



Los Angeles
Department of
Water & Power

LADWP's Water Resources Management

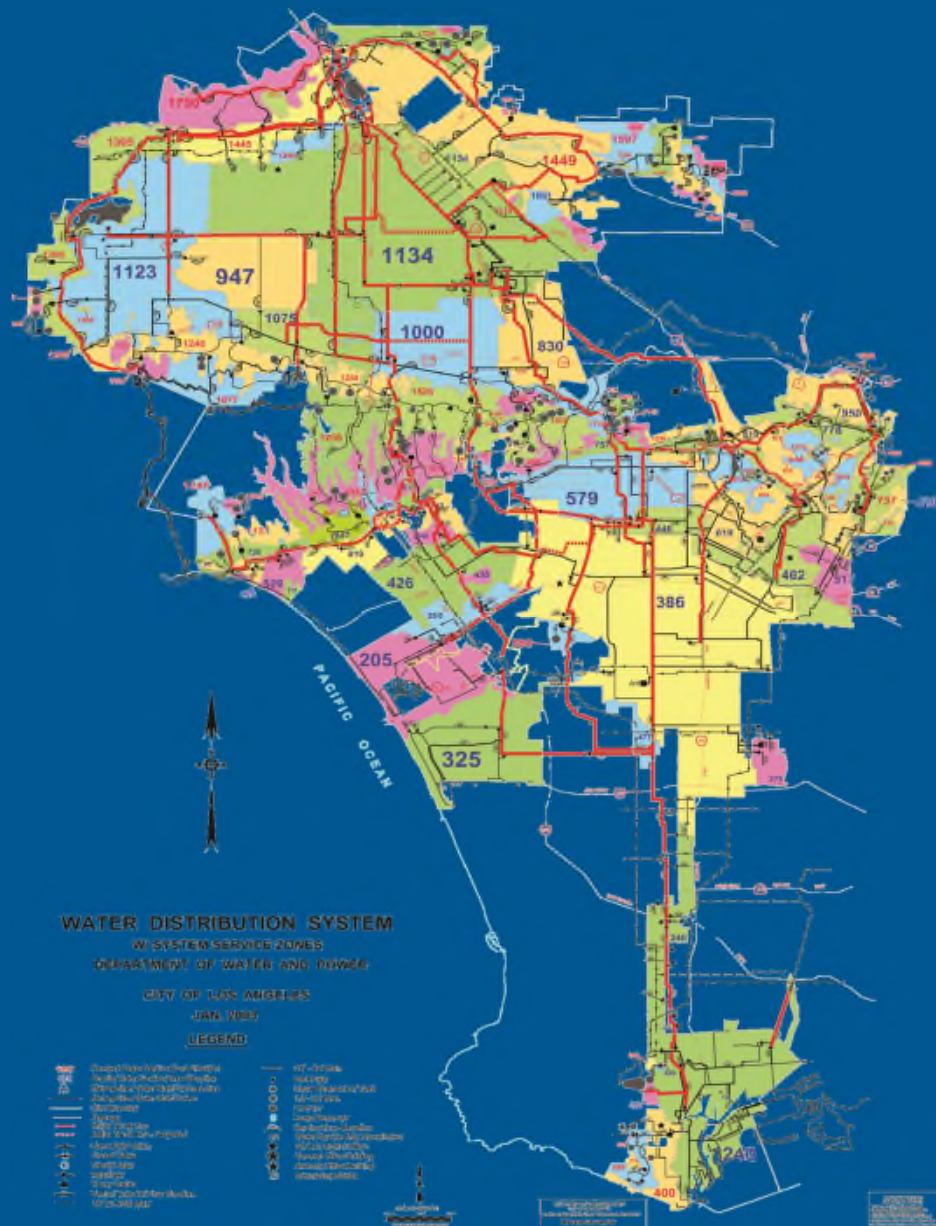
Reimagining the Cadillac Desert Best Best & Krieger LLP

September 15, 2016

David R. Pettijohn, P.E.
Director of Water Resources



LADWP Today



- Service area (469 square miles)
- Provide Water and Power to over 4 million people every day
- Over 429 million gallons of water delivered per day – 482,000 acre-feet per year



