditor's Report, Presentation of 2022 Audited Financial Statements
  - Business Arising from the Auditor's Report
5. Appointment of Auditor for 2023
6. Trustees' Report 2022
  - Business Arising from the Trustees' Report
7. Operations Report 2022
  - Business Arising from the Operations Report
8. Water Treatment Plant Report 2022
  - Business Arising from the Water Treatment Plant Report
9. Provisional Budget for 2023
10. Election and Trustee Status for 2023
11. Trustees' and Chairman's Remuneration
12. New Business / General Discussion
13. Meeting Adjournment



## **BLACK MOUNTAIN IRRIGATION DISTRICT ANNUAL GENERAL MEETING & NOTICE OF ELECTION**

The Annual General Meeting will be held on **Wednesday, April 12, 2023 at 7:00 pm** at the **BMID Office** located at 285 Gray Road, Kelowna.

The term of office for Trustee, Allen Kirschner, expires in 2023. Nominations for this position will be open from 8:00 am on **March 20, 2023** until 3:30 pm on **March 31, 2023**. If an Election is required, voting will take place on **Thursday, April 20, 2023** between the hours of 10:00 am and 6:00 pm at the BMID office. An advance poll is available between 12:00 pm and 4:00 pm on **Thursday, April 13, 2023**.

If you require more information on any of the above items, please call the BMID Office at 250-765-5169.

NOTICE IN NEWSLETTER CIRCULATED TO ALL CUSTOMERS INCLUDED IN FIRST QUARTER BILLING:

**March 1, 2023**

POSTED ON FRONT DOOR OF THE BMID OFFICE (285 Gray Road):

**March 20, 2023**

POSTED ON BMID WEBSITE ([www.bmid.ca](http://www.bmid.ca)):

**March 20, 2023**

ADVERTISED IN THE KELOWNA DAILY COURIER:

**Saturday, March 18, 2023 & Saturday, April 8, 2023**

ADVERTISED IN THE CAPITAL NEWS:

**Thursday, March 16, 2023 & Thursday, April 6, 2023**



Black Mountain Irrigation District  
100<sup>th</sup> ANNUAL GENERAL MEETING  
Held at the BMID Office, 285 Gray Road, Kelowna, B.C.  
April 13, 2022 at 7:00 p.m.

---

**Present:** Chairman: Colin Day  
Trustees: Allen Kirschner, Gerry Zimmermann, Sukhpaul Bal and  
via Zoom: Al Horning  
Staff: Robert Hrasko, Administrator  
Bryan Vig, Works Superintendent  
Linda O’Neil, Administrative Treasurer  
Chase Elliott, Chief Operator, Water Treatment Plant

**Guests:** MNP Auditors: Darcy Haw

**Public/Ratepayers:** Mike Dapavo

**Minutes:** Linda O’Neil, Administrative Treasurer

**1.0 Call to Order**

The meeting was called to order by the Chair, Colin Day, at 7:01 pm. The Chair recognized that the meeting is being held on the traditional, ancestral, unceded territory of the syilx/Okanagan People.

**2.0 Notice of Annual General Meeting & Election**

The Notice of Annual General Meeting and Notice of Election was read by Linda O’Neil. Notification for the BMID 2022 AGM was advertised in the Kelowna Capital News on March 17 & April 7, 2022 and in the Kelowna Daily Courier on March 19 and April 9, 2022. Notices were posted on the BMID website and BMID Office Door on Monday, March 21, 2022.

**3.0 Minutes of previous AGM**

Minutes of the Annual General Meeting held June 30, 2021 were reviewed. The Minutes are included in the bound Annual Report.

There was no business arising from the Minutes.

**A MOTION was made by:** Sukhpaul Bal **SECONDED by:** Gerry Zimmermann  
“To approve the meeting minutes of June 30, 2021 as written, with no errors or omissions noted.” **CARRIED**

**4.0 Auditor’s Report and Presentation of the 2021 Audited Financial Statements**

The Audited Consolidated Financial Statements were presented by Darcy Haw of MNP LLP, and the floor was opened to questions. The Financial Statements are included in the bound Annual Report.

There was no business arising from the Financial Statements report.

**A MOTION was made by:** Allen Kirschner **SECONDED by:** Gerry Zimmermann  
“That the 2021 Auditors Report and Consolidated Financial Statements prepared by MNP be received and approved.” **CARRIED**

**5.0 Appointment of Auditor for 2022**

A quote from MNP for \$25,750 plus an administration fee of \$1,287.50, for a total of \$27,037.50, was received for the 2022 Audit, which is an increase of \$2,362.50 over last year. Staff recommended that BMID continue working with MNP and that the quote be approved.

**A MOTION was made by:** Gerry Zimmermann **SECONDED by:** Sukhpaul Bal  
**“To receive and approve the quote of \$27,037.50 and to appoint MNP LLP as Auditors for the year ending December 31, 2022.”** **CARRIED**

Auditor Darcy Haw from MNP exited the meeting at this point, at 7:16 pm.

**6.0 Trustees’ Report 2021**

Administrative Treasurer, Linda O’Neil presented the 2021 Trustees’ Report and the floor was opened to questions. The report is included in the bound Annual Report.

Gerry Zimmermann commented that the strength of an organization is only as good as its staff, and added, not only do we have good staff, we have great staff. He noted that we wouldn’t be in the position we are in without the people that we have working for us, and that he speaks for the entire Board when he says that. He asked Management to relay this comment to all staff, to let them know they are appreciated. The other Trustees readily agreed with his comments.

There was no other business arising from the report.

**A MOTION was made by:** Allen Kirschner **SECONDED by:** Al Horning  
**“To receive the 2021 Trustees’ Report as presented.”** **CARRIED**

**7.0 Operations Report 2021**

Works Superintendent, Bryan Vig presented the 2021 Water Operations Report and the floor was opened to questions. The report is included in the bound Annual Report.

Administrator Bob Hrasko noted that when BMID offered assistance to Merritt, we asked for recovery of crew costs only if the City of Merritt received Federal Funding for flood relief. Merritt did receive emergency funding, and subsequently requested an invoice for costs, which they paid. Bob also noted that he received good comments and feedback from Merritt officials about our crew’s abilities and helpfulness.

There was no other business arising from the report.

**A MOTION was made by:** Sukhpaul Bal **SECONDED by:** Allen Kirschner  
**“To receive the 2021 Operations Report as presented.”** **CARRIED**

**8.0 Water Treatment Plant Report 2021**

Chief Operator, Water Treatment Plant, Chase Elliott presented the 2021 Water Treatment Plant Report and the floor was opened to questions. The report is included in the bound Annual Report.

There was no business arising from the report.

**A MOTION was made by:** Gerry Zimmermann **SECONDED by:** Sukhpaul Bal  
**"To receive the 2021 Water Treatment Plant Report as presented."** **CARRIED**

**9.0 Provisional Budget 2022 Presentation**

Administrative Treasurer, Linda O'Neil presented the 2022 Provisional Budget and the floor was opened to questions. The Provisional Budget for 2022 and the Budget Values from 2021 (for comparison) are included at the end of the bound Annual Report. Works Superintendent provided information on projects that will be completed from the budget surplus funds.

There was no business arising from the report.

**A MOTION was made by:** Sukhpaul Bal **SECONDED by:** Gerry Zimmermann  
**"To receive the 2022 Provisional Budget for information."** **CARRIED**

**10.0 Election and Trustee Status for 2022**

Linda O'Neil (Deputy Returning Officer) noted that the Election Notices were published together with the AGM advertising as reported under item 2.0. The Election, if needed, was scheduled for April 14, 2022, with the period for accepting Nominations open for 14 days, from March 21, 2022 until April 1, 2022. Notices were posted on the front door at the BMID office and posted on the BMID website, and printed Ads were run in the Capital News and the Kelowna Daily Courier.

Linda O'Neil reported that for 2022, Al Horning and Gerry Zimmermann sought re-election and their Nominations were received during the designated Nomination period. As no other Nominations were received, an Election was not required. Therefore, Trustees Al Horning and Gerry Zimmermann were re-elected by Acclamation, each for another three-year term.

**A MOTION was made by:** Sukhpaul Bal **SECONDED by:** Allen Kirschner  
**"To receive the 2022 Election Report for information."** **CARRIED**

**11.0 Trustees and Chairman's Remuneration**

A summary of last year's Remuneration was presented by Linda O'Neil, and discussion of the Trustees and Chairman's remuneration rates followed. Linda O'Neil noted that the Consumer Price Index for the prior year was 4.7%. As recommended by Staff, it was agreed that the Cost of Living was the most appropriate way to calculate the Trustee's increases each year.

**A MOTION was made by:** Mike Dapavo **SECONDED by:** Al Horning  
**"That the Trustee's Remuneration be increased from \$435.00 per diem (per meeting) to \$455.00 per diem and that the Chairman's Remuneration be increased from \$1,025.00 monthly to \$1,075.00 monthly, in addition to the meeting per diem of \$455.00."** **CARRIED**

**12.0 New Business / General Discussion**

Administrator Bob Hrasko noted that BMID has donated a table made from a large piece of (wooden) Stave Pipe, with a glass top, to the Kelowna Museum. Lambert Schmaltz has crafted and refinished the table base from the stave pipe, and should be recognized for his efforts. Bob will look into getting a plaque made for the donation.

Chair Colin Day reported that he was notified of people driving ATVs across Dam Face(s) at Graystokes and Fishhawk Reservoirs, and also that a truck had broken down and was leaking oil in the area. The incidents were investigated but the offenders were gone by the time BMID staff arrived. BC Parks were called, but did not respond, and the RCMP were called for support but they did not attend either.

There was no other business or discussion.

**13.0 Meeting Adjournment**

A Motion to Adjourn was moved by Al Kirschner at 7:59 pm.

Reviewed by:

  
\_\_\_\_\_  
Colin Day, Chairman of the Trustees

Recorded by:

  
\_\_\_\_\_  
Linda O'Neil, Administrative Treasurer

**Black Mountain Irrigation District**  
**Financial Statements**  
*December 31, 2022*

# Black Mountain Irrigation District Contents

For the year ended December 31, 2022

---

	<b>Page</b>
<b>Management's Responsibility</b>	
<b>Independent Auditor's Report</b>	
<b>Financial Statements</b>	
Statement of Financial Position .....	1
Statement of Operations and Accumulated Surplus .....	2
Statement of Changes in Net Financial Assets.....	3
Statement of Cash Flows.....	4
<b>Notes to the Financial Statements</b> .....	5
<b>Schedule 1 – Schedule of Tangible Capital Assets</b> .....	12
<b>Schedule 2 – Schedule of Accumulated Surplus</b> .....	13

## Management's Responsibility

---

To the Board of Trustees of the Black Mountain Irrigation District,

Management is responsible for the preparation and presentation of the accompanying financial statements, including responsibility for significant accounting judgments and estimates in accordance with Canadian public sector accounting standards and ensuring that all information in the annual report is consistent with the statements. This responsibility includes selecting appropriate accounting principles and methods, and making decisions affecting the measurement of transactions in which objective judgment is required.

In discharging its responsibilities for the integrity and fairness of the financial statements, management designs and maintains the necessary accounting systems and related internal controls to provide reasonable assurance that transactions are authorized, assets are safeguarded and financial records are properly maintained to provide reliable information for the preparation of financial statements.

The Board of Trustees is composed entirely of individuals who are neither management nor employees of the District. The Board of Trustees is responsible for overseeing management in the performance of its financial reporting responsibilities, and for approving the financial information included in the annual report. The Board of Trustees fulfills these responsibilities by reviewing the financial information prepared by management and discussing relevant matters with management and external auditors. The Board of Trustees is also responsible for appointing the District's external auditors.

MNP LLP, an independent firm of Chartered Professional Accountants, is appointed by the Board of Trustees to audit the financial statements and report directly to them; their report follows. The external auditors have full and free access to, and meet periodically with, both the Council and management to discuss their audit findings.

April 6, 2023



---

Administrative Treasurer

# Independent Auditor's Report

---

To the Board of Trustees of the Black Mountain Irrigation District,

## Opinion

We have audited the financial statements of Black Mountain Irrigation District (the "District"), which comprise the statement of financial position as at December 31, 2022, and the statements of operations and accumulated surplus, changes in net financial assets, cash flows and the related schedules for the year then ended, and notes to the financial statements, including a summary of significant accounting policies and other explanatory information.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the District as at December 31, 2022, and the results of its operations, changes in net financial assets and its cash flows for the year then ended in accordance with Canadian public sector accounting standards.

## Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the District in accordance with the ethical requirements that are relevant to our audit of the financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

## Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with Canadian public sector accounting standards, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the District's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the District or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the District's financial reporting process.

## Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

## Independent Auditor's Report

---

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the District's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the District's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the District to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Kelowna, British Columbia

April 6, 2023

*MNP* LLP

Chartered Professional Accountants

# Black Mountain Irrigation District Statement of Financial Position

As at December 31, 2022

	2022	2021
<b>Financial assets</b>		
Cash and cash equivalents	6,076,718	5,900,768
Portfolio investments (Note 2)	11,481,819	11,147,699
Tolls and levies receivable	394,294	300,892
Other receivables (Note 3)	217,949	349,831
	<b>18,170,780</b>	<b>17,699,190</b>
<b>Financial liabilities</b>		
Payables and accruals	378,575	354,217
Deferred revenue (Note 4)	288,205	261,022
Long-term debt (Note 5)	5,480,000	5,773,000
	<b>6,146,780</b>	<b>6,388,239</b>
<b>Net Financial Assets</b>	<b>12,024,000</b>	<b>11,310,951</b>
<b>Non-financial assets</b>		
Tangible capital assets (Schedule 1)	71,127,793	69,932,887
Prepaid expenses	73,819	76,042
Inventory (Note 6)	568,238	565,045
	<b>71,769,850</b>	<b>70,573,974</b>
<b>Accumulated surplus (Schedule 2)</b>	<b>83,793,850</b>	<b>81,884,925</b>

Commitments and contingencies (Note 7)

  
Chair, the Board of Trustees

The accompanying notes are an integral part of these financial statements

## Black Mountain Irrigation District Statement of Operations and Accumulated Surplus

*For the year ended December 31, 2022*

	Budget (Note 8)	2022	2021
<b>Revenue</b>			
Domestic water tolls	5,943,500	6,009,187	5,559,158
Capital expenditure charge	-	911,925	819,801
Irrigation taxes	764,500	777,945	742,903
Investment income	-	307,703	323,574
Interest	67,500	154,873	78,597
Contributions from developers and others	-	154,150	7,135,062
Connection fees	75,000	73,350	82,850
Sundry	72,000	65,081	70,815
Sale of water	15,000	14,600	16,109
New account fees	15,000	13,890	16,080
Gain on disposal of tangible capital assets	-	5,200	15,300
Equipment rental	7,500	3,357	9,806
	6,960,000	8,491,261	14,870,055
<b>Expenses</b>			
Amortization (Schedule 1)	-	1,346,687	1,324,108
Computer and technology	56,500	54,053	46,557
Consulting services	50,000	48,400	38,012
Insurance	237,500	230,302	215,291
Interest and service charges	12,500	11,109	10,839
Interest on long-term debt	185,000	198,932	189,596
Inventory write-downs	2,500	348	958
Licenses and fees	30,000	28,917	22,399
Office supplies and expenses	133,000	130,532	94,315
Professional fees	42,500	27,038	26,260
Repairs and maintenance	908,500	922,814	741,722
Salaries and benefits	1,107,000	1,062,036	1,013,877
Shop supplies and expenses	55,000	48,415	54,760
Training	40,500	34,541	39,874
Trustee's remuneration and expenses	87,500	92,345	85,180
Utilities	45,500	40,267	38,772
Vehicle and equipment	275,000	273,107	241,025
Water distribution expense	639,000	581,361	569,488
Water quality testing	65,000	47,295	62,395
Water treatment	1,080,000	1,140,140	1,073,812
Watershed management	150,000	263,697	116,691
	5,202,500	6,582,336	6,005,931
Annual surplus	1,757,500	1,908,925	8,864,124
Accumulated surplus, beginning of year	81,884,925	81,884,925	73,020,801
<b>Accumulated surplus (Schedule 2)</b>	83,642,425	83,793,850	81,884,925

*The accompanying notes are an integral part of these financial statements*

**Black Mountain Irrigation District**  
**Statement of Changes in Net Financial Assets**  
*For the year ended December 31, 2022*

	Budget (Note 8)	2022	2021
Annual surplus	1,757,500	<b>1,908,925</b>	8,864,124
Acquisition of tangible capital assets	(100,000)	<b>(2,541,593)</b>	(8,327,504)
Amortization of tangible capital assets	-	<b>1,346,687</b>	1,324,108
	(100,000)	<b>(1,194,906)</b>	(7,003,396)
Change in prepaid expenses	-	<b>2,223</b>	(30,894)
Change in inventory	-	<b>(3,193)</b>	4,955
		<b>(970)</b>	(25,939)
Increase in net financial assets	1,657,500	<b>713,049</b>	1,834,789
Net financial assets, beginning of year	11,310,951	<b>11,310,951</b>	9,476,162
<b>Net financial assets, end of year</b>	<b>12,968,451</b>	<b>12,024,000</b>	11,310,951

*The accompanying notes are an integral part of these financial statements*

**Black Mountain Irrigation District**  
**Statement of Cash Flows**  
*For the year ended December 31, 2022*

	2022	2021
<b>Cash provided by (used for) the following activities</b>		
<b>Operating Activities</b>		
Annual surplus	1,908,925	8,864,124
Items not involving cash included in annual surplus:		
Amortization of tangible capital assets	1,346,687	1,324,108
Gain on disposal of tangible capital assets	(5,200)	(15,300)
Gain on disposal of investments	(301,994)	(323,574)
Developer and other contributions of tangible capital assets	(154,150)	(7,135,062)
Amortization of bond discounts	88,247	91,046
Change in financial assets and liabilities:		
Accounts receivable	38,480	(88,101)
Accounts payable and accrued liabilities	24,358	(264,279)
Deferred revenues	27,183	(13,097)
Change in non-financial assets:		
Prepays	2,223	(30,894)
Inventory	(3,193)	4,955
	2,971,566	2,413,926
<b>Capital Activities</b>		
Acquisition of tangible capital assets	(2,387,443)	(1,192,442)
Proceeds on disposition of tangible capital assets	5,200	15,300
	(2,382,243)	(1,177,142)
<b>Investing Activities</b>		
Purchase of investments	(2,022,302)	(1,779,396)
Proceeds on disposal of investments	1,901,929	1,641,246
	(120,373)	(138,150)
<b>Financing Activities</b>		
Principal repayments of long-term debt	(293,000)	(408,000)
Increase (decrease) in cash and cash equivalents	175,950	690,634
Cash and cash equivalents, beginning of year	5,900,768	5,210,134
Cash and cash equivalents, end of year	6,076,718	5,900,768

*The accompanying notes are an integral part of these financial statements*

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

The Black Mountain Irrigation District (the "District") was incorporated under the laws of the Province of British Columbia in 1920. It is engaged in the operation of an irrigation district in the Black Mountain and Rutland areas of Kelowna, British Columbia. Under Section 149(1)(c) of the Income Tax Act, the District is exempt from taxation.

**1. Significant accounting policies**

The financial statements of the District are prepared by management in accordance with Canadian public sector accounting standards as recommended by the Public Sector Accounting Board (PSAB) of CPA Canada. Significant accounting policies adopted by the District are as follows:

(a) Basis of accounting

The District follows the accrual method of accounting for revenues and expenses. Revenues are normally recognized in the year in which they are earned and measurable. Expenses are recognized as they are incurred and measurable as a result of receipt of goods or services and the creation of a legal obligation to pay.

(b) Revenue recognition

Domestic Water Tolls are recognized as revenue in the year the related service is provided, and the amount is measurable and collectible. Irrigation taxes are recognized as revenue in the year the related service is provided, and the amount is measurable and collectible. Connection fees, new account fees, sale of services, interest and penalties are recognized as revenue in the year the related service is provided, and the amount is measurable and collectible. Capital expenditure charge ("CEC") fees are recorded to revenue when amounts are determinable and collectability is assured. Assets contributed by developers are recognized as revenue when ownership transfers to the District.

The District recognizes a government transfer as revenue when the transfer is authorized and all eligibility criteria, if any, have been met. A government transfer with stipulations giving rise to an obligation that meets the definition of a liability is recognized as a liability. In such circumstances, the District recognizes revenue as the liability is settled.

(c) Deferred revenue

Deferred revenue represents funds which have been collected from non-government sources, but for which the related services have yet to be performed. These amounts will be recognized as revenues in the fiscal year when all revenue recognition criteria have been met.

(d) Investment income

Investment income is reported as revenue in the period earned.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

**1. Significant accounting policies (continued)**

(e) Reserve funds

The capital works renewal reserve is a statutory reserve restricted for expenditures relating to renewal or replacement of existing capital works of the District to extend the life of its assets. The capital expenditure charge ("CEC") reserve is a statutory reserve restricted for expenditures relating to augmenting/increasing the system capacity to ensure adequate water supply within the District. The equipment replacement reserve is designated for the purpose of purchasing equipment or vehicles, as approved by Board Resolution.

Reserve funds are fully funded through cash held and investments. All charges collected and interest earned for these purposes are required to be segregated from other funds. See Schedule 2.

(f) Cash and cash equivalents

Cash and cash equivalents include cash and highly liquid investments with a term to maturity of 90 days or less at acquisition and readily convertible to cash.

(g) Inventory

Inventory is stated at the lower of cost and net realizable value. Costs include all expenses directly attributable to the purchase of inventory. Costs of inventory, other than pipe inventory, are assigned using the first-in, first-out cost formula. Costs of pipe inventory are assigned using the weighted average cost formula. Net realizable value is the estimated selling price in the ordinary course of business less any applicable selling expenses.

(h) Liability for contaminated sites

A liability for remediation of a contaminated site is recognized at the best estimate of the amount required to remediate the contaminated site when contamination exceeding an environmental standard exists, the District is either directly responsible or accepts responsibility, it is expected that future economic benefits will be given up, and a reasonable estimate of the amount is determinable. The best estimate of the liability includes all costs directly attributable to remediation activities and is reduced by expected net recoveries based on information available at December 31, 2022.

(i) Non-financial assets

Non-financial assets are not available to discharge existing liabilities and are held for use in the provision of services. They have useful lives extending beyond the current year and are not intended for sale in the ordinary course of operations.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

**1. Significant accounting policies (continued)**

(i) Tangible capital assets

Tangible capital assets are recorded at cost, which includes amounts that are directly attributable to acquisition, construction, development or betterment of the asset. The cost, less residual value, of the tangible capital assets, excluding land, are amortized using the methods and rates listed below based over their estimated useful lives as follows:

Asset	Method	Rate
Buildings	Declining Balance	4-10%
Water supply system	Straight Line	10-125 years
Water distribution system	Straight Line	10-100 years
Office equipment	Straight Line	8 years
Automotive	Straight Line	10 years
Other equipment	Straight Line	10 years

Work-in-progress is valued at cost and represents capital projects under construction but not yet completed. Capital assets under construction are not amortized until the capital asset is available for productive use.

(ii) Contributions of tangible capital assets

Additions to the irrigation system constructed and contributed by developers are recorded at their fair value and are capitalized into tangible capital assets and reflected in the statement of operations and accumulated surplus as income.

(iii) Natural resources

Natural resources that have not been purchased are not recognized as assets in the financial statements.

(iv) Interest capitalization

The District does not capitalize interest costs associated with the acquisition or construction of a tangible capital asset.

(j) Use of estimates

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the period.

Significant estimates include assumptions used in estimating liabilities for contaminated sites, estimated useful lives of tangible capital assets, and valuation of accounts receivable. Liabilities for contaminated sites are estimated based on the best information available regarding potential contamination where the District is responsible. Contributions from developers and others are recorded at the District's best estimate of fair value on the date of contribution, calculated using engineering plans and standardized item cost estimates.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

**2. Portfolio investments**

The District's investments are comprised of fixed income assets. These are carried at cost plus accrued interest with maturity dates ranging from September, 2023 through August, 2030 and earning interest at effective rates between 1.35% and 5.23%. The market value of such investments as at December 31, 2022 is \$10,640,310 (2021 - \$11,213,630).

**3. Other receivables**

	2022	2021
Trade receivables	62,393	257,184
Goods and Services Tax receivable	155,556	92,647
	<b>217,949</b>	<b>349,831</b>

**4. Deferred revenue**

	2022	2021
Meters inventory	166,720	171,270
Quarterly tolls	65,585	61,552
Connection installations	28,400	3,200
Hydrant servicing	27,500	25,000
	<b>288,205</b>	<b>261,022</b>

**5. Long-term debt**

	2022	2021
Royal Bank of Canada ("RBC") banker's acceptance facility, interest only at the rates noted below, with average monthly principal repayments of \$24,417 (2021 - \$26,100) subject to refinancing, maturing May, 2037	5,480,000	5,773,000

The District has with RBC a loan facility for an authorized amount of \$7,000,000 for the purpose of constructing the ultraviolet disinfection plant. Interest is determined based on an interest rate swap with a notional amount equal to the loan values of the original draw schedule. The District pays effective interest on the swap at 3.02% plus a stamping fee of 0.18%. The District receives interest at a rate of 3.20% less the 12 month Canadian Dollar Offered Rate (CDOR) on the difference between the scheduled loan drawn and the actual loan drawn.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

**5. Long-term debt (continued)**

The estimated aggregate repayments on long-term debt over the next five years are as follows, subject to renewal and contractual obligations:

2023	303,000
2024	313,000
2025	323,000
2026	334,000
2027	344,000

The District has issued letters of credit to the City of Kelowna through RBC totaling \$93,558 (2021 - \$93,558) to ensure the provision of services. These letters come due in July and December 2023.

