



MAWAC-ENA WORKSHOP

Greater Los Angeles Mega-Region: Monograph update

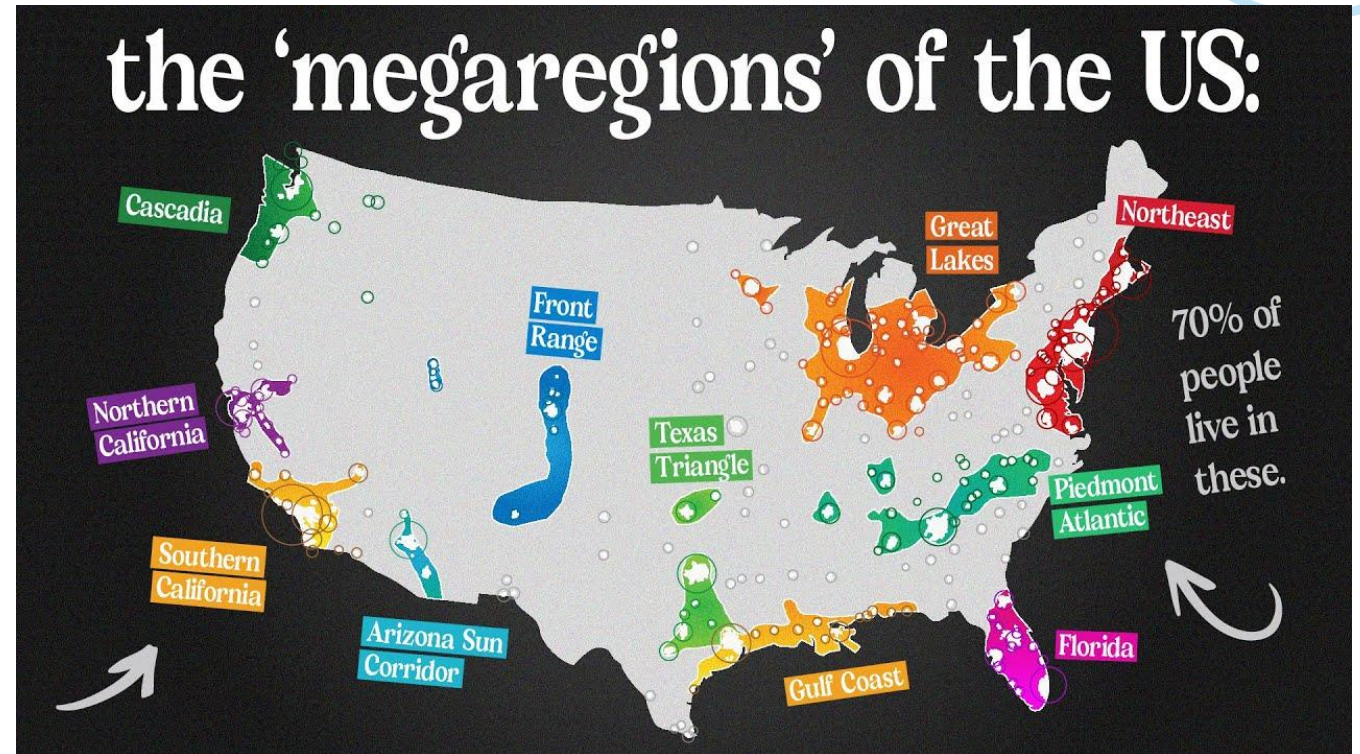
PARIS

November
2025



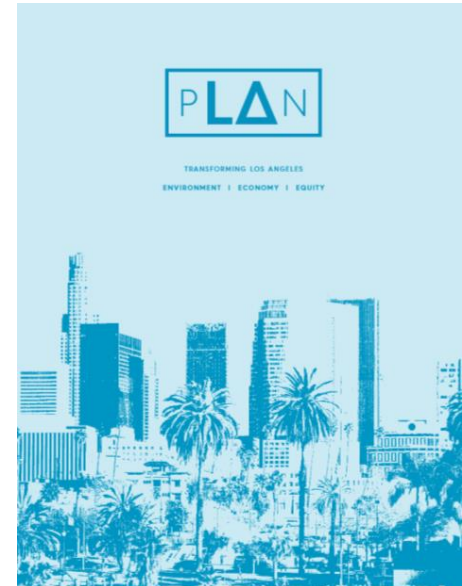
Overview

- 2015 Big Plans
- 2015 - 2025
 - More players
 - More plans
 - Planning is one thing; implementation is another
- Climate Change Impact Estimates
 - More frequent and drier dries, punctuated by deluge
 - Firestorms more likely than wet storms