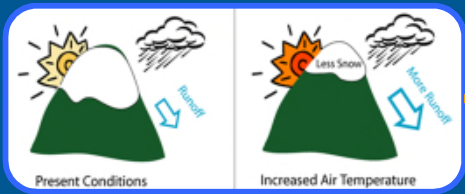
Sources of Water for Los Angeles





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Water Supply & Reliability Challenges



Climate Change



Seismic Risk to
Imported Supplies



Bay-Delta Uncertainty



Local Groundwater:
Contamination in the San Fernando Basin



Los Angeles Aqueduct:
*Supply reduction due to Owens
Lake dust mitigation*



Colorado River Aqueduct

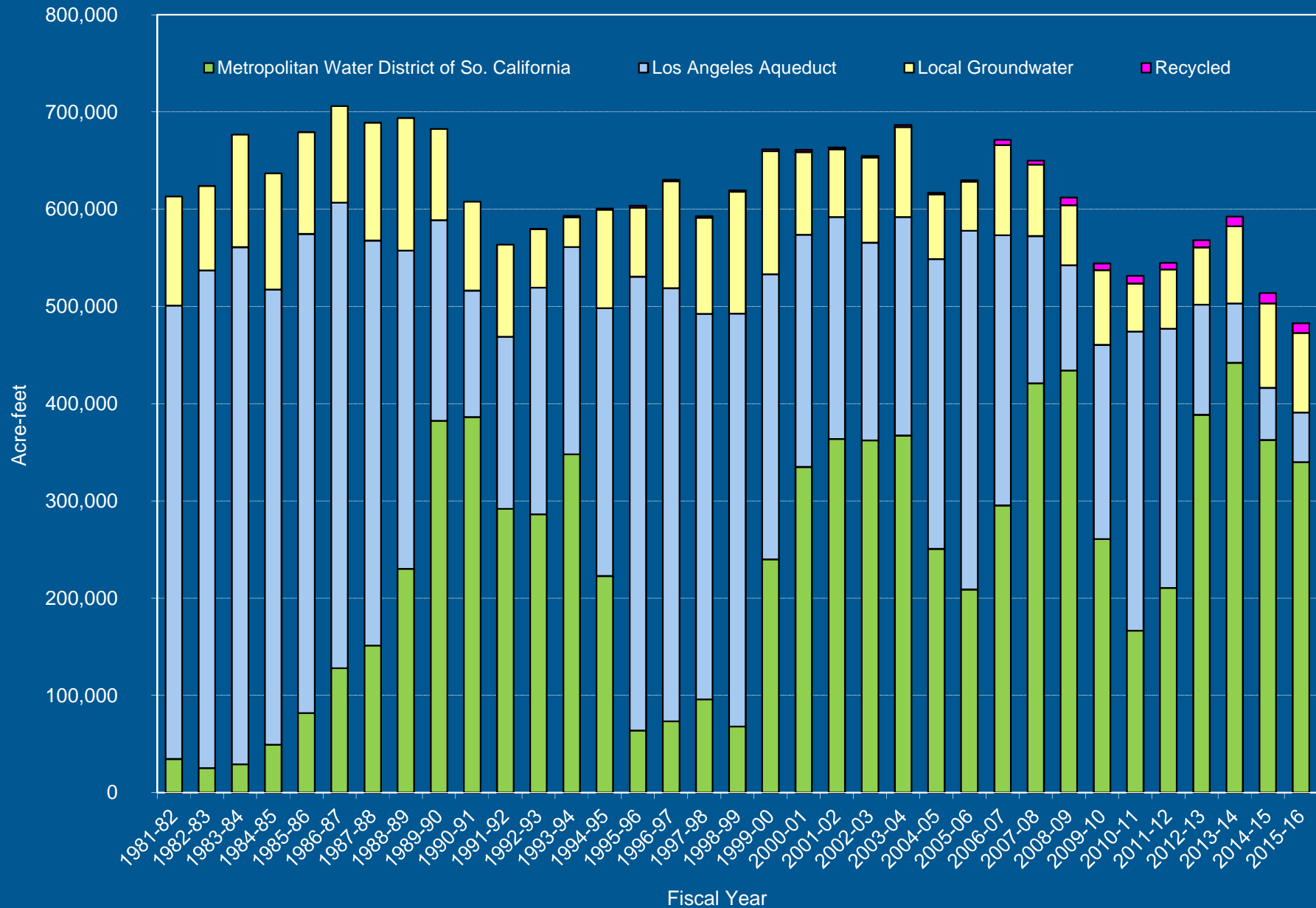


Rising MWD Water Costs



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Historical Water Supply for Los Angeles