**6. Inventory**

	2022	2021
Small fittings, couplings and stock under 3"	50,219	48,120
Large fittings, couplings and stock over 4"	85,683	80,485
Pipe	414,624	418,728
Temporary stock	17,712	17,712
<b>Subtotal</b>	<b>568,238</b>	<b>565,045</b>

**7. Commitments and contingencies**

- (a) The District and its employees contribute to the Municipal Pension Plan (a jointly trustee pension plan). The board of trustees, representing plan members and employers, is responsible for administering the plan, including investment of assets and administration of benefits. The plan is a multi-employer defined benefit pension plan. Basic pension benefits are based on a formula. As at December 31, 2021, the plan has about 227,000 active members and approximately 118,000 retired members. Active members include approximately 42,000 contributors from local governments.

Every three years, an actuarial valuation is performed to assess the financial position of the plan and adequacy of plan funding. The actuary determines an appropriate combined employer and member contribution rate to fund the plan. The actuary's calculated contribution rate is based on the entry-age normal cost method, which produces the long-term rate of member and employer contributions sufficient to provide benefits for average future entrants to the plan. This rate may be adjusted for the amortization of any actuarial funding surplus and will be adjusted for the amortization of any unfunded actuarial liability.

The most recent actuarial valuation for the Municipal Pension Plan as at December 31, 2021, indicated a \$3,761 million funding surplus for basic pension benefits on a going concern basis.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

**7. Commitments and contingencies (continued)**

The District paid \$134,411 (2021 - \$125,681) for employer contributions to the plan in fiscal 2022.

The next valuation will be as at December 31, 2024, with results available in 2025.

Employers participating in the plan record their pension expense as the amount of employer contributions made during the fiscal year (defined contribution pension plan accounting). This is because the plan records accrued liabilities and accrued assets for the plan in aggregate, resulting in no consistent and reliable basis for allocating the obligation, assets and cost to individual employers participating in the plan.

- (b) From time to time, the District is brought forth as defendant in various lawsuits. The District reviews its exposure to any potential litigation, for which it would not be covered by insurance, and assesses whether a successful claim against the District would significantly affect the financial statements of the District. Management has determined that potential liabilities, if any, arising from these claims will not be significant to the financial statements.

**8. Budget data**

The budget data presented in these financial statements is based upon the 2022 operating and capital budgets adopted by the Board on June 9, 2022. The following table reconciles the approved budget to the budget figures reported in these financial statements.

	Budget amount
Surplus – Statement of Operations	1,757,500
Adjust for budgeted cash items not included in statement of operations	
Principal repayments of long-term debt	(295,000)
Transfers to equipment replacement reserve	(50,000)
Acquisition of tangible capital assets	(100,000)
<b>Financial plan surplus</b>	<b>1,312,500</b>

**9. Recent Accounting Pronouncements**

PS 3280 *Asset Retirement Obligations*, issued August 2018, establishes standards for recognition, measurement, presentation and disclosure of legal obligations associated with the retirement of tangible capital assets and is effective for the District as of January 1, 2023. A liability will be recognized when, as at the financial reporting date:

- (a) There is a legal obligation to incur retirement costs in relation to a tangible capital asset;
- (b) The past transaction or event giving rise to the liability has occurred;
- (c) It is expected that future economic benefits will be given up; and
- (d) A reasonable estimate of the amount can be made.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2022*

---

**9. Recent Accounting Pronouncements (Continued)**

Liabilities are recognized for statutory, contractual or legal obligations associated with the retirement of tangible capital assets when those obligations result from the acquisition, construction, development or normal operation of the assets. The obligations are measured initially at fair value, determined using present value methodology, and the resulting costs capitalized into the carrying amount of the related tangible capital asset. In subsequent periods, the liability is adjusted for accretion and any changes in the amount or timing of the underlying future cash flows. The capitalized asset retirement cost is amortized on the same basis as the related asset and accretion expense is included in the Statement of Operations.

Management is in the process of assessing the impact of adopting this standard on the District's financial results.

**Black Mountain Irrigation District**  
**Schedule 1 - Tangible Capital Assets**  
*For the year ended December 31, 2022*

	Land	Buildings	Water supply system	Water distribution system	Office equipment	Automotive	Other equipment	Work-in-progress	Total 2022	Total 2021
<b>Cost</b>										
Balance, beginning of year	2,507,037	1,696,311	21,114,436	60,314,298	285,685	2,127,657	529,970	1,843,316	90,418,710	82,181,918
Additions	-	-	-	154,150	-	47,474	-	2,339,969	2,541,593	8,327,504
Completed work-in-progress	-	61,908	1,063,883	241,808	-	-	-	(1,367,599)	-	-
Disposals	-	-	-	-	-	(44,427)	-	-	(44,427)	(90,712)
<b>Balance, end of year</b>	<b>2,507,037</b>	<b>1,758,219</b>	<b>22,178,319</b>	<b>60,710,256</b>	<b>285,685</b>	<b>2,130,704</b>	<b>529,970</b>	<b>2,815,686</b>	<b>92,915,876</b>	<b>90,418,710</b>
<b>Accumulated amortization</b>										
Balance, beginning of year	-	947,512	4,004,920	13,209,072	249,748	1,617,775	456,796	-	20,485,823	19,252,427
Amortization	-	35,366	274,991	885,651	8,496	117,587	24,596	-	1,346,687	1,324,108
Disposals	-	-	-	-	-	(44,427)	-	-	(44,427)	(90,712)
<b>Balance, end of year</b>	<b>-</b>	<b>982,878</b>	<b>4,279,911</b>	<b>14,094,723</b>	<b>258,244</b>	<b>1,690,935</b>	<b>481,392</b>	<b>-</b>	<b>21,788,083</b>	<b>20,485,823</b>
<b>Net book value, end of year</b>	<b>2,507,037</b>	<b>775,341</b>	<b>17,898,408</b>	<b>46,615,533</b>	<b>27,441</b>	<b>439,769</b>	<b>48,578</b>	<b>2,815,686</b>	<b>71,127,793</b>	<b>69,932,887</b>

Included in tangible capital assets are fully depreciated assets with cost and accumulated amortization of \$2,392,739 (2021 - \$2,263,928).

Included in tangible capital assets are contributed tangible capital assets having a value of \$35,339,691 (2021 - 35,185,541) Contributed tangible capital assets include water distribution systems acquired from developers as part of subdivision installations. These contributed assets are recognized at an estimate of the fair value of the cost of the materials and installation.

**Black Mountain Irrigation District**  
**Schedule 2 - Accumulated Surplus**  
*For the year ended December 31, 2022*

Accumulated surplus consists of individual fund surplus and reserves as follows:

	General operations	Equipment replacement reserve	Capital works renewal reserve	Investment in tangible capital assets	CEC reserve	Total 2022	Total 2021
<b>Accumulated surplus, beginning of year</b>	<b>2,300,009</b>	<b>196,095</b>	<b>4,150,675</b>	<b>64,159,887</b>	<b>11,078,259</b>	<b>81,884,925</b>	<b>73,020,801</b>
Annual surplus	3,184,818	4,066	471	(1,346,687)	66,257	<b>1,908,925</b>	8,864,124
Transfers							
Purchases and disposals of Tangible capital assets, net	(2,541,593)	-	-	2,541,593	-	-	-
Interfund, Bylaw	(191,925)	100,000	(820,000)	-	911,925	-	-
Repayment of debt	(293,000)	-	-	293,000	-	-	-
Interest	(307,703)	-	91,049	-	216,654	-	-
<b>Accumulated surplus, end of year</b>	<b>2,150,606</b>	<b>300,161</b>	<b>3,422,195</b>	<b>65,647,793</b>	<b>12,273,095</b>	<b>83,793,850</b>	<b>81,884,925</b>

# Black Mountain Irrigation District

---

Quote for audit services - 2023

**Jennifer Saville, CPA**

Senior Manager

[Jennifer.Saville@mnp.com](mailto:Jennifer.Saville@mnp.com)

T: (778) 475-5678

## Fee Quote for the year ended December 31, 2023

---

Dear Bob and Linda,

We are pleased to provide the following fee quote for your consideration regarding our continued work as your auditors:

Engagement item	Cost
Base fee for the audit of the financial statements of Black Mountain Irrigation District for the year ended December 31, 2023	\$27,500
One-time fees relating to the new PS 3280 – Asset Retirement Obligations standard	\$1,000 - \$3,000
One-time fees relating to the new PS 3450 – Financial Instruments standard	\$500
<b>Total estimated fees</b>	<b>\$29,000 - \$31,000</b>

The above fees would also attract a 5% administration fee to cover our incidental and out-of-pocket expenses.

This fee quote is based on us being provided all supporting documentation as described in our requirements letters at the commencement of the engagement, including:

- Bank reconciliations
- Schedule to support tangible capital assets costs, accumulated amortization, and gain(loss) on disposal(s)
- Documentation to support the inventory balance at year-end, which has been recorded at the lower of cost and market value
- Documentation supporting the deferred development costs, and other deferred liabilities
- Documentation on the unearned revenue balances, considering if all revenue streams have been appropriately segregated
- Transactions have been correctly recorded in the appropriate year to which the transaction relates

If assistance is required in the preparation and assessment of the above, then the fee would increase accordingly upon consultation with management.

In the event that additional work, outside what would be considered normal year-end audit work is requested, separate arrangements will be made in advance and agreed upon prior to commencing work.

## Invoicing

---

We will invoice our services and require payment in accordance with the following:

- Progress billing #1 – At the commencement of the interim fieldwork, 50% of the base fee quote plus administrative fee and taxes.
- Progress billing #2 – At the commencement of year-end fieldwork, 25% of the base fee quote plus administrative fees and taxes.
- Final billing – on completion of the engagement – remaining amount owing in accordance with this fee quote.

If you require any further clarifications or have questions on the above information, please feel free to contact myself or Trevor Martens, CPA.

We are very pleased to continue our relationship with you.

Yours truly,

**MNP LLP**

Jennifer Saville, CPA



## 2022 TRUSTEE'S REPORT TO THE WATER USERS

**MEETINGS:** The Board of Trustees held a total of 24 regular meetings in 2022 to conduct the business of the District. In addition to the regularly scheduled meetings, the Trustees attended other District-related functions during the year.

**ELECTIONS:** In 2022, Al Horning and Gerry Zimmermann were each re-elected by acclamation for a three-year term.

Colin Day was re-elected as Chairman for the current year by the Trustees.

**STAFFING:** The Management Team includes: Bob Hrasko, Administrator; Bryan Vig, Works Superintendent; and Linda O'Neil, Administrative Treasurer. BMID has 15 outside crew members and 4 office staff who belong to the Canadian Union of Public Employees, Local 338. There were no grievances on file between management and the union in 2022.

Scott Finlay, our Stations Lead, retired in July 2022 after 18 years of service. Kurt Kover was promoted as his replacement. We welcomed two new crew members in 2022, Darren Orr (as Fabricator) and Tony Bafaro (as General Maintenance). Additionally, Brenden Russell was hired in a new role as Engineer-In-Training, to assist the Administrator with the many projects and development issues that arise.

We congratulate our various Operators who completed training courses which resulted in their advancement of their EOCP designations.

**SAFETY:** With the COVID-19 Pandemic subsiding in 2022, our general safety procedures were in place and BMID complied with WorkSafe BC and the Provincial Health Officer Orders as required.

There were no major injuries or incidents related to work safety in 2022.

**WATER SUPPLY:** BMID relied on Mission Creek and our groundwater wells to provide the water supply to our customers. Mission Creek is our primary source and provided 91.8% of all water used by BMID in 2022.

BMID continues to work on a plan for a long-term solution for the replacement of our Gallagher's Canyon conduit, which includes the drilling of a new rock tunnel for water supply from Mission Creek. A tunnel would provide a stable route for the foreseeable future. The Right of Way for the tunnel is very close to final approval. Staff have been working on the detailed design, required construction contracts, and funding options for this complex project.

The unstable slope at the conduit continues to be monitored by a geotechnical consultant and a surveyor, with no significant movement noted in 2022.

BMID also has a significant Boundary Amendment application in process with Municipal Affairs. If approved, it would bring in 1880 acres of additional land into the BMID service area.

Other projects that are in planning stages include the irrigation transmission main above Pyman Road, and the relocation of BMID's Booster #1 Station.



