

# APPENDIX L

## UTILITIES





# **CITY OF NEWPORT BEACH**

## **CITY COUNCIL STAFF REPORT**

Agenda Item No. 20  
October 12, 2010

**TO:** HONORABLE MAYOR AND MEMBERS OF THE CITY COUNCIL

**FROM:** Utilities Department  
George Murdoch, Utilities Director  
949-644-3011, GMurdoch@newportbeachca.gov

**SUBJECT: Newport Banning Ranch Water Supply Assessment**

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### **ISSUE:**

Consider the findings of the Newport Banning Ranch Water Supply Assessment, in accordance with State Law, that the City can provide adequate water supply for the proposed Banning Ranch Development.

### **RECOMMENDATION:**

Adopt the resolution, included as Attachment 1, approving the Newport Banning Ranch Water Supply Assessment.

### **DISCUSSION:**

#### **Background:**

#### ***Project Summary***

In December 2008, Newport Banning Ranch, LLC (NBR) submitted an application to the City for approval of a General Plan Amendment, Planned Community Development Plan, Master Development Plan and Tentative Tract Map for the development of the 401 acre Newport Banning Ranch site (project site). The entire project site is located within the Coastal Zone, and the proposed project will require Coastal Commission approval following City action on the NBR application.

The NBR application proposes the preservation of approximately 252 acres of open space and development of up to 1,375 residential dwelling units, 75,000 square feet of commercial area, a 75 room resort inn, and approximately 52 acres of parks. As part of the City's review of the NBR application an EIR is being prepared in accordance with the provisions of CEQA to evaluate the environmental impacts associated with the proposed project.

Approximately 40 acres of the project site are located within the City limits, and approximately 361 acres are located outside the City limits but within the City's Sphere of Influence (SOI). If the project application is approved by the City and the Coastal Commission, an annexation and a boundary adjustment will be coordinated through the Local Agency Formation Commission (LAFCO) to extend the City limits to include the portion of the project site currently within the SOI and to extend the City's water service area to provide water to the entire project site.

### ***Background on State Law and Study Approach***

California Senate Bill 610 (SB 610), adopted in 2001, requires that a Water Supply Assessment (WSA) be prepared for proposed projects of more than 500 residential dwelling units evaluating water supplies that will be available to the project over a 20 year period. The evaluation needs to address water supply availability during a normal year as well as during single dry-year and multiple dry-year events. The WSA must consider existing demands as well as reasonably foreseeable planned future water demands and must use information contained in adopted Urban Water Management Plans as required by the State Urban Water Management Act.

The State Urban Water Management Act, originally enacted in 1983 and subsequently amended, requires urban water suppliers to plan for adequate and reliable water supply to meet existing and future demand through the preparation of an Urban Water Management Plan (UWMP) which is required to be updated every five years. Water suppliers to the City include Municipal Water District of Orange County (MWDOC) which receives its water supplies from Metropolitan Water District (Metropolitan). Local urban water providers, including the City of Newport Beach, are also required to prepare an UWMP to be updated every five years. Each UWMP is required to analyze the reliability of water sources available to the water provider over a 20-year planning horizon considering normal, dry, and multiple dry years.

In 2005, Metropolitan adopted a 2005 Regional Urban Water Management Plan (Regional UWMP), and MWDOC adopted a 2005 UWMP. The City subsequently adopted its 2005 UWMP which was prepared through coordination and planning with MWDOC and Metropolitan to maintain consistent assumptions in projecting supply and demand.

Pursuant to the requirements of SB 610, the City has prepared the Newport Banning Ranch Water Supply Assessment (NBR-WSA), included as Attachment 2. SB 610 requires that a WSA be approved by the water provider before the lead agency takes action on a project. Because the City of Newport Beach will be the water provider if the NBR project is approved, the City Council is the appropriate body to approve the NBR-WSA. City approval of the NBR-WSA would certify that the document has been prepared in accordance with the requirements of SB 610 and that the information and

findings contained in the WSA are reasonable and may be incorporated into the project Draft EIR as required by CEQA.

Analysis:

Preparation of the NBR-WSA relied to a large extent on information contained in the City's adopted 2005 UWMP. State Water Code Section 10910 (c) stipulates that a WSA may rely on the analysis contained in the UWMP if the proposed project was accounted for in the UWMP. The City's 2005 UWMP addresses supply and demands through 2030 and, because it was prepared prior to approval of the General Plan update in 2006, the UWMP also assumes a larger project would be developed than is currently proposed by NBR.

The NBR-WSA provides information and analysis on the following topics as required by SB 610:

1. Information from the City's 2005 UWMP identifying existing water supply sources for the proposed project including sources for imported water, groundwater, and recycled water as well as other information from the City's 2005 UWMP relevant to the supply of water received by the water provider to be used by the project;
2. Identification of the projected water demand for the proposed project; and
3. Evaluation of available water supply over a 20 year time period to include an assessment of availability under the conditions of a normal year, a single dry year, and multiple dry years.

In addition to the requirements of SB 610, the NBR-WSA includes a discussion of the response of water suppliers to recent events affecting future water supply including court decisions affecting state water supply allocations and the current statewide drought.

## **1. Summary of Water Supply and UWMPs**

The NBR-WSA identifies the sources of the City's water supply and provides information relevant to the supply of water received by the City to be used by the project based on information provided in the City's 2005 UWMP. The NBR-WSA also utilizes water supply information contained in the 2005 Metropolitan Regional UWMP and the 2005 MWDOC UWMP relevant to the City's water supply.

### *Imported Water*

The City receives imported water from MWDOC, of which the City is a member agency. In turn, MWDOC receives much of its supply from Metropolitan, of which MWDOC is a member agency.

Metropolitan's 2005 Regional UWMP contains a water supply reliability assessment with a detailed evaluation of the supplies necessary to meet demands of its member agencies, including MWDOC, over a 25-year period in average, single dry-year and multiple-dry year periods. Metropolitan uses the Southern California Association of Governments (SCAG) regional growth forecast in calculating regional water demand projections for southern California.

#### *Groundwater*

The City obtains groundwater pumped from four wells owned and operated by the City and managed by Orange County Water District (OCWD.) The City's wells are located in the City of Fountain Valley, approximately five miles north of Newport Beach. OCWD regulates the supply of groundwater to the City through a Groundwater Basin Management Plan that is updated every five years with the most current plan adopted in 2009. The only constraints affecting groundwater supply to the City are the pumping capacity of the wells and pumping limitations established by OCWD to maintain the groundwater basins.

#### *Recycled Water*

The City purchases some recycled water from OCWD. The City has programs and policies in place to promote increased recycled water use in future years including financial incentives as identified in the City's 2005 UWMP.

The NBR-WSA includes a summary of the historical and projected water supply for the City provided from all three of the above sources through the year 2030 based on information contained in the City's 2005 UWMP. As described in the NBR-WSA, the City's water supply from all three sources has steadily increased annually beginning with 17,820 acre feet per year in 2005 and is projected to continue to increase annually up to 21,716 acre feet per year until the year 2030 with the greatest percentage increase in supply occurring from groundwater sources.

