

Naturally Refreshed

# Draft Budget Presentation January 29,2025

## Scott Schultz, Chief Financial Officer





**Budget Timeline** 

Recap 2024

**Budget Summary 2025** 

**Capital Plan** 

BC Assessment Data

**Property Tax Overview** 

Property Tax Ratio Scenarios





#### **Budget Process**





#### Recap - 2024



- · Property Tax, Utility, and Curbside revenues were as expected
- Pay parking revenue was down because of rainy spring
  - Total revenues \$336K
- Strong interest earnings on investments
- Continued grant revenue
- Including FireSmart, Hot Springs Road drainage, Dike improvements

#### Expenses

- Inflationary pressures continued but showing some signs of softening
- Total expenses under budget

#### **Capital Projects**

- Many capital projects kicked off in 2024
- Including new playground, water and sewer upgrades, and beach redevelopment









#### Budget Goals - 2025



Budget Goal: No reduction in services and continued contributions to reserves, while keeping property tax increases to a reasonable level



#### Budget Pressures – 2025





#### Budget 2025 - General Revenue Highlights



Taxation	•\$3.0M
Utilities	•\$1.8M
Curbside Collection	•\$166K
Business Licensing	• \$29K
Pay Parking	•\$350K





#### Budget 2025 - General Expense Highlights



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#### Budget 2025 – General Expense Highlights



Fire Department Operating

Fire Department -Capital

Emergency Services

- Additional Admin support
- Additional training budget
- \$28,000 Fire Turn-Out Gear
- \$20,000 Equipment refreshing
- \$50,000 SPU Trailer Outfitting (Grant)

 Emergency planning agreement with District of Kent continues

#### Budget 2024 - General Expense Highlights







#### Budget 2025 - General Expense Highlights



Public Works

- \$27,000 Public works small equipment (Reserve)
- \$140,000 Drainage improvements (Gas Tax Grant)
- \$85,000 Public works electric truck (Grant)
- \$22,000 Boat launch dock steel plating (Boat Launch Reserve)
- \$50,000 Washroom renovations (Grant)



#### Budget 2025 - General Expense Highlights



 New Communications & Community Engagement Coordinator position

- FireSmart Initiatives (Grant)
- Community & Accessibility Programming
  - Chair Yoga
  - Accessible facilities
- Always seeking out new grant opportunities
- Refresh of getintoitharrison.ca

Community Services

### Capital Project Highlights



Dike and WWTP Access Road Improvements

• \$5,650,000 - \*Carry Forward\* (Funded by Grant)

Hot Springs Road Drainage

• **\$1,950,000** – \*Carry Forward\* (Funded by Grant and Drainage DCC)

Miami Creek North Bridge Improvement

• \$1,105,000 - \*Carry Forward\* (Funded by Grant)

Spring Park Upgrades

• \$292,000 - \*Carry Forward\* (Funded by Parks DCC and Reserves)





**Bus Shelters** 

• **\$42,000** - \*Carry Forward\* (Funded by Gas Tax)

Village Office Maintenance

- \$30,000 \*New\* Exterior maintenace (Funded by Reserve)
- \$10,000 \*New\* Electrical upgrades (Funded by Grant)

Various Facilities

• \$15,000 - \*New\* Accessibility upgrades (Funded by Grant)



#### Resort Municipality Initiative (RMI)



The RMI supports small, tourism-based communities in building infrastructure and delivering programming that will strengthen and diversify the tourism economy

The Village's Resort Development Strategy (RDS) governs the use of RMI Funds





#### Resort Municipality Initiative

Investing in B.C. Resort Communities



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The Wastewater Utility is self sustaining and operated on a cost recovery basis

Lift Station 1 Replacement

• \$550,000 - \*Carry Forward\* (Reserve and DCC)

Lift Station 4,5,6 Upgrades

• \$670,000 - \*Carry Forward\* (Sewer Reserve)

Waste Water and Storm Master Plan

• **\$310,000** – \*Carry Forward\* (Sewer DCC)







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The Wastewater Utility is self sustaining and operated on a cost recovery basis

SCADA System

• **\$40,000** – \*New\* (Sewer Reserve)

McCombs Sewer Line repair

• \$60,000 - \*New\* (Surplus)

New Blower at WWTP

• **\$40,000** – \*New\* (WWTP Reserve)







The Water Utility is self sustaining and operated on a cost recovery basis

Water Master Plan

• **\$185,000** \*Carry Forward\* (Water DCC)

**Replacement Genset** 

• **\$94,000** \*Carry Forward\* (Water Reserve)

SCADA System

• **\$40,000** \*New\* (Water DCC)







