



interagency water transfer study

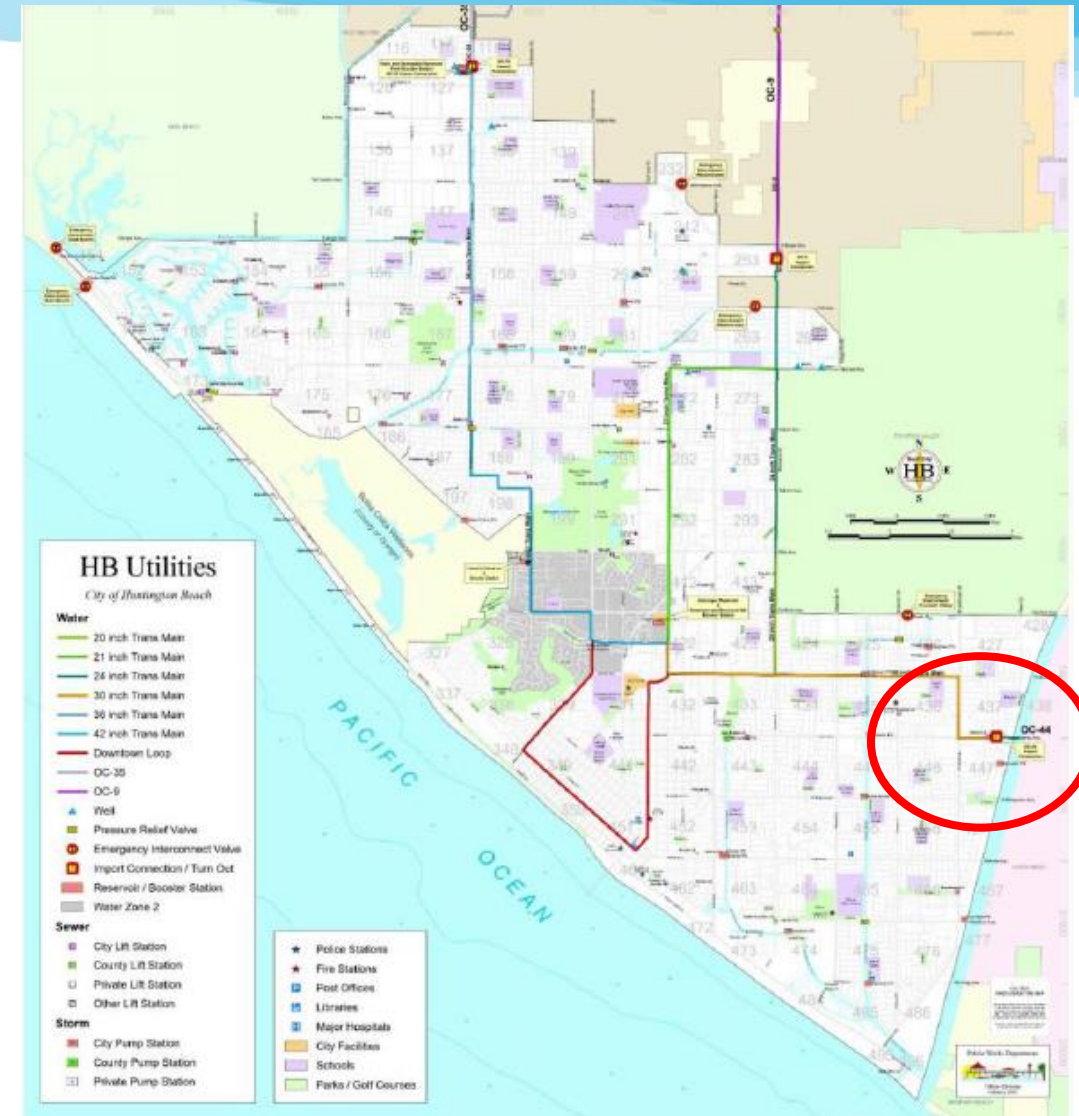
Feasibility Study Results

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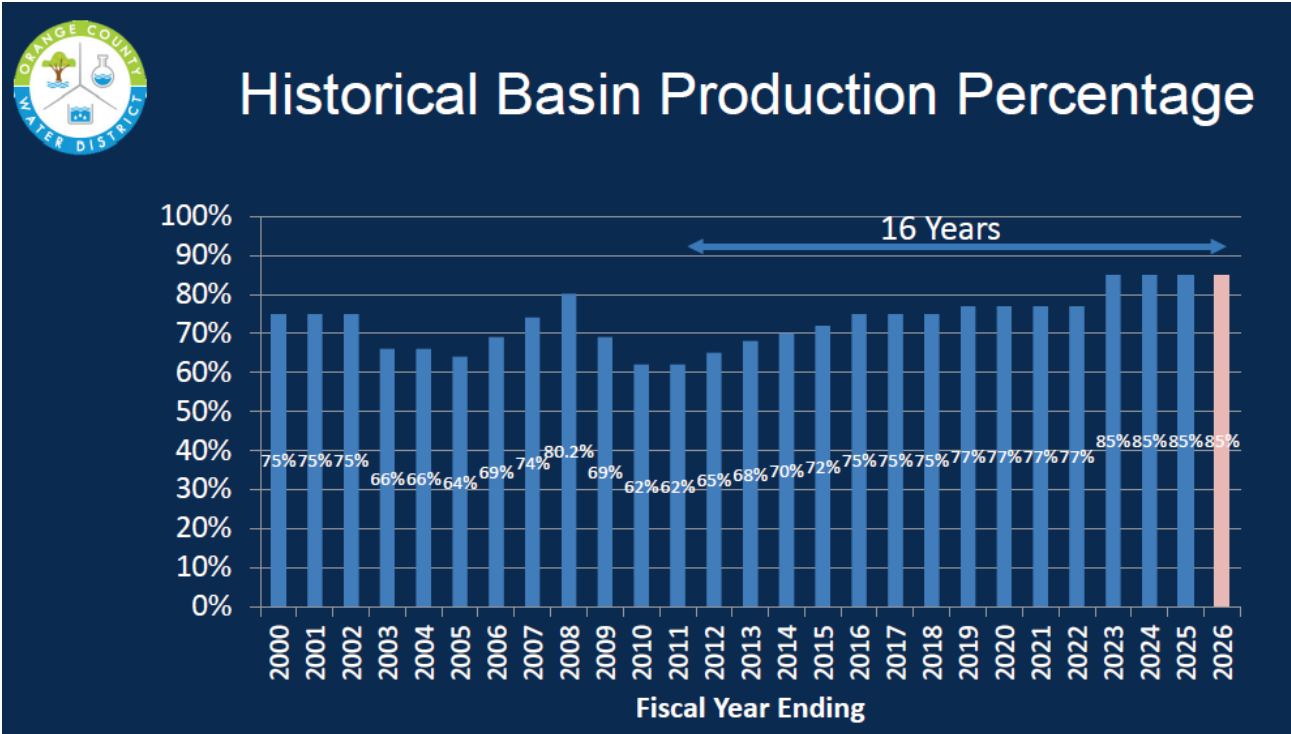
May 20, 2026

Project Background and Need

- HB utilizes two water sources: (1) groundwater and (2) imported water
- Imported water projected cost increase is substantial
- Mesa Water has excess pumping capacity and Mesa Water Reliability Facility (MWRWF) supply
- Mesa Water and HB jointly own imported water transmission mains