The MWDOC 2005 UWMP and the City's 2005 UWMP contain a water supply reliability assessment that identifies a diverse mix of imported and local supplies necessary to meet demands over the next 25 years in average, single dry-year and multiple-dry year periods. Water demand and supply projections included in the MWDOC 2005 UWMP and the City's 2005 UWMP assumed that the NBR project would be a larger project than is included in the City's current General Plan or proposed as part of the current NBR application. Neither UWMP anticipated any substantial water shortages for the 25 year planning period.

## 2. Summary of Projected Demand

The City provides water and recycled water services to approximately 80,000 residents in its service area. The City currently supplies approximately 18,000 acre feet per year of potable water to approximately 26,000 accounts. Projected water demand for the City's service area is based on the City's 2005 UWMP, which assumes the project site would be developed as a larger project than is currently in the General Plan or proposed by NBR. The NBR-WSA describes the historical and projected water demands for the City service area through the year 2030. As described in the NBR-WSA, the City service area demand is projected to increase from an existing 2010 demand of 19,791 acre feet per year to 21,716 acre feet per year in the year 2030. Based on the information in the City's 2005 UWMP, the projected water supply available to the City will meet the projected water demand within the City's water service area during the planning period from 2005 to 2030.

The NBR-WSA includes an estimate of water demand from the proposed project compared to the demand assumption for the project from the City's 2005 UWMP. The 2005 UWMP assumed development of the project site as a larger project with a total average annual water demand of 1,005 acre feet per year. Table 1, below describes the water demand estimate for each land use category of the proposed Newport Banning Ranch project based on demand factors for each land use provided by the City Utilities Department.

**Table1, NBR Land Use Summary & Project Demands**

Land Use	Area	Density	Unit Demand Factor	Average Annual Water Demands	
	(ac)	(units/ac)	(gpm/ac)	(gpm)	(af/yr)
Open Space / Conservation Areas	251.6	-	-	-	-
Community & Interpretive Parks	31.7	-	2.00	63.4	102.2
Bluff Parks	20.6	-	1.20	24.7	39.8
75-Room Visitor-Serving Resort	5.3	-	2.00	10.6	17.1
Low Density Residential	26.1	6.3	2.03	53.0	85.5
Low-Medium Density Residential	11.8	7.3	2.16	25.5	41.1
Medium Density Residential	27.2	11.3	2.53	68.8	111.0
Medium-High Density Residential	5.8	15.0	2.87	16.6	26.8
High Density Residential	19.2	38.0	6.03	115.8	186.8
Commercial	1.7	-	1.20	2.0	3.2
<b>TOTAL</b>	<b>401.0</b>			<b>380.4</b>	<b>613.5</b>

The total average annual water demand for the proposed NBR project is estimated to be 613.5 acre feet per year, or 0.55 million gallons per day (mgd), substantially less than the average 1,005 acre feet per year demand planned for in the City's 2005 UWMP.

### **3. Availability of Water Supply during Normal, Single Dry Year, and Multiple Dry Years**

The NBR-WSA includes an evaluation of estimated future normal year, single dry-year, and multiple dry-year conditions. This evaluation was derived using MWDOK's water balance computer model and includes data from the City's 2005 UWMP. The computer modeling analysis evaluated historical demand and supply over an 83 year period from 1922 to 2004. Next, the evaluation analyzed demand and supply in five year increments for a normal year and single and multiple dry year events for a twenty year period from 2010 to 2030. The modeling analysis assumes that during dry years, local supplies (groundwater) will reduce and the reliability of imported supply will increase through Metropolitan's water transfer and storage programs. As an example, during the first multiple dry year event, groundwater as a percentage of the total supply decreases from 70% during normal years to between 60% and 64%, and imported water as a percentage of the total supply increases from 29% in a normal year to 39%. During the third multiple dry year, the groundwater supply further decreases to between 49% and 59% and imported water increases to comprise 44% of the total supply. The evaluation demonstrated that City water supplies will be sufficient to meet future demands during single and multiple dry-year period conditions through the year 2030.

### **Response to Recent Events and Uncertainties Affecting Water Supply**

In addition to the SB 610 requirements discussed above, the NBR-WSA includes a discussion of recent events and the resulting uncertainties that could affect water supply in the future. The NBR-WSA acknowledges that southern California is currently in a multiple dry-year event and discusses recent court orders that have restricted availability of water provided from the State Water Project (SWP) to water districts, including Metropolitan. The NBR-WSA includes a discussion of water conservation programs put in place by water suppliers and the City in response to these events and the likely effect these programs will have on water demand and supply in the future.

In response to the drought and the court decisions affecting future State Water Supply allocations, Metropolitan and its member agencies, including MWDOK, have adopted water conservation programs designed to reduce water demand from its member agencies. Additionally, the City has recently adopted water conservation ordinances into the Newport Beach Municipal Code (NBMC) including Section 14.16, "Water Conservation and Supply Level Regulations," and Section 14.17, "Water Efficient Landscaping." NBMC Section 14.16 defines careful water management practices to ensure a reliable minimum supply of water to meet current and future supply needs.



NBMC Section 14.16 creates a Water Conservation and Supply Shortage Program that establishes permanent water conservation requirements during non-shortage conditions, and further establishes four levels of water supply shortage response actions to be implemented within the City during times of declared water shortage. Mandatory permanent water conservation requirements are effective at all times. NBMC Section 14.17 requires that water conservation and water efficiency design standards be incorporated into the landscape and irrigation plans of new development projects.

Implementation of the NBR project would be subject to compliance with the water conservation requirements established in the NBMC. In addition, the NBR project proposes that the following water conservation measures be adopted as development regulations to be implemented as part of all development projects within the project site:

- Builders are required to use low water usage indoor appliances, showers, and toilets.
- Public and/or common area men's restrooms are required to utilize waterless urinals.
- Installation of "Smart Controller" irrigation systems will be required for all public and common area landscaping.
- Community landscape areas will be designed on a "hydrozone" basis to group plants according to their water requirements and sun exposure.
- Landscaping within public common areas will utilize native and/or drought-tolerant landscaping.

It is important to note that over the past two years there has been an average 4% reduction per year in the City's demand and supply requirements, due to the drought, reduced State Water Project allocations, and as a result of increased conservation measures, a heightened public awareness and the implementation of conservation-based rate structures by water purveyors. With the City's recent adoption of water conservation measures it is anticipated that the reductions in demand and supply will continue into the future. The additional implementation of water conservation programs proposed as part of the NBR project will likely result in water demand for the NBR project which is lower than that estimated in the NBR-WSA.