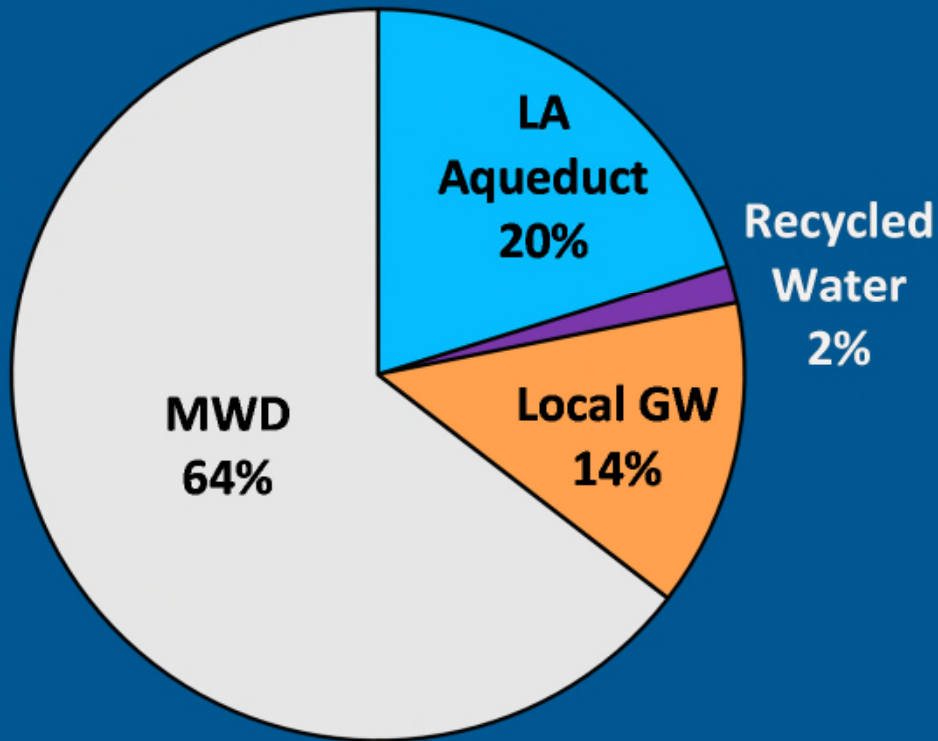


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Reliance on MWD in Dry Years

