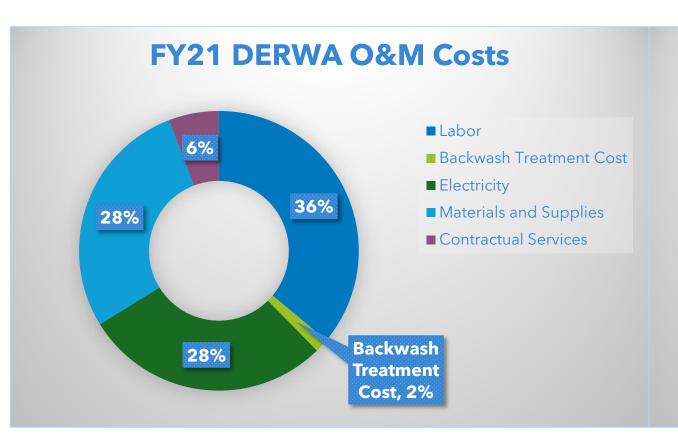
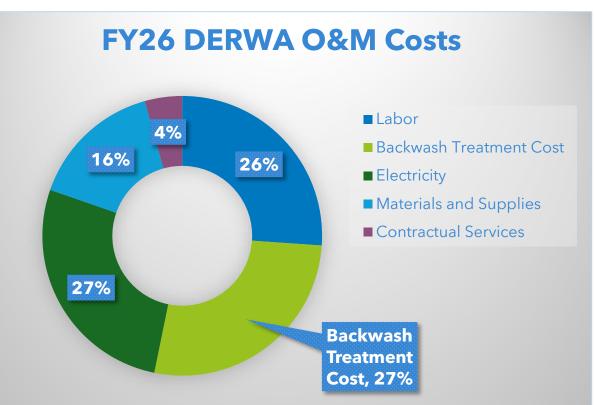


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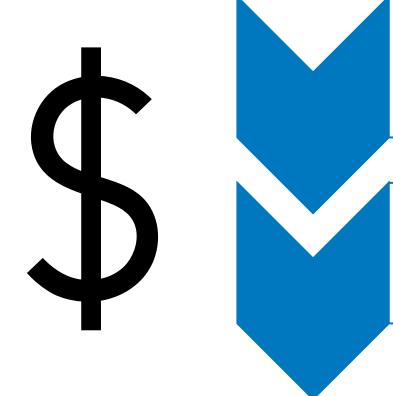
DERWA O&M Comparison