The recent statewide drought and court decisions affecting future State Water Supply allocations which have occurred since approval of the 2005 Regional UWMP are also addressed in the Draft 2010 Regional UWMP Update prepared by Metropolitan which is currently available for public review. The following excerpt from Metropolitan's August 17, 2010 report to its Board transmitting the Draft 2010 Regional UWMP (RUWMP) provides an overview of the document's purpose and highlights:

*The 2010 RUWMP satisfies all the reporting requirements mandated by the [Urban Water Management Planning] Act and provides a comprehensive summary of Metropolitan's*

*demand and supply outlook through 2035. The key reporting points of this report are as follows:*

- Metropolitan has supply capabilities that would be sufficient to meet expected demands from 2015 through 2035 under average, single dry-year, and multiple dry-year hydrologic conditions.*
- Metropolitan has comprehensive plans for stages of actions it would undertake to address a reduction in water supplies of up to 50 percent due to catastrophic events through its Water Surplus and Drought Management (WSDM) and Water Supply Allocation Plans (WSAP). Metropolitan also developed an Emergency Storage Requirement to mitigate against potential interruption in water supplies resulting from catastrophic occurrences within the Southern California region, including seismic events along the San Andreas fault. In addition, Metropolitan is working with the state to implement a comprehensive improvement plan to address catastrophic occurrences that could occur outside of the Southern California region, such as a maximum probable seismic event in the Delta that would cause levee failure and disruption of SWP deliveries.*
- Metropolitan has plans for supply implementation and continued development of a diversified resource mix including programs in the Colorado River Aqueduct (CRA), State Water Project (SWP), Central Valley transfers, water use efficiency programs, local resource projects, and in-region storage that will enable the region to meet its water supply needs.*

The Draft 2010 Regional UWMP documents how Metropolitan, in cooperation with local water agencies including MWDOC, Orange County Water District, and the City of Newport Beach, will provide reliable water supplies sufficient to serve all retail demands throughout the 20 year planning period of the document, inclusive of average year, single dry year, and multiple-dry-year hydrologic conditions. Metropolitan is also planning a 10% buffer to address uncertainties and implementation risks. Metropolitan anticipated submittal of an adopted 2010 RUWMP to the state by December 2010, however the state has extended the due date until July 1, 2011.

### **Effect of Approving NBR-WSA and Additional Water Supply Verification**

Approval of the NBR-WSA does not entitle the Newport Banning Ranch project any water rights, priority or allocation to any supply, capacity or facility, or affect the City's obligation to provide service to its existing customers or any potential future customers. City Council approval of the NBR-WSA does not constitute an entitlement to water rights or service for the project or a "will serve" commitment for water to the proposed project. The NBR-WSA is not the final water supply analysis that will be required for this project. Subsequent water supply evaluations are required for implementation of the project, as discussed below, in addition to the SB 610 WSA requirements.

### *SB 210 – Water Verification Report*

In addition to being subject to the water supply verification requirements of SB 610 pertaining to the project's CEQA documentation, the project will also be subject to similar requirements of state law pertaining to approval of the project's subdivision map. Those requirements, enacted by the state in SB 221 of 2001, require the City to condition the project's Tentative Map that a written verification be provided by the City of available water supplies as a condition of final map approval. The required written verification would need to be prepared by the City at the time in the future when the project is ready to proceed with final map recordation and would be based on long-term water supply conditions existing at the time of the verification. SB 221 verification at the time of map recordation would be based on an evaluation of long-term water supply conditions existing at the time the verification is sought. Since recordation of a final map is required prior to commencement of construction, the applicant will be required to obtain a water supply verification, containing firm assurances that water is or will be available to serve the project, before construction of the project can commence. Because the NBR project is subject to Coastal Commission approval before the project can proceed with final map recordation, the SB 221 verification is not anticipated to occur until sometime in the future.

### Conclusion:

The NBR-WSA has been prepared in accordance with the requirements of SB 610 and as part of the NBR Project EIR pursuant to CEQA. The NBR-WSA concludes that, based on the City's 2005 UWMP, there will be adequate water supplies to meet the demands of the proposed Newport Banning Ranch project, which was assumed to be a larger project than is currently proposed by NBR, as well as existing and planned development within the City. The City's 2005 UWMP anticipates that no water shortages will occur. Additionally, the 2005 MWDOC UWMP does not project any shortages of available supply for any water providers within MWDOC's service area if projected MWDOC and member agency supplies are developed as planned.

The NBR-WSA acknowledges that uncertainties, including drought and recent court decisions affecting water availability from the State Water Project, have arisen since adoption of the City's 2005 UWMP. In summary, the combination of adverse hydrologic conditions and regulatory actions that led to constraints in water supplies represent short-term, unexpected events that are beyond those envisioned in the 2005 water supply plans of the agencies. The NBR-WSA describes how the regional and local water agencies supplying Newport Beach are addressing these uncertainties in order to assure long-term water supply reliability for the City and the Southern California metropolitan region. These new challenges to water supply and the response of the water agencies to these challenges are not addressed in the 2005 UWMPs, but will be

addressed in the 2010 UWMP updates to be prepared by Metropolitan, MWDOC, and finally the City by July 1, 2011. The conclusions of the draft 2010 RUWMP indicate that the essential conclusions regarding water supply availability in the City's 2005 UWMP remain valid despite the changed circumstances. Although the documents remain in draft form, those documents will be completed prior to the Water Verification Report for the NBR project.

Approval of the NBR-WSA does not entitle the NBR project any water rights, priority or allocation in any supply, capacity or facility, or affect the City's obligation to provide service to its existing customers or any potential future customers. Further water supply analysis will be undertaken in the future before any commitment to provide water is made by the City and before the NBR project may be constructed because, in addition to being subject to the water supply assessment requirements of SB 610 pertaining to the project's CEQA documentation, the NBR project is also subject to similar requirements of state law pertaining to approval of the project's subdivision map. Those requirements, enacted by SB 221 of 2001, require the City to condition the project's Tentative Map to require written verification by the City of available water supplies as a condition of final map approval. The written verification required would be prepared by the City, at the time in the future when the NBR project is ready to proceed with final map recordation, and would be based on long-term water supply conditions existing at the time of the verification.

The City must adopt the NBR-WSA prior to completion and publication of the Draft Newport Banning Ranch EIR. The information and findings of the NBR-WSA are reasonable and may be incorporated into the project EIR.

#### Environmental Review:

The NBR-WSA has been prepared in accordance with the requirements of the provisions of the State Water Code. As required by CEQA, the NBR-WSA will act as a supporting technical study document to the project Draft EIR and will be included as an appendix to the Draft EIR. The project Draft EIR will be submitted to City Council at a future date for consideration of certification.

The adoption by the City of the NBR-WSA is not a final action on a project that is subject to CEQA. As provided by the Public Resources Code the NBR-WSA must be prepared and adopted within 90 days of a request for its preparation, so that it may be included in the EIR for the Project. (Water Code sections 10910, subdivision (g) and 10911, subdivision (b).) If the NBR-WSA were subject to CEQA it would be considered categorically exempt from review pursuant to CEQA Guidelines Section 15307, Class 7 (Actions by Regulatory Agencies for Protection of Natural Resources). This class provides an exemption for actions taken by regulatory agencies as authorized by state law or local ordinance which assure the maintenance, restoration, or enhancement of a


natural resource where the regulatory process involves procedures for protection of the environment.

Public Notice:

This agenda item may be noticed according to the Brown Act (72 hours in advance of the public meeting at which the Council considers this item).

Prepared by:

Submitted by:

  
for Debby Linn  
Planning Consultant-External

  
George Murdoch  
Utilities Director

- Attachments:
1. Resolution approving the Newport Banning Ranch Water Supply Assessment
  2. Newport Banning Ranch Water Supply Assessment – Sept. 2010

**RESOLUTION NO. 2010-\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY  
OF NEWPORT BEACH APPROVING THE NEWPORT  
BANNING RANCH WATER SUPPLY ASSESSMENT.**

WHEREAS, Newport Banning Ranch, LLC, (NBR) has submitted an application to the City for approval of a General Plan Amendment, Planned Community Development Plan, Master Development Plan and Tentative Tract Map for the development of the 401 acre Newport Banning Ranch site which proposes the preservation of approximately 252 acres of open space and development of up to 1,375 residential dwelling units, 75,000 square feet of commercial area, a 75 room resort inn, and approximately 52 acres of parks (proposed project).