**AMALGAMATION:** There was no news this year with regards to the City of Kelowna's long-range plans to amalgamate the water systems in Kelowna.

On October 15, 2022 there was the change of Mayor and 3 other Council member positions. The Board of Trustees hope to see an improved relationship in the coming years. The Trustees have met with Mayor Dyas recently to discuss projects that would benefit both BMID and the City.

The 'Kelowna Utilities' group continue to meet from time to time to review city-wide specifications for new infrastructure and common matters.

**ASSOCIATIONS:** The Water Supply Association of BC held a Spring Workshop in April 2022, with participants attending in person. The Fall AGM was held in person in November in Penticton, and was also well attended. Bob Hrasko, BMID's Administrator, serves as Chair of the WSABC. He occasionally attends the Water Stewardship Council on behalf of the WSA, and also serves as a Director on the Okanagan Basin Water Board, and serves on their Water Reservoirs and their Agriculture committees.

BMID supports these organizations and information is relayed regularly to the Board of Trustees to keep them up to date on local and regional water management matters.

**ADMINISTRATION:** The 2022 Tolls were increased by 5.7% to accommodate the inflation and increased costs being passed on by our suppliers. Inflation was very high during 2022, with some months seeing the Consumer Price Index averaging over 8%.

Agricultural Taxes were increased by \$6.00/acre (4.75%) to \$132.00 /acre /year for A-Grade irrigated lands, to reflect the increasing costs required for infrastructure renewal. After a full review in 2020 of BMID's renewal requirements, the Board and Management set a goal to increase tax levies to \$150.00/acre for Grade A lands by 2025. Agricultural Taxes for Grade A Lands will be increased by \$6.00/acre/year to meet that goal.

Approximately \$1,367,500 in BMID funded projects were officially recognized as complete in 2022, along with Developer contributions of \$154,000. It is important to note that most BMID funded projects are 'Renewal' projects, meaning that ratepayer funding is continually used for needed improvements including renewing our distribution system and infrastructure.

BMID's Capital Plan is currently being revised to reflect the new projects and changes in the priority of water system projects.



**GROWTH:** Growth and development activity in BMID for 2022 is reflected in the chart below, with comparisons to recent years.

<i>Grade &amp; Acres of Land / Connections / Development</i>	<i>Year End 2020</i>	<i>Year End 2021</i>	<i>Year End 2022</i>
Grade A Lands (lands actively irrigated, in acres)	4,687	4,947	5,001
Grade C Lands (irrigable lands, not watered, in acres)	1,106	1,055	989
Grade D Lands (dry lands, in acres)	2,658	2,454	2,712
Single Family Lots (including lots with Secondary Suites)*	5,913	5,981	6,074
Total Connections	9,664	9,866	10,161
Total Capital Expenditure Charges Collected	\$ 2,336,626	\$ 810,095	\$ 890,375
Developer Contributions (value of works installed)	\$ 612,415	\$ 7,135,062	\$ 154,150

**Note:** \*Single Family Lots now include those classified as having secondary suites.

**PROJECTS:** The Operations Report provides details of all the BMID projects underway. Some highlights of projects undertaken in 2022 by staff included:

- A high level scan of 4.7 km of PCCP (prestressed concrete cylinder pipe) within the District was completed. This was a complex project and provided BMID with valuable information for infrastructure renewal planning for this type of pipe;
- A new generator was installed at the Water Treatment Plant. The generator will provide the needed backup for all of the works at the Plant in case of a power outage;
- Dam Safety Reviews are underway. Due to the complexity and the short summer working season for some of the various dams, these reviews will be done over the next two years. The Province requires that DSRs are done periodically, to keep BMID in compliance with the regulatory requirements.

**EVENTS:** A Watershed Tour was held on August 31, 2022. The group of 20 included a mix of BMID Trustees and Staff, two Provincial Water Licensing Staff, JDS Mining representatives, the President of CUPE 338, along with a few BMID consultants and suppliers. The group travelled up to Loch Long, Fishhawk and Mission Lakes by all-terrain vehicles with lunch provided at the Graystoke cabin. It was a successful tour, with good communication between all participants, and an overall a very informative day.

Lunch included a recollection of the construction of Graystoke Dam some 52 years earlier, told by Colin Day who was on the BMID Board at the time, and by Bruce Wilson, who was a young inspector on the project.



The BMID 100 Year Anniversary Celebration (Open House) which had been previously postponed due to Covid restrictions, was finally held on September 17, 2022. The Gordie Ivans Ultra-Violet Disinfection Facility was officially dedicated and post-humously named after our long-standing BMID Trustee and Chairman, Gordie Ivans, who served the District for 40 years.

Over 100 interested customers, consultants and suppliers attended the Open House, and were treated to many historical displays and a tour of the UV Facility. BMID produced a video that showed the ingenuity and perseverance of the BMID settlers in bringing water down from Black Mountain to their fields. Also in attendance were several of the City of Kelowna Councillors – some noted they were very impressed with our UV Facility.

Additionally, in December 2022, BMID and Rutland Waterworks jointly held a Holiday Open House in appreciation for our numerous suppliers and consultants.

#### **ACKNOWLEDGEMENTS:**

The Trustees acknowledge the continued co-operation, dedication and hard work of the BMID staff in the past year. We look forward to another productive year of serving our ratepayers.

Respectfully submitted,

#### **Board of Trustees**

Colin Day - Chairman  
Sukhpaul Bal - Trustee  
Al Horning - Trustee  
Allen Kirschner - Trustee  
Gerry Zimmermann - Trustee



## 2022 OPERATIONS AND MAINTENANCE REPORT

**MAINTENANCE:** BMID Operations Staff continued with our annual maintenance schedule in 2022. Work includes maintenance of our PRV stations, Booster Stations, UV Disinfection Facility, Chlorination facilities, domestic and irrigation services, valve exercising, hydrant servicing, air valve maintenance and water main flushing. Extensive maintenance is done every year on all major components of the Water Distribution System as well as work in the Watershed to maintain operating efficiencies and extend the lifespan of the entire water system.

**REPAIRS:** Small water leaks at service connections continued to be repaired throughout the District as needed. The leaks are repaired as quickly as possible to avoid property damage, water wastage and as a means of demonstrating a high level of service for the public.

There was one repair of note that was required on a 150mm A/C watermain located on Holbrook Rd. This main break was caused by an excavator that had hit the line while installing storm drainage works.

Much of the water system is now over 50 years old. The mainlines are generally in excellent condition. Some of the service lines are now nearing the end of their usable service life. It is expected that the District will be required to increase the replacement/renewal of these services in the coming years.

**SLOPE ISSUE: Background (2018-2021)**

Starting in mid-2018 and into early-2019 BMID dealt with a significant slope movement issue adjacent to its primary 60" transmission main through Gallagher's Canyon. The movement resulted in watermain breaks on two occasions that caused the District to switch to a backup emergency water supply. The initial cause of the slope movement has been correlated to high ground water levels in the spring of 2018. Since March of 2019, the in-ground monitors have shown that the groundwater levels have dropped and remained relatively stable. In 2020 BMID retained JDS Energy & Mining Inc. to carry out an extensive core-sampling drilling program. The purpose of the program was to explore the viability of extending our existing rock tunnel around the unstable slope. The program was a success and a 1650m long tunnel extension is planned. In 2021 the areas that were disturbed by repair work were back filled and restored to their natural state.

**Current (2022)**

In 2022 BMID hired AF Consulting, JDS Energy & Mining Inc., along with several sub-consultants to work towards the detailed design of a two phased project that will mitigate the risks associated with the slope instability. The first phase is a 1500mm pipeline that will span approximately 500 meters and connect our existing Screening Works building to the new Tunnel Portal. It includes a new metering chamber, isolation valves, air releases, and several drainage points. The second phase is the extension of the existing McDougall rock tunnel by approximately 1650 meters. The design of this section includes



structural analysis, chemical composition and a testing plan of the rock, portal entries including sealed marine entry doors, rock stockpile and disposal, construction wastewater disposal, and an environmental impact mitigation/restoration plan. In addition to the design works, BMID staff also ordered all the necessary materials that are expected to have long lead times. The design, permitting, and financing is expected to be completed by mid-2023 with construction of the first phase beginning late in the year.

## **TRANSMISSION MAIN ASSESSMENT:**

BMID staff and Pure Technologies worked together to plan and execute a highly accurate and comprehensive condition/risk assessment of the primary transmission main between the Surge Tower and PRV #2. This section of mainline is approximately 4.8km in length and is made up of 1200, 1050, and 900mm prestressed concrete cylinder pipe (PCCP).

As it ages, this type of pipe (PCCP) can be susceptible to serious failures due to internal breakages of the high-tensile prestressing wire that reinforces the structure of the pipe. For most utilities, on average these distressed pipes make up approximately 3.5% of the overall pipe lengths. Identifying the individual damaged pipes using this technology avoids unnecessary replacement of the entire pipeline which in turn can defer the expenditure of millions of dollars in renewal costs.

The assessment was carried out using two pieces of equipment that both 'free swim' through the pipe and collect data while the main remains in service. The water system was manipulated in a way to leave most customers with uninterrupted service except for 13 connections that were shut off for the recovery of the high-tech equipment.

The project was a success with the equipment traveling through the pipeline and recovered as expected. The assessment shows that the transmission main is in good condition with just three areas of concern. There is one suspected leak and two pipes with broken wires which equates to a distress rate below 0.2%. These non-urgent repairs will be addressed in 2023.

## **OTHER WORK:**

- BMID continued to work with CTQ Consultants to add to the GIS system throughout 2022. The GIS system continues to improve efficiencies by using up to date as-built drawings and coordinated service records while conducting maintenance activities.
- Work continued on a large multi-phase project in the Mission Creek watershed. The Provincial Dam Safety Regulations require that BMID improve the access to the Fish Hawk Reservoir as well as to install rock armoring on the Dam face. In 2022, BMID continued to work with R. Smith Contracting to complete the road resurfacing between Mission Creek and Fish Hawk reservoir. In addition, approximately 1600 m<sup>3</sup> of rock was stockpiled near the dam and will be put in place in 2023.



- A new chlorine gas ventilation system was installed at the primary chlorinator which is located at the Screening Works facility adjacent to Hadden Pond. This upgrade was a requirement of Work Safe BC and will provide protection for our Operators in the unlikely event that a chlorine leak occurs.
- BMID staff completed the renewal of approximately 9 connections to our primary transmission main between Band Rd and PRV #2. These air valves, low point drains, and services were 50+ years old and were at the end of their service life. We are continuing this renewal program for the next several years to replace all the original connections to the PCCP transmission mains. This will reduce the risk of a widespread service disruption in the event of a failure.
- Comprehensive Dam Safety Reviews were started for Fish Hawk, Graystokes, and Belgo Reservoirs. These reviews were carried out by Interior Dams who is a local consultant that specializes in this type of work. These reviews are a requirement of the Provincial Dam Safety Regulation in 7 or 10 year intervals depending on the hazard rating of the dam. These reports will be completed in early 2023.
- Approximately 65 agricultural meters were replaced as a part of ongoing renewal work that started in 2022. Most of the approximately 400 agricultural meters are now 15+ years old and are past their expected service life.
- The existing 6" Roll Seal control valves in PRV #14 & 15 were changed out for new Cla-Val valves. The Roll Seals have proven to be unreliable and pose a risk to over pressurizing the zones they feed. In addition, a flow meter was added to PRV #16 to increase the operators' abilities to monitor and control that zone.
- PRV #5b on Velrose Dr was rebuilt and brought above ground into a kiosk. BMID has committed to modifying 1 or 2 stations per year to eliminate confined spaces as defined by WorkSafe BC. Less confined space facilities will reduce the risk to the operations staff while carrying out maintenance work.

**EQUIPMENT:** The majority of BMID's equipment is subjected to normal wear and regular maintenance is performed throughout the year. A new pickup truck was purchased in 2022. Two older trucks were sold.

**STAFF:** Our BMID works crew of 15 staff have performed well and worked diligently throughout the year. Management is very pleased and supportive of the crew's efforts. Because of these efforts, the organization had a very successful and productive year while maintaining a high level of service to BMID's customers.



**WATERSHED:** Graystoke, Fish Hawk and Loch Long Reservoirs are high elevation reservoirs that BMID accesses to obtain the highest water quality available throughout the summer months. This year, BMID’s watershed saw relatively normal conditions through Spring and Summer. However, Belgo, Graystokes, and Fish Hawk Reservoirs were intentionally drawn down in September to facilitate the geotechnical drilling investigations that were required as a part of the Dam Safety Reviews. In addition, the Fall saw a seasonal drought which left the total upland reservoir storage near the 20% target, which is the minimum that BMID attempts to leave in storage at year-end.