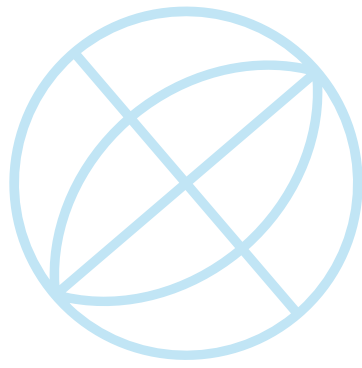


2015 Monograph

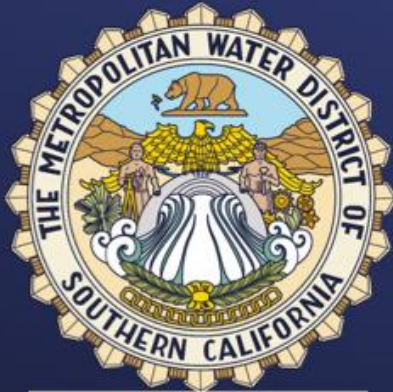
- City of Los Angeles: Adel Hagekhalil
- Original LA Green PLAN
- Mayor Eric Garcetti
- Goal:
 - Reduce dependence upon imported water by 50% by 2025
- Tools:
 - Increase conservation
 - Advance water recycling
 - Proposition O: \$500 million for multibenefit stormwater capture
 - Clean up contaminated groundwater basins



2015+ More players; more evolved and ambitious plans



Institutions



Greater ambition

- **City of Los Angeles:**

- Goal increased under Mayor Garcetti to 70% reliance on local water
- Goal of 100% recycling at City's largest wastewater treatment plant (230 MGD at Hyperion); Tillman Plant 40 MGD advanced treatment for groundwater recharge
- Participation in development of LA County measure to create \$290 million per year/stormwater capture program
- Development of large groundwater treatment facility (\$70m from state)
- Continuing emphasis on conservation, including being part of Metropolitan multimillion dollar turf rebate program

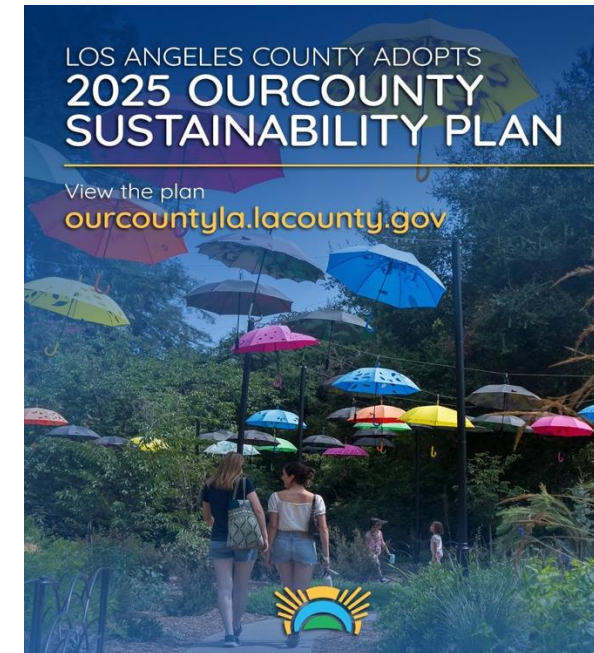
- **Los Angeles County:**

- County Water Plan enacted; multiple task forces
- Measure W developed and passes (Safe, Clean Water Program). Developed by broad coalition of business, equity, environmental, and local government)
- Updated Sustainability Plan that dovetails with Water Plan

