

SWRR

SAP

*Palo Alto*

*April 28, 2010*

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MWD 2060

# MWD 2060

As in the 50 years prior to 2009, MWD is providing reliable, high-quality water to its member agencies in communities throughout Southern California.

# MWD 2060

MWD is now a regional water and energy service providing “value added” to a wide range of local solutions.

# MWD 2060

MWD is providing “net carbon negative” water and energy through its renewable energy generation facilities and robust water portfolio.

# MWD 2060

MWD is widely credited for its leading role in restoring ecosystems and species throughout California.

# MWD 2060

Notwithstanding serious perturbations to infrastructure systems over the past half century, MWD has demonstrated the value of integrated systems and robust and resilient technology and management strategies.

MWD 2060

How did MWD do it?

MWD 1959

# The World in the 1950s

- World War II ended the decade before
- LA County is #1 ag county in the US
- GM is the model corporation in the world
- Cold War ramping up
- Burns-Porter Act passed in June, 1959

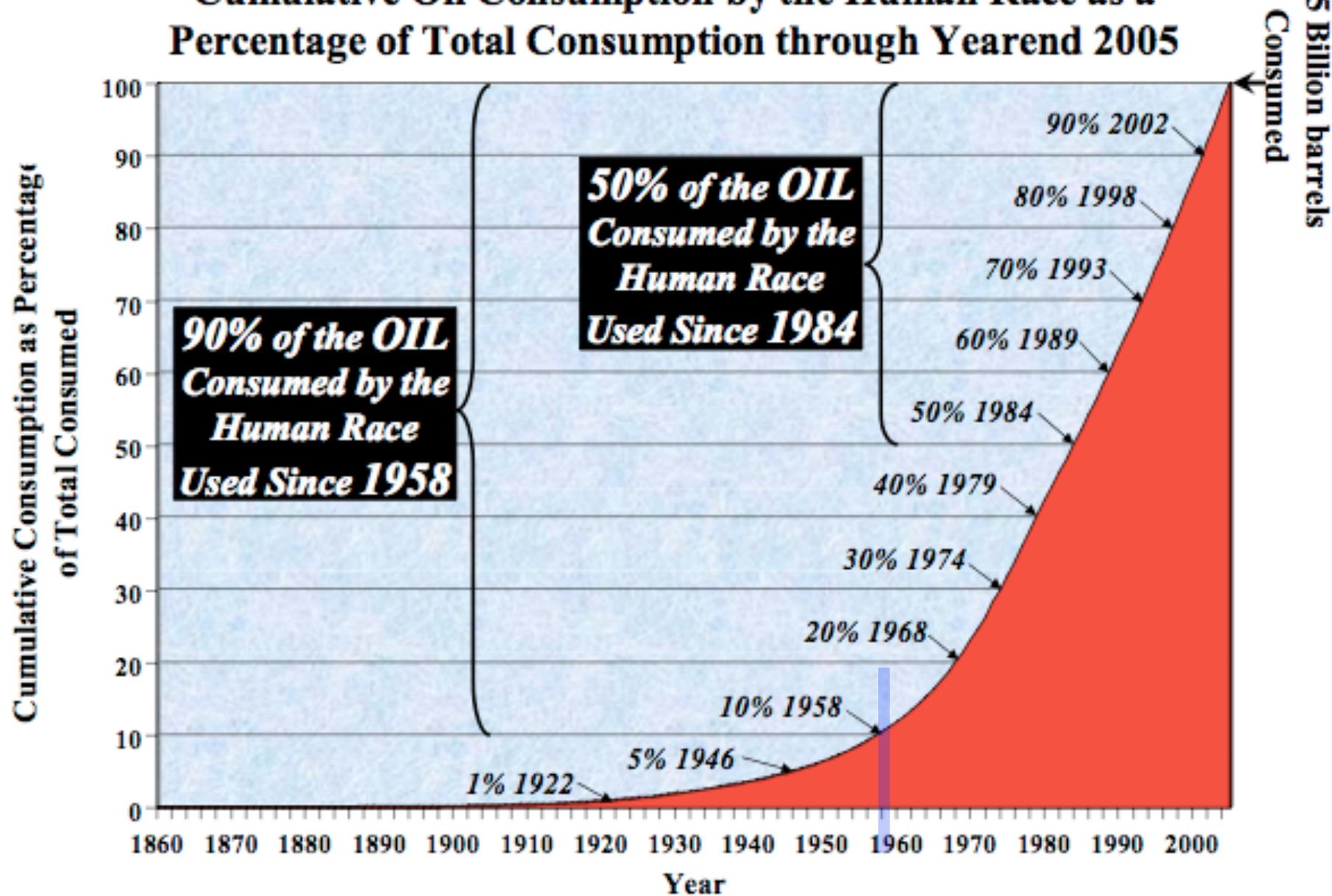
# The World in the 1950s

Oil is cheap,

and nuclear will be “too cheap to meter”

so, energy is not a major limiting factor.