Water from James Lake Reservoir is only used as an irrigation source for the Scotty Creek area of the distribution network in BMID’s north-end.

The reservoir levels at 2022 year-end are summarized below. At year end 21% of storage remained in place.

**Watershed Reservoir Data:**

<b>Reservoir</b>	<b>Capacity (ML)</b>	<b>Volume at Yr End (ML)</b>	<b>% Full</b>
Belgo Reservoir	6,816	1,345	20%
Graystoke Reservoir	5,096	325	6%
Fishhawk Reservoir	2,107	623	30%
Loch Long Reservoir	625	594	95%
James Lake Reservoir	1,776	596	34%
<b>TOTAL</b>	<b>16,420</b>	<b>3,483</b>	<b>21%</b>

I would like to thank the Crew, Management, and the Board of Trustees, for their support throughout the year.

*Respectfully submitted,*

**Bryan Vig**  
**Works Superintendent**



## **2022 WATER TREATMENT PLANT (WTP) REPORT**

### **WTP OPERATIONS - OVERVIEW**

The Black Mountain Irrigation District's Class IV Water Treatment Plant (WTP) performed very well throughout the 2022 treatment season. Improved water quality was achieved in all water quality measurements, especially in the reduction of color, turbidity, total organic carbon levels, and disinfection by-products (Trihalomethanes and Haloacetic acids).

The BMID WTP began yearly operations on January 19<sup>th</sup> and the plant continued to run until October 31<sup>st</sup> when the water quality in Mission Creek no longer required chemical treatment to remove turbidity and colour. In total, the WTP was in operation for 258 days during the 2022 treatment season. The plant was open for 281 days the previous year and the five-year average is 237 days of treatment annually.

Turbidity spikes during freshet in Mission Creek were common, as experienced in the past. However, the 2022 season had much higher creek flows compared to the 2020 and 2021 treatment seasons. Fortunately, Mission Creek did not encounter the same significant flooding and high turbidity events that occurred in the 2017 and 2018 seasons. Nevertheless, turbidity spikes were more severe than during the 2021 treatment season. The Water Treatment Plant was able to maintain turbidity levels below 1.0 NTU (Nephelometric Turbidity Units) at the point of disinfection for the entire time in which the WTP was in operation.

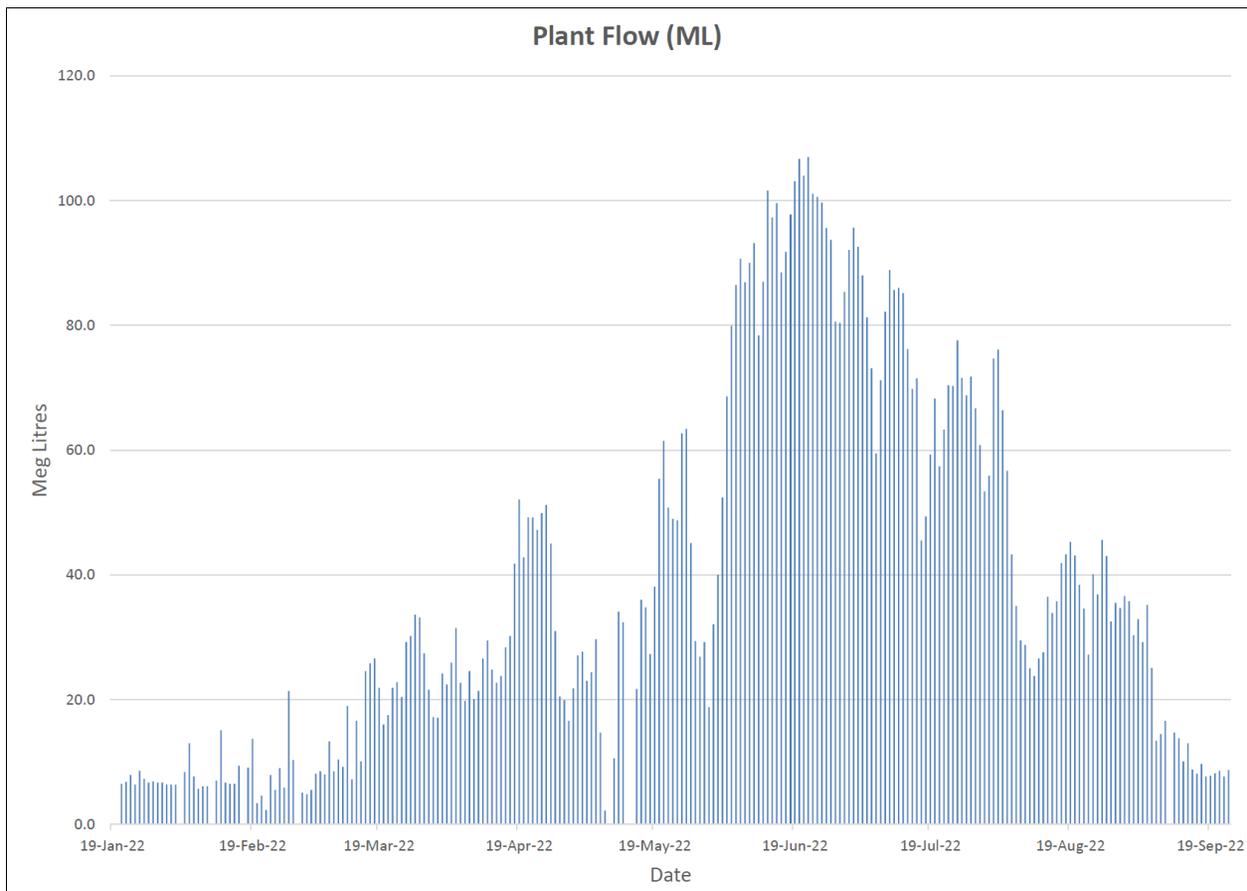
Hadden Pond – after Plant Treatment, clarified water in settling pond





## PLANT FLOW

For the Mission Creek source, peak daily water production of 107 ML (28,266,409 US gallons) occurred on July 30, 2022. The peak instantaneous demand was recorded at 1,227 L/s. For the 2022 season, 9,296 ML of water was treated compared to an average of 9,694 ML over the past five years. In 2022, the Water Treatment Plant was open for 258 days, when the raw water quality had improved enough to no longer require chemical treatment.



Daily plant flow ML for 2022, combined total for both trains

After chemical treatment for clarification of the water supply at the WTP, the same volume of water is chlorinated providing initial disinfection. The chlorinated water then flows through BMID's UV Facility (separate location from the Water Treatment Plant), where it is treated with Ultra-Violet light as a second barrier of protection.

### Plant Flow

Number of Days in Operation:	258 Days
Total Flow:	9,296 ML
Average Daily Flow:	36.3 ML
Peak Flow:	107 ML



## TURBIDITY

As set by Interior Health's Water Treatment Objective, Black Mountain's system turbidity is to be less than 1.0 NTU at its first customer (Booster 1). Throughout the treatment season, the Water Treatment Plant was able to maintain acceptable turbidity below this guideline. Turbidity at the first customer peaked at 1.20 NTU on June 25th. This result was taken from a single grab-sample. The average daily turbidity at this location on June 25th was 0.34 NTU on the on-line turbidity analyser. During spring freshet, raw water turbidity at the Grit Pond peaked at 533 NTU on June 14, 2022. The WTP was unable to adequately treat turbidity levels in this range, therefore BMID Operators closed the headgates at the creek and relied on treated water storage in Stevens and Hadden reservoirs.

In addition, the recorded highest turbidity at the Distribution Intake, Hadden Pond, was 1.00 NTU on March 18, 2022, with the data obtained through a single point grab sample.

Average turbidity levels over the treatment period at locations in the water supply system are as follows:

<b>Location</b>	<b>Lab (NTU)</b>	<b>On-line (NTU)</b>
Raw Grit Pond	7.69	-
Stevens Intake	0.46	-
Stevens Outlet	0.47	-
Hadden Outlet	0.43	-
Screen Works	0.45	0.46
Booster Stn No. 1	0.47	0.41



Flocculators at the Water Treatment Plant

Turbidity in Mission Creek – Raw Water at Intake Site (June 14, 2022)

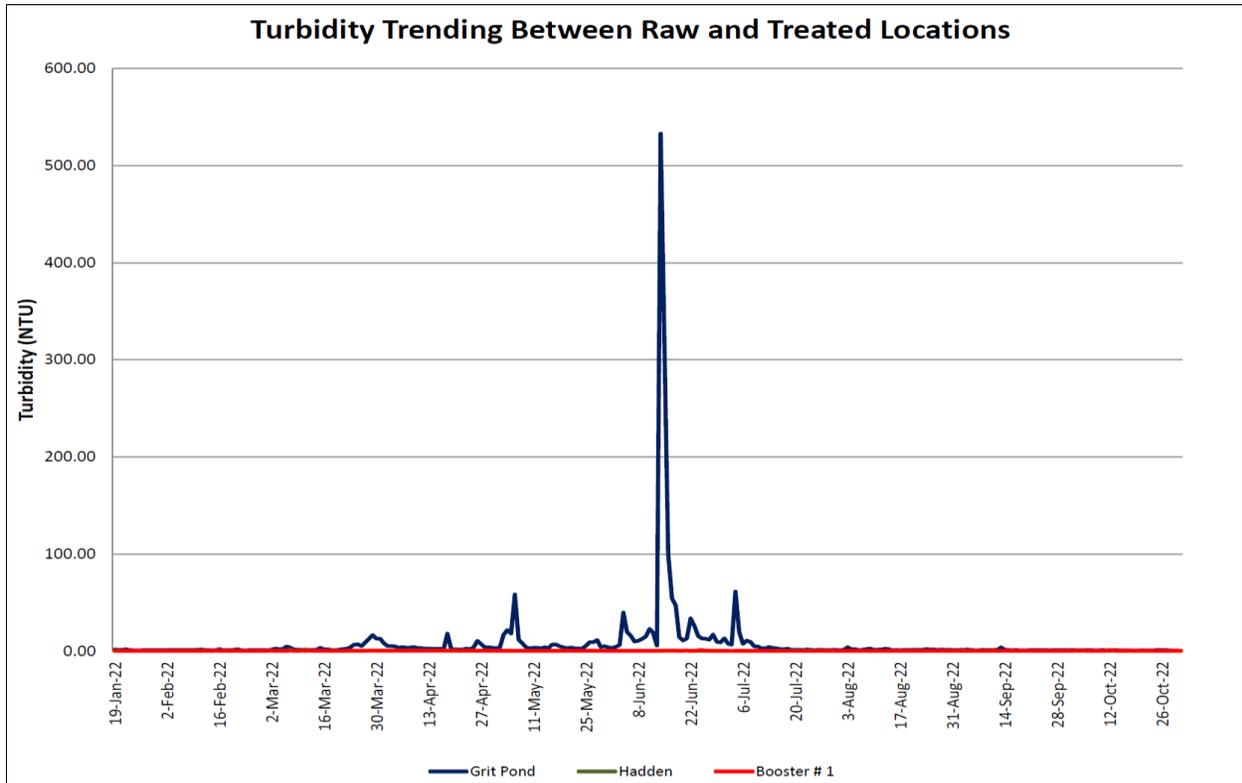


Bank erosion at Mission Creek Headgates in June 2022

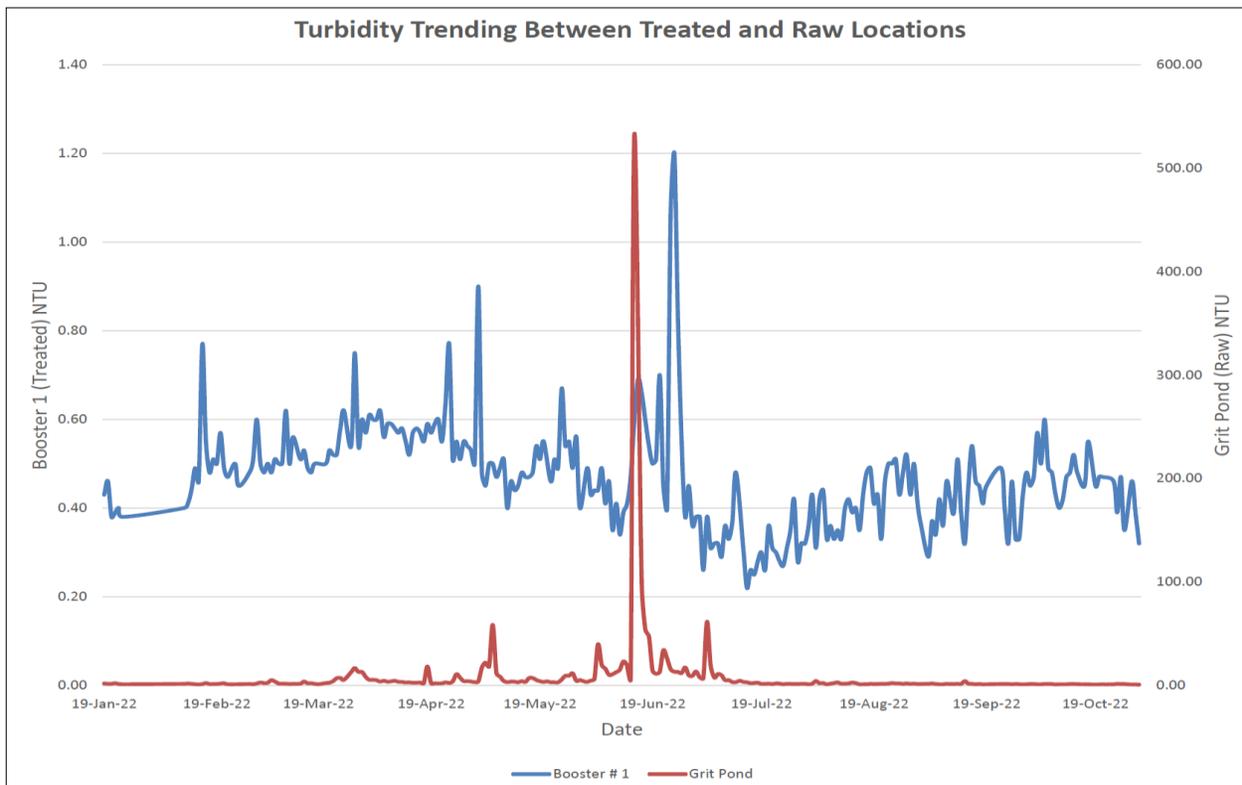


New Sludge Drying Lagoons





Turbidity trending taken at Grit Pond (raw Avg Turbidity 7.69 NTU) and Booster 1 (treated, first customer, Avg Turbidity 0.47 NTU)

