



10. COORDINATION WITH LOCAL/REGIONAL PLANS

10.1 COORDINATION WITH LAND USE AGENCIES

The IRWM planning process involves a broad stakeholder group that includes representatives from each of the local agencies with land use authority. This level of involvement ensures coordination with local land use planning agencies so that the planning efforts maximize the potential benefits for both land use and water resource management. Specifically, land use agency participation occurs through the following stakeholder committees:

- The Newport Bay Watershed Executive Committee provides policy oversight for the IRWMP. It includes elected officials, appointed staff, or executive-level managers representing the Cities of Costa Mesa, Irvine, Lake Forest, Newport Beach, Santa Ana, and Tustin; and the County of Orange; and executives representing IRWD, Irvine Company CDFG, and the Santa Ana Regional Water Board.
- The Newport Bay Watershed Management Committee develops regional objectives, assesses strategies, and identifies projects and implementation approaches to achieve the objectives and, therefore, provides direct coordination on land use issues. It includes staff representatives from the Newport Bay Watershed Executive Committee plus additional members who are appointed by the executive committee. Members with local land use authority include the Cities of Costa Mesa, Irvine, Lake Forest, Newport Beach, Santa Ana, Tustin; and the County of Orange.

10.2 LOCAL PLANNING AND WATER MANAGEMENT STRATEGIES

To minimize the potential for conflicts and to ensure full implementation of the IRWMP, the goals and policies within the planning documents adopted by local agencies with land use and water resource management authority have been incorporated into the IRWMP. This planning approach is fundamental to the IRWMP as it builds off the extensive planning efforts and studies that have been conducted within the Newport Bay and Newport Coast Watersheds, many of which have been used to formulate goals and policies within individual agency plans. The IRWMP objectives, strategies, and projects will improve watershed conditions related to water quality, habitat protection, ecosystem restoration, and local water supply reliability, consistent with the goals and policies in local adopted plans.

10.3 CONSISTENCY WITH LOCAL PLANNING

This IRWMP is consistent with the policies in the following general and specific local land use plans that provide for appropriate land uses, water and wastewater

services, flood protection, recreation, water quality, and protection of natural resources:

- City of Costa Mesa General Plan: Land Use, Conservation, Open Space, and Recreation elements
- City of Irvine General Plan: Land Use, Parks and Recreation, Conservation, and Open Space elements and Great Park Preliminary Master Plan
- City of Lake Forest General Plan: Land Use, Recreation and Resources, and Public Facilities/Growth Management elements
- City of Newport Beach General Plan: Land Use, Harbor and Bay, Recreation, and Natural Resources elements and Local Coastal Program
- City of Santa Ana General Plan
- City of Tustin General Plan: Land Use, and, Conservation/Open Space/Recreation elements
- City of Tustin: MCAS-Tustin-Specific Plan
- County of Orange General Plan

The IRWMP is also consistent with adopted plans for local agencies with water resource management responsibilities, such as drinking water supply, wastewater treatment, flood control, water quality, and stormwater management. The IRWMP supports the policies and recommendations of these adopted plans to ensure reliable water supplies, water quality, and protection of life and property:

- Urban water management plans (for reliable water supplies): IRWD, City of Newport Beach, Mesa Consolidated Water District, City of Santa Ana, City of Tustin, ETWD, Golden State Water Company, EOCWD, and MWDOC
- Sewer system management plans (to avoid water quality impacts): IRWD, OCSD, Costa Mesa Sanitary District, City of Newport Beach, City of Orange, City of Santa Ana, and ETWD
- Master plans for water, wastewater, recycled water, and natural treatment systems
- Drainage area management plan (for stormwater protection)

The IRWMP is also consistent with adopted local plans for habitat protection and enhancement to ensure that no regulatory conflicts arise:

- Central/Coastal NCCP/HCP

Land use data have assisted in regional projections of water demands, water use classifications, infrastructure master planning, and reliability planning for the future as well as the identification of appropriate locations for water quality projects and habitat protection.