# Cumulative Oil Consumption by the Human Race as a Percentage of Total Consumption through Yearend 2005



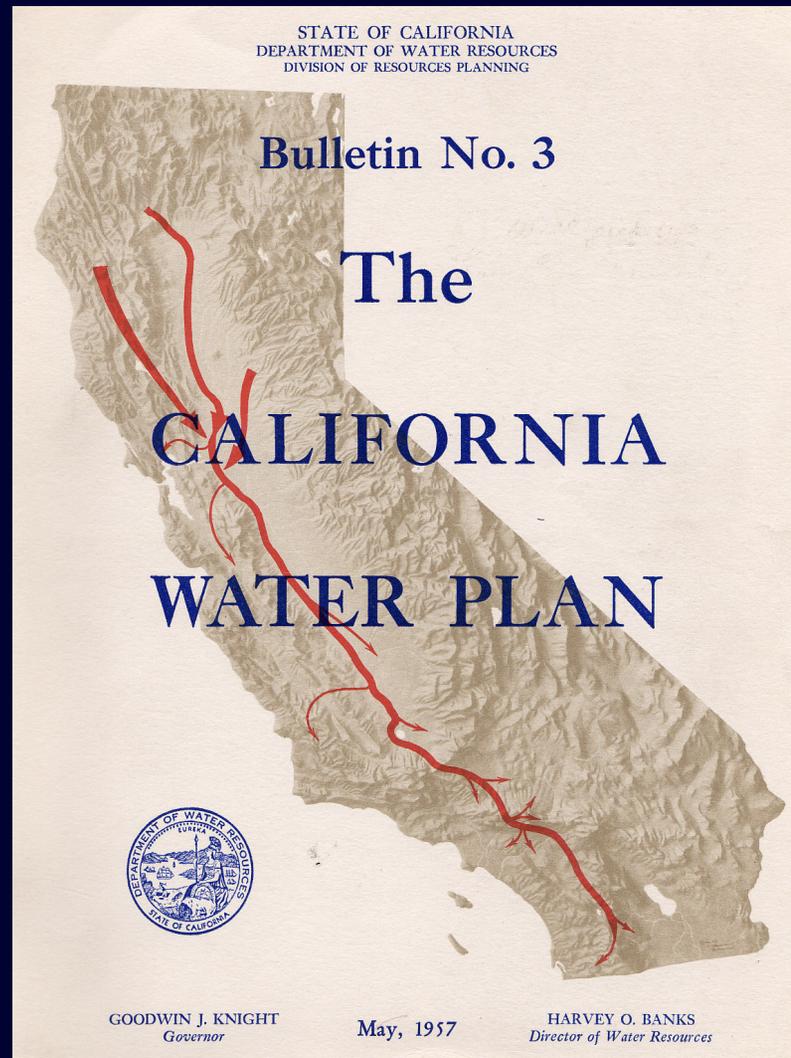
(Source of data: BP Statistical Review of World Energy, 2006)

# The World in the 1950s

Water policy is rather straightforward: when people want water, agencies like MWD go get it for them – at low cost, high quality, and high reliability.

Concept enshrined in MWD's "Laguna Declaration" in 1952.

# California's "First" Water Plan: 1957

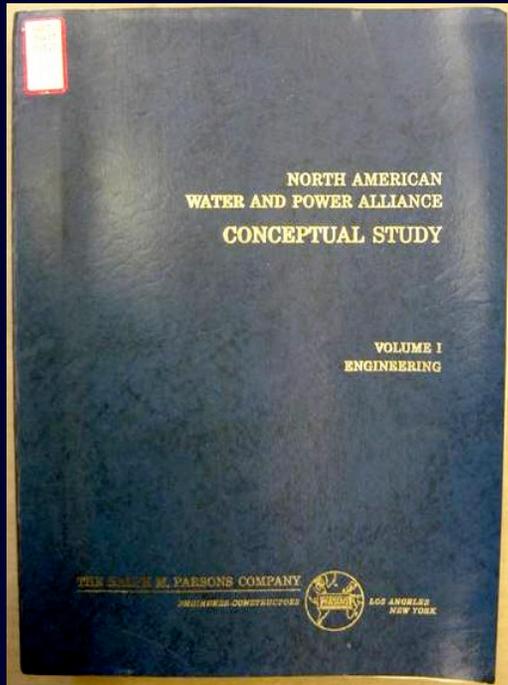


# Scheme

- Collection
- Transfer
- Distribution



# Water for 100 years



# Looking Ahead in the 1950s

- Man on the moon within a decade
- The Berlin Wall, and then the USSR itself, would fall in 30 years
- GM, the icon of US industry, would go bankrupt in 50 years
- China would own the largest share of US debt

MWD 2009

# Water Supply

Every major water supply system in California (and many other places) is over-allocated.



