

# 2021 Annual Report & Financial Statements For BLACK MOUNTAIN IRRIGATION DISTRICT



For the year ended December 31, 2021

## TRUSTEES

Term Expires 2023	Allen Kirschner
Term Expires 2024	Colin Day (Chair)
Term Expires 2024	Sukhpaul Bal
Term Expires 2022	Al Horning
Term Expires 2022	Gerry Zimmermann

## DISTRICT MANAGEMENT

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



*Hadden Reservoir*

Auditors: MNP LLP  
The 100<sup>th</sup> ANNUAL GENERAL MEETING  
To be held at the BMID Office  
285 Gray Road, Kelowna, BC  
Wednesday, April 13, 2022  
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  
April 13, 2022 7:00 P.M.  
HELD AT THE BMID Office**

**AGENDA ITEMS**

1. Call to Order
  - 100<sup>th</sup> Annual General Meeting of the Black Mountain Irrigation District
  - Introduction of Trustees and Management Staff
2. Notice of Annual General Meeting
3. Minutes of previous Annual General Meeting – June 30, 2021
  - Business Arising from the Minutes
4. MNP Auditor's Report, Presentation of 2021 Audited Financial Statements
  - Business Arising from the Auditor's Report
5. Appointment of Auditor for 2022
6. Trustees' Report 2021
  - Business Arising from the Trustees' Report
7. Operations Report 2021
  - Business Arising from the Operations Report
8. Water Treatment Plant Report 2021
  - Business Arising from the Water Treatment Plant Report
9. Provisional Budget for 2022
10. Election and Trustee Status for 2022
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 13, 2022 at 7:00 pm** at the **BMID Office** located at 285 Gray Road, Kelowna.

The terms of office for Trustees, Al Horning and Gerry Zimmermann, expire in 2022. Nominations for these positions will be open from 8:00 am on **March 21, 2022** until 3:30 pm on **April 1, 2022**. If an Election is required, voting will take place on **Thursday, April 14, 2022** 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 7, 2022**.

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

POSTED ON FRONT DOOR OF THE BMID OFFICE (285 Gray Road):  
**March 21, 2022**

POSTED ON BMID WEBSITE ([www.bmid.ca](http://www.bmid.ca)):  
**March 21, 2022**

ADVERTISED IN THE KELOWNA DAILY COURIER:  
**Saturday, March 19 & April 9, 2022**

ADVERTISED IN THE CAPITAL NEWS:  
**Thursday, March 17 & April 7, 2022**



Black Mountain Irrigation District  
99<sup>th</sup> ANNUAL GENERAL MEETING  
Held at BMID UV Facility, 2350 Joe Rich Road, Kelowna, B.C.  
June 30, 2021 at 7:00 p.m.

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

**Guests:** MNP Auditors: Darcy Haw, Trevor Martens

**Regrets:** Staff: Robert Hrasko, Administrator

**Public/Ratepayers:** Mike Burgess, Larry Simla, Peter Turgoose, Jesse & Bhupinder Padda, Silverado Socrates

**Note:** Due to the extreme heat event, the AGM was moved to the BMID UV Facility where it was air conditioned, and large enough for Social Distancing measures for COVID-19. BMID Staff were at the prior site at 1200 Belgo Road until 7:30 pm, to redirect attendees to the new location.

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

**1.0 Call to Order**

The meeting was called to order by the Chairman, Colin Day, at 7:20 pm. The start time was delayed to accommodate the travel time to the change of location.

**2.0 Notice of Annual General Meeting**

The Notice of Annual General Meeting was read by Linda O'Neil. Notification for the BMID 2021 AGM was advertised in the Kelowna Capital News on Thursday, June 10 & June 24, and in the Kelowna Daily Courier on Saturday, June 12 & 26, 2021. Notices were posted on the BMID website and BMID Office Door on Monday, June 7, 2021.

**3.0 Minutes of previous AGM**

Minutes of the Annual General Meeting held June 10, 2020 were reviewed. The Minutes are included in the bound Annual Report.

There was no business arising from the Minutes.

**A MOTION was made by:** Al Horning **SECONDED by:** Larry Simla

**"To approve the meeting minutes of June 10, 2020 as written, with no errors or omissions noted."**

**CARRIED**

**4.0 Auditor's Report and Presentation of the 2019 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.

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Peter Turgoose questioned why BMID has Letters of Credit with the City of Kelowna? Linda O'Neil explained that it was bonding for environmental restoration for previous transmission line construction. The restoration often takes years for plantings to take hold, prior to the City releasing the Letters of Credit.

**A MOTION was made by:** Sukhpaul Bal **SECONDED by:** Jesse Padda  
**"That the 2020 Auditors Report and Consolidated Financial Statements prepared by MNP be received and approved."** **CARRIED**

**5.0 Appointment of Auditor for 2021**

A quote from MNP for \$23,500.00 plus an administration fee of \$1,175.00, for a total of \$24,675.00, was received for the 2021 Audit. Staff recommended that BMID continue working with MNP and that the quote be approved.

**A MOTION was made by:** Gerry Zimmermann **SECONDED by:** Mike Burgess  
**"To receive and approve the quote of \$24,675.00 and to appoint MNP LLP as Auditors for the year ending December 31, 2021."** **CARRIED**

Auditors Darcy Haw and Trevor Martens from MNP exited the meeting at this point, at 7:35 pm.

**6.0 Trustees' Report 2020**

Administrative Treasurer, Linda O'Neil presented the 2020 Trustees' Report and the floor was opened to questions. The report is included in the bound Annual Report.

Peter Turgoose asked where Bob Hrasko (BMID Administrator) was tonight? Chairman Colin Day advised that he had an important previous engagement.

**A MOTION was made by:** Mike Burgess **SECONDED by:** Al Horning  
**"To receive the 2020 Trustees' Report as presented."** **CARRIED**

**7.0 Operations Report 2020**

Works Superintendent, Bryan Vig presented the 2020 Water Operations Report and the floor was opened to questions. The report is included in the bound Annual Report.

Jesse Padda noted that they were experiencing plugged filters in their agricultural connections – why was this happening? Bryan Vig stated that we are aware of the issue and are rigorously investigating the problem. There is an organic buildup occurring in the settling ponds, which is being caught in the finer screens used by some growers. He noted that Staff are looking at various treatment options, as well as flushing where they are able to do so.

Bryan noted that we have also had an issue this year with microjets getting plugged with a fine particulate, almost a sand, caused by the large volumes of flow (demand due to the heat). The higher flows are stirring up residuals in the large diameter mains, with flows of up to 25,000 gpm. We can't get flows that high to clear the mains when flushing. Bryan also noted that we have set up some 'test screens' on one of our Trustee's properties, to try to find a working solution for these issues. Additionally, we have ordered some fine mesh travelling screens for installation at the Water Treatment Plant, which may help.

Jesse Padda asked for a timeline of when this will be resolved? He stated it is very frustrating, cleaning plugged filters, sometimes hourly. Bryan advised that once flows peak and then subside, things should be better, as the sand issue is correlated to the extreme flows due to the weather. The good news is that these flows will move the sand out of the system. Once we find a solution, we will convey this to our growers as soon as possible.

Larry Simla asked how much did we pay to Rutland Waterworks for use of their water during the Surge Tower Tie In? Bryan replied that RWD charged approximately \$18,000, which offsets their extra power costs. He noted that we have a good working relationship with Rutland Water for these type of events.

**A MOTION was made by: Peter Turgoose SECONDED by: Sukhpaul Bal**  
**"To receive the 2020 Operations Report as presented."**

**CARRIED**

**8.0 Water Treatment Plant Report 2020**

Chief Operator, Water Treatment Plant, Chase Elliott presented the 2020 Water Treatment Plant Report and the floor was opened to questions. The report is included in the bound Annual Report.

Peter Turgoose asked if there was iron manganese in our Wells at Scotty Creek. Bryan Vig noted that all parameters are well below the Canadian Drinking Water Guidelines. Two of the Wells are primarily used for irrigation, only one is used for domestic purposes.

**A MOTION was made by: Sukhpaul Bal SECONDED by: Allen Kirschner**  
**"To receive the 2020 Water Treatment Plant Report as presented."**

**CARRIED**

**9.0 Provisional Budget 2021 Presentation**

Administrative Treasurer, Linda O'Neil presented the 2021 Provisional Budget and the floor was opened to questions. The Provisional Budget and the Budget Values from 2020 are included at the end of the bound Annual Report.

There was no business arising from the report.

**A MOTION was made by: Al Horning SECONDED by: Mike Burgess**  
**"To receive the 2021 Provisional Budget for information."**

**CARRIED**

**10.0 Election and Trustee Status for 2021**

Linda O'Neil (acting Deputy Returning Officer) noted that the Election advertisements (separate from the AGM Ads) were published for the Election scheduled for May 13, 2021, with the period for accepting Nominations open from April 12, 2021 until April 26, 2021 at 4:00 pm. Starting April 9, 2021, 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 noted that for 2021, Colin Day and Sukhpaul Bal 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 Colin Day and Sukhpaul Bal were re-elected by Acclamation, each for another three-year term.

**A MOTION was made by: Gerry Zimmermann SECONDED by: Larry Simla**  
**"To receive the 2021 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 2.7%. The ratepayers determined that the Cost of Living was an appropriate way to calculate the Trustee's increases each year.