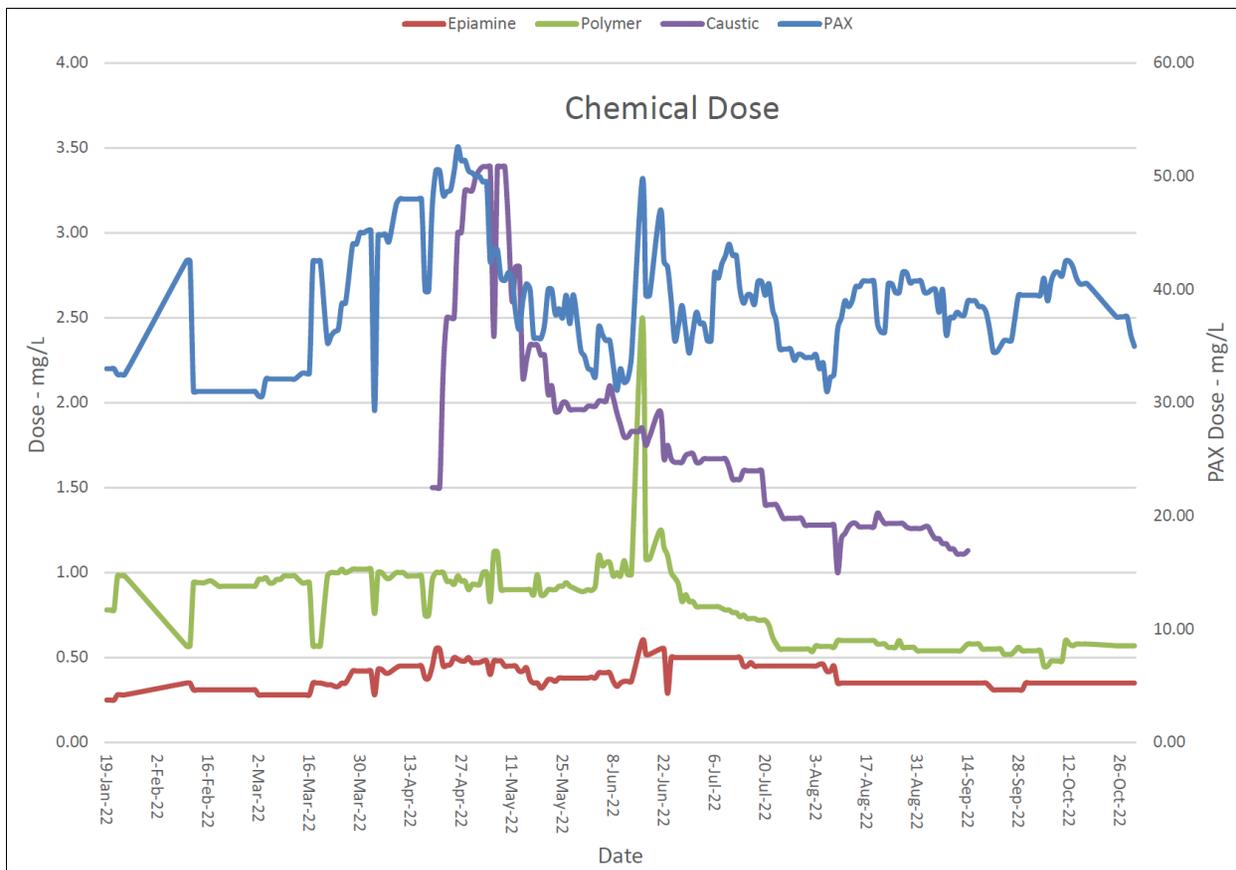




## CHEMICAL DOSING

Three chemicals (Pax, Epamine and Polymer) are used in the WTP's coagulation and flocculation processes. The Streaming Current Monitor devices allows the operators to remotely optimize chemical dosing based on particle charges and water chemistry. This improves the plant's performance and minimizes wasting chemical due to over-dosing. New for the 2022 treatment season, BMID purchased two new peristaltic pumps for more efficient Epamine dosing.

The primary coagulant (Pax) reached a peak dose of 52.6 mg/L and a low of 29.3 mg/L. In addition to the Pax, the coagulant aid (Epamine) dose ranged between 0.60 mg/L and 0.28 mg/L. Polymer addition, used as a flocculation agent, ranged between 2.50 mg/L and 0.45 mg/L. The polymer had an upgraded pumping system installed in 2021 to provide additional polymer dosing when required.



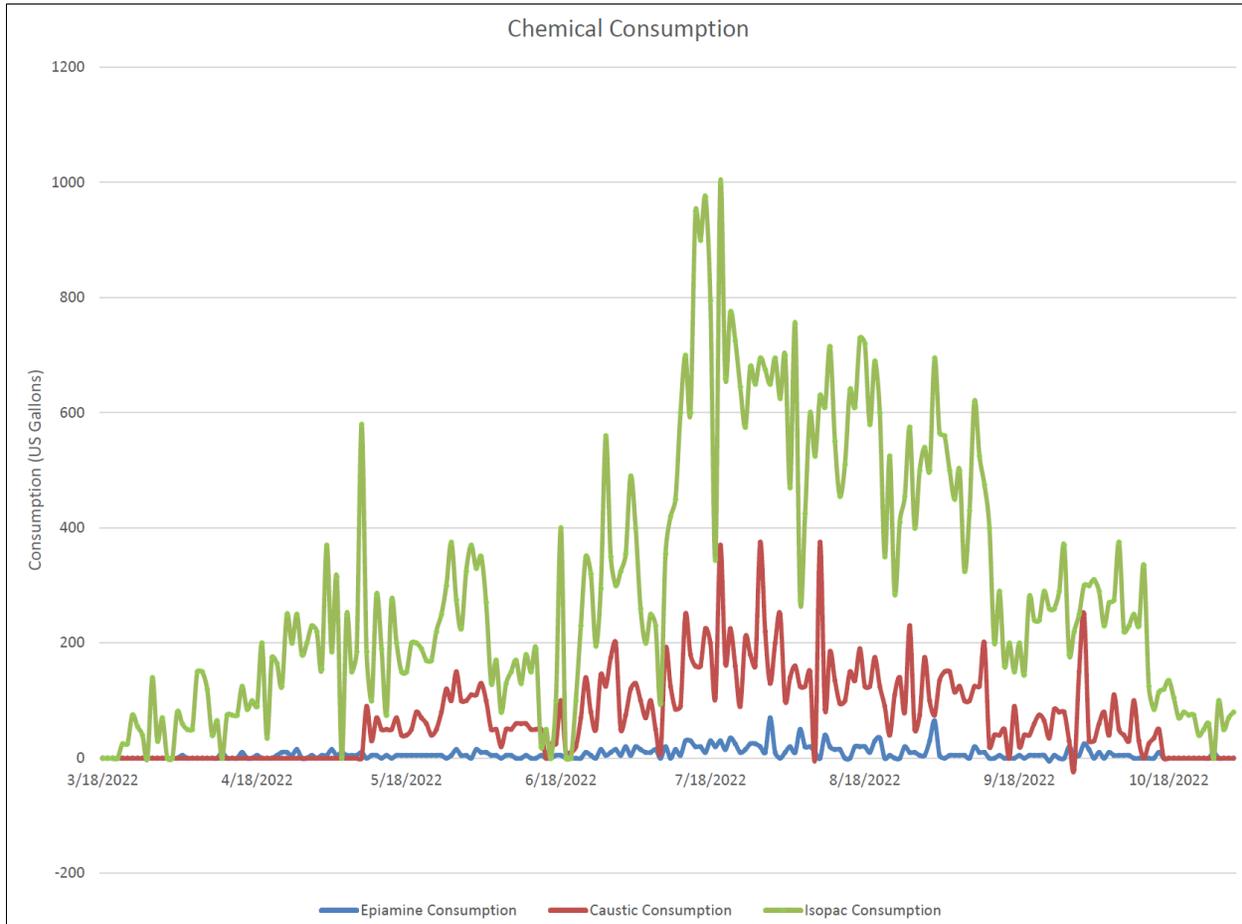
Dosing taken as a combined daily average at two clarifiers.

Chemical	Chemical Dosing (mg/L)			
	Epamine	Polymer	Caustic	Pax
Highest Dosage	0.55	1.20	3.39	52.50
Lowest Dosage	0.24	0.50	1.00	25.00
Average Dosage	0.32	0.78	1.80	33.43



## CHEMICAL USAGE

Like previous years, chemical usage at the WTP is primarily a product of the volume of water treated. However, the level of organics and inorganics in the water also plays a crucial role in the amount of chemical required to adequately treat the water. Moreover, the pH, alkalinity, and temperature in Mission Creek raw water will also influence the amount of chemical needed to achieve treatment goals.

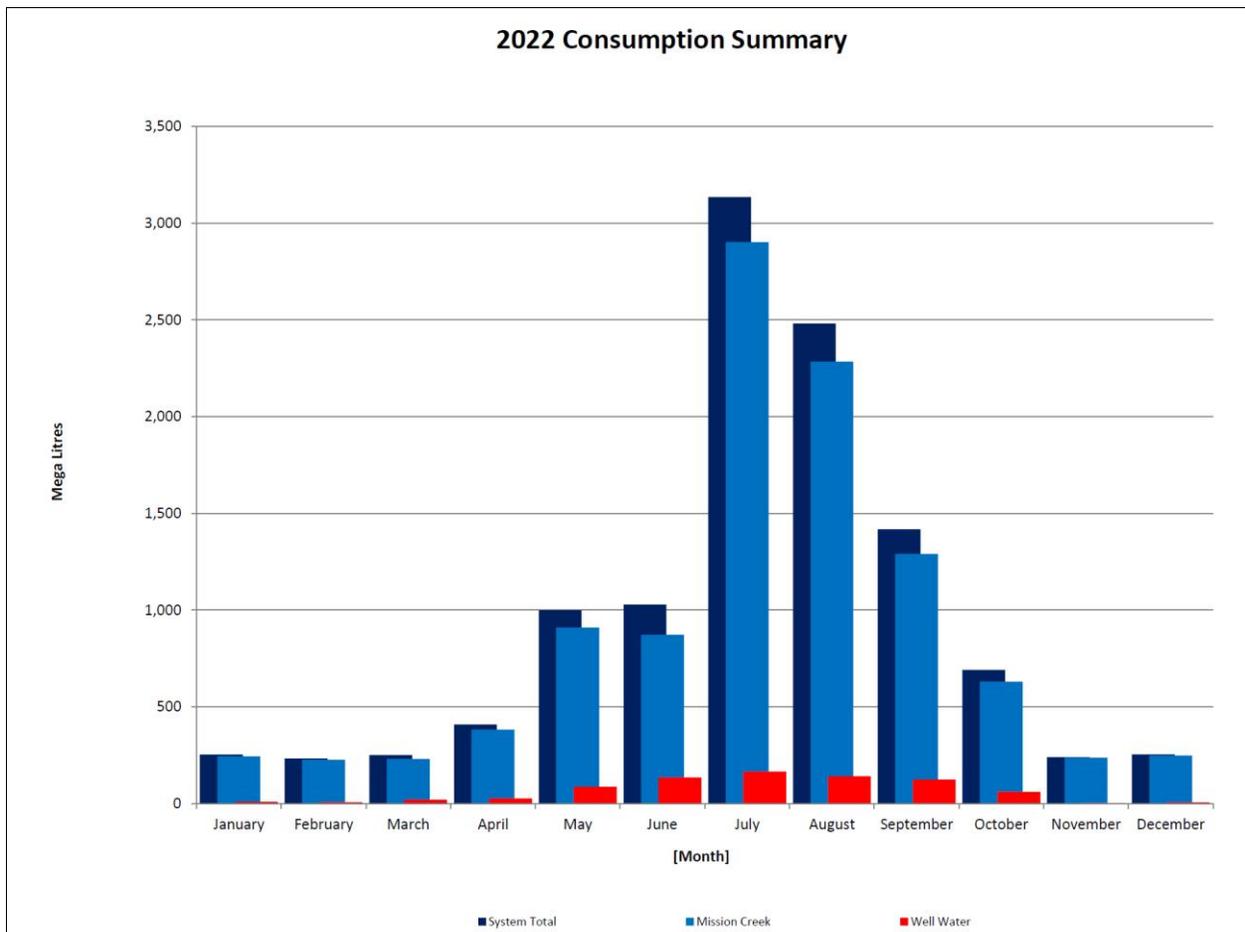


<b>PAX (Coagulant)</b>	<b>Epiamine (Coagulant aid)</b>	<b>Caustic Soda (pH adjustment)</b>	<b>Polymer (Flocculant)</b>
Liters	Liters	Liters	Kg
259,566	6,681	60,964	5600



