

# RTR DESALINATION PLANT: JOURNEY TO OPERATIONAL EXCELLENCE

Air & Water Unit - October 18th, 2017

where energy is opportunity

### Outline

- Introduction
- Air & Water OME Goal
- Challenges
- Recommendations & Actions
- Results
- Summary

# AIR & WATER UNIT

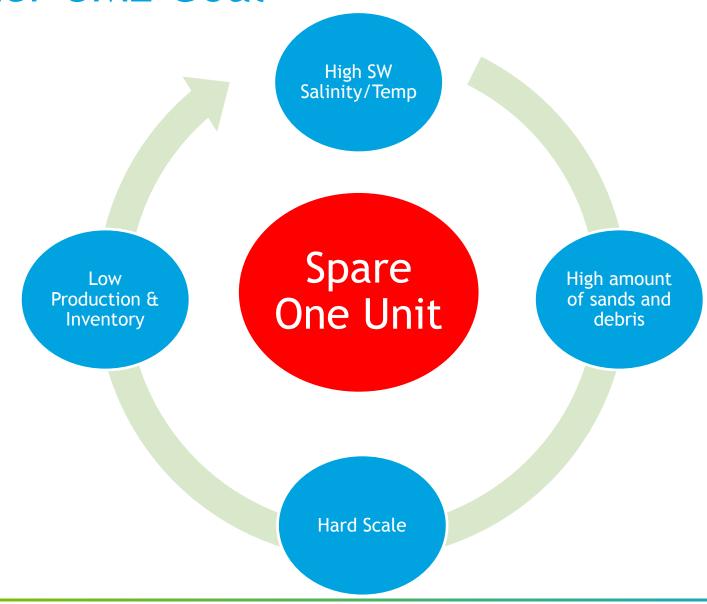




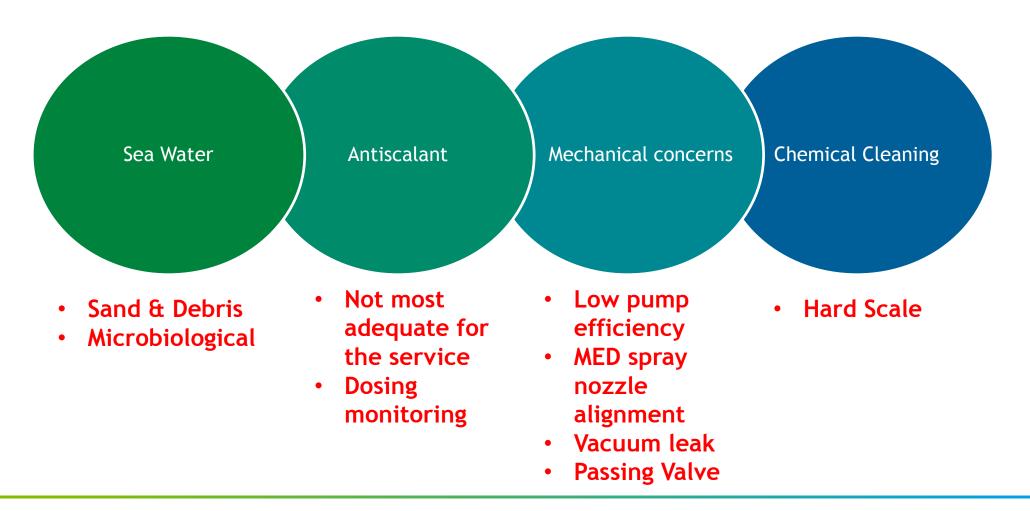
SWFE#5: 300 GPM

MEDs: 525 GPM for each train

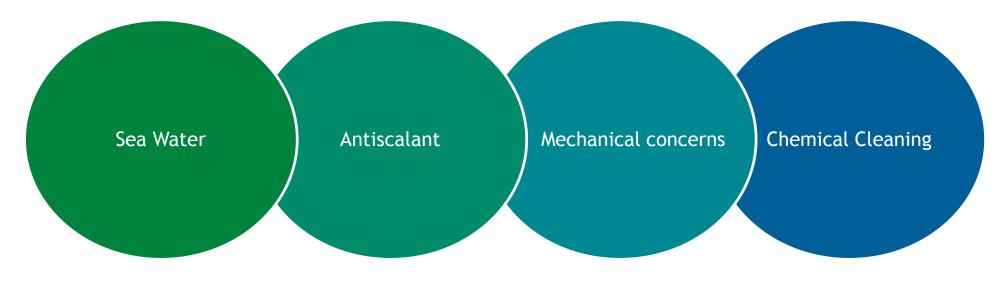
### Air & Water OME Goal



## Challenges



### Recommendations & Actions



- Canal cleaning
- Disinfection unit
- 3D TRASAR technology
- Adjust MED pump clearance
- Spray nozzles adjustment

- Procedure enhancement
- Utilize EDTA for hard scale

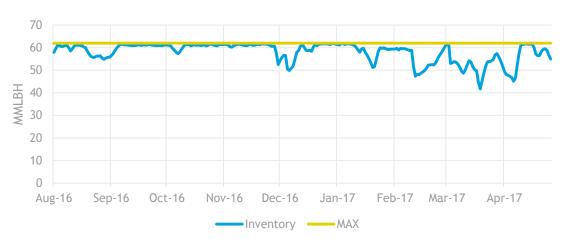
# Results

Before After





#### Distilled water inventory after chemical cleaning

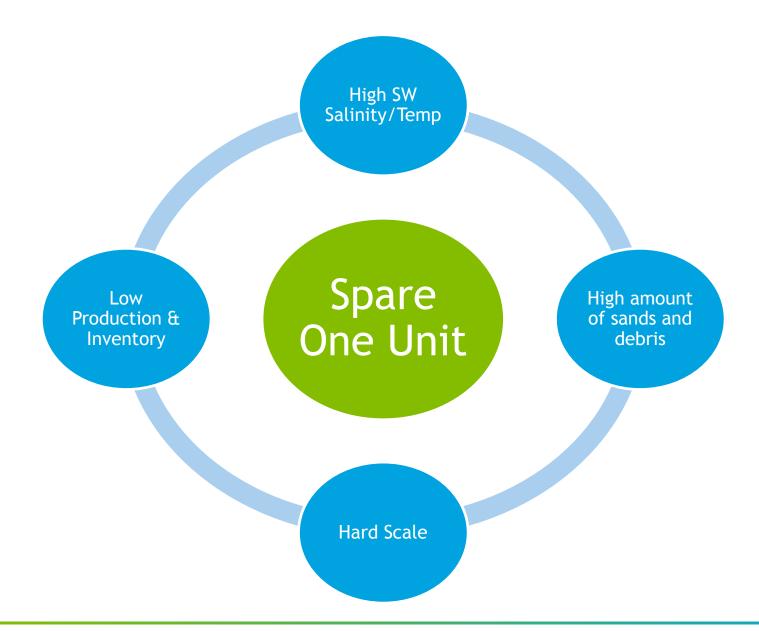


#### Desalination Plants Production (GPM)



### MED Train B Production (GPM)















Accountability





# Thank you