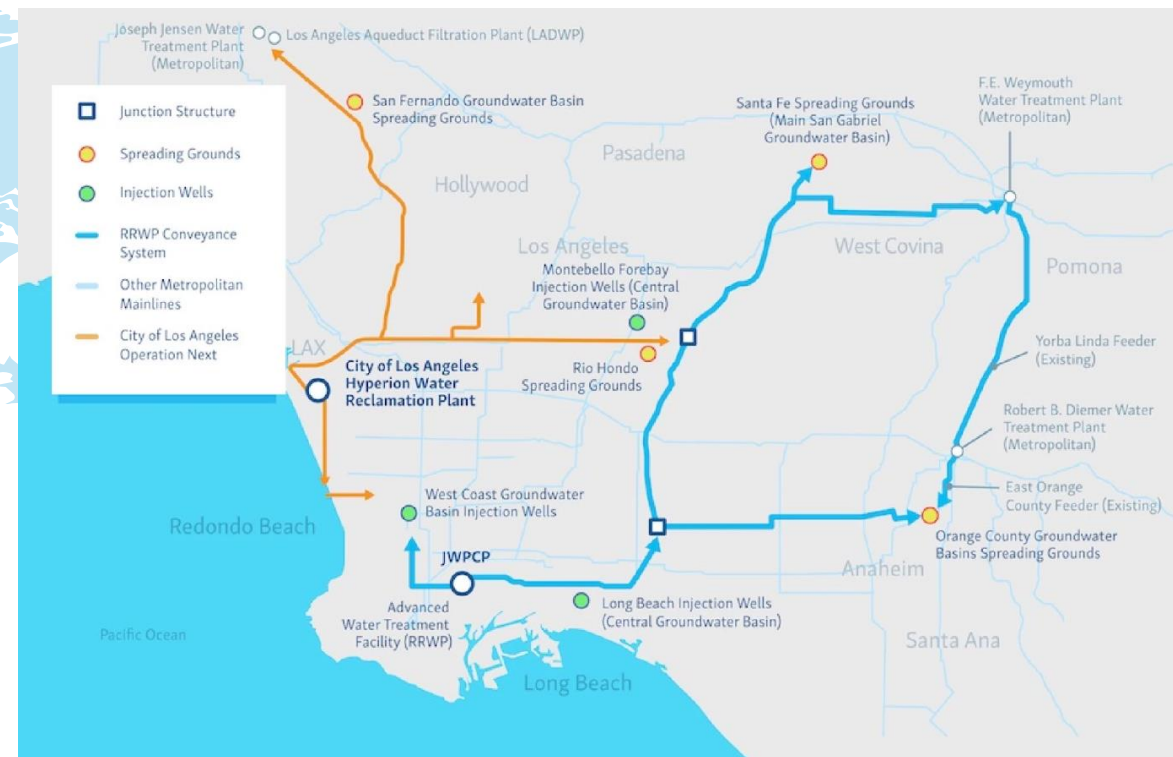
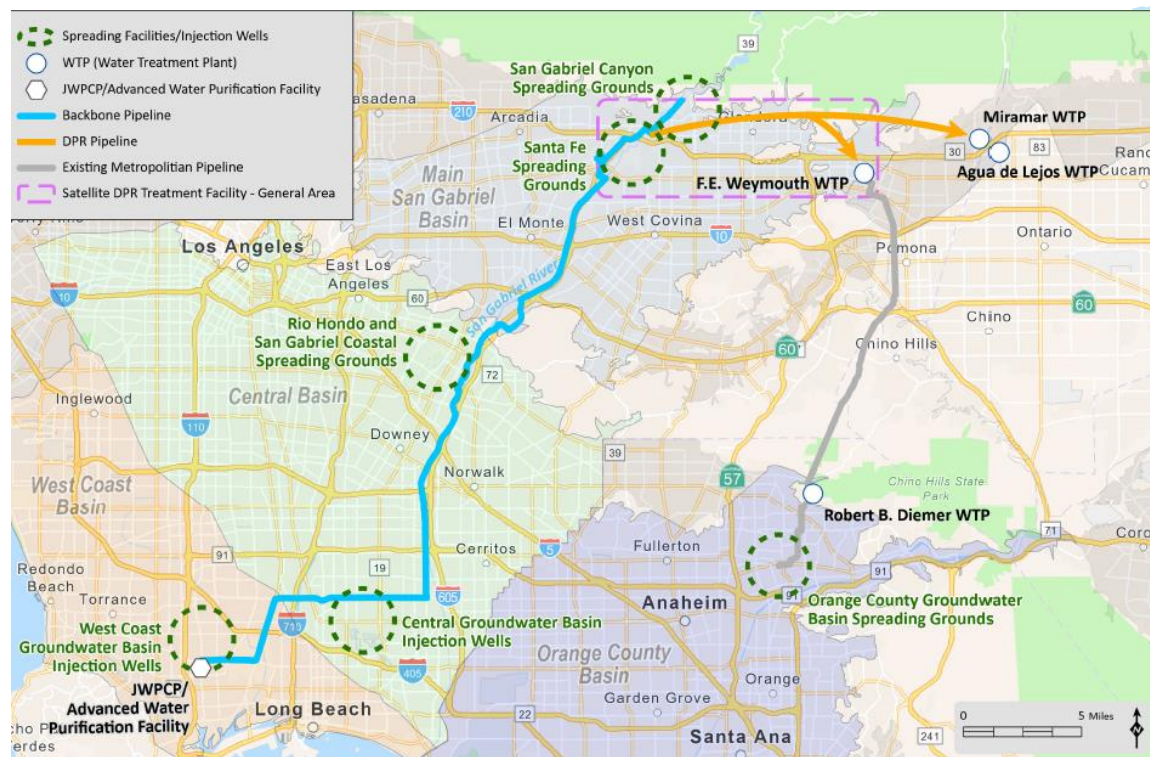