Many existing plans and studies, including master plans, facility plans, watershed management plans, studies of recycled water, feasibility studies, and long-range plans, contain proposed projects that are instrumental in meeting the goals and objectives of the region. Many projects in local and regional plans and studies have been incorporated into the IRWMP and will continue to be implemented in coordination with those plans. Table 10.1 lists a number of the plans and studies that were used to form the framework for the IRWMP objectives and to identify strategies and projects to achieve those objectives.

Within the central Orange County region, the nexus between land use decisions, water resource management, and coastal zone impacts has been firmly established through a number of studies conducted within the watersheds. As a result, the dynamic relationship between water management strategies and local agency planning documents benefits the IRWM planning process. Incorporating the use of a broad range of strategies increases the benefits and minimizes the potential for conflicts with local adopted plans. For example, a number of strategies may be appropriate for certain areas or project types as they directly support the policies and goals of the planning documents. However, in some cases, a particular strategy may not be appropriate due to local land use or water resource plans. A combination of strategies that would improve water quality and create or restore habitat would be appropriate within an open-space area identified within a land use plan, whereas it would not be suitable for an area designated as high-density residential. Projects that create wetlands for water quality improvements and stormwater management are appropriate in areas where the facilities can be managed and will not result in a public safety issue. Table 10.1 provides examples of the relationships between water management strategies and local agency plans.

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Table 10.1 Existing Local and Regional Plans, Documents, and Programs			
Agency	Document Title	Author	Date
City of Costa Mesa	Capital Improvement Project	City of Costa Mesa	2010-2011
City of Irvine	Capital Improvement Program	City of Irvine	2011
City of Irvine	General Plan	City of Irvine	June 2006
City of Irvine (internal document)	Sustainable Travelways "Green Streets" Administrative Guidelines for the Great Park	Fusco Engineering	May 2006
City of Lake Forest	Capital Improvement Projects Budget	City of Lake Forest	July 2011
City of Lake Forest	General Plan	City of Lake Forest	March 2011
City of Lake Forest	Opportunities Study Program Final Environmental Impact Report	City of Lake Forest	June 2008
City of Laguna Hills	Capital Improvement Plan	City of Laguna Hills	June 2011
City of Newport Beach	Urban Water Management Plan, 2010	Malcolm Pirnie, Inc.	May 2005
City of Newport Beach	General Plan	City of Newport Beach	November 2006
City of Newport Beach	Capital Improvement Program 2011-12	City of Newport Beach	May 2011
City of Orange	General Plan	Orange County	2010
City of Orange	Capital Improvement Program	Orange County	August 2010
City of Santa Ana	Urban Water Management Plan, 2005	Psomas	November 2005
City of Tustin	General Plan	City of Tustin	June 2008
City of Tustin	Urban Water Management Plan, 2010	Malcolm Pirnie, Inc.	May 2010
City of Tustin	Capital Improvement Program	City of Tustin	2010-2011
City of Tustin	MCAS-Tustin Specific Plan	City of Tustin	

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Table 10.1 (Continued)			
Existing Local and Regional Plans, Documents, and Programs			
Agency	Document Title	Author	Date
County of Orange	Capital Improvements	County of Orange	February 2011
County of Orange	Upper Newport Bay/San Diego Creek Watershed Sediment TMDL, Annual Report 2008–2009		February 2010
County of Orange	Nitrogen and Selenium Management Program Work Plan	Nitrogen and Selenium Management Program Working Group	June 2005
County of Orange	Drainage Area Management Plan (DAMP)	Co-permittees	2003
County of Orange /all cities	Local Implementation Plan/Jurisdictional Urban Runoff Management Plan	Co-permittees	Annually
County of Orange	Natural Community Conservation Plan	County of Orange	July 1996
County of Orange	Newport Bay/San Diego Creek Watershed, Reconnaissance Study, Project Study Plan, Final Draft	U.S. Army Corps of Engineers	August 1998
County of Orange	Newport Bay/San Diego Creek Watershed Management Plan	U.S. Army Corps of Engineers	November 2005
County of Orange	Serrano Creek Reconnaissance Study 905b	U.S. Army Corps of Engineers	January 2004
County of Orange	Special Area Management Plan, San Diego Creek Watershed	U.S. Army Corps of Engineers	2008
East Orange County Water District	Urban Water Management Plan, 2010	Malcolm Pirnie, Inc.	2010
El Toro Water District	Urban Water Management Plan, 2010	Malcolm Pirnie, Inc.	2010