**A MOTION was made by: Larry Simla SECONDED by: Peter Turgoose**

**"That the Trustee's Remuneration be increased from \$425.00 per diem (per meeting) to \$435.00 per diem and that the Chairman's Remuneration be increased from \$1,000.00 monthly to \$1,025.00 monthly, in addition to the meeting per diem of \$435.00."** **CARRIED**

#### **12.0 New Business / General Discussion**

Peter Turgoose asked about the Kelowna Integrated Water Supply Plan that was signed some years ago. Will BMID be moving forward with full separation of Domestic and Agricultural water? Chairman Colin Day noted that the KIWS Plan is no longer followed by all of the utilities as we have no plans to amalgamate – there is no advantage to ratepayers to do so. We did agree to improve service and we are open to inter-connections being completed. We have had discussions with the City Manager regarding these connections, to the benefit of all parties.

Mr. Day noted that there is no legal path for the City to take over the Improvement Districts. SEKID asked for funding for water quality improvements, and it was contingent on being taken over. BMID operations are in better shape than SEKID, so we don't need to do that.


Larry Simla asked if we were considering increasing storage in the upper Reservoirs? Mr. Day advised that we are dealing with BC Parks on this issue. He noted that BMID has more options at the Belgo Reservoir than at Graystokes, as we own the land at Belgo, and won't need to negotiate with BC Parks.

Trustee Gerry Zimmermann added that the City passed a Bylaw that in order for them to share funding, the IDs must amalgamate with the City. SEKID received \$42M in funding, however the City spent \$100M on the project. He feels that the City Manager has been listening to BMID, and maybe can see our side of things. We have a better relationship with the City now. We're also working with the Deputy Minister at the federal level to push for funding for Agricultural expansion. The Province has been approached for funding to increase Reservoirs. There are more prospects in cooperative funding. Colin Day added that BMID can self-fund the tunnel expansion, which is good.

#### **13.0 Meeting Adjournment**

A Motion to Adjourn was moved by Sukhpaul Bal at 8:25 pm.

Reviewed by:

  
Colin Day, Chairman of the Trustees

Recorded by:

  
Linda O'Neil, Administrative Treasurer

**Black Mountain Irrigation District**  
**Financial Statements**  
*December 31, 2021*



# Black Mountain Irrigation District

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*For the year ended December 31, 2021*

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## **Management's Responsibility**

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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, 2022

  
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Administrative Treasurer

## **Independent Auditor's Report**

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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, 2021, and the statements of operations and accumulated surplus, changes in net financial assets and cash flows 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, 2021, 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

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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, 2022

*MNP* LLP

Chartered Professional Accountants

**Black Mountain Irrigation District**  
**Statement of Financial Position**  
*As at December 31, 2021*

	2021	2020
<b>Financial assets</b>		
Cash and cash equivalents	5,900,768	5,210,134
Portfolio investments (Note 2)	11,147,699	10,777,022
Tolls and levies receivable	300,892	294,116
Other receivables (Note 3)	349,831	268,506
	<b>17,699,190</b>	<b>16,549,778</b>
<b>Financial liabilities</b>		
Payables and accruals	354,217	618,497
Deferred revenue (Note 4)	261,022	274,119
Long-term debt (Note 5)	5,773,000	6,181,000
	<b>6,388,239</b>	<b>7,073,616</b>
<b>Net Financial Assets</b>	<b>11,310,951</b>	<b>9,476,162</b>
<b>Non-financial assets</b>		
Tangible capital assets (Note 7)	69,932,887	62,929,491
Prepaid expenses	76,042	45,148
Inventory (Note 6)	565,045	570,000
	<b>70,573,974</b>	<b>63,544,639</b>
<b>Accumulated surplus (Note 8)</b>	<b>81,884,925</b>	<b>73,020,801</b>

Commitments and contingencies (Note 9)

  
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, 2021*

	Budget (Note 10)	2021	2020
<b>Revenue</b>			
Contributions from developers and others	-	7,135,062	612,415
Domestic water tolls	5,473,500	5,559,158	5,321,844
Capital expenditure charge	-	819,801	2,361,038
Irrigation taxes	748,530	742,903	679,599
Investment income	-	323,574	129,239
Connection fees	75,000	82,850	66,950
Interest	57,500	78,597	275,927
Sundry	71,000	70,815	62,708
Sale of water	15,000	16,109	9,228
New account fees	20,000	16,080	7,926
Gain on disposal of tangible capital assets		15,300	-
Equipment rental	7,500	9,806	5,603
	6,468,030	14,870,055	9,532,477
<b>Expenses</b>			
Amortization (Note 6)	-	1,324,108	1,140,063
Computer and technology	55,000	46,557	56,967
Consulting services	50,000	38,012	35,812
Insurance	210,000	215,291	173,168
Interest and service charges	12,500	10,839	10,538
Interest on long-term debt	192,000	189,596	198,054
Inventory write-downs	2,500	958	12,458
Licenses and fees	35,000	22,399	25,291
Office supplies and expenses	115,000	94,315	131,464
Professional fees	40,000	26,260	23,884
Repairs and maintenance	816,000	741,722	775,696
Salaries and benefits	1,018,000	1,013,877	919,710
Shop supplies and expenses	52,500	54,760	49,833
Training	30,500	39,874	22,829
Trustee's remuneration and expenses	85,000	85,180	73,750
Utilities	42,500	38,772	37,012
Vehicle and equipment	197,500	241,025	180,623
Water distribution expense	561,000	569,488	485,553
Water quality testing	80,000	62,395	87,764
Water treatment	954,500	1,073,812	944,016
Watershed management	140,000	116,691	144,575
	4,689,500	6,005,931	5,529,060
Annual surplus	1,778,530	8,864,124	4,003,417
Accumulated surplus, beginning of year	73,020,801	73,020,801	69,017,384
<b>Accumulated surplus (Note 8)</b>	74,799,331	81,884,925	73,020,801

*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, 2021*

	Budget (Note 10)	2021	2020
Annual surplus	1,778,530	8,864,124	4,003,417
Acquisition of tangible capital assets	(30,000)	(8,327,504)	(5,921,164)
Amortization of tangible capital assets	-	1,324,108	1,140,063
	(30,000)	(7,003,396)	(4,781,101)
Change in prepaid expenses	-	(30,894)	(880)
Change in inventory	-	4,955	834,501
		(25,939)	833,621
Increase in net financial assets	1,748,530	1,834,789	55,937
Net financial assets, beginning of year	9,476,162	9,476,162	9,420,225
<b>Net financial assets, end of year</b>	<b>11,224,692</b>	<b>11,310,951</b>	<b>9,476,162</b>

*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, 2021*

	2021	2020
<b>Cash provided by (used for) the following activities</b>		
<b>Operating Activities</b>		
Annual surplus	8,864,124	4,003,417
Items not involving cash included in annual surplus:		
Amortization of tangible capital assets	1,324,108	1,140,063
Gain on disposal of tangible capital assets	(15,300)	-
Gain on disposal of investments	(323,574)	(129,239)
Developer and other contributions of tangible capital assets	(7,135,062)	(612,415)
Amortization of bond discounts	91,046	(113,145)
Change in financial assets and liabilities:		
Accounts receivable	(88,101)	(150,569)
Accounts payable and accrued liabilities	(264,279)	300,428
Deferred revenues	(13,097)	68,379
Change in non-financial assets:		
Prepays	(30,894)	(880)
Inventory	4,955	834,501
	<b>2,413,926</b>	<b>5,340,540</b>
<b>Capital Activities</b>		
Acquisition of tangible capital assets	(1,192,442)	(5,308,749)
Proceeds on disposition of tangible capital assets	15,300	-
	<b>(1,177,142)</b>	<b>(5,308,749)</b>
<b>Investing Activities</b>		
Purchase of investments	(1,779,396)	(1,416,696)
Proceeds on disposal of investments	1,641,246	1,321,742
	<b>(138,150)</b>	<b>(94,954)</b>
<b>Financing Activities</b>		
Principal repayments of long-term debt	(408,000)	(487,000)
Increase (decrease) in cash and cash equivalents	690,634	(550,163)
Cash and cash equivalents, beginning of year	5,210,134	5,760,297
Cash and cash equivalents, end of year	<b>5,900,768</b>	<b>5,210,134</b>

*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, 2021*

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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.

#### *Impact on operations of COVID-19 (coronavirus)*

In early March 2020 the impact of the global outbreak of COVID-19 (coronavirus) began to have a significant impact on businesses through the restrictions put in place by the Canadian, provincial and municipal governments regarding travel, business operations and isolation/quarantine orders.

The District's operations were minimally impacted by COVID-19

At this time, it is unknown the extent of the impact the COVID-19 outbreak may have on the District as this will depend on future developments that are highly uncertain and that cannot be predicted with confidence. These uncertainties arise from the inability to predict the ultimate geographic spread of the disease, and the duration of the outbreak, including the duration of travel restrictions, business closures or disruptions, and quarantine/isolation measures that are currently, or may be put, in place by Canada and other countries to fight the virus. While the extent of the impact is unknown, we anticipate this outbreak may cause supply chain disruptions, staff shortages, and increased government regulations, all of which may negatively impact the District's business and financial condition.

#### **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.

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2021*

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

(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.

(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 note 8.

(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 are assigned using the first-in first-out 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, 2021.

(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, 2021*

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**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 basis 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. Assets under construction are not amortized until the 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 provisions for accrued liabilities, 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 City'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, 2021*

**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 February 2022 through August 2030 and earning interest at effective rates between 1.35% and 4.09%. The market value of such investments as at December 31, 2021 is \$11,213,630 (2020 - \$11,302,583).