WHEREAS, an Environmental Impact Report (EIR) is being prepared by the City in accordance with the provisions of California Environmental Quality Act (CEQA) to evaluate the environmental impacts associated with the proposed project.

WHEREAS, California Senate Bill 610 (SB 610), adopted in 2001, requires that a Water Supply Assessment be prepared for proposed projects of more than 500 residential dwelling units evaluating water supplies that will be available to the project over a 20 year period to include an evaluation of water supply availability during a normal year as well as during single dry-year and multiple dry-year events.

WHEREAS, a Water Supply Assessment must consider existing demands as well as reasonably foreseeable planned future water demands and must use information contained in adopted Urban Water Management Plans as required by the State Urban Water Management Act.

WHEREAS, the City provides water to its customers with a mix of pumped water from the Orange County Groundwater Basin and imported water supplies from the Metropolitan Water District of Southern California (MWD) and will be the water service provider to the Newport Banning Ranch site pursuant to final approval of the proposed project.

WHEREAS, the City has an adopted 2005 Urban Water Management Plan which anticipated a larger Newport Banning Ranch project than is proposed by NBR.

WHEREAS, the City has prepared the Newport Banning Ranch Water Supply Assessment using information contained in the City's adopted 2005 Urban Water Management Plan which concludes that, there will be adequate water supplies to meet the demands of the proposed Newport Banning Ranch project, which was assumed to be a larger project than is currently proposed by NBR, as well as existing and planned development within the City and that no water shortages will occur.

WHEREAS, the Newport Banning Ranch Water Supply Assessment been prepared in accordance with the requirements of the provisions of SB 610 and all other applicable provisions of the state Water Code, and will act as a supporting technical study document to the Draft EIR for the proposed project and will be included as an appendix to the Draft EIR as required by CEQA.

WHEREAS, the adoption by the City of the Newport Banning Ranch Water Supply Assessment is not a final action on a project that is subject to CEQA; however, if subject to CEQA would be considered categorically exempt from review pursuant to CEQA Guidelines Section 15307, Class 7 (Actions by Regulatory Agencies for Protection of Natural Resources).

WHEREAS, the Newport Beach City Council has reviewed and considered the Newport Banning Ranch Water Supply Assessment to be implemented pursuant to this Resolution, as well as the updated information provided in the accompanying staff report.

NOW, THEREFORE BE IT RESOLVED:

The City Council hereby approves the September 2010 Newport Banning Ranch Water Supply Assessment prepared by AECOM.

ADOPTED, this 12th day of October 2010

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK







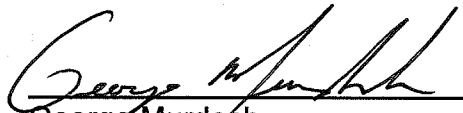
# **WATER SUPPLY ASSESSMENT**

## **Newport Banning Ranch**

**September 2010**

Prepared By:  
AECOM  
7807 Convoy Court, Suite 200  
San Diego, CA 92111

**Submitted By:**

  
George Murdoch  
Utilities Director  
City of Newport Beach

**City of Newport Beach  
Water Supply Assessment**

**Newport Banning Ranch**

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# Appendices

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Appendix A: Project Demand Calculation

California Department of Water Resources  
Bulletin 118, Coastal Plain of Orange County  
Groundwater Basin (Basin Number 8-1)

California Urban Water Conservation Council 2007-2009  
Coverage Report

City Ordinance Chapter 14.16 – Water Conservation and  
Supply Level Regulations

City / OCWD Annexation Agreement

Appendix B: Metropolitan Water District of Southern California  
*(on compact disc)* 2005 Regional Urban Water Management Plan

Metropolitan Water District of Southern California  
2009 Bond Statement

Municipal Water District of Orange County  
2005 Urban Water Management Plan

City of Newport Beach  
2005 Urban Water Management Plan

Orange County Water District  
2009 Groundwater Management Plan

Appendices  
available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

## Section 1 – Introduction

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The City of Newport Beach (City) retained AECOM USA, Inc. (AECOM) to prepare a Water Supply Assessment (Assessment) for the Newport Banning Ranch Planned Community (Project) to satisfy the requirements set forth in *Senate Bill 610* (SB 610). This Assessment has been prepared by AECOM on behalf of the City with information provided by the City, the Municipal Water District of Orange County (MWDOC), the Orange County Water District (OCWD), and the developer's engineer (Fusco Engineering) and landscape architect (FORMA Design).

## Section 2 – Purpose

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Effective January 1, 2002, SB 610 (codified at California Public Resources Code §21151.9, and Water Code §§10631, 10656, 10657, 10910, 10911, 10912, and 10915) and SB 221 (codified at California Business & Professions Code §11010, and Government Code §§65867.5, 66455.3, and 66473. 7) amended state law to improve the link between information on water supply availability and certain land use decisions made by cities and counties. In general, SB 610 requires that the water purveyor of the public water system prepare a *water supply assessment* to be included in the environmental documentation of certain proposed projects. Similarly, SB 221 requires affirmative *written verification* from the water purveyor of the public water system that sufficient water supplies are available for non-exempt subdivisions of more than 500 residential units in conjunction with (or prior to) approval of a tentative map.

The proposed Project includes, among other components, more than 500 dwelling units and thus compliance with SB 610 is required. In addition, the Project requests a tentative map for more than 500 dwelling units, thus triggering compliance with SB 221. This Assessment has been prepared to only meet the requirements of SB 610, and a separate *written verification* report will be required at a later date in conjunction with approval of the tentative map.

The City has requested the Assessment as part of the environmental review of the Project. This Assessment is intended for use by the City in its evaluation of the Project under the California Environmental Quality Act (CEQA) process. This Assessment evaluates water supplies that are or will be available during normal year, single dry-year, and multiple dry-years conditions over a 20-year projection period, considering existing demands, expected Project demands, and reasonably foreseeable planned future water demands to be served by the City.

This Assessment does not entitle the Project to service or any right, priority or allocation in any supply, capacity or facility, or affect the City's obligation to provide service to its existing customers or any potential future customers. In order to receive service, the Project applicant is required to file a complete application(s) for service with the City together with all forms, fees, plans and specifications, bonds, conveyance of necessary assessments, and meet all other requirements as specified therein.

## Section 3 – Findings

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### Overview

The water demand for the proposed Project was included in the water demand forecasts of the City, as identified by City staff and the *1999 Water Master Plan* (Water Master Plan), and reflected in the *2005 Urban Water Management Plan* (UWMP) and within the planning documents of MWDOC, OCWD, and the Metropolitan Water District of Southern California (Metropolitan). Water supplies necessary to serve the demands estimated for the Project, along with existing and other projected future users, as well as the actions necessary to develop these supplies, have been identified in the water supply planning documents of the City, MWDOC, OCWD, and Metropolitan.

In the previous planning documents, development of the Project site was proposed as a more intensive development with higher water demands than the Project is currently considering (the Project as currently planned has almost 1,000 less residential dwelling units). Since higher densities were considered and accounted for in the City's UWMP, the demands for the current, less intensive Project were also included. Therefore, this Assessment can rely on the demand projections in the UWMP and demonstrates that with the development of the resources identified, there will be sufficient water supplies over a 20-year planning horizon to meet existing demands, the new estimated Project demands, and the other planned development projects within the City's water service area.

