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Water Reliability Presentation

Board Meeting

June 13, 2019

Water Supplies

- 34% - Colorado River
- 41% - State Water Project (Delta)
- 25% - Local Supplies (RW)

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Water Reliability Defined

- Supply Reliability- ability to provide service during drought or reductions in imported water supplies.

- System Reliability- ability to provide service in the event of emergency

Example: Deimer outage or imported pipelines damaged

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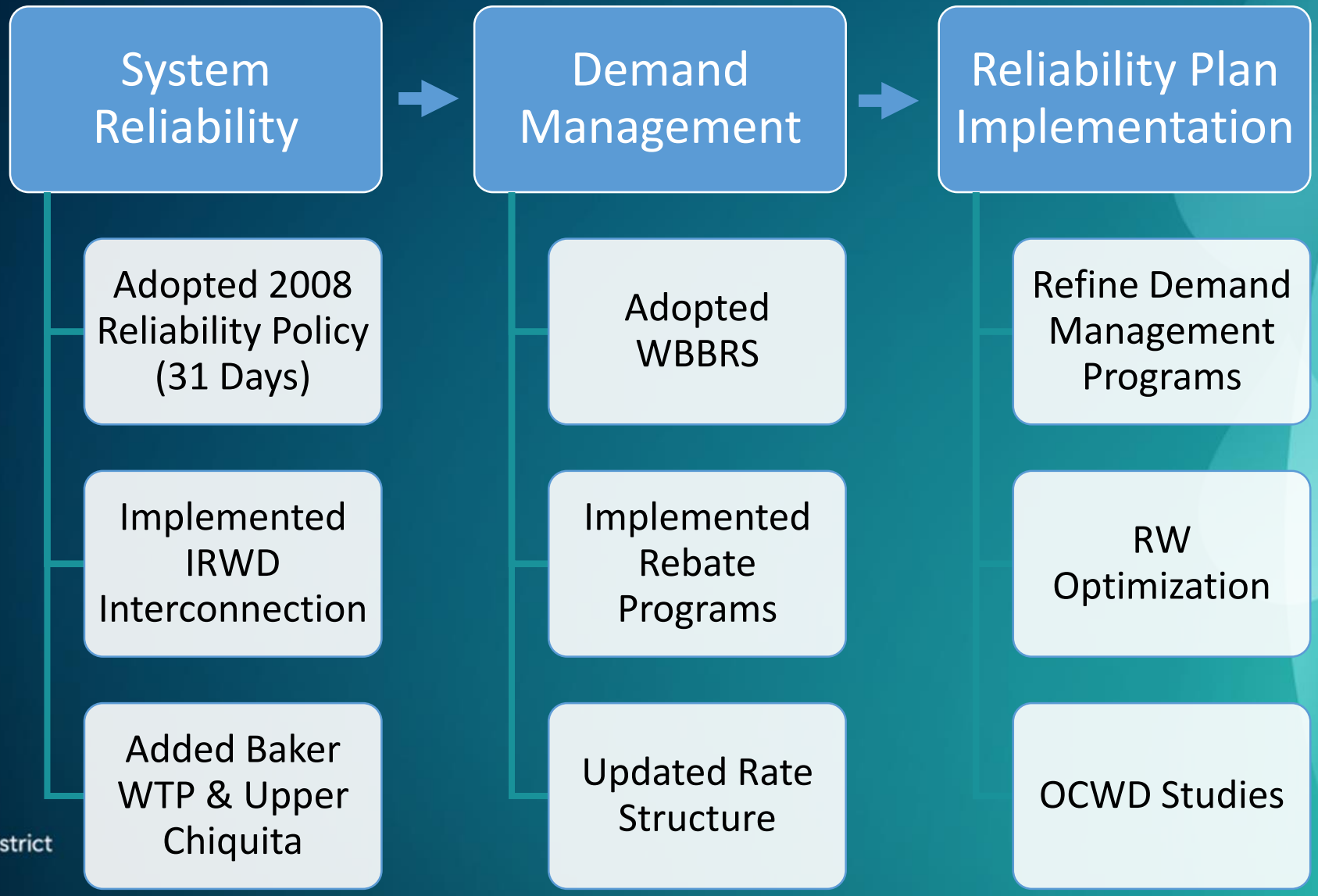
Approach to Reliability



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System Reliability Investments