**3. Other receivables**

	2021	2020
Trade receivables	257,184	51,659
Goods and Services Tax receivable	92,647	179,359
Grants receivable	-	37,488
	<b>349,831</b>	<b>268,506</b>

**4. Deferred revenue**

	2021	2020
Meters inventory	171,270	175,190
Quarterly tolls	61,552	66,729
Connection installations	3,200	17,200
Hydrant servicing	25,000	15,000
	<b>261,022</b>	<b>274,119</b>

**5. Long-term debt**

	2021	2020
Royal Bank of Canada (RBC) banker's acceptance facility, interest only at the rates noted below, with average monthly principal repayments of \$26,100 subject to refinancing, maturing May, 2037	5,773,000	6,056,000
Royal Bank of Canada (RBC) banker's acceptance facility, repaid during the year.	-	125,000
	<b>5,773,000</b>	<b>6,181,000</b>

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, 2021*

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**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:

2022	293,000
2023	303,000
2024	313,000
2025	323,000
2026	334,000

The District has issued letters of credit to the City of Kelowna through RBC totaling \$93,558 (2020 - \$93,558) to ensure the provision of services. These letters come due in July and December 2022.

**6. Inventory**

	2021	2020
Small fittings, couplings and stock under 3"	48,120	43,490
Large fittings, couplings and stock over 4"	80,485	86,442
Pipe	418,728	391,396
Temporary stock	17,712	48,672
<b>Subtotal</b>	<b>565,045</b>	<b>570,000</b>

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2021*

**7. Tangible capital assets**

	Land	Buildings	Water supply system	Water distribution system	Office equipment	Automotive	Other equipment	Work-in-progress	Total 2021	Total 2020
<b>Cost</b>										
Balance, beginning of year	2,507,037	1,680,112	21,050,836	48,840,183	300,350	2,070,528	529,970	5,202,902	82,181,918	76,260,754
Additions	-	-	-	7,135,060	-	133,176	-	1,059,268	8,327,504	5,921,164
Completed work-in-progress	-	16,199	63,600	4,339,055	-	-	-	(4,418,854)	-	-
Disposals	-	-	-	-	(14,665)	(76,047)	-	-	(90,712)	-
Balance, end 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
<b>Accumulated amortization</b>										
Balance, beginning of year	-	911,478	3,764,849	12,325,905	255,921	1,562,075	432,199	-	19,252,427	18,112,364
Amortization	-	36,034	240,071	883,167	8,492	131,747	24,597	-	1,324,108	1,140,063
Disposals	-	-	-	-	(14,665)	(76,047)	-	-	(90,712)	-
Balance, end of year	-	947,512	4,004,920	13,209,072	249,748	1,617,775	456,796	-	20,485,823	19,252,427
<b>Net book value, end of year</b>	<b>2,507,037</b>	<b>748,799</b>	<b>17,109,516</b>	<b>47,105,226</b>	<b>35,937</b>	<b>509,882</b>	<b>73,174</b>	<b>1,843,316</b>	<b>69,932,887</b>	<b>62,929,491</b>

Included in tangible capital assets are fully depreciated assets with cost and accumulated amortization of \$2,263,928 (2020 - \$2,240,267).

Included in tangible capital assets are contributed tangible capital assets having a value of \$35,185,541 (2020 - 28,050,479) 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**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2021*

**8. Accumulated surplus**

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

	General operations	Equipment replacement reserve	Capital works renewal reserve	Investment in tangible capital assets	CEC reserve	Total 2021	Total 2020
<b>Accumulated surplus, beg. of year</b>	<b>2,037,275</b>	<b>164,980</b>	<b>4,031,040</b>	<b>56,748,491</b>	<b>10,039,015</b>	<b>73,020,801</b>	<b>69,017,384</b>
Annual surplus	7,523,397	1,115	158	1,324,108	15,346	8,864,124	4,003,417
Transfers							
Purchases and disposals of Tangible capital assets	(5,679,288)	-	-	5,679,288	-	-	-
Interfund, Bylaw	(849,801)	30,000	-	-	819,801	-	-
Other transfers	-	-	-	-	-	-	-
Repayment of debt, net	(408,000)	-	-	408,000	-	-	-
Interest	(323,574)	-	119,477	-	204,097	-	-
<b>Accumulated surplus, end 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>

**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2021*

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**9. 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, 2020, the plan has about 220,000 active members and approximately 112,000 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, 2018, indicated a \$2,866 million funding surplus for basic pension benefits on a going concern basis.

The District paid \$125,681 (2020 - \$117,357) for employer contributions to the plan in fiscal 2021.

The next valuation will be as at December 31, 2021, with results available in 2022.

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.



**Black Mountain Irrigation District**  
**Notes to the Financial Statements**  
*For the year ended December 31, 2021*

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**10. Budget data**

The budget data presented in these financial statements is based upon the 2021 operating and capital budgets adopted by Board on May 5, 2021. The following table reconciles the approved budget to the budget figures reported in these financial statements.

	Budget amount
Surplus – Statement of Operations	1,778,530
Adjust for budgeted cash items not included in statement of operations	
Principal repayments of long-term debt	(408,000)
Transfers to equipment replacement reserve	(30,000)
Acquisition of tangible capital assets	(120,000)
Financial plan surplus	1,220,530

**11. Reclassification of prior year presentation**

Certain prior year amounts have been reclassified for consistency with the current period presentation.

March 10, 2022

Our Ref: 623708

Black Mountain Irrigation District  
285 Gray Road  
Kelowna, BC V1X 1W8

Attention: Bob Hrasko and Linda O'Neil

Dear Bob and Linda:

**Re: Fee Quote for the year ended December 31, 2022**

We are pleased to provide the following fee quote, in accordance with your request:

Audit of the financial statements of Black Mountain Irrigation District for the year ended December 31, 2021	\$25,750
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The above fee 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.

March 10, 2022  
Black Mountain Irrigation District

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.

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

- Progress billing #1 – At the commencement of the year-end fieldwork, 50% of the fee quote plus administrative fee 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, Jennifer Saville, CPA or Trevor Martens, CPA.

We are very pleased to continue our relationship with you.

Yours truly,

**MNP LLP**



Darcy Haw, CPA, CA  
[darcy.haw@mnp.ca](mailto:darcy.haw@mnp.ca)



## **2021 TRUSTEE'S REPORT TO THE WATER USERS**

**MEETINGS:** The Board of Trustees held a total of 24 regular meetings in 2021 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 2021, Colin Day and Sukhpaul Bal were each re-elected by acclamation for a three-year term.

Colin Day was re-elected as Chairman 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 3 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 2021.

We welcomed two new crew members in 2021, Jon Bauer and Logan Archer, in the General Maintenance positions. Keifer Baranec left the District in 2021. We congratulate our various Operators who completed training courses which resulted in their advancement of their EOCP designations.

We also welcomed Donna Buterman and Heather Bauer as Office Clerks. Michelle Towle left the District in 2021.

**SAFETY:** With the COVID-19 Pandemic still active during 2021, our general safety procedures were in place and BMID complied with WorkSafe BC and the Provincial Health Officer Orders for this ongoing event.

In 2020, an Essential Services Agreement was put into effect between the 4 Kelowna water utilities, to provide aid and assistance to each other in the event of staff or supply shortages. The Agreement remained in place for 2021.

There were no major injuries or incidents related to work safety in 2021.

**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 91.0% of all water used by BMID in 2021.

In June 2021 we experienced a heat dome in BC, which resulted in challenges with drought management. Our team managed this crisis by implementing Stage 1 water restrictions and meeting the extra demands at the Water Treatment Plant. Environmental flows for Mission Creek were carefully monitored and managed with staff coordinating with Provincial Staff.

BMID continues to work on a plan for a long-term solution for our Gallagher's Canyon conduit replacement, 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. Staff have been dealing with Statutory Right of Ways, Boundary Inclusions and Interior Health consultations. Staff also began work on the detailed design with quotes for those services requested and received. The unstable slope at the conduit continues to be monitored by a geotechnical consultant and a surveyor, with no movement noted in 2021.



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**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.

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

The Trustees continue to keep an open line of communication with City Management.

**ASSOCIATIONS:** The Water Supply Association of BC held a Spring Workshop by Zoom conferencing in April 2021, with 95 participants attending remotely. The Fall AGM was able to be held in person, in Salmon Arm, and was also well attended. Bob Hrasko, BMID's Administrator, serves as Chair of the WSABC.

Bob is also 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 2021 Tolls increase was held to 2% to accommodate the financial difficulties that our ratepayers were experiencing with COVID. Inflation was very low, close to 0%, when the Toll Bylaw was approved.

Agricultural Taxes were increased by 5.0%, to \$126.00 /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 \$4.4M in BMID funded projects were officially recognized as complete in 2021, along with Developer contributions of \$7.1M from various projects. The Swainson (Frind) Transmission main was included in these totals, and our Tangible Capital Assets were appropriately revised.

Latecomer's Fees were implemented in a 2021 Latecomer Bylaw to authorize repayment to the developer for the extra capacity provided to BMID from the Swainson transmission main.

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 2021 is reflected in the chart below, with comparisons to recent years.