As set forth in this Assessment, the City's water supply consists of imported water and groundwater. The City receives its imported water from MWDOC of which it is a member agency. In turn, MWDOC receives much of its supply from Metropolitan of which MWDOC is a member agency. The City's groundwater supply (pumped from wells owned and operated by the City) is managed by OCWD. Additionally, the City purchases some recycled water from OCWD. As such, the City and the analysis and conclusions in this Assessment rely exclusively on the water supply projections in the City's UWMP and the reliability plans of MWDOC, Metropolitan, and OCWD.

During normal water supply year conditions, the City has sufficient potable resources to meet existing and projected year 2030 average annual demands. Similarly, during single dry-year and multiple dry-years conditions, the City also has sufficient potable supplies to meet the existing and projected demands. These findings are summarized in **Section 8**. The adequacy of potable supply is further confirmed in Metropolitan's *Report on Metropolitan's Water Supplies: A Blueprint for Water Reliability* (dated March 2003), which states that Metropolitan will have adequate supplies to meet dry-year demands within its service area over the next 20 years.

In its 2005 Urban Water Management Plan, MWDOC determined the availability of its imported supply is expected to equate to its projected imported demand. MWDOC concluded this because in Metropolitan's Regional 2005 Urban Water Management Plan (Section II.2 - Evaluating Supply Reliability), Metropolitan was able to show that it can maintain 100% reliability in

meeting direct consumptive demand under the conditions that represent normal, single driest, and multi-dry years through 2030.

## Recent Events

The case of *NRDC v. Kempthorne* (05-1207, E.D.Cal.) involved an action brought by the National Resources Defense Council (NRDC) to reduce pumping out of the San Francisco Bay-Delta (Delta) in order to protect an endangered fish, the Delta Smelt. A ruling in this case was issued in August of 2007, where the court ordered pumping in the Delta to be temporarily cut back by 30% until a new Biological Opinion could be prepared. Metropolitan estimates that it was unable to receive approximately 250,000 acre-feet (af) of State Water Project (SWP) water in 2008, requiring them to pull water from storage accounts. A new Biological Opinion was submitted at the end of 2008, and the provisions are more stringent than the original cutbacks (by as much as 50% in some cases).

In addition to the SWP pumping restrictions, southern California is in its third consecutive year of drought. In 2008 and 2009, Metropolitan and many local agencies, including the City, called for voluntary water use reductions. Despite these efforts, Metropolitan issued a Water Supply Allocation Plan in July 1, 2009, which initiated mandatory conservation throughout Southern California (reduction by 10%). In this plan, delivery to a member agency of more than its allocated amount of Metropolitan supplies subjects the member agency to a penalty of from one to four times Metropolitan's full service rate for untreated Tier 2 water. In turn, MWDOC has implemented Stage 2 of their Water Supply Allocation Plan, which passes along the increased cost of imported water to its member agencies if the conservation measures are not met.

In 2009, the Orange County Grand Jury issued a report entitled "*Paper Water*" – *Does Orange County Have A Reliable Future?* where they investigated if and how Orange County's cities and water districts are planning for a redistribution of water supplies away from Orange County. The reason for the investigation stemmed from news reports and warnings from water officials throughout California that raised the following concerns: (1) supply deficiencies are becoming critical due to prolonged drought, (2) the Delta court rulings have forced drastic supply cutbacks, and (3) the deteriorating water delivery infrastructure is subject to severe damage in the event of an earthquake or other natural force. In general, the Grand Jury concluded that more public awareness and process improvement regarding water issues must be made as Orange County continues to develop. Also, the many water agencies in Orange County need to strengthen their unified approach in preparing for a difficult future for Orange County's water resources.

To comprehensively address the impacts of the SWP cutbacks and the drought, Metropolitan developed with its member agencies a Five-Year Supply Plan (Supply Plan) in April 2008 to identify specific resource and conservation actions to manage water deliveries under continued drought conditions and court-ordered restrictions. The Supply Plan focuses on six categories of resource options to improve Metropolitan's reliability from 2009 through 2013, summarized as follows:

- Water Conservation – increase and accelerate conservation savings by: (1) increasing outreach to heighten public awareness of the need to conserve water, (2) motivate

conservation by increasing resources and support for water use ordinances and conservation-based rate structures, and (3) accelerate the installation of water efficient devices.

- ❑ Colorado River Transactions – pursue additional supplies along the Colorado River. Metropolitan estimates the following programs could provide an additional 140,000 af of Colorado River Aqueduct (CRA) supply in 2009 with potential increases the following years:
  - Emergency short-term fallowing program with Palo Verde Irrigation District.
  - Participation with the Bureau of Reclamation in pilot operation of the Yuma Desalting Plant.
  - Expansion of the 2004 storage and interstate release agreement with the Southern Nevada Water Authority.
  - Exchange and advance delivery agreement with the Coachella Valley Water District.
  - Water exchange with Arizona and fallowing program with the California Indian tribes.
- ❑ Near-Term Delta Actions – develop measures that protect fish species and reduce supply impacts, such as habitat and hatchery projects, and physical and operational actions with the goal of reducing conflicts between water supply conveyance and environmental needs.
- ❑ SWP Transactions – through the California Department of Water Resources' Drought Water Bank, facilitate transfers from willing sellers located upstream of the Delta to buyers through the SWP and Central Valley Project. Metropolitan took delivery of 29,000 af from the Drought Water Bank in 2009.
- ❑ Groundwater Recovery – increase supply through groundwater that requires treatment and recovery for consumptive use. It is estimated that there is over 300,000 af of groundwater that could be treated and recovered in Metropolitan's service area.
- ❑ Local Resources – work with member agencies to expand and/or accelerate local projects with a potential to be online within the next five years (e.g., recycled water treatment plants, groundwater recovery plants, desalination plants, and new hookups to existing recycled plants). Over 50 potential projects have been identified with an estimated total annual yield of 122,000 af by 2013.

Metropolitan is also working on a 2009 Update to their Integrated Resources Plan (IRP). Through this IRP update process, Metropolitan will identify changes to the long-term plan and establish direction to address the present and future challenges brought by record drought, climate change, and environmental concerns.

(For more information on recent events related to Metropolitan, please refer to their 2009 Bond Disclosure Statement, Appendix A. An electronic copy is located in **Appendix B**.)

At a local level within Orange County, several efforts are underway to mitigate the imported supply losses and improve reliability. Phase 2 of OCWD's Groundwater Replenishment System (GWR System) project is now under design to increase production from 72,000 af per year (af/yr) to 102,000 af/yr. The initial GWR System was completed and on-line in January 2008,

and augments existing groundwater supplies by producing purified water to recharge the basin. Also, MWDOC is currently looking at two potential ocean desalination plants to produce new supplies and offset approximately 9% of the water imported into Orange County. However, it is not known when these facilities are expected to be constructed and producing water. Therefore, desalination was not considered in this Assessment.

Within the City, an ordinance was adopted in December 2009 titled “Chapter 14.16 Water Conservation and Supply Level Regulations” to define careful water management practices to ensure a reliable minimum supply of water to meet current and future supply needs. The ordinance creates a Water Conservation and Supply Shortage Program that establishes permanent water conservation requirements during non-shortage conditions, and further establishes four levels of water supply shortage response actions to be implemented within the City during times of declared water shortage. A detailed summary of this ordinance is provided in **Section 6**.