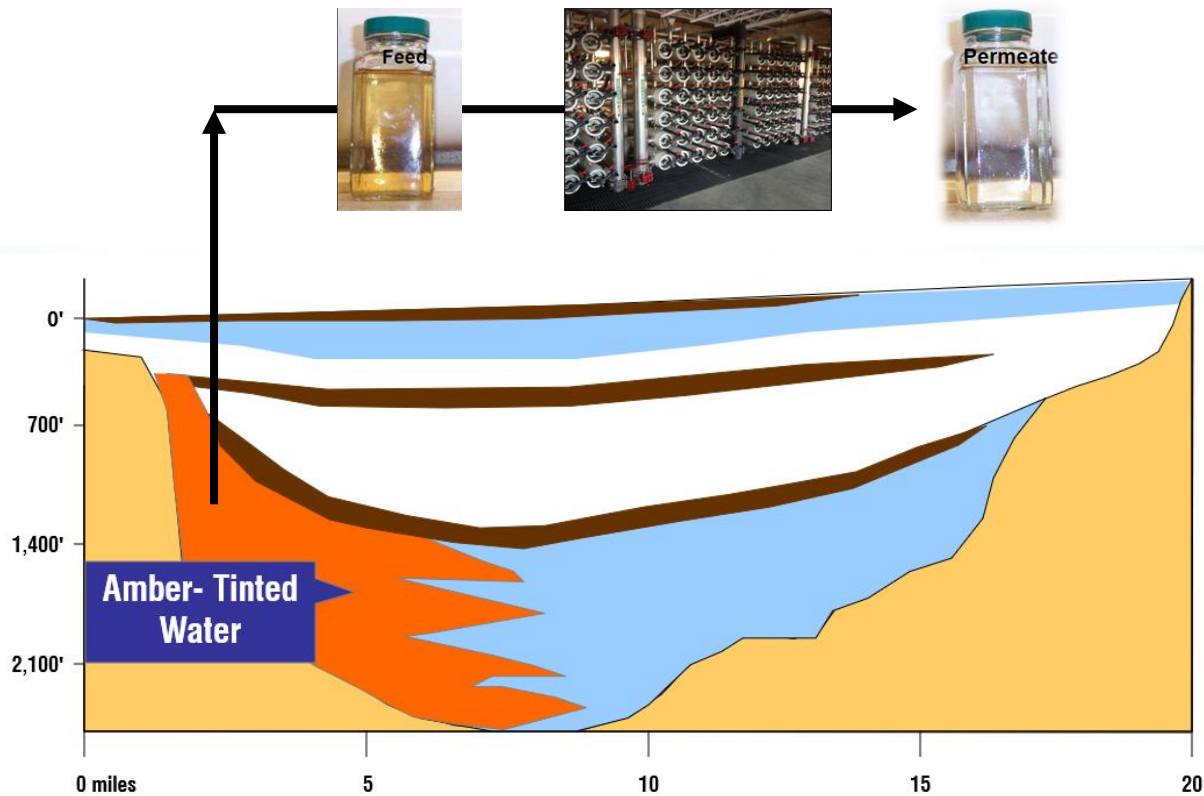
Groundwater Pumping and Cost



- Basin Pumping Percentage (BPP) Set by OCWD (85%)
- Replenishment Assessment (RA) paid for water up to BPP
- Basin Equity Assessment (BEA) is additional fee for pumping above BPP
- Imported water makes up balance of demand (~15%)
- ***Benefit from replacing expensive imported water***



MWRF Overview



- Amber tint from ancient redwood forest
- Amber water extracted and filtered with no BEA
- MWRF developed to extract and remove color from amber-tinted water