<i>Grade &amp; Acres of Land / Connections / Development</i>	<i>Year End 2019</i>	<i>Year End 2020</i>	<i>Year End 2021</i>
Grade A Lands (lands actively irrigated, in acres)	4,744	4,687*	4,947
Grade C Lands (irrigable lands, not watered, in acres)	1,076	1,106*	1,055
Grade D Lands (dry lands, in acres)	3,217	2,658	2,454
Single Family Lots	5,291	5,301	5,327
Total Connections	9,523	9,664	9,866
Total Capital Expenditure Charges Collected	\$ 536,564	\$ 2,336,626	\$ 810,095
Developer Contributions (value of works installed)	\$ 312,060	\$ 612,415	\$ 7,135,062

**\*In 2019, certain categories had previously included some *INACTIVE* properties. Totals were revised in 2020.**

BMID Staff have also met with other interested parties with regard to boundary extensions and water servicing for agricultural use.

**PROJECTS:** The Operations Report provides details of all of the projects underway. Some highlights of projects undertaken in 2021 by BMID staff included:

- ☐ Staff monitored the construction of the Swainson transmission mains. This project was completed in 2021 and provides a high capacity redundant supply main to the majority of the District;
- ☐ Two new sludge drying beds were constructed at the Water Treatment Plant, to allow for long term sludge disposal. The new lagoons expand our capacity to effectively dry the sludge by-product produced by the Water Treatment Plant;
- ☐ Work continued on a large multi-phase project in the Mission Creek watershed, improving access to the Fishhawk Reservoir, in accordance with Provincial Dam Safety Regulations;
- ☐ The Trustees were pleased that BMID was able to provide assistance to the City of Merritt during its recent catastrophic flooding. Five Certified Water Distribution System Operators travelled to Merritt to help restore water service to the area after the November 2021 flooding.



**EVENTS:** A Watershed Tour was held on September 8, 2021. The group of 20 included BMID Trustees, BMID Staff, the Interior Health Medical Health Officer (Dr. Silvina Mema) and Drinking Water Manager Ivor Norlin, City of Kelowna Water Utility Managers, and BC Parks Staff. The group travelled up to the Graystokes and Fish Hawk Dams by all-terrain vehicles with lunch provided at Graystoke cabin. It was a successful tour, with good communication between all participants, and an overall a very informative day.

Our 100 Year Celebration (from 2020) remains postponed due to COVID-19. Once the Province allows gatherings and we are safely able to hold this event, we will proceed.

**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



## **2021 OPERATIONS AND MAINTENANCE REPORT**

**MAINTENANCE:** BMID Operations Staff continued with our annual maintenance schedule in 2021. 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 as needed throughout the District. The leaks are generally 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 14" A/C watermain located on an easement off Webster Rd. This main break was caused by tree roots that had grown around the watermain. Much of the water system is now over 50 years old.

### **DROUGHT/HEAT DOME:**

In June of 2021 British Columbia's Interior experience an unprecedented heatwave that kicked off a summer full of challenges related to drought conditions. Some of the challenges included:

- A significant wildfire, the Derickson Lake wildfire, that impeded access to BMID's upper elevation reservoirs;
- An increased water demand that was earlier and much higher than normal;
- Low stream levels throughout the region which caused fear of supply shortages and inadequate environmental flows.

Overall BMID staff were able to successfully navigate these challenges with limited impact to our customers. However, we were required to call for Stage-1 water restrictions for all BMID users which limited outdoor watering. Usage was restricted to 90% of normal usage. To conserve additional water, BMID chose to defer a portion of the annual watermain flushing until 2022.

### **SLOPE ISSUE: Background (2018-2020)**

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.





### **Current (2021)**

In 2021 there has been a negligible amount of movement recorded from both the surface monitoring and the underground movement sensors. Operations staff in conjunction with hired contractors reburied the exposed transmission main and completed restoration works in the area affected by the slope movement. Planning activities related to constructing the proposed tunnel extension continue. These activities included consultation with Interior Health on the proposed infrastructure modifications, engagement of adjacent property owners for procurement of right of ways, and the modification of a small water system that runs through the project area. BMID intends to complete detailed design by mid-2022 and start construction activities in late 2022.

### **EAST BENCH TRANSMISSION MAIN:**

Through 2020 and into 2021 BMID worked in partnership with Frind Winery to complete a large diameter (1050mm) transmission main that spans approximately 3.8 kilometers. The new main was designed and constructed to strengthen and increase capacity to BMID's existing supply network. It also provides irrigation water to approximately 300 acres of newly developed farmland that is owned by Frind Winery south to the Tower Ranch Golf Course.

The project was carried out in two phases and the final tie-in and commissioning was completed in January of 2021. The benefits to BMID customers were utilized throughout the year with improved water service pressure during high flow periods and increased redundancy while carrying out maintenance activities.

### **MERRIT FLOOD RESPONSE:**

In mid-November, 2021, the City of Merritt along with many other British Columbia communities experienced a catastrophic flooding event caused by an atmospheric river. This flood caused extensive damage to both private and public property which forced the City of Merritt to evacuate its residents and shut down the entire public water system. BMID responded to a call for assistance and sent five certified operators to help restore water service to the residents of Merritt.

### **OTHER WORK:**

- BMID continued to work with CTQ Consultants to add to the GIS system throughout 2021. 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 response to these requirements, BMID worked with R. Smith Contracting to complete further road resurfacing between Mission Creek and Fish Hawk reservoir. The start of this work was delayed because of restrictions that were



put in place within the Kamloops Fire Center due to elevated fire risk. This project will continue in August of 2022.

- BMID staff completed the addition of a bathroom and kitchen area within the existing shop building on Belgo Rd. These areas were needed to accommodate the additional operations staff that have been hired over the last several years.
- Automated chlorine gas safety valves were installed at the primary chlorinator at Hadden Reservoir at the headworks of the water distribution system. These safety valves are a requirement of Work Safe BC and will provide protection for our Operators as they will isolate the gas cylinders in the unlikely event that a chlorine leak occurs.
- BMID staff completed the renewal of approximately 7 connections to our primary transmission main between the Surge Tower and Black Mountain Elementary School. 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 High Pressure Concrete transmission mains. This should reduce the risk of a widespread service disruption in the event of a failure.
- Substantial repair work was completed at the Esquire Reservoir which supplies the Scotty Creek Subdivision. The work included repairs to the drain line, installation of a double block and bleed isolation system, and concrete resurfacing inside the tank.
- BMID staff replaced the mesh screening material on the travelling screens at the Screenworks at Hadden Reservoir. This was completed to reduce the amount of fine particulate matter that is able to enter the water distribution system from Hadden Reservoir. It was noted that multiple agricultural users were having issues with fine particles clogging their in-line filters. Staff will continue to monitor this situation with the fine screens in place for 2022.
- PRV #3 on McKenzie Rd was modified with a stairwell to eliminate the need for confined space entry. Preparations have also been made to bring PRV 5b above ground in 2022. These preparations include the completion of a detailed design, equipment fabrication, and obtaining city approvals. BMID plans to modify 1 or 2 stations per year to reduce and eventually eliminate confined spaces in all our 30 PRV facilities. A new above ground PRV station was also accepted by the District as part of the Lone Pine Drive subdivision.

#### **EQUIPMENT:**

The majority of BMID's equipment is subjected to normal wear and regular maintenance is performed throughout the year. A new pickup truck and a used flat deck truck were purchased in 2021. Two older (2007) 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. 2021 did not come without its challenges including the ongoing pandemic and a summer drought. The staff were able to work through these challenges to successfully maintain 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 relied heavily on all our storage reservoirs to supply our customers and supplement Mission Creek's environmental flow requirements. Releases started in late June and continued until late October. This left all the reservoirs below the 20% target, which is the minimum that BMID likes to leave in reserve 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. It should be noted that James Lake was completely drained in order to measure the low-level outlet gate that is to be replaced in 2022.

The reservoir levels at 2021 year-end are summarized below. At year end 15% 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	6,815	1,344	20%
Graystoke Reservoir	5,095	673	13%
Fishhawk Reservoir	2,106	515	24%
Loch Long Reservoir	625	0	0%
James Lake Reservoir	1,775	0	0%
<b>TOTAL</b>	<b>16,420</b>	<b>2,533</b>	<b>15%</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**



## **2021 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 2021 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).

Mission Creek experienced an early melt in late winter/early spring requiring chemical treatment to lower turbidity and color levels beginning on February 26. The WTP remained in use until December 19 due to high turbidity and color in Mission Creek. Turbidity and color remained high throughout early winter as unseasonably warm weather and atmospheric rivers required the plant to run later than normal. During these atmospheric river events, Mission Creek flows and water quality were more typical of a spring freshet with turbidity spikes of 26.4 Nephelometric Turbidity Units (NTU) in mid-November, at a time when the plant is typically in bypass mode with creek turbidity under 2.00 NTU.

Turbidity spikes during freshet in Mission Creek were common, as experienced in the past. However, the 2021 season did not encounter the same significant flooding and high turbidity events that occurred in Mission Creek during the 2017 and 2018 seasons. Turbidity spikes were similar to the 2020 treatment season. The high temperatures in early summer had the effect of shortening the spring freshet which had eased by late-June. For the entire time in which the WTP was in operation, the Plant was able to maintain turbidity levels below 1.0 NTU at the point of disinfection (Hadden Reservoir outlet). However, there was a single day (April 17) where turbidity at Booster 1 was above 1.0 NTU. This was a result of increased flows when irrigation systems were turned on causing some stirring of watermain sediment in the water distribution mains.