- $70 M Investment locally
  - Baker WTP
  - Upper Chiquita
  - IRWD Interconnection

Image of Baker Water Treatment Plant

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Water Supplies

- 34% - Colorado River
- 41% - State Water Project (Delta)
- 25% - Local Supplies
  - Recycling

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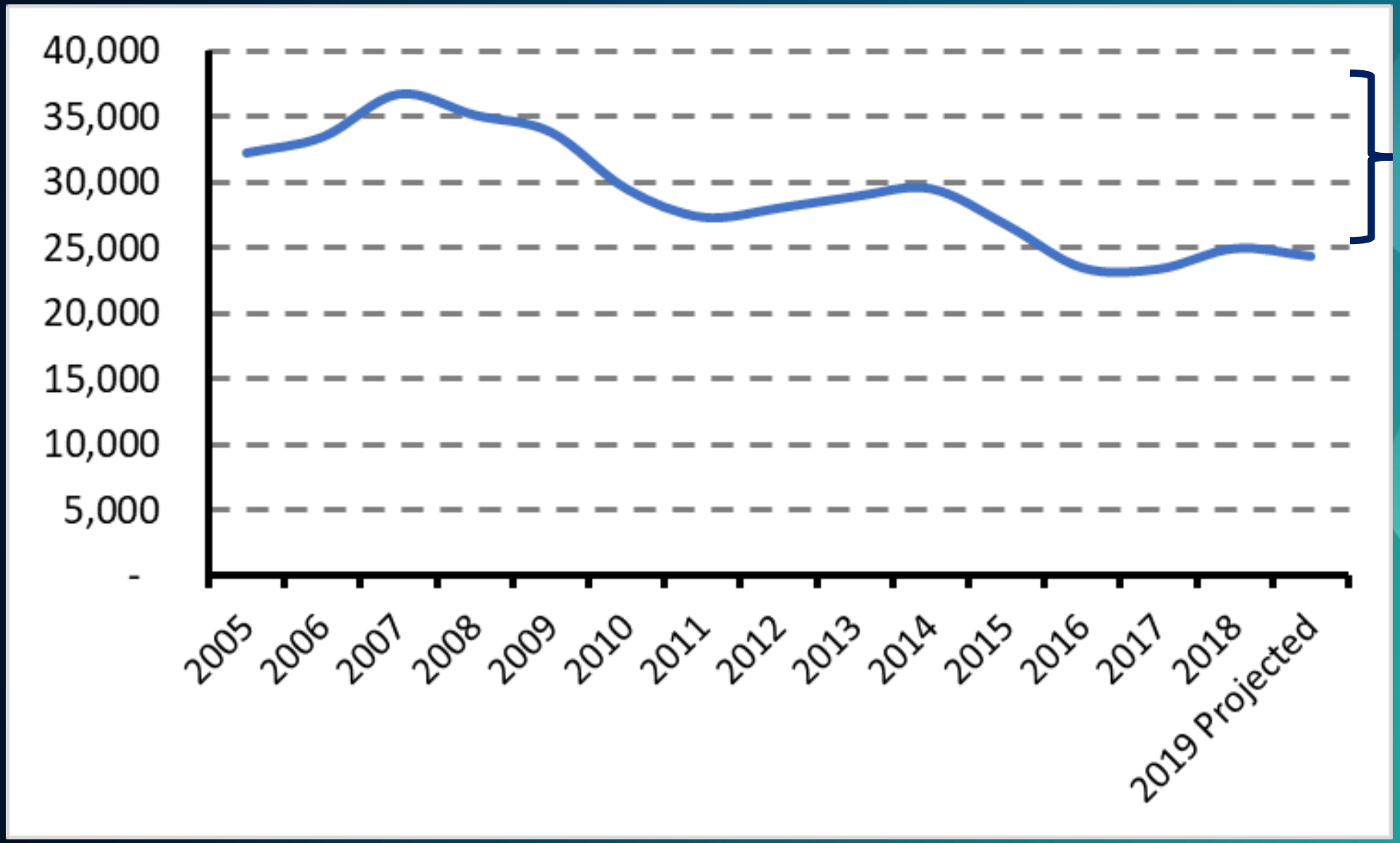
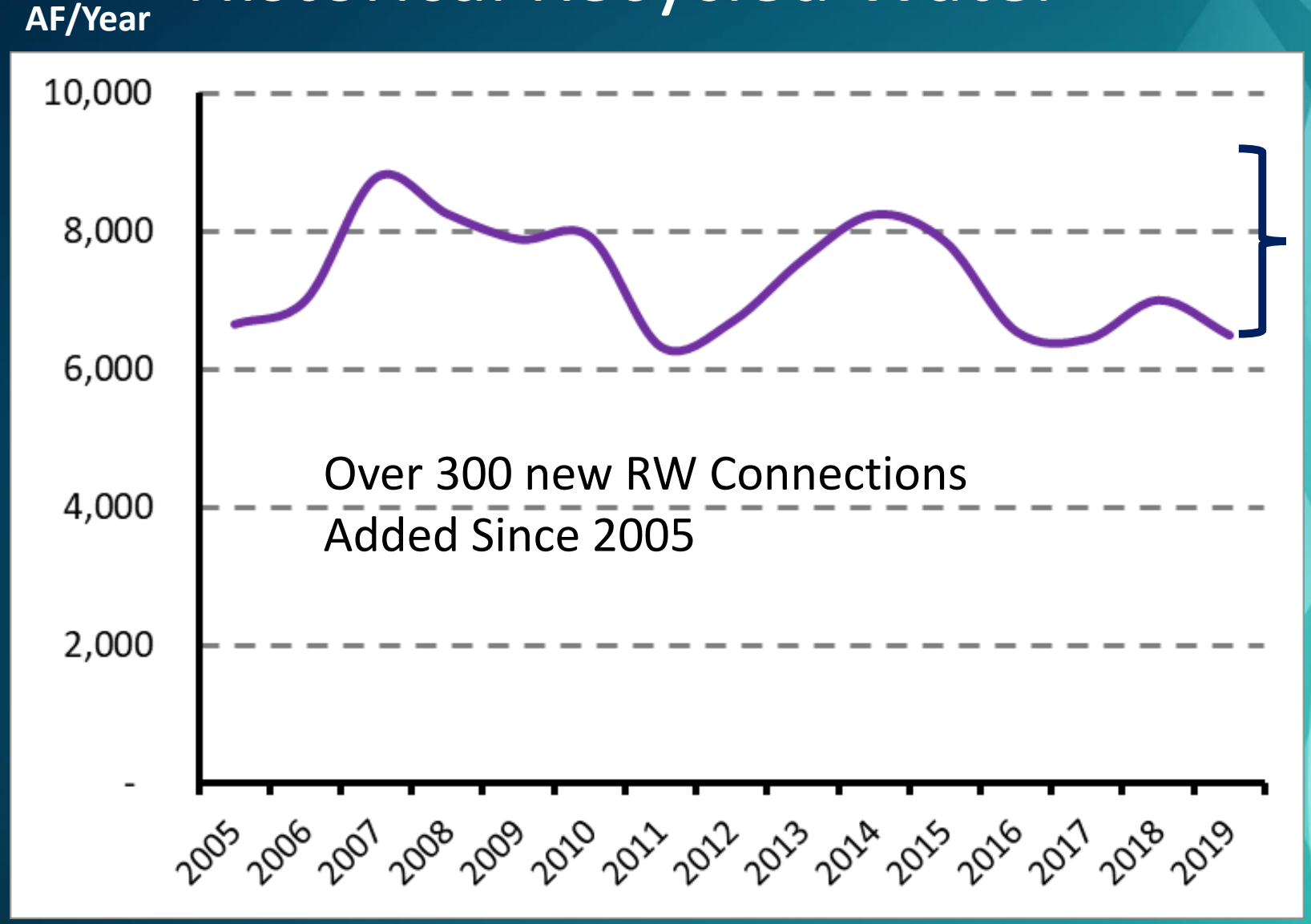
Historical Imported Water