Greater ambition, con't

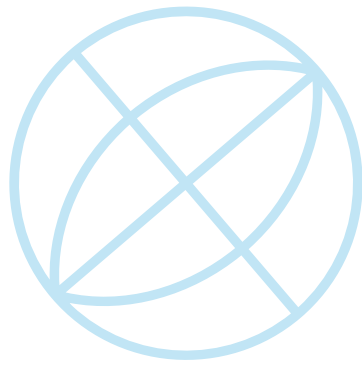
- **Metropolitan Water District of Southern California/LA County Sanitation Districts**
 - Progress on 150 MGD plan for Pure Water Southern California (joint)
 - AWPf demonstration center (Metropolitan)
 - Climate Adaptation Master Plan for Water approved (CAMP4Water)(huge/dynamic)
- **Los Angeles County:**
 - County Water Plan
 - Measure W developed and passes (Safe, Clean Water Program). Developed by broad coalition of business, equity, environmental, and local government)
 - Updated Countywide Sustainability Plan



Potential Full-Scale Program Integration...*locally*



Planning is one thing; Implementation is another....



- **City of Los Angeles**

- Resilience plan being developed to place Hyperion project in proper phasing in concert with conservation and stormwater capture
- Pure Water LA phasing being considered (Hyperion/buckets/need now vs. emergency expansion)
- Equity Plan being developed by UCLA
- Other coordination with Metropolitan for greater resilience

- **County of Los Angeles**

- Implementation of Measure W slow and challenging in part because of complexity
- Need for performance measures for prioritization/justification

- **Metropolitan/LA County Sanitation Districts**

- Lots of progress, but phasing and downscaling now an issue
- PEIR process underway
- Project not yet formally approved



Other

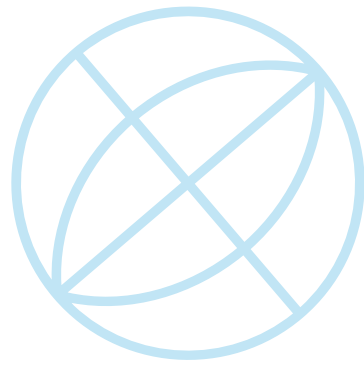
- Colorado River Drought continued another 10 years; now near “Deadpool” and loss of hydropower
- California drought continued and then hit another 2020-2024
- Record floods in between
- Now heat waves and firestorms consume people, property, and headlines
- Sea level rise bigger issue in Bay Area, but of concern in south too



Thank you

The best is yet to come!!!