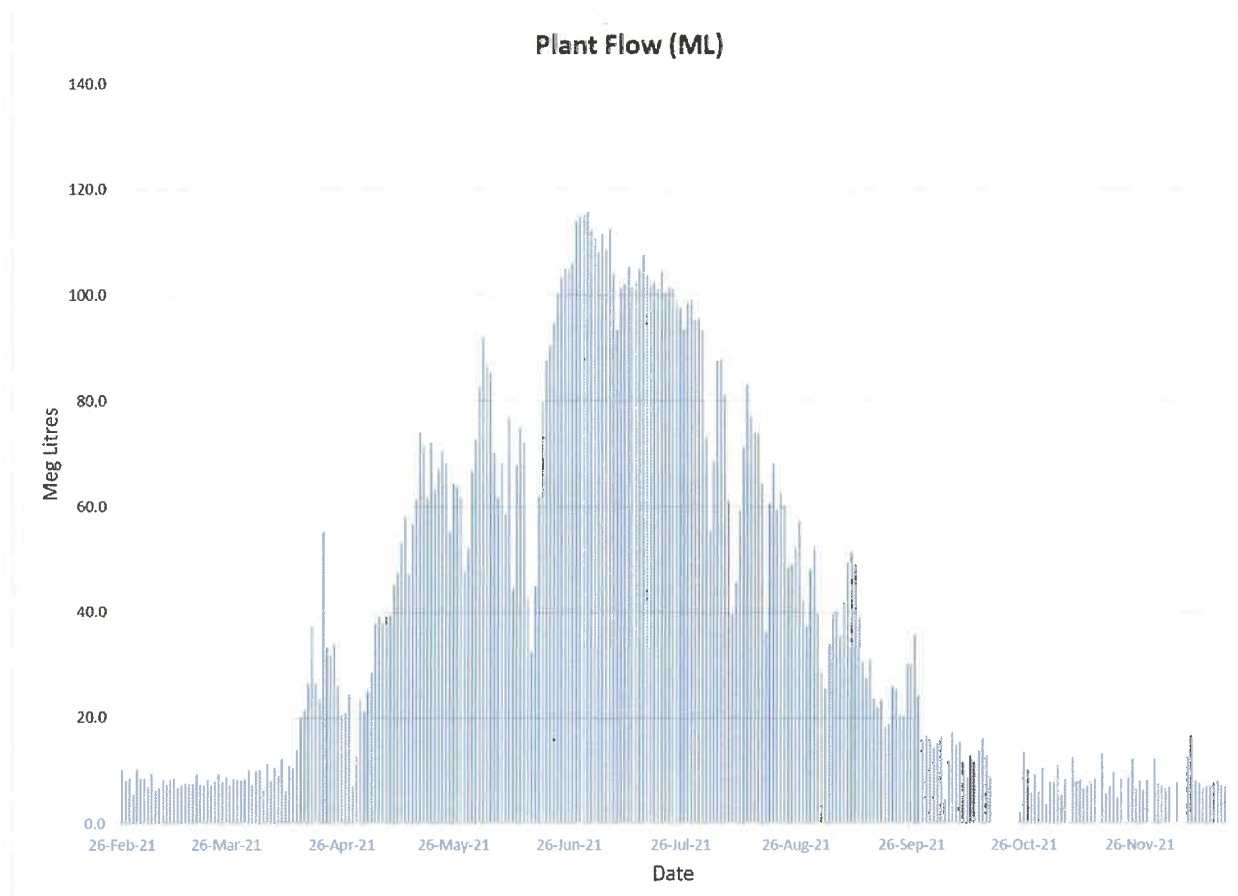






## PLANT FLOW

For the Mission Creek source, peak daily water production of 115.7 ML (30,564,706 US gallons) occurred on July 1, 2021. This number is one of the largest daily-flows recorded at the WTP on record. The peak instantaneous demand was recorded at 1,319 L/s. For the 2021 season, 11,546.6 ML of water was treated compared to an average of 9,160 ML over the past five years. In 2021, the Water Treatment Plant was operational for 281 days, up significantly from the 202 days during the 2020 season. The Water Treatment Plant started operating on February 26, 2021 and ended operations on December 19, 2021 when the raw water quality had improved enough to no longer require chemical treatment.



Daily Plant Flow ML for 2021, combined total for both Trains



## TURBIDITY

As set by the Canadian Drinking Water Guidelines, 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 1.17 NTU on April 17, when irrigation systems were activated for the year, causing a one-day increase in turbidity. However, this event was not associated with the treatment process. Peak turbidity at the first-customer as a result of the treatment process was on April 27 when turbidity was recorded at 0.80 NTU. During spring freshet, raw water turbidity at the Grit Pond peaked at 43.1 NTU on June 3, 2021.

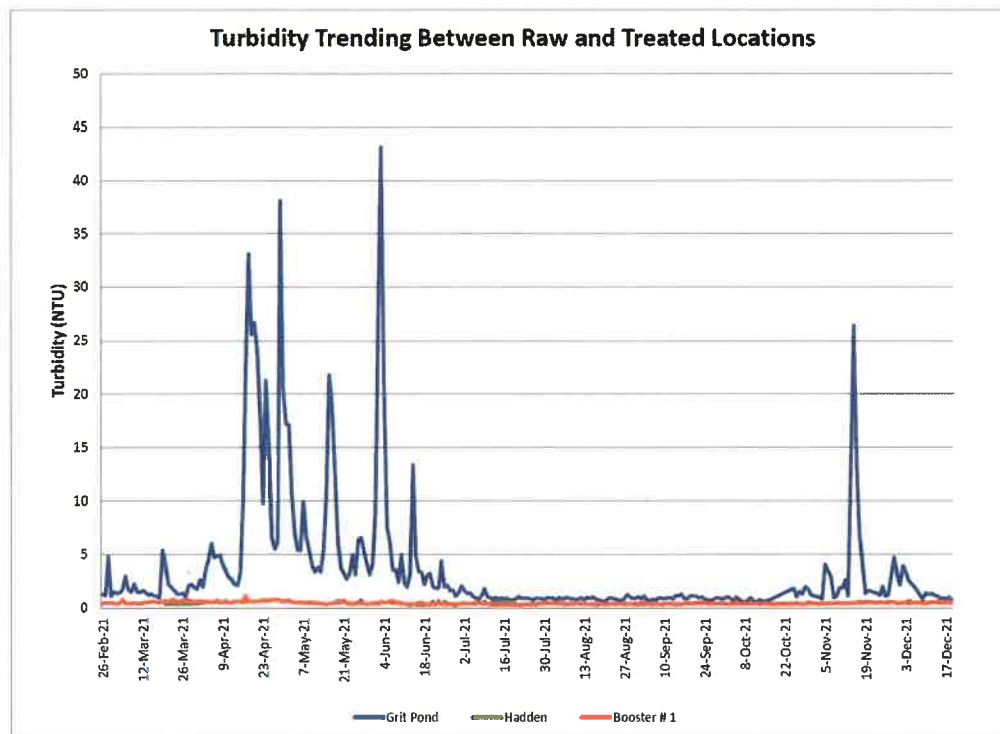
In addition, the recorded highest turbidity at the Distribution Intake, Hadden Pond, was 0.76 NTU on April 23, 2021, with the data obtained through a single point grab sample.

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

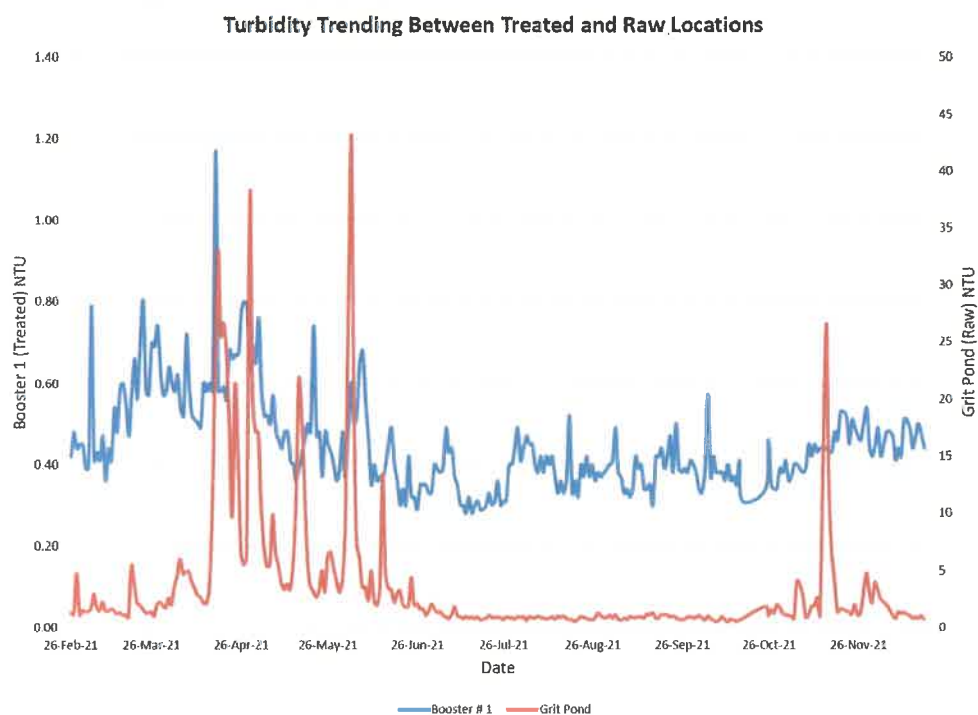
Location	Lab (NTU)	On-line (NTU)
Raw Grit Pond	3.60	-
Stevens Intake	0.40	-
Stevens Outlet	0.43	-
Hadden Outlet	0.43	-
Screen Works	0.43	0.47
Booster Stn No. 1	0.45	0.40



