



WATER  **TOMORROW**
Integrated Water Resources Plan

Overview of the Integrated Water Resources Plan Update

Southern California Water Dialogue
September 23, 2015

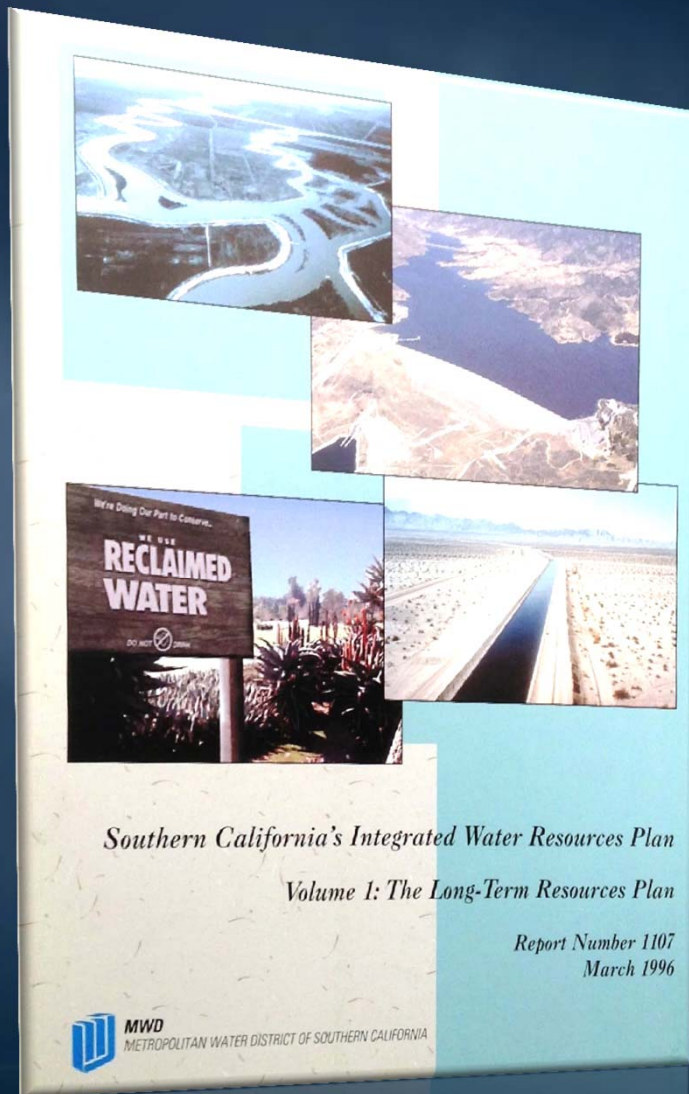
IRP Background



IRP Background

- What is the Integrated Water Resources Plan?
 - A comprehensive long-term strategy to identify potential resource development needs, adaptation measures, and implementation pathways
- IRP Objectives
 - Ensure reliability
 - Ensure affordability
 - Ensure water quality
 - Maintain diversity and flexibility
 - Acknowledge constraints

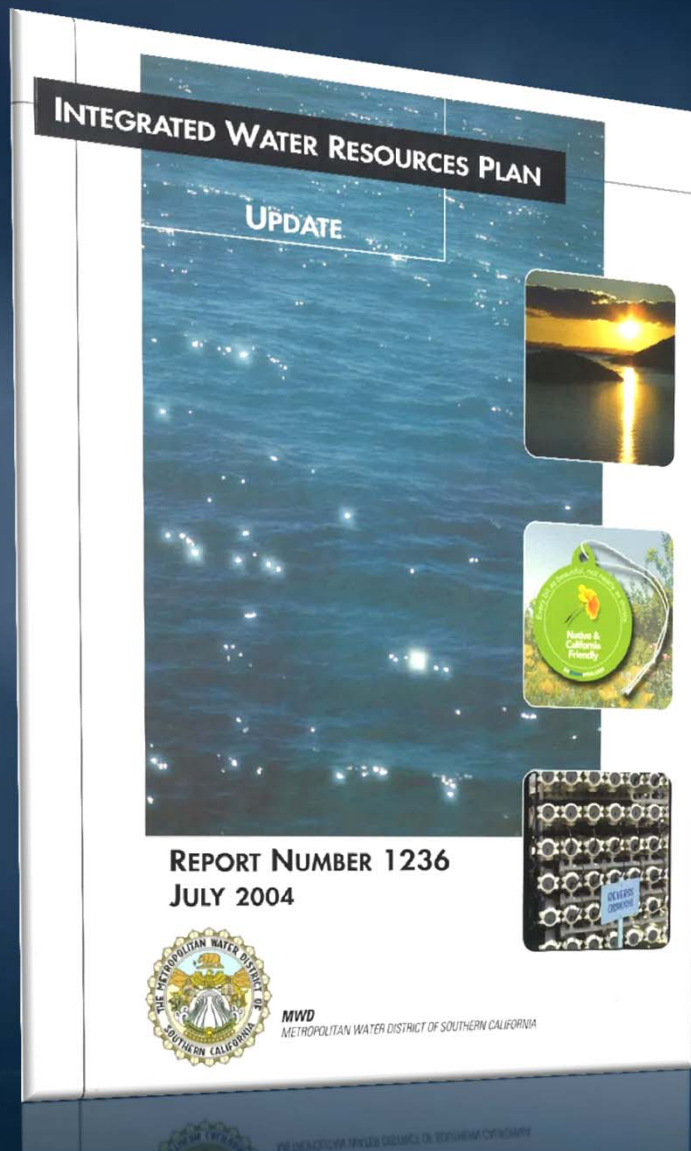
IRP History: 1996



- Established MWD's role as a regional water planner
- Introduced a diversified portfolio approach
- Established targets for major resource categories
- Established regional reliability goal:

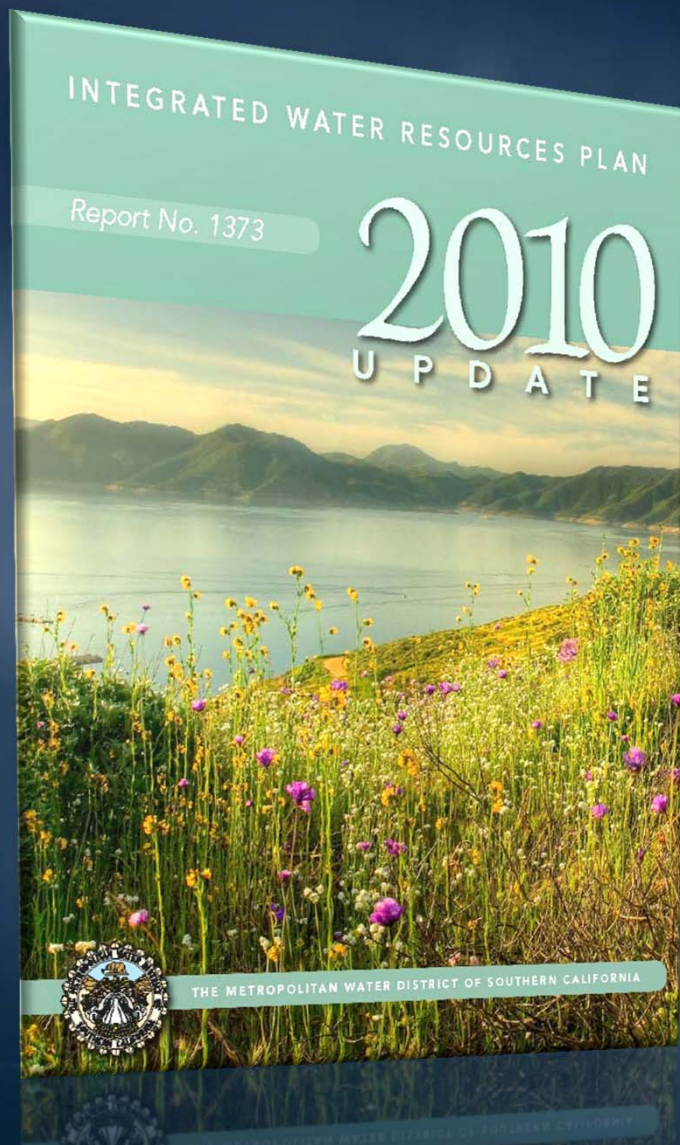
“Full-service demands at the retail level would be satisfied under all foreseeable hydrologic conditions”

IRP History: 2004 Update



- Placed further emphasis on conservation and local resources development
- Introduced the concept of a “planning buffer”

IRP History: 2010 Update



- Introduced an adaptive management approach
- Sought to stabilize imported supplies and meet growth through water use efficiency and local resources

The Adaptive Management Approach

Core Resource Strategy

Reliability Under Planned Conditions
(e.g. Historical weather)

Supply Buffer

Adapt to Shorter-Term Uncertainty
(Outside of planned conditions)

Foundational Actions

Preparation for Long-Term Change
(Climate Change, Supply Loss, Demands)

Key Drivers for the 2015 Update

- Incorporate changed conditions impacting supplies and demands
- Respond to new challenges
- Refine long-term storage management strategy
- Overcome barriers to implementation
- Come to agreement on consistent/standard terms and definitions

Update Process

- Technical update (2015)
 - People, economy, water demands
 - Climate change, hydrologic scenarios
 - Water supplies from existing and new projects
 - Reliability analysis
 - Setting resource and conservation targets
- Implementation policy issues (2016)
 - How might we reach the resource targets?

2015 IRP Technical Update Goals

- Review and update IRP resource targets
- Assess strategy for managing short and long term uncertainty
 - Core Resources Strategy
 - Supply Buffer
 - Foundational Actions
- Review IRP resource issue papers
- Communicate technical findings and identify policy needs for Board policy discussions

Summary

- The IRP represents Metropolitan's long-term plan to assure adequate water supplies for Southern California
- The IRP sets water resource targets to help meet the region's needs over the next several decades
- These targets will help guide policy discussion and investment decisions for imported and local water supplies as well as demand management through conservation

