

OPTIMIZATION OF ENERGY AND WATER QUALITY COSTS FOR DRINKING WATER UTILITIES

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MADISON WATER UTILITY'S PERSPECTIVE:

- Resulting Operational Improvements:
 - Implement & refine time-of-day pumping strategies for Zones 6E, 3 & 4
 - Prioritize well & booster pumping based on water quality impacts
 - Optimize “all-day” supply sites to maximize energy efficiency
 - Implement these strategies as automated/default SCADA controls
 - Refine strategies based on software application demand models
 - Apply these supply optimization strategies to other pressure zones



- *Congratulations & thank you Tara!*
- *Additionally, Greg Harrington, Al Larson and the MWU project guidance team*



Madison Water Utility