# Design for Flexibility

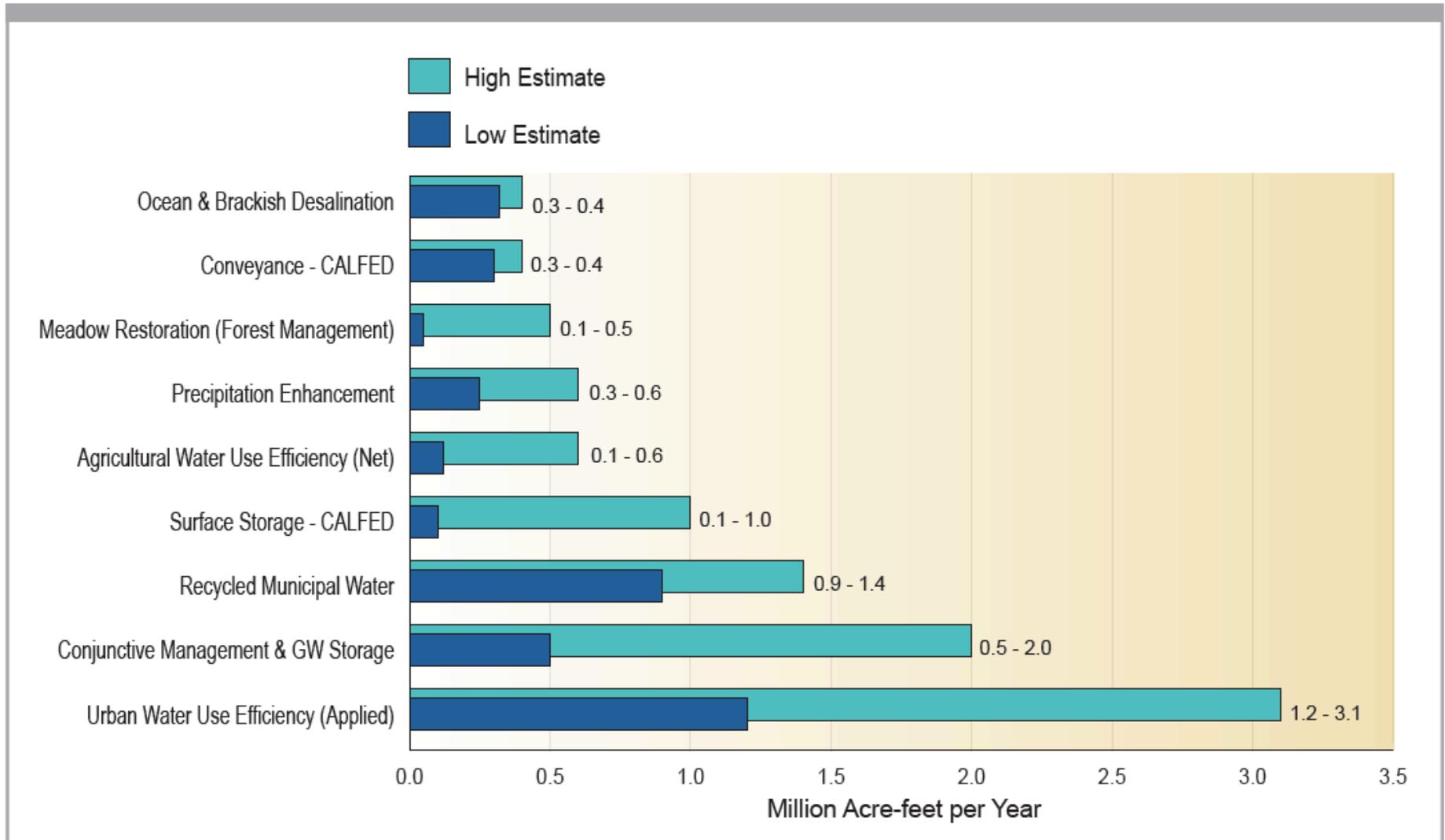
“Governments at all levels should reevaluate legal, technical, and economic procedures for managing water resources in the light of climate changes that are highly likely.”

Roger Revelle and Paul Waggoner

*Climate Change and U.S. Water Resources, 1990*

# Water Supply Sources to 2030: DWR B-160 09

## Resource Management Strategies



# Primary Water Sources in South Coast