While the issues of drought, climate change, and environmental concerns will continue to provide challenges to water suppliers in California, this Assessment concludes that sufficient water exists for the Project with the development of the resources and projects discussed in the planning documents of the City’s water suppliers. The water agencies involved in providing that supply are devoting considerable resources and energy to maintaining a reliable supply for customers and potential customers within their service areas.

## **Section 4 – Project Description**

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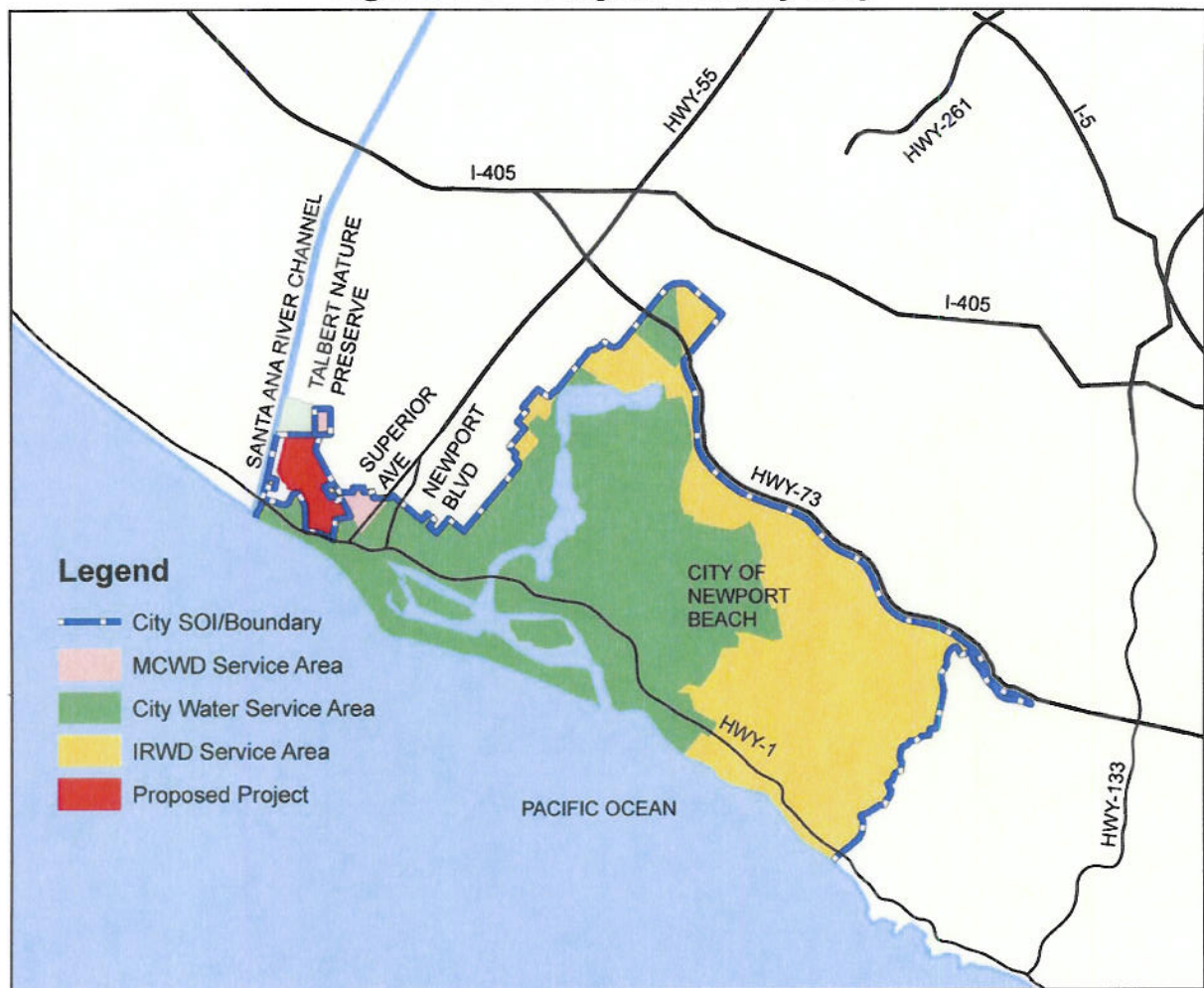
The Project is a 400-acre, multi-use, planned development that is generally located north of West Coast Highway (HWY-1), east of the Santa Ana River channel, south of the Talbert Nature Preserve, and west of Superior Avenue (see **Figures 4-1 and 4-2**). Approximately 40 acres of the site are located within the incorporated boundary of the City; the remainder of the site is within unincorporated Orange County. The entire site is within the boundary of the Coastal Zone as established by the California Coastal Act.

The Mesa Consolidated Water District (MCWD), located just north and adjacent to the City, has an 18 mile service area that includes the City of Costa Mesa, parts of the City, and some unincorporated sections of Orange County. The Project’s north and northeast boundaries are adjacent to MCWD’s service area.

As shown on **Figure 4-1**, the Project is located between and outside the existing service areas of the City and MCWD, but is within the City’s adopted Sphere of Influence (SOI). Therefore, annexation and a boundary adjustment will be required and coordinated through the Local Agency Formation Commission (LAFCO). The City is a full service agency which provides all public services to areas within its boundaries. LAFCO is concerned with assuring that local government boundaries are logical and that the area within local government boundaries can be provided with municipal services efficiently. LAFCO has determined that based on the City’s Utilities Department assessment, the City can provide efficient and cost effective water service to the Project.