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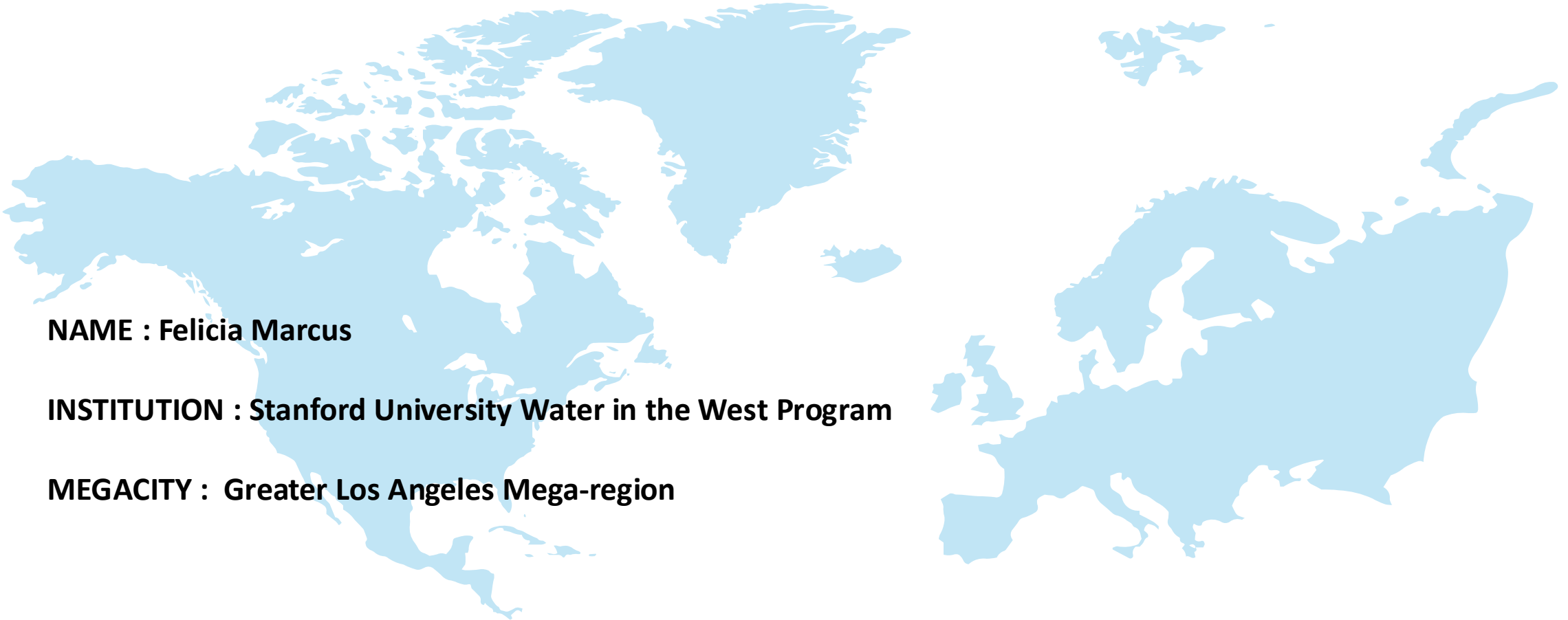


Thank you for your attention

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INSTITUTION : Stanford University Water in the West Program

MEGACITY : Greater Los Angeles Mega-region





Métropole
du Grand Paris



SEINE
GRANDS
LACS



AGENCE
eau
seine
NORMANDIE



Water Security Management
Assessment, Research & Technology

MAWAC- ENA PARIS 2025