## DISTRICT CONSUMPTION

During 2022 BMID utilized a variety of water sources, both surface-water and groundwater, to provide domestic and irrigation water to its customers. BMID has one surface-water source and two groundwater wells that provide potable water to the distribution system. In addition, one surface-water and one ground-water source provide non-potable water for irrigation only. The Mission Creek water source provides the majority of water for the distribution system, treated through the Water Treatment Plant, with the remaining sources used to provide flow to the north-end of the distribution system.



Monthly Consumption

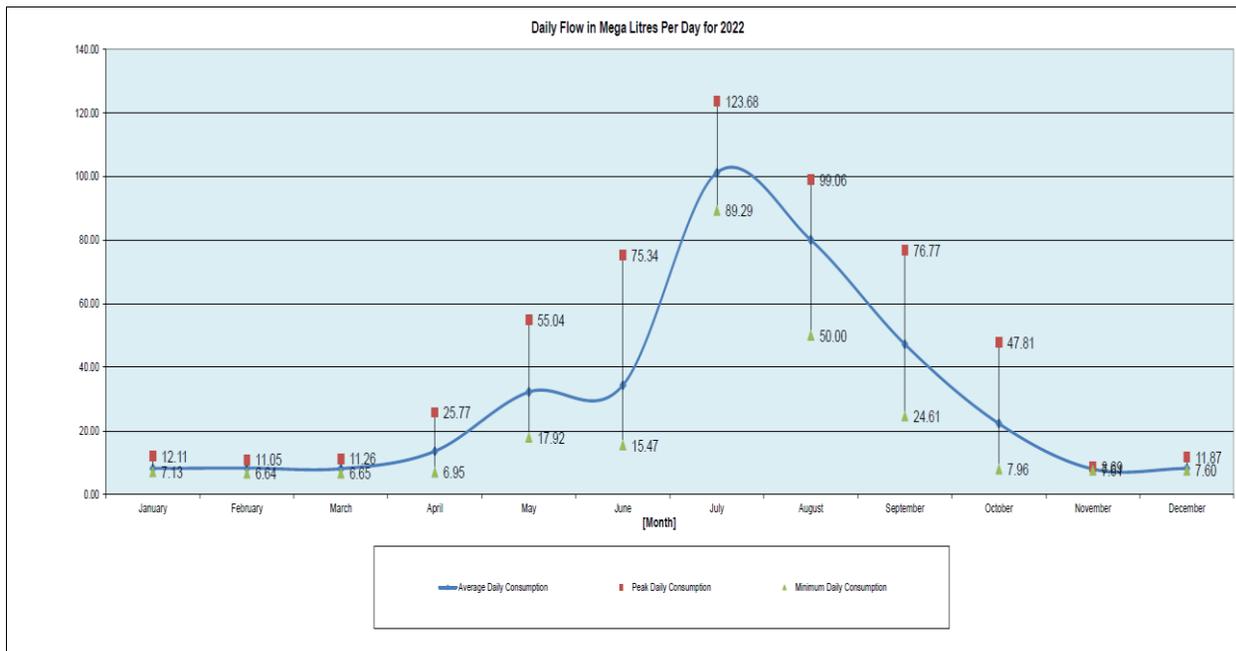


For 2022, Mission Creek supplied 91.7% of all water used in the distribution system. The Scotty Creek surface water source provided 1.3% of flows and the three groundwater (Well 4, Well 5, Well 6) provided the remaining 7.0% of water to the system. The average annual consumption for the previous five years was 12,066 megaliters (ML). Throughout 2022, 11,392 ML of water was provided to the distribution system (94% of the five-year average) from all sources.

BLACK MOUNTAIN IRRIGATION DISTRICT									
MONTHLY CONSUMPTION TOTALS AND YEAR END SUMMARY									
Year	Mission Creek	Well #4	Well #5	Well #6	Scotty Creek	NE Production	Well Water	Surface Water	System Total
2022	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres
January	244.04	8.57	0.00	0.00	0.00	8.57	8.57	244.04	252.61
February	226.04	6.95	0.00	0.00	0.00	6.95	6.95	226.04	232.99
March	231.21	20.19	0.00	0.00	0.00	20.19	20.19	231.21	251.39
April	381.84	12.85	13.41	0.00	0.00	26.27	26.27	381.84	408.11
May	909.52	20.37	63.06	3.34	3.06	89.83	86.77	912.58	999.36
June	872.14	20.15	36.70	78.66	21.44	156.95	135.51	893.59	1,029.09
July	2,902.69	36.06	21.88	107.66	67.17	232.77	165.60	2,969.86	3,135.46
August	2,283.52	1.96	117.22	21.82	56.56	197.56	141.00	2,340.08	2,481.08
September	1,290.61	11.19	89.96	22.32	2.73	126.21	123.48	1,293.34	1,416.82
October	630.72	9.32	51.19	0.00	0.00	60.50	60.50	630.72	691.22
November	236.76	2.75	0.00	0.00	0.00	2.75	2.75	236.76	239.51
December	248.43	6.02	0.00	0.00	0.00	6.02	6.02	248.43	254.45
Total	10,457.53	156.37	393.42	233.81	150.96	934.56	783.60	10608.50	11,392.09

Monthly Consumption by Source

Consumption varies considerably based on the time of the year. As irrigation represents over 60% of annual flows, there is a dramatic increase in consumption during the height of the growing season. Both July and August had consistently high flows to meet the increased demands from irrigation users during the peak of summer. Peak daily consumption of 123.7 ML (5 year average of 129.9 ML) took place on July 1 and minimum flow of 6.64 ML was on February 19. High flows of over 100 ML/day occurred for 17 days during the summer of 2022. The average for the proceeding five years was 31 days/year with flows above 100 ML/year.





## MAINTENANCE & UPGRADING WORKS

Maintenance and upgrading occurs continuously throughout the year. In 2022, there were several repairs and upgrades that were carried out by District staff and support resources from the water supply industry. The upgrades and maintenance items are listed as follows:

- Installation of new 230kW stand-by Cummins generator adequately sized to run the WTP when hydro power is unavailable;
- Completion of two new, large sludge retaining and drying lagoons on the plateau above the WTP;
- Completion and testing of the sludge pump from existing sludge pond to the two sludge drying lagoons;
- Purchase and installation of two new small peristaltic pumps for Epiamine dosing. Peristaltic pumps will provide more accurate chemical dosing and less wear compared to the piston pumps they are replacing;
- Upgraded external lighting to LEDs in both WTP operations and process buildings;
- Replace and upgrade existing baffle curtains in clarifiers and upgrade anchoring system. New curtains retain more sludge and floc upstream of the curtain and wall. Limits floc carryover in the clarifiers;
- Purchase and installation of fifty-eight concrete barriers placed around the two clarifiers. Prevents equipment and vehicles from accidentally entering the clarifiers;
- Replaced original return-flow valve frame and gate with upgraded materials at the Fish Screens;
- Additional underwater camera installed in flocculation train 2;
- Purchased and installed a new turbidity meter for clarifier 2. The older turbidity meter was reinstalled at Grit Pond to provide operators with two raw water turbidity readings;
- Rebuilt spare primary floc mixer gearbox;
- New perimeter fencing after completion of upper sludge drying lagoons;
- Purchase of new laboratory oven to measure percent solids of sludge;
- Two new shafts machined for the hydraulic driver for the sludge auger.

## STAFFING

Three employees staffed the Water Treatment Plant for the 2022 season. All three operators from the end of the 2021 treatment season resumed their respective roles for the 2022 treatment year. For the 2022 season, the three WTP staff resumed their on-call duties for the entire season based on a three-week rotation for on-call responsibilities.

*Respectfully submitted,*

**Chase Elliott**  
**WTP Chief Operator**



Account Code : 1-1-500-500  
 To 1-2-640-661  
 Fiscal Year : 2023

Account Code	Account Description	2022 Budget Values	2023 Budget Values
<b>1 GENERAL OPERATING FUND</b>			
<b>REVENUES</b>			
1-1-500-500	IRRIGATION TAXES	-764,500	-807,000
1-1-510-510	WATER TOLLS - DOMESTIC & COMMERCIAL	-5,943,500	-6,508,000
1-1-510-511	SALE OF WATER/HYDRANT USE PERMITS	-15,000	-15,000
1-1-520-520	CONNECTION FEES	-75,000	-30,000
1-1-520-521	TAX & TOLLS INFORMATION	-12,500	-7,500
1-1-530-530	ADMINISTRATION OVERHEAD	-1,000	-1,000
1-1-530-531	LABOUR OVERHEAD	-2,500	-2,500
1-1-530-532	EQUIPMENT RENTAL	-7,500	-7,500
1-1-530-533	HYDRANT MAINTENANCE REVENUES	-47,500	-50,000
1-1-540-540	SUNDRY REVENUE	-5,000	-5,000
1-1-540-541	PENALTIES & INTEREST	-50,000	-50,000
1-1-540-542	BANK & INV. INTEREST EARNED	-17,500	-30,000
1-1-540-545	100 YR HISTORY BOOK SALES	-1,000	-1,000
1-1-540-549	TURN ON/OFF CHARGES & NEW ACCT FEES	-15,000	-9,000
1-1-540-550	DEVELOPMENT REVIEWS	-2,500	-1,000
<b>Total REVENUES</b>		<b>-6,960,000</b>	<b>-7,524,500</b>
<b>EXPENSES</b>			
1-2-600-602	TRAINING & EDUCATION (OPS)	35,000	35,000
1-2-600-604	STAFF EXP: OVERALLS/BOOTS/CLOTHING/PROMO	15,000	17,500
1-2-600-606	MEMBERSHIPS / EOCP DUES / PROF ASSN FEES	3,500	3,500
1-2-600-608	AS-BUILTS/ GIS MAPS/ BLUEPRINTING	40,000	40,000
1-2-600-610	CONSULTING SERVICES - GENERAL	50,000	50,000
1-2-600-612	WATERSHED MGMT (SRC PROT/DAM INSP)	30,000	25,000
1-2-600-614	WATER CONSERVATION / LEAK DETECTION	3,000	3,000
1-2-600-616	PROV LICENSING / PERMIT FEES	30,000	35,000
1-2-600-618	INSURANCE	237,500	250,000
1-2-600-620	W. C. B. COSTS	41,000	44,000
1-2-600-622	RADIO LIC/TOWERS/SAT PHONE/CALL CTR	9,000	9,000
1-2-600-626	PROCESS CONTROL - SCADA O&M	12,500	12,500
1-2-600-628	FREIGHT & SHIPPING CHARGES	3,500	3,500
1-2-600-630	SICK PAY	55,500	56,500
1-2-600-631	VACATION PAY	150,000	150,500
1-2-600-632	OBSOLETE INVENTORY / WRITE-OFFS	2,500	2,500
1-2-600-633	STATUTORY HOLIDAYS	81,000	89,500
1-2-600-641	UV FACILITY - CHEMICALS	10,000	20,000
1-2-600-642	UV FACILITY - WAGES	25,000	25,000
1-2-600-643	UV FACILITY - UTILITIES	35,000	35,000
1-2-600-644	UV FACILITY - MNTC & MISC	30,000	30,000
1-2-600-645	WTP - CHEMICALS	435,000	500,000
1-2-600-646	WTP - WAGES	195,000	190,000
1-2-600-647	WTP - UTILITIES	70,000	70,000
1-2-600-648	WTP - MTNC & MISC	160,000	152,000
1-2-600-649	WTP STANDBY DUTIES	45,000	48,500