**Figure 4-1 – Project Vicinity Map**



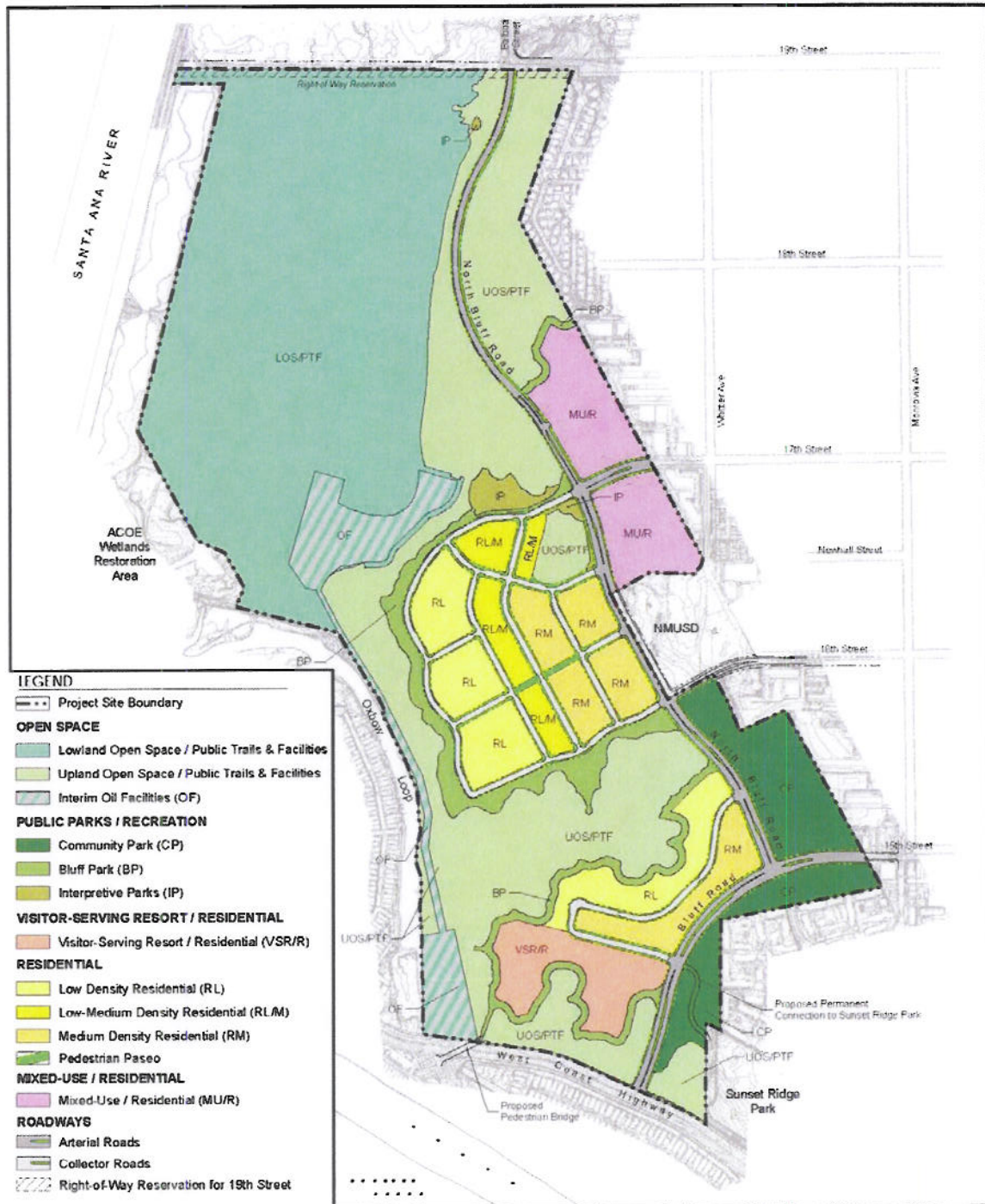
**Figure 4-2 – Aerial of Existing Site**



The Project proposes 1,375 residential dwelling units, 75,000 square feet of commercial retail, a 75-room visitor-serving resort, parks, and open space. The planned development pattern is generally depicted on **Figure 4-3**, with the proposed water system facilities shown on **Figure 4-4**.



Figure 4-3 – Development Plan



NEWPORT BANNING RANCH

PLANNED COMMUNITY DEVELOPMENT PLAN  
City of Newport Beach - California



GLENN LUKAS ASSOCIATES



FUSCOE

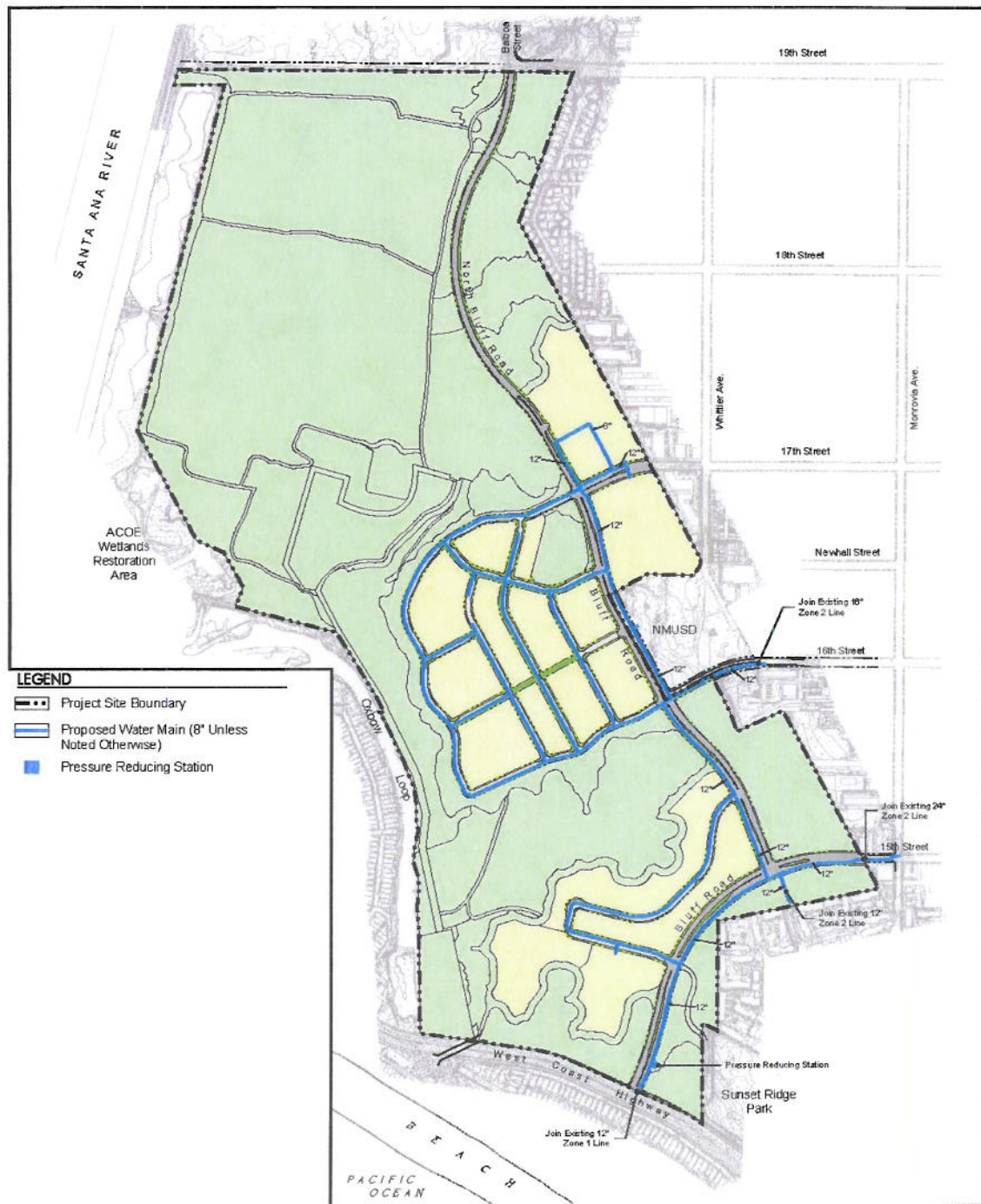


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Figure 4-4 – Proposed Water Facility Plan



MASTER DEVELOPMENT PLAN  
City of Newport Beach - California



GLENN LUKOS ASSOCIATES



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A summary of the Project land uses and associated water demands are presented in **Table 4-1**. The total average annual water demand for the Project is estimated to be 613.5 af/yr, or 0.55 million gallons per day (mgd).