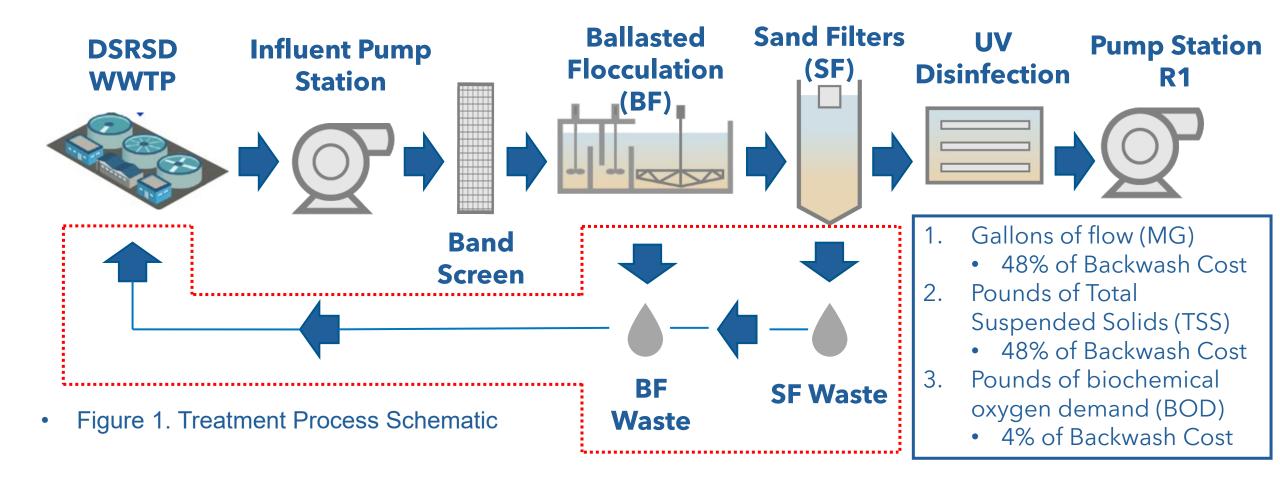
Actual Backwash Treatment Costs



- FY 2023 Actual billing
- •\$36,000
- FY 2024 Actual billing
- \$1,279,988



DERWA RWTP Overview





Eleven (11) Options Identified

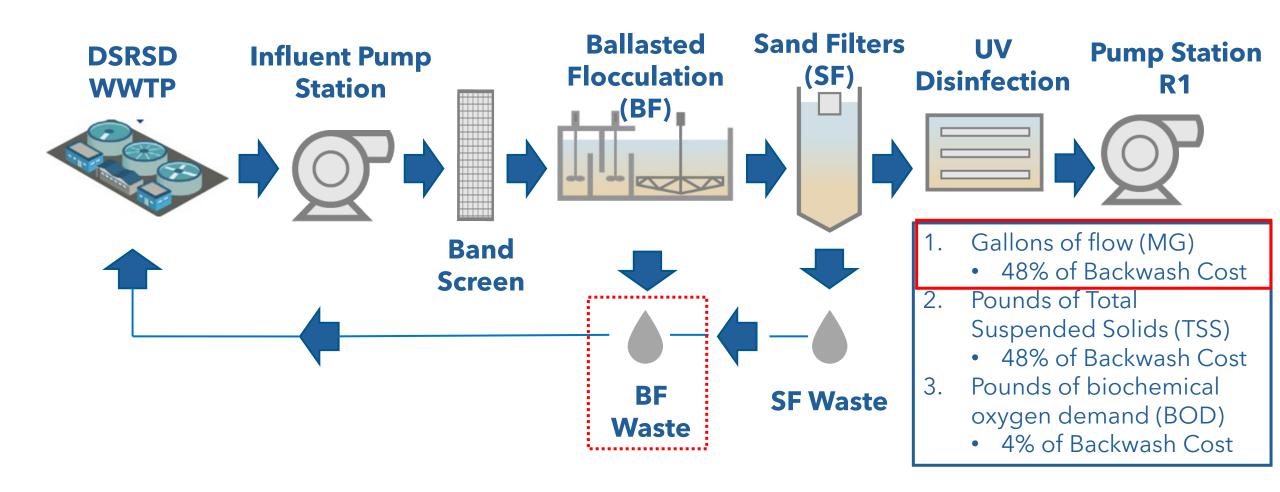
11 9 6 4

Four (4) Options Tested & Evaluated

RWTP	
1 BF Waste Rate	Test
2 Reduce SF Backwash Flow	Test
3 Reduce Chemical Usage at BF	Test
4 Sand Size in BF	Test*

