

MEMO

DATE: January 19, 2022

TO: Board of Directors – Buccaneer Bay Holdings Ltd.

FROM: Buccaneer Bay Fire Sub-committee

RE: Community Fire Protection Plan

Risk

As we have seen with the recent fires in the communities of Lytton and Fort McMurray, fires can quickly get out of control and not only pose risk to structures but also to lives.

Buccaneer Bay is an isolated community without access to fire protection services. The BC Wildfire Service (BCWS) is tasked with managing wildfires on Crown and private lands, but as we have seen over the last several years its resources can be stretched, and response times significantly delayed. Also, BCWS crews are not trained for structure fires (buildings) but will respond if there is a threat to forested Crown lands. A Buccaneer Bay Fire Sub-committee was formed to assist the community to develop a Community Fire Protection Plan (the “Plan”).

Developing a Community Fire Protection Plan

While many cabins may have taken individual steps to mitigate fire risks, the sub-committee identified the need for a more coordinated approach. The Plan addresses awareness, prevention, evacuation, targeted firefighting equipment and the lack of water supply. As many cabins are shared by multiple families and/or generations, communication and awareness of the Plan is paramount to its success.

The plan recognizes that although our community is not trained in firefighting, quick action to achieve safe and timely fire suppression is key in preventing fires from becoming out of control.

Proposed Equipment

As a first step, 10-lb fire extinguishers were acquired and distributed to each cabin.

Simplified and rapid access to pumps, hoses and water was identified as our biggest challenge to suppress a potential fire.

The Plan proposes to create eight strategically located ‘tank farms’ inclusive of pumps and hoses.

Based on water pressure testing we have limited tank to cabin distances at 500 feet in determining the proposed tank farm locations. All cabins will be within 500 feet of a tank and some of the more centrally located cabins would be within reach of two tank farms. We have estimated a 3,000-gallon tank will last approximately 60 minutes. It will be possible to backfill tanks from adjacent tanks if required. Depending on the tide it may also be possible to draw water from the ocean.

This equipment is only to be used in an emergency or for training purposes. Volunteers would be designated for each of the eight tanks farms and would be trained on the use of the equipment with cross training for other locations. The equipment would be identical for each location with instructions on how to use and set up the equipment and annual training and familiarization to be done around sports day weekend.

The caretaker will be responsible for maintaining the equipment.

Contents and Cost Per Tank Farm

	<u>Cost</u>	<u>Qty</u>	<u>Total</u>
Suction hose (rigid)			100
Hose - 100 foot sections	250	6	1,500
Fire nozzle	30	2	60
3 way Hose splitter	10	1	10
Pump - Honda WH20XTC	1,200	1	1,200
Priming water container			10
Foam additive	250	1	250
Fuel - Apen (5 year)			30
Fuel container & stabilizer			30
Tank - Canwest (3,000 gallon)			3,800
Misc. tools/clamps			100
Storage box 48' RDK			400
Delivery - barge (Mercer)			500
Site preparation (level & base material) & labour			2,500
Total / tank farm			<u>10,490</u>
Number of tank farms			<u>8</u>
Subtotal			<u>83,920</u>
Contingency			<u>16,080</u>
Total funding request			<u><u>100,000</u></u>

Conclusion

The Buccaneer Bay Fire Sub-committee is requesting \$100,000 to fund and implement the Plan.