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Table 10.1 (Continued)			
Existing Local and Regional Plans, Documents, and Programs			
Agency	Document Title	Author	Date
Irvine Ranch Water District	Urban Water Management Plan, 2010	Malcolm Pirnie, Inc.	June 2011
Irvine Ranch Water District	Water Resources Master Plan	Irvine Ranch Water District	1999
Irvine Ranch Water District	San Diego Creek Watershed Natural Treatment System Master Plan	GeoSyntec Consultants	June 2005
Irvine Ranch Water District	Cienega Filtration Project Field Demonstration, Preliminary Design Report	GeoSyntec Consultants	October 2006
Irvine Ranch Water District	Results of the Pre-Design Optimization Study Supporting the Cienega Filtration Project	GeoSyntec Consultants	January 2006
Irvine Ranch Water District	Wetlands Selenium Mesocosm Pilot Study	GeoSyntec Consultants	April 2003
Irvine Ranch Water District	Selenium Pilot Study Column Test Results	GeoSyntec Consultants	November 2005
Mesa Consolidated Water District	Urban Water Management Plan, 2010	Mesa Consolidated Water District	May 2011
Mesa Consolidated Water District	Capital Improvement Program	Mesa Consolidated Water District	October 2011
Moulton Niguel Water District	ETWD, IRWD, and MNWD Recycled Water Project Study Draft	Tetra Tech	February 2006
Municipal Water District of Orange County	Urban Water Management Plan Update, 2010	Malcolm Pirnie, Inc.	June 2011
Municipal Water District of Orange County	Determining the Value of Water Supply Reliability	Orange County Business Council	September 2003
Orange County Water District	Groundwater Management Plan	Orange County Water District	2009
Santa Ana Regional Water Quality Control Board	Watershed Management Initiative Chapter	Santa Ana Regional Water Quality Control Board	November 2006

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Table 10.1 (Continued)			
Existing Local and Regional Plans, Documents, and Programs			
Agency	Document Title	Author	Date
Santa Ana Regional Water Quality Control Board	Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin	Santa Ana Regional Water Quality Control Board	February 2008
Santa Ana Regional Water Quality Control Board	TMDL for Organochlorine Compounds	Kathy L. Rose, Ph.D.	September 2007
Santa Ana Watershed Project Authority	One Water One Watershed (OWOW) 2009 Santa Ana Integrated Watershed Plan	Santa Ana Watershed Project Authority	November 2010

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Table 10.2 Water Management Strategies Incorporated into Local Agency Plans							
Local Agency Plans							
Water Management Strategy	General Plans	Urban Water Mgt. Plans	Water Master Plans	Wastewater Master Plans	Recycled Water Plans	NCCP/HCP	Other Resource Plans
Ecosystem restoration	•				•	•	•
Habitat protection	•				•	•	•
Flood management	•	•	•		•	•	•
Groundwater management	•						•
Recreation/public access	•					•	•
Stormwater management	•					•	•
Water conservation	•	•	•	•	•		•
Water quality protection	•	•	•		•	•	•
Water recycling	•	•	•	•	•		•
Wetlands enhancement/creation	•				•	•	•
Conjunctive use		•	•		•	•	•
Desalination		•	•				
Imported water	•	•	•		•		
Land use planning	•	•	•	•	•	•	•

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Water Management Strategy	General Plans	Urban Water Mgt. Plans	Water Master Plans	Wastewater Master Plans	Recycled Water Plans	NCCP/HCP	Other Resource Plans
Nonpoint source pollution control	•					•	•
Surface Water storage	•	•	•		•	•	•
Watershed planning	•	•	•	•	•	•	•
Water/waste-water treatment	•		•	•	•		
Water transfers		•	•				

NCCP/HCP = natural community conservation plan/habitat conservation plan

The dot represents the Water Management Strategy that is a part of the Local Agency Plans shown along the top row.