Huntington Beach Water Transfer Study



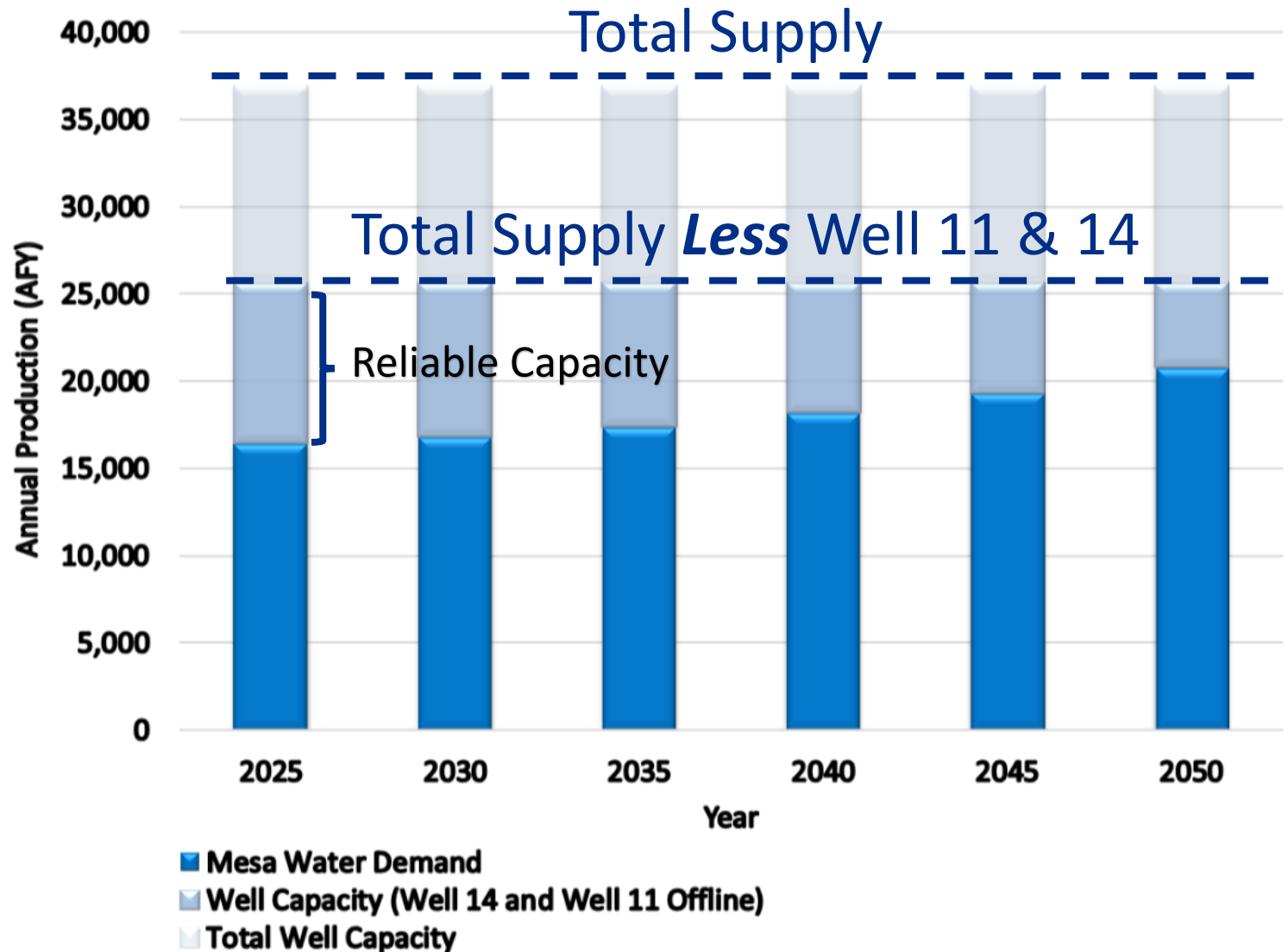
Project Objective

Evaluate feasibility of Mesa Water supplying available capacity to the City of Huntington Beach



Available Well Capacity

Available well capacity robust through 2050, even with largest production wells offline, ~10,000 AFY is reliably available