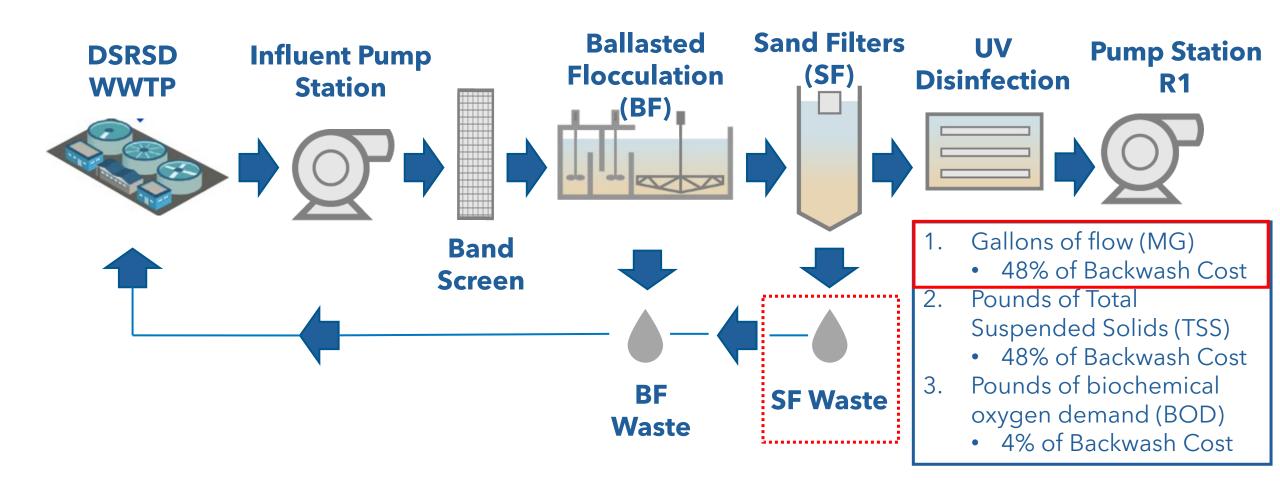


Option 1 - BF Waste Cycle Frequency



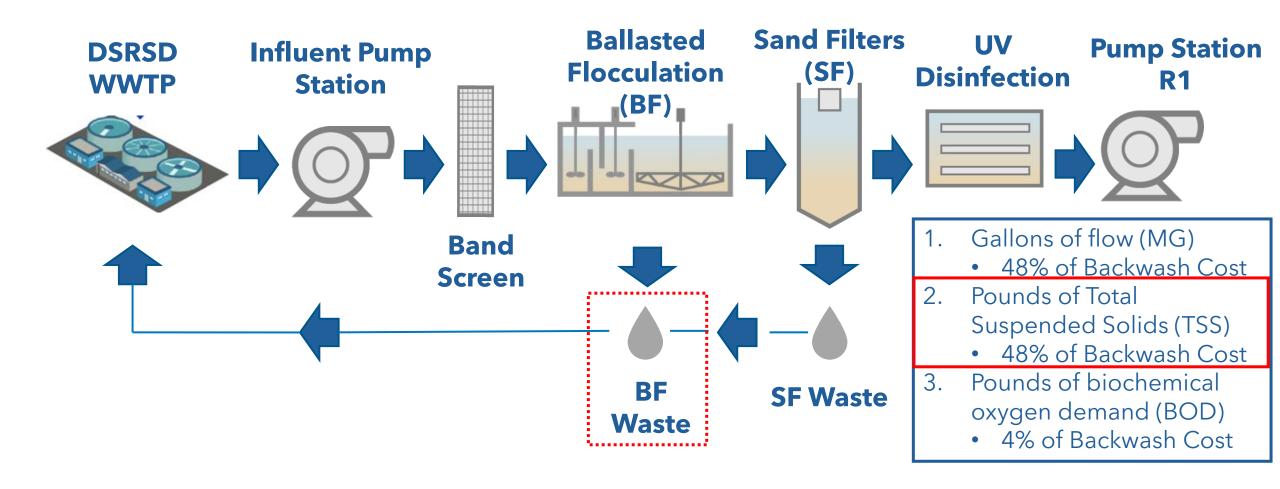


Option 2 Reduce SF Backwash Flow





Options 3 & 4 Reduce Chemical Usage at BF & Sand Size in BF





Summary

38% reduction in BF waste flow

 Potential annual savings of \$80,000

30% reduction in SF waste backwash flow

 Potential annual savings of \$120,000



Next Steps

- DSRSD WWTP Masterplan Update is ongoing
- Option 4 Sand Size in BF



Karla Hammond, Associate Engineer & Paul Friedlander, Carollo Engineers