Turbidity in Mission Creek – Raw Water at Intake Site (2021)



Turbidity trending taken at Grit Pond (raw Avg Turbidity 3.60 NTU) and Booster 1 (treated, first customer, Avg Turbidity 0.45 NTU)



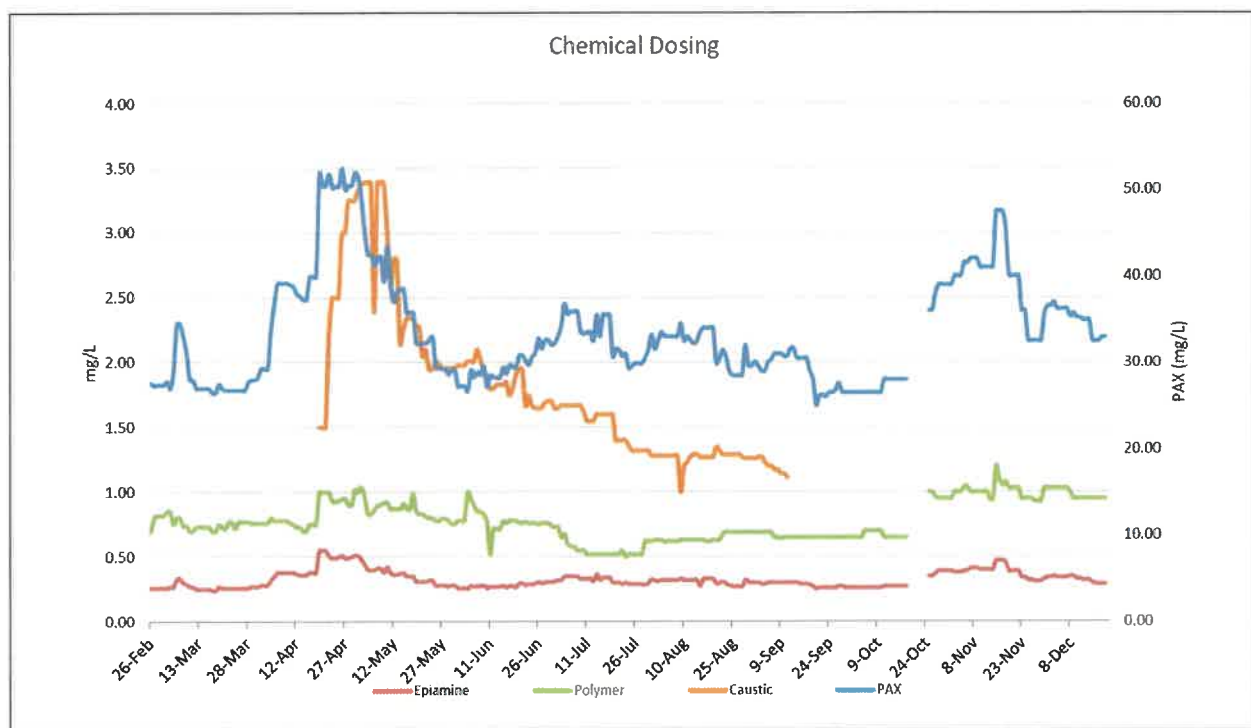


## CHEMICAL DOSING

Below is the dosage trending for the three chemicals used in the WTP's coagulation and flocculation processes. The Streaming Current Monitor devices allow 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.

The primary coagulant (Pax) ranged between 25.5 mg/L and a high of 52.5 mg/L. In addition to the Pax, the coagulant aid (Epiamine) dose ranged between 0.24 mg/L and 0.55 mg/L. Polymer addition, used as a flocculation agent, ranged between 0.50 mg/L and 1.20 mg/L. There was a likely reduction in polymer dose as two additional pumps were installed to run in tandem for each train. This upgrade increased the pumping efficiency for polymer dosing.

Caustic Soda is also utilized in the process to raise the pH in the water after the coagulation / flocculation process. Caustic Soda was utilized for a longer portion of the treatment season in 2021 in an effort to reduce the potential for corrosive water in the distribution system. This change in usage began in 2020 and is likely to continue. The recognition of the lead content in old plumbing fixtures has resulted in a greater focus in corrosion prevention by the water industry.



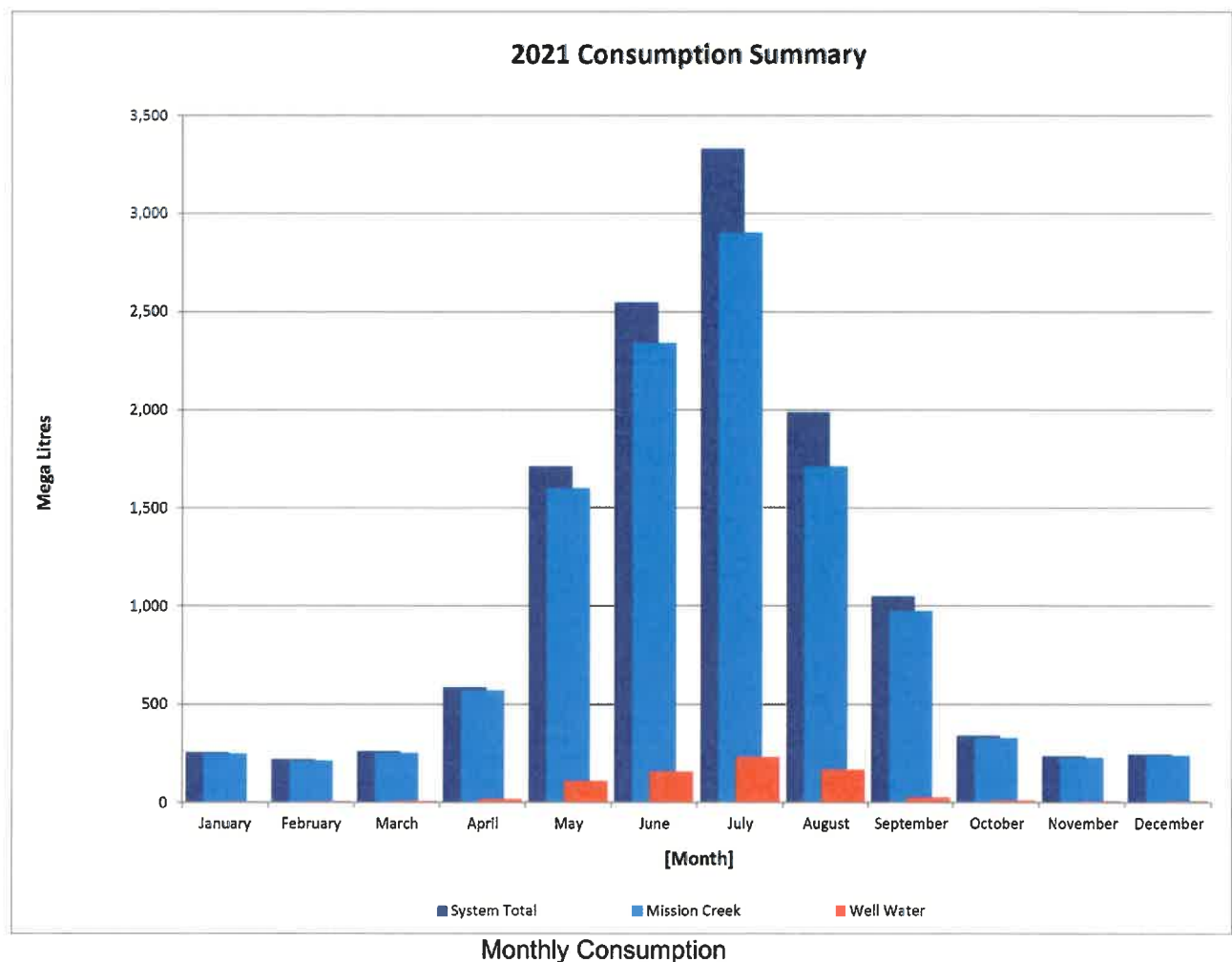
Dosing taken as a combined daily average at two Clarifiers





## CONSUMPTION

During 2021 BMID utilized a variety of water sources, both surface-water and groundwater, to provide domestic, irrigation and commercial water to its customers. BMID has one surface-water source and two groundwater sources that provide potable water to the distribution system. In addition, one surface-water and one groundwater source provide non-potable water for irrigation only. The Mission Creek water source provides the majority of water for the distribution system with the remaining sources used to supplement flow in the north end of the distribution system.