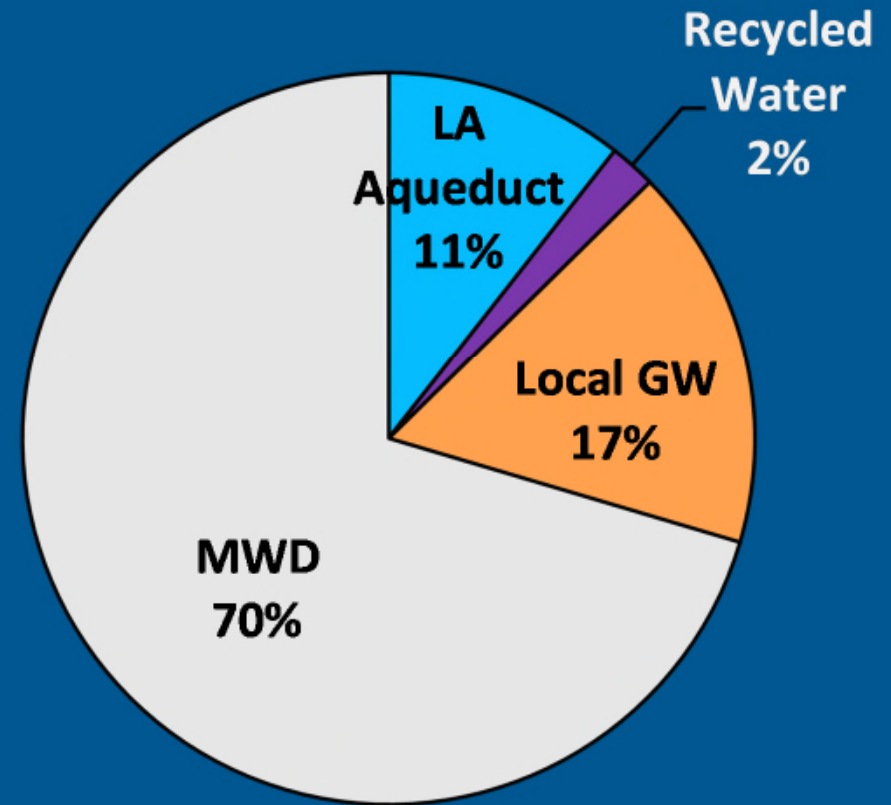
FYE 2012-16

Total Demand = 540,400 AF



FYE 2015-16

Total Demand = 482,000 AF





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Local and State Drought Responses

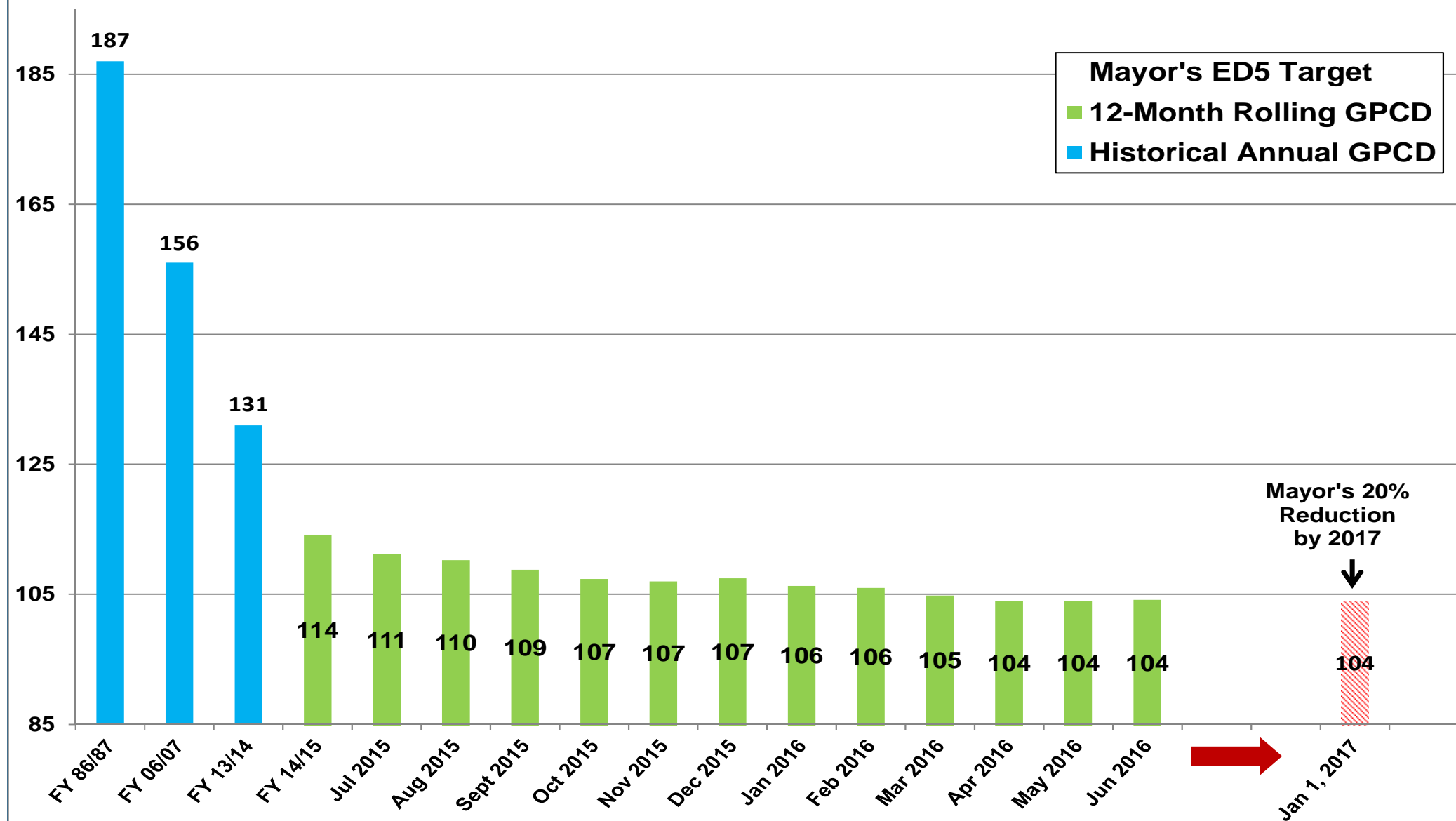
- **Mayor's Executive Directive Order #5**
 - Reduce GPCD 20% by 2017
- **LA's Sustainable City pLAn**
 - Reduce GPCD 20% (2017), 22.5% (2025), 25% (2035)
 - 50% Reduction of imported purchased by 2025
 - 50% of water locally sourced by 2035
- **Governor's Executive Order**
 - Mandates 25% Conservation Statewide
- **State Emergency Conservation Regulations**
 - Stress Test