#### 2025 Opening Balances





#### Reserves & DCCs

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2025 Budgeted General Reserve Contributions		
General Infrastructure	\$ 40	0,000
Community Works Fund	\$ 15	0,000
Public Works Capital	\$ 5	4,500
Fire Dept Equipment	\$ 4	5,900
Parking Reserve	\$ 1	0,000
Office Equipment	\$ 1	4,000
Dock Replacement reserve	\$ 1	0,000
Boat Launch	\$	5,412
Total	\$ 68	9,812
Budgeted Utilities Reserve Contributions		
Wastewater	\$ 24	6,200
Water	\$ 28	5,853
Total	\$ 53	2,053
Budgeted Transfers From Reserves		
General	\$ 35	2,699
Wastewater	\$ 94	5,737
Water	\$ 14	2,504
Total	\$1,44	0,940
Budgeted Transfer From DCCs		
Parks DCC	\$ 35	2,820
Drainage DCC	\$ 1,25	0,910
Water DCC	\$ 18	5,802
Total	\$1.78	9 532



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Note - Subject to change when final roll is released from BC Assessment

Total assessed value of all properties

•\$1.16B

Non-Market Change (Growth)

•\$12.3M

Overall increase to assessments (2024 vs 2025)

•\$60M

Increase of ~5%

Class % Increase (2024 vs 2025)

•Residential (Class 1) - 3.98% (versus -4.25% in 2023 vs 2024)

•Business (Class 6) - 6.23% (versus 13.98% in 2023 vs 2024)

•Recreational (Class 8) - 7.1% (versus 25.19% in 2023 vs 2024)

#### **Property Tax Components**



Two components to property taxes



#### **Property Tax Ranking**



#### TAX RATE RANKING (2023)

Total Municipalities VHHS 162 162 162 131 30 31

RESIDENTIAL

BUSINESS

RECREATION







#### Property Tax Ratio - Scenario 1



#### Same ratios as 2024

#### Residential: 1 | Business: 3.03 | Recreational: 3.66

Scenario 1 - Same ratios as 2024									
		<u>2024</u>	Aver	age Increase		<u>2025</u>	An	nual Inc	% Increase
Avg Mkt Chg				3.98%					
Residential	\$	950,000.00	\$	37,810.00	\$	987,810.00			
Municipal property tax	\$	1,932.35			\$	2,035.66	\$	103.31	5.35%
				0.000/					
Avg Mkt Chg				6.23%					
Business	\$	950,000.00	\$	59,185.00	\$	1,009,185.00			
Municipal property tax	\$	5,874.35			\$	6,301.51	\$	427.16	7.27%
Avg Mkt chg				7.10%					
Recreational	\$	950,000.00	\$	67,450.00	\$	1,017,450.00			
Municipal property tax	\$	7,072.41			\$	7,674.07	\$	601.66	8.51%



#### Property Tax Ratio - Scenario 2



#### Equalize increase across classes

#### Residential: 1 | Business: 2.98 | Recreational: 3.56

Scenario 2 - Same ratios as 2024									
		<u>2024</u>	Aver	rage Increase		<u>2025</u>	An	nual Inc	% Increase
Avg Mkt Chg				3.98%					
Residential	\$	950,000.00	\$	37,810.00	\$	987,810.00			
Municipal property tax	\$	1,932.35			\$	2,047.45	\$	115.10	5.96%
Avg Mkt Chg				6.23%					
Business	\$	950,000.00	\$	59,185.00	\$	1,009,185.00			
Municipal property tax	\$	5,874.35			\$	6,233.43	\$	359.07	6.11%
Avg Mkt chg				7.10%					
Recreational	\$	950,000.00	\$	67,450.00	\$	1,017,450.00			
Municipal property tax	\$	7,072.41			\$	7,507.63	\$	435.22	6.15%





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# **Action Items**

Council feedback / changes to Draft Budget

Council direction on Property Tax Ratios



#### 2025 Budget Presentation





# Thank You



# HARRISON HOT SPRINGS Naturally Refreshed

## Harrison Hot Springs Waterfront Flood Mitigation

**Update to Council** 

January 29, 2025

Introductions Project Team

**Presenters:** 

**Daniel Maldoff**, MEng, PEng Hydrotechnical Engineer, **NHC** 

Jeff Cutler, BCSLA, AALA, OALA, CSLA, ENV SP Principal, space2place **Project Team:** 





Northwest Hydraulic Consultants Civil/hydrotechnical engineering (Prime Consultant) •0

Space2place Landscape architecture Public engagement



**Thurber Engineering** Geotechnical/seismic engineering



**Legacy Environmental** Environmental/permitting Indigenous consultation

#### **Presentation Outline**

- 1. Project Overview
- 2. Dike Design
- 3. Concept Refinement for Commercial Waterfront Area
- 4. Example: Calgary Flood Wall
- 5. Next Steps



#### Project Overview Problem Definition



### WWTP Road and Shoreline: inundation and erosion

### Waterfront Dike: overtopping

#### → ACTIONS

- Raise WWTP road from El. 12.5 m to El. 14.7 m
- Armour WWTP road and shoreline
- Raise dike from El. 13.9 m to El. 15.1 m

### Project Overview June 25, 2024 Council Meeting

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Items covered at this previous meeting:

- Conceptual design update (3 concept options)
- Public engagement Dec 2023 Jan 2024
- Flood history and project rationale

### Action item from meeting:

• Refine dike concept for commercial waterfront

# Project Overview Components

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WWTP Road and Shoreline (Zones 1 and 2) Waterfront Dike (Zones 3, 4, 5 & 6)



### Project Overview Available Funding



# \$11M of grant funding approved

- \$6M UBCM Strategic Priorities Fund
- \$5M Provincial Community Emergency Preparedness Fund

### Dike Design Provincial Dike Design Standards



#### • Design Criteria

- water level (200-yr | Flood of Record)
  - + settlement
  - + climate change (future)
  - + wave runup
  - + freeboard

#### Fraser River Flood (Hazard 1)

- Flood of Record (1894 Flood) + summer wind/wave (reference: Dike Design and Construction Guide, Best Management Practices for British Columbia, 2003)

#### Harrison Lake Inflows (Hazard 2)

- 200-year fall/winter lake level + fall/winter wind/wave

Landslide Generated Wave (Hazard 3)

- Outside of dike design

### **Dike Design Dike Crest Level**

- Existing dike crest elevation • water level (Flood of Record): + settlement + climate change (future) + wave runup (but manageable on land side): + freeboard **Possible Range**
- Proposed Minimum Design Crest Elevation

#### Notes:

- Meets Provincial standard for design lake level
- Wave overtopping likely during a large flood
- Future climate change adaptations likely required
- Approach is subject to Inspector of Dikes approval

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13.9 m

14.1 m

0.8 m to 1.7 m

0 m to >0.6 m

15.1 m to 17.0 m

~0 m

0.6 m

15.1 m

9

#### Dike Design Level of Protection



• Existing dike:

- 100-year present day conditions
- Upgraded dike:
- 500-year present day conditions
  - 100- to 500-yr future (with waves overtopping)

#### Probability of dike being exceeded within a range of time horizons:

	Exceedance Probability over Time								
Duration	Existing Dike (~100-yr design)	Proposed Dike (~500-yr design)							
1 Year	1%	0.2%							
10 Years	10%	2%							
30 Years	26%	6%							
75 Years	53%	14%							

#### Dike Design WWTP Road/Shoreline (Zones 1 & 2) Naturally Refreshed

- ~15-20% of \$11M grant funding
- Includes:
  - Raising the elevation of the WWTP access road
  - Addressing bank protection deficiencies





### Dike Design Dike Upgrades (Zones 3 & 6)



- Earthfill dike at east and west end
  - Similar to existing dike, but higher





Zone 3: Harrison Hot Springs Resort

### Dike Design Dike Upgrades (Zones 3 & 6)



- Earthfill dike at east and west end
  - Similar to existing dike, but higher





Zone 6: Rendall Park



- Permanent flood wall sections
- Large openings to be closed off during a flood
- Considerations:
  - Crest level
  - Beach/shorelines access
  - Accessibility
  - Waterfront views
  - Operations and maintenance
    - Reasonable deployment time
    - Storage of temporary dike
  - Cost (temporary dike is 2-3x cost of permanent flood wall)









View north toward Harrison Lagoon from Esplanade Ave



View west from the corner of Esplanade Ave and Hot Springs Rd













# Concept Refinement Temporary Dike Sections











#### **Example: Calgary Flood Wall**





Sheet pile flood wall

Flood wall contains regular openings

#### **Example: Calgary Flood Wall**



CLENNO 1089 000 11 Photo: floodcontrolcanada.com Photo: City of Calgary

Deployable flood wall installed during flood events

Deployable flood wall stored in boxes adjacent to openings

#### **Next Steps**



#### Proceed with detailed design based on current concept:

- El. 15.1 m dike crest level
- West end: earthfill dike
- Commercial waterfront: permanent flood wall with large openings
- East end (Rendall Park): earthfill dike



# **Thank you** Questions and Discussion



#### **Flood Hazard**



- Three main flood conditions:
- Hazard 1: Fraser River Freshet (spring/early summer snowmelt)
  - Elevated lake level from Harrison River backwater (waves typically small)
  - Inundation from south under failure of Kent Dike
- Hazard 2: Harrison Lake Inflow Flooding (fall/winter rainfall)
  - Elevated lake levels from local precipitation (season of largest waves)
- Hazard 3: Landslide Generated Waves
  - Slope failure on Mount Breakenridge (tsunami wave, potentially 20-25 m high)



Water Year (October of previous calendar year through September)

#### **Floodplain Mapping**





Harrison Lake dike is overtopped before Kent Dikes; therefore, <u>flooding from the north</u> occurs if dikes remain intact during design event

#### **Floodplain Mapping**



#### **1894 Fraser River Flood of Record** with dike breach

Extracted from NHC 2019 Fraser 2D Hydraulic Model for Fraser Basin Council

#### Depth (m)





Flooding from the south is possible if Kent Dikes breach, or during an event larger than the design event