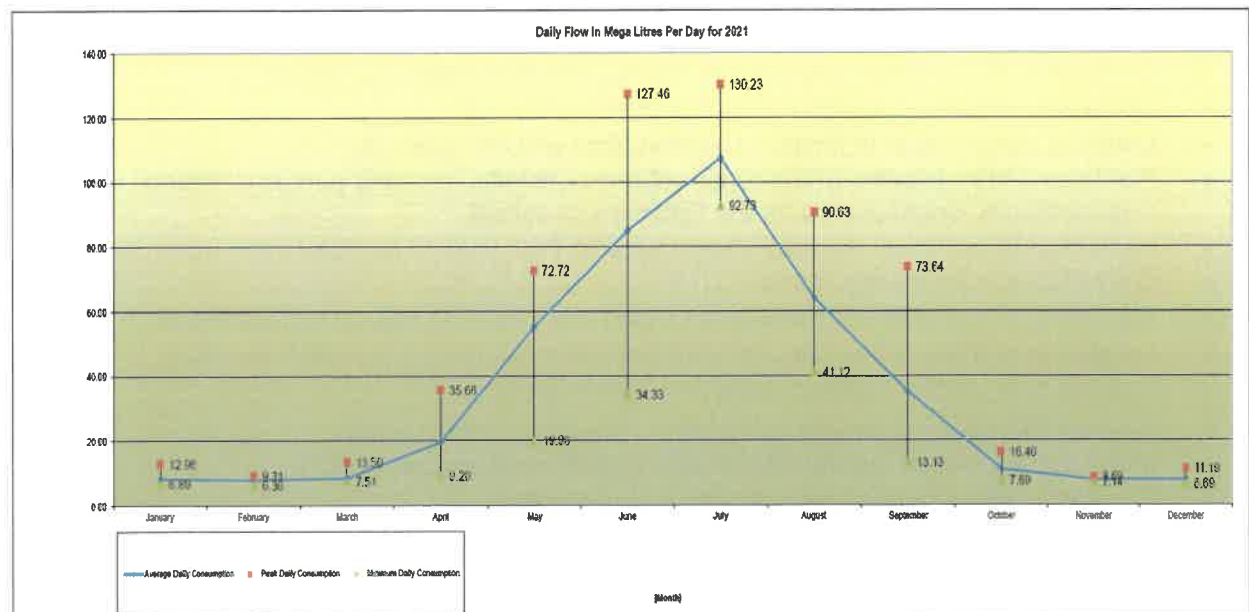


For 2021, Mission Creek supplied 91% off all water used in the distribution system. The Scotty Creek surface water source provided 3% of flows and the three groundwater sources (Well 4, Well 5, Well 6) provided the remaining 6% of water to the system. The average annual consumption for the previous five years was 11,896 megaliters (ML). Throughout 2021, 12,765 ML of water was provided to the distribution system (107% 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
2021	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres	Mega Litres
January	248.90	5.30	0.00	0.00	0.00	5.30	5.30	248.90	254.20
February	213.64	7.03	0.00	0.00	0.00	7.03	7.03	213.64	220.68
March	251.56	8.61	0.00	0.00	0.00	8.61	8.61	251.56	260.18
April	568.89	17.71	0.00	0.00	0.00	17.71	17.71	568.89	586.60
May	1,600.54	12.54	83.32	13.65	1.35	110.86	109.50	1,601.89	1,711.40
June	2,340.08	0.00	113.08	45.09	48.31	206.48	158.17	2,388.39	2,546.56
July	2,902.69	0.00	117.23	115.44	194.79	427.46	232.67	3,097.48	3,330.15
August	1,710.36	8.09	102.51	56.25	108.16	275.02	166.85	1,818.52	1,985.37
September	974.70	24.42	0.15	0.00	50.11	74.69	24.58	1,024.81	1,049.39
October	328.17	11.84	0.00	0.00	0.00	11.84	11.84	328.17	340.01
November	227.88	7.27	0.00	0.00	0.00	7.27	7.27	227.88	235.14
December	239.40	6.67	0.00	0.00	0.00	6.67	6.67	239.40	246.06
Total	11,606.80	109.48	416.29	230.43	402.72	1,158.93	756.21	12009.53	12,765.73

#### Monthly Consumption by Source

Consumption varied 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 June and July had consistently high flows to meet the increased demands from the heat dome that was present during the early summer. Peak daily consumption of 130.23 ML (5 year average of 127.7 ML) took place on July 1 and minimum flow of 6.30 ML was on February 23. High flows of over 100 ML/day occurred for 36 days during the summer of 2021. The average for the proceeding five years was 27.6 days/year with flows above 100 ML/year.



System Consumption - Peak and Minimum Daily Flows



## **MAINTENANCE & UPGRADING WORKS**

Maintenance and upgrading occurs continuously throughout the year. In 2021, there were several repairs and upgrades that were carried out by District staff and support resources from the water supply industry. These upgrades are listed as follows:

- Installation of transfer switch/breaker service-kiosk for an upgraded generator (to be completed in 2022);
- Two new sludge drying-beds and piping installed for long-term sludge disposal (existing WTP hillside upland was cleared, and significant earthworks done in preparation for the lagoons);
- New sludge pump and catwalk installed in existing sludge pond to pump to the two new lagoons;
- HDPE piping from existing sludge pond to the two new upland sludge lagoons;
- Electric receptacles and power installed at several locations (side gates, clarifier 1, clarifier 2, Stevens inlet dock);
- pH probe and on-line analyzer installed in Stevens Pond to monitor pH in the reservoirs, post treatment;
- Installation of upgraded decanting infrastructure, including new flow meter, between sludge pond and fish screens;
- Two new sampling docks installed at Stevens Outlet and Hadden Outlet for increased safety while sampling;
- Safety rail upgraded at Head-Gates on the Creek side of the catwalk;
- Moved shower tank and replumbed internal water lines and pump;
- New UPS for WTP SCADA;
- Two additional peristaltic pumps for polymer dosing. Each train now runs with two pumps in tandem for increased efficiency and redundancy;
- New safety/process monitoring cameras installed at eleven locations;
- Upgraded internal lighting in both WTP operations building and process building to LED;
- Bubbler system installed at the end of Clarifier 1 for spring start-up.

### **Improvements Planned for 2022 and into the Future:**

- Completion of Generator upgrade (including generator install and kiosk);
- Completion of upland sludge drying bed piping and pump;
- Continue winterization of Mission Creek intakes and fish screens;
- Purchase and installation of two small volume peristaltic metering pumps to replace existing positive-displacement pumps for the Epiamine chemical;
- Installation of two small diameter magmeters on PAX lines to facilitate more accurate dosing of chemicals to the mixing trains;
- Installation of concrete barriers around high traffic points alongside both clarifiers;
- Installation of a new water line and yard hydrant to the sludge pond/fish screens;
- Replace both clarifier baffle curtains and curtain anchors;
- Replace old wood return-flow valve frame with upgraded materials;
- Install new perimeter fencing after completion of upper sludge lagoons;
- Purchase escape ladders for entry and exit of clarifiers;
- Additional underwater camera installed in flocculation train #2.



## **STAFFING**

Three employees staffed the Water Treatment Plant for the 2021 season. One new operator from distribution joined the existing two operators at the WTP to replace a staff member who relocated to another community. The new operator took over the departing operator's shift to maintain the on-call rotation. For the 2021 season, the WTP staff carried out their responsibilities for the entire season based a three-week rotation for on-call responsibilities.

*Respectfully submitted,*

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

# Black Mountain Irrigation District

## Provisional Budget Report

GL5220

Date : Mar 09, 2022

Page : 1

Time : 4:36 pm



Account Code : ??-??-???

To ??-??-???

Fiscal Year : 2022

Account Code	Account Description	2021 Budget Values	2022 Budget Values
<b>1</b>	<b>GENERAL OPERATING FUND</b>		
<b>REVENUES</b>			
1-1-500-500	IRRIGATION TAXES	-748,530	-764,500
1-1-510-510	WATER TOLLS - DOMESTIC & COMMERCIAL	-5,473,500	-5,943,500
1-1-510-511	SALE OF WATER/HYDRANT USE PERMITS	-15,000	-15,000
1-1-520-520	CONNECTION FEES	-75,000	-75,000
1-1-520-521	TAX & TOLLS INFORMATION	-12,500	-12,500
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	-45,000	-47,500
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	-7,500	-7,500
1-1-540-545	100 YR HISTORY BOOK SALES	-2,500	-1,000
1-1-540-549	TURN ON/OFF CHARGES & NEW ACCT FEES	-20,000	-15,000
1-1-540-550	DEVELOPMENT REVIEWS	-2,500	-2,500
<b>Total REVENUES</b>		<b>-6,468,030</b>	<b>-6,950,000</b>
<b>EXPENSES</b>			
1-2-600-602	TRAINING & EDUCATION (OPS)	25,000	25,000
1-2-600-604	STAFF EXP: OVERALLS/BOOTS/CLOTHING/PROMO	15,000	15,000
1-2-600-606	MEMBERSHIPS / EOCP DUES / PROF ASSN FEES	3,500	3,500
1-2-600-608	AS-BUILTS/ GIS MAPS/ BLUEPRINTING	20,000	20,000
1-2-600-610	CONSULTING SERVICES - GENERAL	50,000	50,000
1-2-600-612	WATERSHED MGMT (SRC PROT/DAM INSP)	20,000	30,000
1-2-600-614	WATER CONSERVATION / LEAK DETECTION	2,500	3,000
1-2-600-616	PROV LICENSING / PERMIT FEES	35,000	30,000
1-2-600-618	INSURANCE	210,000	220,000
1-2-600-620	W. C. B. COSTS	35,500	41,500
1-2-600-622	RADIO LIC/TOWERS/SAT PHONE/CALL CTR	10,000	8,000
1-2-600-626	PROCESS CONTROL - SCADA O&M	10,000	10,000
1-2-600-628	FREIGHT & SHIPPING CHARGES	3,500	3,500
1-2-600-630	SICK PAY	67,000	55,250
1-2-600-631	VACATION PAY	136,500	150,000
1-2-600-632	OBSOLETE INVENTORY / WRITE-OFFS	2,500	2,500
1-2-600-633	STATUTORY HOLIDAYS	72,000	81,000
1-2-600-641	UV FACILITY - CHEMICALS	10,000	10,000
1-2-600-642	UV FACILITY - WAGES	20,000	25,000
1-2-600-643	UV FACILITY - UTILITIES	30,000	30,000
1-2-600-644	UV FACILITY - MNTC & MISC	35,000	25,000
1-2-600-645	WTP - CHEMICALS	375,000	425,000
1-2-600-646	WTP - WAGES	185,000	195,000
1-2-600-647	WTP - UTILITIES	60,000	60,000
1-2-600-648	WTP - MTNC & MISC	175,000	135,000
1-2-600-649	WTP STANDBY DUTIES	39,500	43,250

# Black Mountain Irrigation District Provisional Budget Report

GL5220

Date : Mar 09, 2022

Page : 2

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Account Code : ?-?-???-???