Progress Tracking – Total gpcd

LADWP 12-Month Rolling Total GPCD





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Local Water Supply Program



Recycled Water



Stormwater Capture



Water Conservation



SF Groundwater Basin Remediation



Local Water Supply Reliability

One Water Approach

LADWP's coordination with:

- City's One Water LA 2040 Plan
- Public, Individual Stakeholders, and NGOs
- Integrated Regional Water Management Plan (IRWMP)
- Metropolitan Water District of Southern California (MWD)

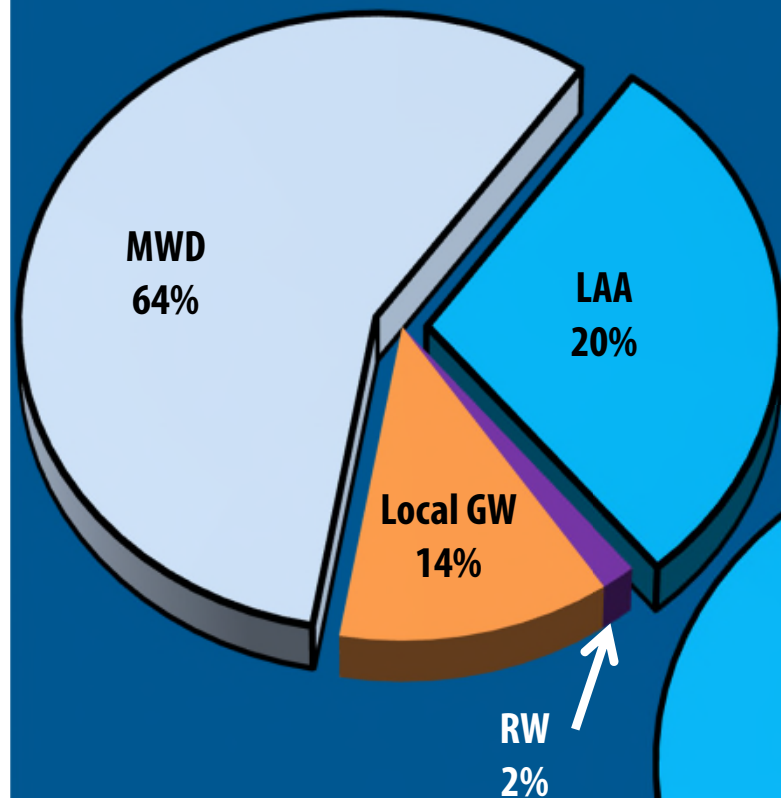




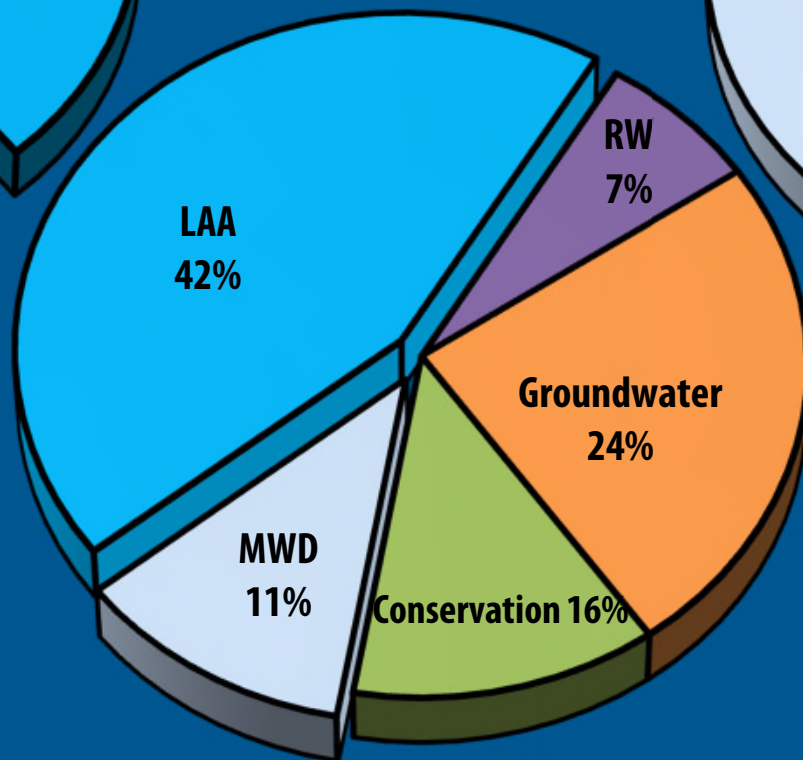
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Multiple Reliability Planning Scenarios

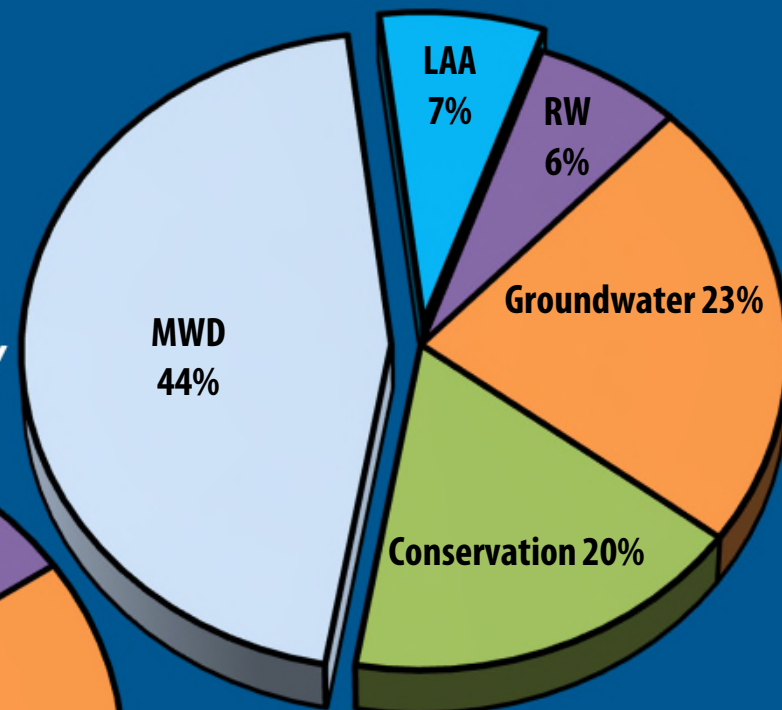
FYE 2012 - 16 Average
Total Demand: 540,400 AF



FYE 2039 - 40 Average
Total Demand: 675,700 AFY



FYE 2039 - 40 Single Dry
Total Production: 709,500 AFY



*Does not include 118,034 AF of
historical conservation



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Thank You

www.ladwp.com/UWMP

