

Responses to Marco Island RFI #2023-001 - Options for cleaning reuse water

Supplier	NuQuatics (PFWS)	Jacob's ALT 2
Achieve AWT?	YES	YES
Technology	Electrochemical Precipitation	ALUM Process
Disruption to operation	None - add on	Significant?
Cost	\$2M to \$5M	\$3.8M to \$8M
N results achieved	0.10 mg/L	2.5 mg/L
P results achieved	0.05 mg/L	0.1 mg/L
Lease available	Yes	No?
Grant available	50%-100% Innovative Technology	0% Standard Technology
WWTP applications	None	Many
Proven - Applications	Yes	Yes
Ready for "potable reuse?"	Yes	No
Injection of excess reuse?	Not required	Must deep-well inject excess
Effluent released to estuary?	Yes	No
Cost reduction?	YES - saves 90% chlorine \$150k/yr + no deep well injection of excess reuse water	NO - Operating Cost Increase of \$224,000/year
Space needed	2 cargo containers will fit	Modify existing process

NuQuatics can work with Jacob's