**Black Mountain Irrigation District**  
**Provisional Budget Report**



Account Code : 1-1-500-500  
 To 1-2-640-661  
 Fiscal Year : 2023

Account Code	Account Description	2022 Budget Values	2023 Budget Values
1-2-600-650	WAGES - SYSTEM OPERATIONS	230,000	210,000
1-2-600-651	SAFETY SUPPLIES / EQUIP/ MEETINGS	20,000	15,000
1-2-600-654	DOMESTIC SERVICE (& METER) REPAIRS	100,000	75,000
1-2-600-655	IRRIGATION SERVICE REPAIRS	25,000	25,000
1-2-600-656	WATER MAIN & BLOW OFF REPAIRS	75,000	75,000
1-2-600-658	METER READING / NOTICES	6,000	6,000
1-2-600-659	IRRIGATION METER REPAIRS & REPLACEMENTS	40,000	40,000
1-2-600-662	WATER QUALITY TESTING	65,000	65,000
1-2-600-664	CROSS CONNECTION CONTROL PROGRAM	17,500	18,500
1-2-600-665	WD - CATHODIC PROTECTION	30,000	10,000
1-2-600-666	POWER - STATIONS/INTAKE/WELLS	250,000	250,000
1-2-600-667	TELEPHONE - STATIONS/INTAKE	5,000	5,000
1-2-600-668	STATIONS - REPAIRS/PARTS/MTNC	420,000	425,000
1-2-600-669	HYDRANT REPAIRS	17,500	25,000
1-2-600-670	FLUSHING	30,000	35,000
1-2-600-671	AIR VALVE REPAIRS & MAINTENANCE	35,000	35,000
1-2-600-672	CHLORINE - WELLS/STNS	75,000	80,000
1-2-600-674	UPSTREAM WORKS LABOUR, REPAIRS & EQUIP.	100,000	125,000
1-2-600-676	STANDBY DUTIES - DISTRIBUTION	63,500	64,500
1-2-600-680	UTILITY EXPENSES - SHOP	27,500	27,500
1-2-600-682	SHOP SUPPLIES, TOOLS & EQUIPMENT	27,500	35,000
1-2-600-685	SECURITY BLDG & EQUIPMENT	7,500	7,500
1-2-600-686	HEAVY EQUIPMENT - REP & MTNC	80,000	75,000
1-2-600-688	LIGHT TRUCKS - REP & MTNC	55,000	50,000
1-2-600-692	SMALL ENGINES - REP & MTNC	15,000	15,000
1-2-600-694	FUEL - VEH/HEAVY (Gas/Diesel/Propane)	125,000	125,000
1-2-600-696	SHOP & YARD WORK - MISC.	85,000	92,500
1-2-600-698	GRASS/WEED/SNOW REMOVAL	20,000	20,000
1-2-600-700	HYDRANT MAINTENANCE COSTS	25,000	25,000
1-2-600-702	METER RE & RE - MF & COMM	7,500	12,500
1-2-600-708	UPSTREAM WORKS - MISSION CREEK	20,000	50,000
1-2-610-600	SALARIES - OFFICE	375,000	395,000
1-2-610-602	TRAINING & EDUCATION (OFFICE)	2,000	2,000
1-2-610-604	MEETINGS/CONFERENCES	7,500	12,500
1-2-610-609	LEGAL SERVICES & APPRAISAL FEES	15,000	15,000
1-2-610-611	EMPLOYEE BENEFITS - EI & CPP	102,000	111,000
1-2-610-613	EMPLOYEE BENEFITS - MISC.	8,500	8,500
1-2-610-616	EMPLOYER HEALTH TAX	37,000	39,250
1-2-610-617	EMPLOYEE GROUP BENEFITS PLAN	102,000	110,500
1-2-610-620	MPP EMPLOYER PORTION	140,000	149,500
1-2-610-625	OFFICE SUPPLIES - STATIONARY	15,000	15,000
1-2-610-627	COMPUTER MNTC & SOFTWARE SUPPORT	35,000	40,000
1-2-610-629	PHOTOCOPIER, PRINTER INK & SHREDDING	12,000	12,000
1-2-610-631	ADVERTISING & NEWSLETTERS	12,000	17,000
1-2-610-632	POSTAGE	35,000	35,000
1-2-610-633	OFFICE EQUIPMENT MNTC/RENTAL	3,500	3,500

**Black Mountain Irrigation District**  
**Provisional Budget Report**



Account Code : 1-1-500-500  
 To 1-2-640-661  
 Fiscal Year : 2023

Account Code	Account Description	2022 Budget Values	2023 Budget Values
1-2-610-635	OTHER OFFICE EXPENSE	15,000	15,000
1-2-610-637	AUDIT FEES	27,500	28,500
1-2-610-641	TRUSTEES FEES	87,500	90,000
1-2-610-645	JANITORIAL CLEANING & SUPPLIES	6,000	6,000
1-2-610-647	OFFICE BLDG MTNC & SECURITY	10,000	7,500
1-2-610-649	TELEPHONE, INTERNET	7,500	7,500
1-2-610-651	ELECTRICITY & NATURAL GAS	9,000	9,000
1-2-610-653	WATER & SEWER	1,500	1,500
1-2-610-654	HISTORY 100 YRS - BOOK & EVENTS	11,000	25,000
1-2-620-655	BANK SERVICE/INTEREST CHARGES	12,500	12,500
1-2-620-660	RBC UV LOAN INT & BA FEES	185,000	175,000
1-2-630-657	PURCHASES OF ASSETS UNDER \$25,000	25,000	45,000
1-2-630-664	RBC UV LOAN PMTS ON PRINCIPAL	295,000	303,000
1-2-640-657	TCA - VEHICLE/EQUIP PURCHASES	100,000	135,000
1-2-640-659	CONTRIBUTION TO EQUIP. REPL. RESERVE	50,000	115,000
<b>Total EXPENSES</b>		<b>5,647,500</b>	<b>5,957,750</b>
<b>Total GENERAL OPERATING FUND</b>		<b>-1,312,500</b>	<b>-1,566,750</b>



**BLACK MOUNTAIN IRRIGATION DISTRICT  
2023 TRUSTEES LIST (pre-Election)**

	NAME AND ADDRESS	PHONE NUMBER(S)	YEAR ELECTED (*)	TERM (**)	TERM EXPIRY (***)
1	<b>Colin Day</b>	Business:	2021	3 Years	2024
	4510 Crawford Road	Residence: 250-548-3355			
	Kelowna, BC V4V 2C7	Cell: 250-808-8548			
2	<b>Allen Kirschner</b>	Business:	2020	3 Years	2023
	1563 Montenegro Rd	Residence: 250-451-9162			
	Kelowna, BC V1P 1R3	Cell: 250-859-3510			
3	<b>Gerry Zimmermann</b>	Business:	2022	3 Years	2025
	2602 Walburn Road	Residence: 250-765-7269			
	Kelowna, BC V1P 1A8	Cell: 250-575-8827			
4		Business:	2022	3 Years	(until 2023) 2025
	<b>Al Horning</b>	Residence:			
		Cell:			
5	<b>Sukhpaul Bal</b>	Business:	2021	3 Years	2024
	1795 McCurdy Road East	Residence:			
	Kelowna, BC V1P 1B5	Cell: 250-868-7082			

\*By-Election required

- \* Year that election was held (Regular Annual Election or By-Election)
- \*\* Generally 3 years except for Trustees elected to fill vacancies, then it would be for balance of term remaining in the original position.
- \*\*\* At the Regular Annual Election in the third year.

**Chairperson:** Trustee # \_\_\_ is serving as chairperson for 2023

**Administrator:** Robert Hrasko (250) 765-5169 (250) 212-3266  
 Name Bus. Phone (Cell)

**Improvement District Correspondence Address:** 285 Gray Road  
Kelowna, BC V1X 1W8

**Improvement District FAX:** (250) 765-0277  
 (if applicable)

**Improvement District E-mail:** info@bmid.ca



Office: (250) 765-5169  
Fax: (250) 765-0277  
www.bmid.ca

BMID File No.: 235

### NOMINATION FORM

WE HEREBY NOMINATE: ALLEN KIRSCHNER

for the office of **TRUSTEE of Black Mountain Irrigation District.**

MOVED BY: COLINE DAY Coline Day  
Name Signature

SECONDED: Sukhpaul Bal SBal  
Name Signature

IN ACCORDANCE WITH THE LETTERS PATENT OF BLACK MOUNTAIN IRRIGATION DISTRICT:

Every person who is a Canadian Citizen and is eighteen years old or older and is an owner or the agent of a corporation that is the owner of land in respect of which taxes are levied under the last registered tax by-law of the District, and is entitled to be registered as a voter under the *Province of BC Elections Act*.

**I HAVE READ THE ABOVE AND DO HEREBY DECLARE THAT I AM QUALIFIED AS AFORESAID TO BE A CANDIDATE FOR TRUSTEE OF BLACK MOUNTAIN IRRIGATION DISTRICT AND CONSENT TO THE ABOVE NOMINATION.**

Allen C. Kirschner  
Signature

Mar 20, 2023  
Date

Farmer  
Occupation

250-859 3570  
Phone Number

allencgkirschner1948@gmail.com  
Email Address



Office: (250) 765-5169  
Fax: (250) 765-0277  
www.bmid.ca

File No 235

## 2023 ELECTION REPORT

### NOTICE OF ELECTION

(as published on March 20, 2023):

The term of office for Trustee, Allen Kirschner, expires in 2023. Nominations for this position will be open from 8:00 am on **March 20, 2023** until 3:30 pm on **March 31, 2023**.

If an Election is required, voting will take place on **Thursday, April 20, 2023** between the hours of 10:00 am and 6:00 pm at the BMID office. An advance poll is available between 12:00 pm and 4:00 pm on **Thursday, April 13, 2023**.

### ELECTION RESULTS – April 3, 2023

One Nomination was received during the Nomination Period, for Allen Kirschner only. Mr. Kirschner was Re-Elected by Acclamation for an additional three year term.

.....

### NOTICE OF BY-ELECTION

(to be published on April 14, 2023):

Due to the passing of BMID Trustee, Al Horning, there is one (1) Board of Trustee vacancy to be filled. The vacancy is for a two (2) year term as Mr. Horning had served the first year of the 3-year term.

Nominations for this position will be open from 8:00 am on Monday, **April 17, 2023** until 3:30 pm on Friday, **April 28, 2023**. If an Election is required, voting will take place at the BMID Office, at 285 Gray Road, Kelowna, on Tuesday, **May 9, 2023** between the hours of 10:00 am and 6:00 pm. An Advance Poll is available between 12:00 pm and 4:00 pm on Tuesday, **May 2, 2023**.

TO BE POSTED ON FRONT DOOR OF THE BMID OFFICE: **April 14, 2023**

TO BE POSTED ON BMID WEBSITE ([www.bmid.ca](http://www.bmid.ca)): **April 14, 2023**

TO BE ADVERTISED IN THE KELOWNA DAILY COURIER: **Saturday, April 15, 2023**

TO BE ADVERTISED IN THE CAPITAL NEWS: **Thursday, April 13, 2023**

\*\*\*\*\*

Respectfully submitted,  
**BLACK MOUNTAIN IRRIGATION DISTRICT**

Linda O'Neil  
Deputy Returning Officer



## Trustees' and Chairman's Remuneration

### **AGM for Year Ended:**

2017	No Increases
2018	Meetings per diem increased from \$330 to \$400, reflecting the elimination of the Trustee's Municipal Expense Allowance; Chairman's stipend increased from \$800 to \$1,000/month
2019	Meetings per diem increased from \$400 to \$425 Chairman's stipend remains at \$1,000/month
2020	Meetings per diem increased from \$425 to \$435 Chairman's stipend increased from \$1,000 to \$1,025/month
2021	Meetings per diem increased from \$435 to \$455 Chairman's stipend increased from \$1,025 to \$1,075/month

For information:

Latest (February 2023) Consumer Price Index (BC) shows All Items category at 6.2% increase in inflation. Staff recommend that honorariums keep up with inflation.

Options (rounding applied):

6.2% - \$455.00 would increase to \$485.00 per diem

6.2% - Chair: \$1,075.00 would increase to \$1,140.00 monthly

**Respectfully submitted,**

Linda O'Neil  
Administrative Treasurer