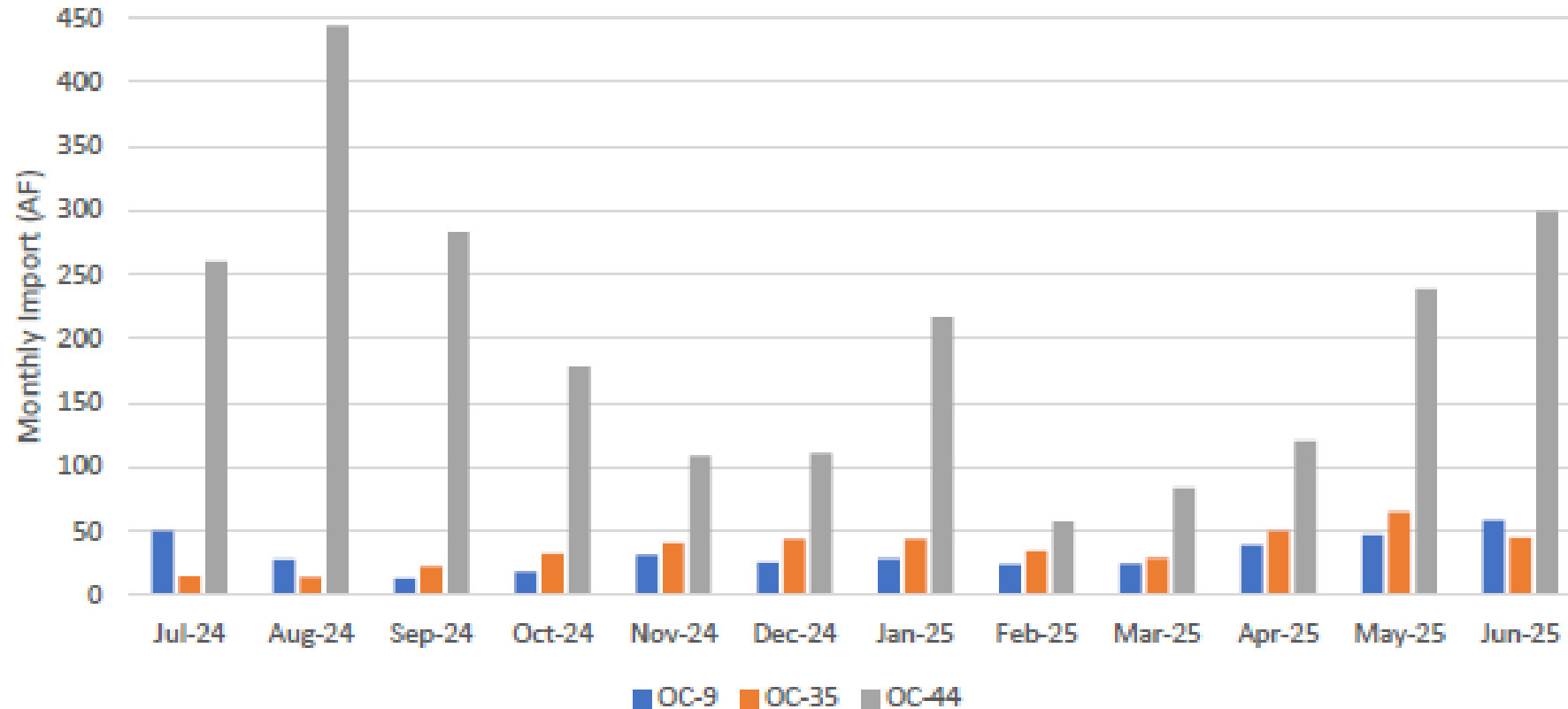


Huntington Beach Imported Water Demand

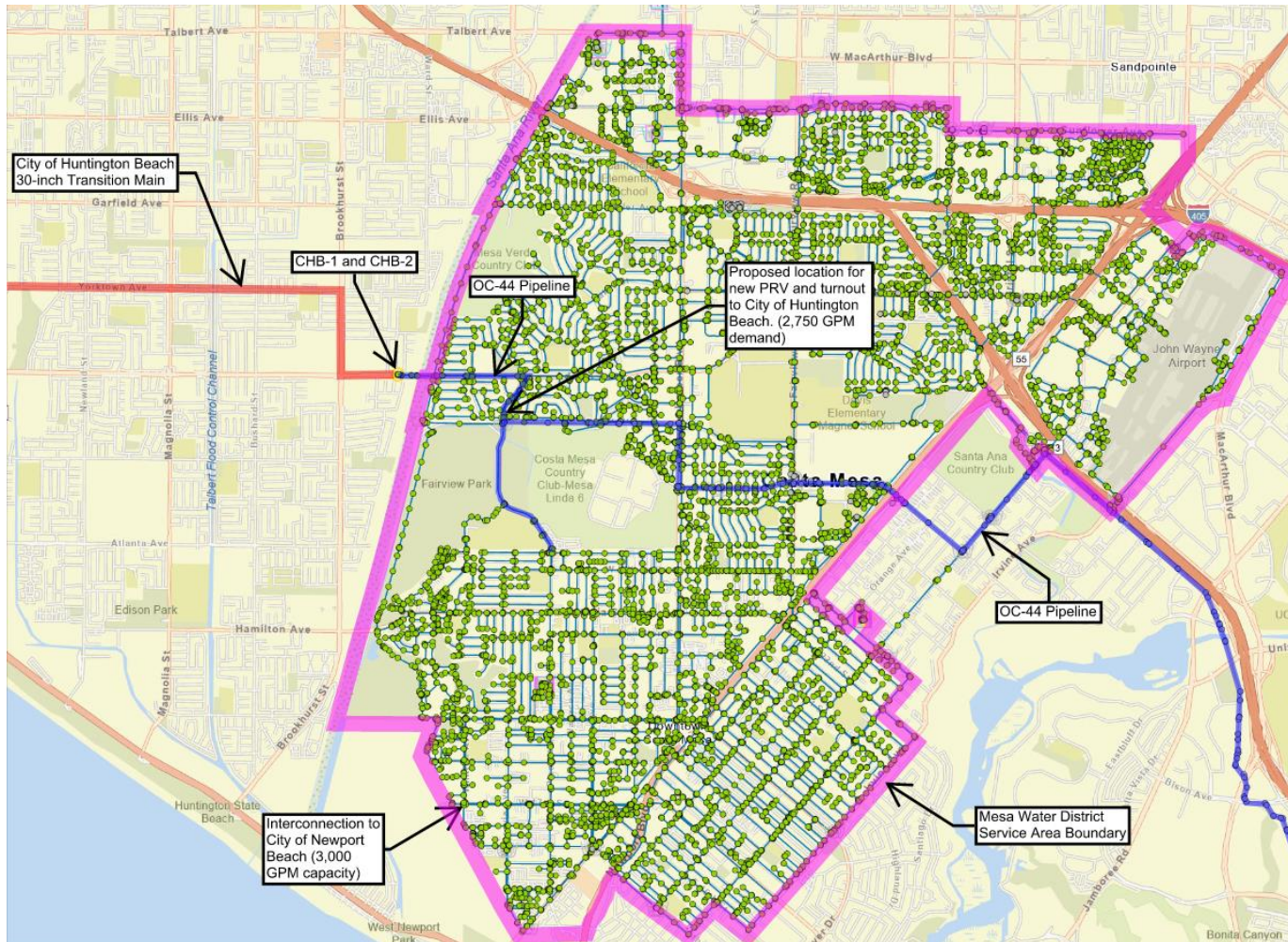
- Current imported demand **3,900** AFY
- Replacing Huntington Beach's imported water supply with *less expensive* MWRFF and/or clear well water presents the greatest financial benefit
- Assumes MWRFF or clear well water can be delivered without BEA



Majority of HB Import Water from OC-44



Interconnection Opportunities



- Utilize existing OC-44 infrastructure for conveyance
- Required Infrastructure:
 - Option 1 – PRV + Optional Low Head Pump Station (peak flow only)
 - Option 2 – High Head Pump Station
- \$2.5M Project Cost (Option 1 – no pump station)



Financial Analysis

1. 2,000 AFY Supply Scenario = **\$650k** in 1st Year Savings
2. Key Assumptions
 1. Offsetting imported water
 2. MWRf supply not subject to BEA
 3. 12% Wheeling
3. Savings increase with time



Study Conclusions

- **Substantial Available Capacity**
- **Low Capital Interconnection Potential**
- **Minimal Risks**
- **Financial Benefits for All Parties**



Next Steps

- **Huntington Beach/ Mesa Water Collaboration:** Confirm operational strategy and partnership structure with Huntington Beach
- **OCWD Coordination:** Confirm the conditions under which MWRF supply may be delivered to outside agencies while continuing to pay only the Replenishment Assessment
- **Capital Cost:** Refine hydraulic modeling and develop conceptual design/ cost estimate





Questions?



Thank you!