To ?-?-???-???

Fiscal Year : 2022

Account Code	Account Description	2021 Budget Values	2022 Budget Values
1-2-600-650	WAGES - SYSTEM OPERATIONS	200,000	200,000
1-2-600-651	SAFETY SUPPLIES / EQUIP/ MEETINGS	20,000	20,000
1-2-600-654	DOMESTIC SERVICE REPAIRS	100,000	100,000
1-2-600-655	IRRIGATION SERVICE REPAIRS	15,000	20,000
1-2-600-656	WATER MAIN & BLOW OFF REPAIRS	125,000	75,000
1-2-600-658	METER READING / NOTICES	5,000	6,000
1-2-600-659	IRRIGATION METER REPAIRS	25,000	35,000
1-2-600-662	WATER QUALITY TESTING	80,000	65,000
1-2-600-664	CROSS CONNECTION CONTROL PROGRAM	17,500	17,500
1-2-600-665	WD - CATHODIC PROTECTION	30,000	20,000
1-2-600-666	POWER - STATIONS/INTAKE/WELLS	225,000	235,000
1-2-600-667	TELEPHONE - STATIONS/INTAKE	7,000	5,000
1-2-600-668	STATIONS - REPAIRS/PARTS/MTNC	350,000	400,000
1-2-600-669	HYDRANT REPAIRS	17,500	17,500
1-2-600-670	FLUSHING	32,500	30,000
1-2-600-671	AIR VALVE REPAIRS & MAINTENANCE	10,000	35,000
1-2-600-672	CHLORINE - WELLS/STNS	25,000	65,000
1-2-600-674	UPSTREAM WORKS LABOUR, REPAIRS & EQUIP.	100,000	100,000
1-2-600-676	STANDBY DUTIES - DISTRIBUTION	59,000	62,000
1-2-600-680	UTILITY EXPENSES - SHOP	25,000	25,000
1-2-600-682	SHOP SUPPLIES, TOOLS & EQUIPMENT	25,000	25,000
1-2-600-685	SECURITY BLDG & EQUIPMENT	7,500	7,500
1-2-600-686	HEAVY EQUIPMENT - REP & MTNC	55,000	55,000
1-2-600-688	LIGHT TRUCKS - REP & MTNC	50,000	50,000
1-2-600-692	SMALL ENGINES - REP & MTNC	12,500	12,500
1-2-600-694	FUEL - VEH/HEAVY (Gas/Diesel/Propane)	80,000	90,000
1-2-600-696	SHOP & YARD WORK - MISC.	65,000	75,000
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 INSTALLATIONS	7,500	7,500
1-2-600-708	UPSTREAM WORKS - MISSION CREEK	20,000	20,000
1-2-610-600	SALARIES - OFFICE	330,000	400,000
1-2-610-602	TRAINING & EDUCATION (OFFICE)	2,000	2,000
1-2-610-604	MEETINGS/CONFERENCES	5,000	5,000
1-2-610-609	LEGAL SERVICES & APPRAISAL FEES	15,000	15,000
1-2-610-611	EMPLOYEE BENEFITS - EI & CPP	88,000	105,000
1-2-610-613	EMPLOYEE BENEFITS - MISC.	8,000	8,500
1-2-610-616	EMPLOYER HEALTH TAX	33,500	37,000
1-2-610-617	EMPLOYEE GROUP BENEFITS PLAN	102,000	98,500
1-2-610-620	MPP EMPLOYER PORTION	130,500	140,000
1-2-610-625	OFFICE SUPPLIES - STATIONARY	17,500	15,000
1-2-610-627	COMPUTER MNTC & SOFTWARE SUPPORT	35,000	30,000
1-2-610-629	PHOTOCOPIER, PRINTER INK & SHREDDING	8,000	10,000
1-2-610-631	ADVERTISING & NEWSLETTERS	10,000	10,000
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**



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Date : Mar 09, 2022      Time : 4:36 pm

Account Code : ??-??-??-??  
To ??-??-??-??  
Fiscal Year : 2022

Account Code	Account Description	2021	2022
		Budget Values	Budget Values
1-2-610-635	OTHER OFFICE EXPENSE	15,000	15,000
1-2-610-637	AUDIT FEES	25,000	27,500
1-2-610-641	TRUSTEES FEES	85,000	85,000
1-2-610-645	JANITORIAL CLEANING & SUPPLIES	6,000	6,000
1-2-610-647	OFFICE BLDG MTNC & SECURITY	10,000	10,000
1-2-610-649	TELEPHONE, INTERNET	7,500	7,500
1-2-610-651	ELECTRICITY & NATURAL GAS	8,500	8,500
1-2-610-653	WATER & SEWER	1,500	1,500
1-2-620-655	BANK SERVICE/INTEREST CHARGES	12,500	12,500
1-2-620-658	RBC WTP LOAN INT & BA FEES	2,000	0
1-2-620-660	RBC UV LOAN INT & BA FEES	190,000	185,000
1-2-630-657	PURCHASES OF ASSETS UNDER \$25,000	20,000	0
1-2-630-661	RBC WTP LOAN PMTS ON PRINCIPAL	125,000	0
1-2-630-664	RBC UV LOAN PMTS ON PRINCIPAL	283,000	295,000
1-2-640-657	TCA - VEHICLE/EQUIP PURCHASES	120,000	100,000
1-2-640-659	CONTRIBUTION TO EQUIP. REPL. RESERVE	30,000	50,000
Total EXPENSES		5,247,500	5,335,000
Total GENERAL OPERATING FUND		-1,220,530	-1,615,000



## BLACK MOUNTAIN IRRIGATION DISTRICT 2022 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:	2019	3 Years	2022
	2602 Walburn Road	Residence: 250-765-7269			
	Kelowna, BC V1P 1A8	Cell: 250-575-8827			
4	<b>Al Horning</b>	Business:	2019	3 Years	2022
	319-555 Houghton Road	Residence: 250-765-5090			
	Kelowna, BC V1X 7P9	Cell: 250-212-6100			
5	<b>Sukhpaul Bal</b>	Business:	2021	3 Years	2024
	1795 McCurdy Road East	Residence:			
	Kelowna, BC V1P 1B5	Cell: 250-868-7082			

\* 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 2022

**Administrator:** Robert Hrasko  
Name

(250) 765-5169  
Bus. Phone

(250) 212-3266  
(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](mailto:info@bmid.ca)





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

BMID File No.: 235

### **NOMINATION FORM**

**WE HEREBY NOMINATE:** AL HORNING

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

**MOVED BY:** Allen C. Kirchner Allen C. Kirchner  
Name Signature

**SECONDED:** COLIN DAY Colin Day  
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.**

Al. Horning  
Signature

MAR 21, 2022  
Date

RETIRED  
Occupation

250 765-5090  
Phone Number

adhorning@shaw.ca  
Email Address



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

BMID File No.: 235

### NOMINATION FORM

WE HEREBY NOMINATE: GERRY ZIMMERMANN

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

MOVED BY: AL HORNING . A. Horning  
Name Signature

SECONDED: Allen C. Kirschner Allen C. Kirschner  
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.**

G. Zimmermann  
Signature

MAR 21, 2022  
Date

RETIRED  
Occupation

250-575-8827  
Phone Number

Zimmermann.gerry@gmail.com  
Email Address



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

File No 235

## 2022 ELECTION REPORT

### NOTICE OF ELECTION

(as published on March 21, 2022):

The terms of office for Trustees, Al Horning and Gerry Zimmermann, expire in 2022. Nominations for these positions will be open from 8:00 am on **March 21, 2022** until 3:30 pm on **April 1, 2022**.

If an Election is required, voting will take place on **Thursday, April 14, 2022** 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 7, 2022**.

### ELECTION RESULTS – April 4, 2022

Nominations were received for Al Horning and Gerry Zimmermann only. Both Trustees were Re-Elected by Acclamation for an additional three year term.

\*\*\*\*\*

Yours truly,

**BLACK MOUNTAIN IRRIGATION DISTRICT**

Linda O'Neil  
Deputy Returning Officer



## **Trustees' and Chairman's Remuneration**

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

2015	Meetings per diem increased from \$300 to \$330
2016	No Increases
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	TBA

For information:

Latest (February 2022) Consumer Price Index (BC) shows All Items category at 4.7% increase in inflation. Staff recommend that honorariums keep up with inflation.

Options (rounding applied):

4.7% - \$435.00 would increase to \$455.00 per diem

4.7% - Chair: \$1025.00 would increase to \$1075.00 monthly