Demand Management

Shaved over 8,000 AF of Potable Water Purchases

Historical Recycled Water



Demand Management + ET Variation

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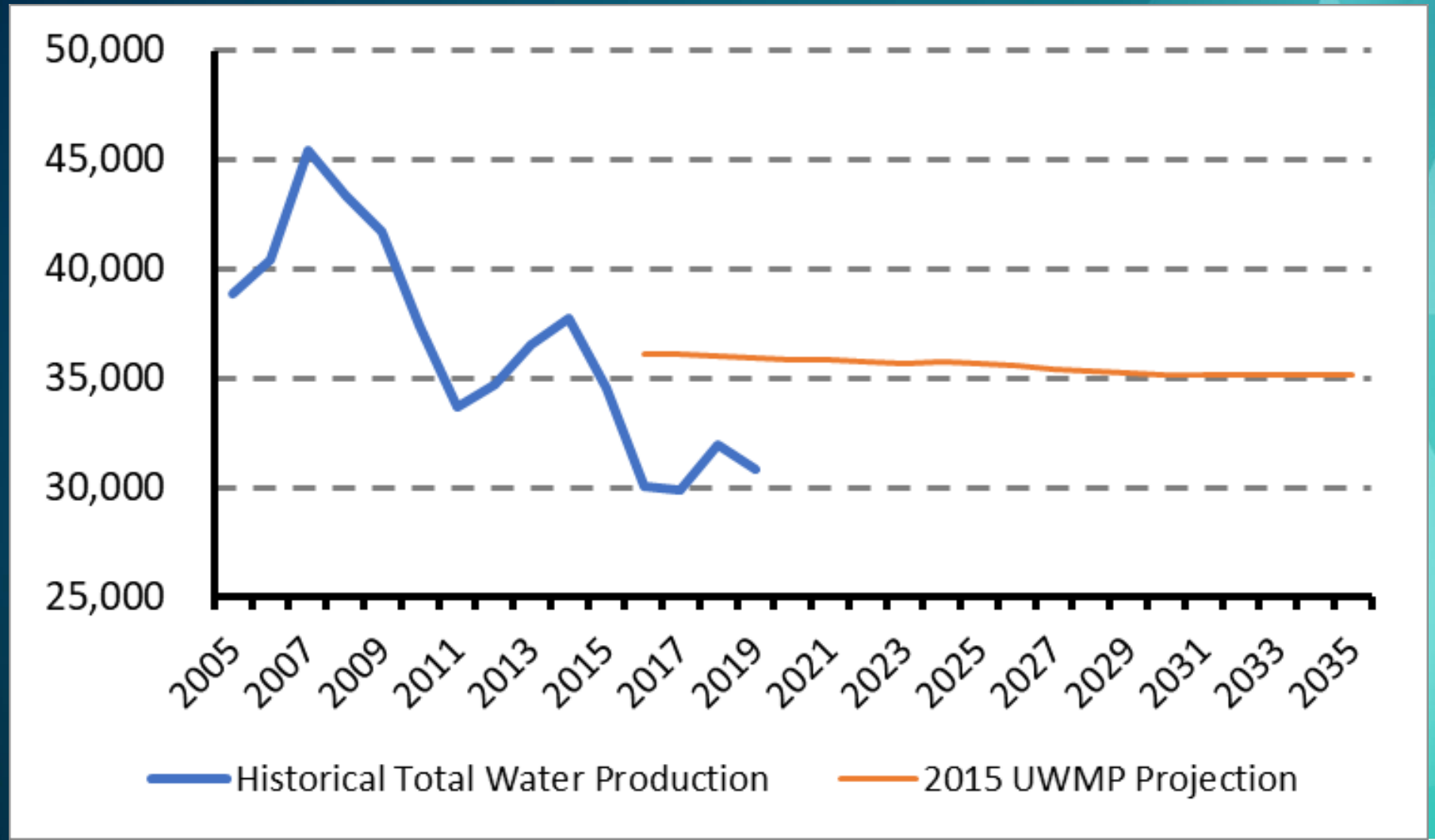
Impact of Demand Management



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Summary

- Cost effective progress from 2014 Reliability Plan:
  - Demand Management
  - Recycled Water Expansion
- System Reliability Improved from 2 to 24 days average day demand
- Reduced average supply needed by over 4,000 AF/Year since 2014 Plan
  - Customer Benefits

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Outlook

- Reliable currently
  - MWD Deimer Investments
  - MWD Storage = 4 MAF

- Uncertain future
  - CA Water Fix
  - Lake Mead
  - Earthquakes

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Water Reliability Next Steps

- OCWD Studies
- OCWD Desal Letter of Interest
  - Non-binding- stay engaged in developments
- Update Water Reliability Policy
  - System Reliability & Supply Reliability Targets
- Implement Water Loss Control Program
- Update Water Shortage Contingency Plan Ordinance
- Initiate Work to Update Reliability Study
- Continue Cost Effective Demand Management & RW Expansion

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