

**MEMORANDUM**

**TO:** Alex Rios, Asset Manager **FROM:** Frank Miller, Director of Public Works **DATE:** October 26, 2023 **SUBJECT:** Proposal for Station 7 Pilot Funds

Alex,

Following up on our conversation, I'm formally recommending we use the council's pilot funds to do a full, like-for-like-plus replacement of the main pump at Station 7. The current unit is nearing the end of its 10-year service life, and the recent vibration issue is a clear sign it's time to go.

This is the most direct and risk-free solution. We get a brand-new, warrantied piece of equipment, and we know exactly what we're getting. My team can have it swapped out in 48 hours.

I've seen your preliminary notes on a 'predictive' approach with new sensors and software. Respectfully, I think that's a gamble we can't afford. What's the ROI on that? How many technicians do we need to retrain? What happens if the 'prediction' is wrong? Let's stick with what works. We buy good equipment, we run it, and we replace it before it fails catastrophically. This approach has kept the water flowing in Clearwater for decades.

Let's use the money on steel we can see and touch, not on a system that might just give us more alerts to worry about.

Best,

Frank