**Table 4-1 – Land Use Summary & Project Demands**

Land Use	Area	Density	Unit Demand Factor	Average Annual Water Demands	
	(ac)	(units/ac)	(gpm/ac)	(gpm)	(af/yr)
Open Space / Conservation Areas	251.6	-	-	-	-
Community & Interpretive Parks	31.7	-	2.00	63.4	102.2
Bluff Parks	20.6	-	1.20	24.7	39.8
75-Room Visitor-Serving Resort	5.3	-	2.00	10.6	17.1
Low Density Residential	26.1	6.3	2.03	53.0	85.5
Low-Medium Density Residential	11.8	7.3	2.16	25.5	41.1
Medium Density Residential	27.2	11.3	2.53	68.8	111.0
Medium-High Density Residential	5.8	15.0	2.87	16.6	26.8
High Density Residential	19.2	38.0	6.03	115.8	186.8
Commercial	1.7	-	1.20	2.0	3.2
<b>TOTAL</b>	<b>401.0</b>			<b>380.4</b>	<b>613.5</b>

SOURCE: Area and land use provided by the developer's landscape architect (FORMA Design) on November 20, 2009. See Appendix A for unit water demand calculations.

A review of the City's Water Master Plan shows that the current Project and associated demands are substantially less than previously planned. The original Project proposed 2,329 residential units with a total average annual water demand of approximately 1,005 af/yr, or 0.90 mgd. These previous demands for the Project were also incorporated into the City's UWMP. Therefore, the current Project water demand of 613.5 af/yr is also accounted for in the City's UWMP, upon which this Assessment relies.

## Section 5 – City of Newport Beach

The City of Newport Beach, located along the Orange County coast of southern California, has a sphere of influence that covers approximately 50 square miles. The City is bounded to the west by the Pacific Ocean. On the north, south, and east, the City is surrounded by the cities of Huntington Beach, Laguna Beach, Irvine and Costa Mesa, respectively. The City supplies water to approximately two-thirds (36 square miles) of its sphere of influence; the remainder is served by the Irvine Ranch Water District (IRWD) and MCWD (as shown on **Figure 4-1**).

The City provides water and recycled water services to approximately 80,000 residents in its service area. The City currently supplies approximately 18,000 af/yr of potable water to a total of approximately 26,000 accounts. Existing and projected population estimates for the City service area are shown in **Table 5-1**.

**Table 5-1 – Existing & Projected Population in Service Area**

	2005	2010	2015	2020	2025	2030
<b>Population</b>	79,320	80,250	81,052	81,863	82,681	83,508

SOURCE: City UWMP (December 2005).

The City distributes retail water supplies directly to its customers, which include residential (single and multi-family), commercial, and institutional/government users. The City does not supply water to other agencies except in the event of an emergency (through emergency interconnections with nearby agencies). The City's distribution system consists of 300 miles of pipelines, five pressure zones, five pump stations, and several reservoirs. The City has six connections along the Orange County Feeder and the East Orange County Feeder No. 2, with a total available capacity of 104 cubic feet per second (cfs).

The City's water supply consists of imported water, groundwater, and recycled water, summarized as follows:

- ❑ **Imported Water** – the City purchases imported water from MWDOC, who in turn receives its water from Metropolitan. Most of this imported water supply is provided through the SWP and CRA.
- ❑ **Groundwater** – the City's groundwater supply is obtained from four wells: Dolphin Shallow Well, Dolphin Deep Well, Tamura Shallow Well, and Tamura Deep Well. These wells are supplied from the Lower Santa Ana Basin and regulated by OCWD. For 2009, the City's Basin Pumping Percentage set by OCWD is 62% (62% of the City's demands can be supplied by groundwater). OCWD regulations are described in more detail in **Section 7**.
- ❑ **Recycled Water** – the City began serving recycled water in 1999, obtained through an agreement with OCWD. OCWD provides water through the Green Acres Project, which has the capability to deliver up to 1,000 af/yr. The City has programs and policies in place to promote increased recycled water use in future years including financial incentives (20 percent discount off potable water rates) as identified in Section 5 the City's UWMP.

## Urban Water Management Plan

In accordance with the California Urban Water Management Planning Act (California Water Code §§10610 et seq.), the City Council updated its 2000 UWMP in 2005. The effort involved close coordination and planning with the MWDOC and Metropolitan to ensure that supply and demand data were presented accurately. In December 2005, City Council held a public hearing and adopted the 2005 UWMP. As required by law, the City's UWMP includes projected water supplies required to meet future demands through 2030. In accordance with the requirements of California Water Code §10910(c)(2) and California Government Code §66473.7(c)(3), information from the City's UWMP has been used to prepare this Assessment. An electronic copy of the UWMP is located in **Appendix B**.



## Section 6 – Historical & Projected Water Demands

The projected demands for the City service area are based on the City's 2005 UWMP, City staff refinements, and MWDOC Member Agency Surveys. MWDOC and Metropolitan use the most recent regional growth forecasts from the Southern California Association of Governments (SCAG) to calculate future demands within their service areas. This provides for consistency between the retail and wholesale water agency demand projections, in an effort to ensure that adequate supplies are being planned for the City's existing and future water users. SCAG's growth forecasts are based on the land use policies of its member cities, so planned growth is essentially included in the water demand forecasts of the City. The historical and projected water demands for the City service area are shown in **Table 6-1**.

**Table 6-1 – Historical & Projected Water Demands**

Water Use Sector	Annual Demand (af/yr)								
	FY 05-06	FY 06-07	FY 07-08	FY 08-09	2010	2015	2020	2025	2030
Residential – Single Family	7,689	6,900	6,761	6,750	8,085	8,805	8,840	8,870	8,870
Residential – Multi-Family	2,761	2,585	2,529	2,184	2,820	3,072	3,084	3,095	3,095
Other <sup>1</sup>	7,370	9,524	9,056	8,495	8,886	9,678	9,716	9,751	9,751
<b>Total</b>	<b>17,820</b>	<b>19,009</b>	<b>18,346</b>	<b>17,429</b>	<b>19,791</b>	<b>21,555</b>	<b>21,640</b>	<b>21,716</b>	<b>21,716</b>

SOURCE: City UWMP (December 2005), City demand records.

<sup>1</sup> Includes commercial, institutional, and landscaping land uses and unaccounted-for losses.

Southern California is currently in a multiple dry-year event. Due to the drought and recent regulatory restrictions on SWP allocations, Metropolitan issued a Water Supply Allocation Plan on July 1, 2009 triggering mandatory conservation throughout Southern California (reduction by 10%). Delivery to a member agency of more than its allocated amount of Metropolitan supplies subjects the member agency to a penalty of from one to four times Metropolitan's full service rate for untreated Tier 2 water. In turn, MWDOC has implemented Stage 2 of their Water Supply Allocation Plan, which passes along the increased cost of imported water to its member agencies if the conservation measures are not met.

As a result of these factors and the City's efforts to increase public awareness of the need to conserve water, **Table 6-1** shows a reduction in demands over the last two years (663 af/yr between fiscal years 06-07 and 07-08 and another 917 af/yr between 07-08 and 08-09, for an average reduction of 4.2% each year). It is anticipated that water conservation trends will continue in the future, as the City adopted a Water Conservation and Supply Level Regulations ordinance in December 2009 that has mandatory permanent water conservation requirements that are effective at all times (even during non-shortage conditions). Note that these reductions are not factored into the projections from the City's 2005 UWMP. Therefore, the 2010 through 2030

demands shown in **Table 6-1** could be less. The City's water conservation programs and ordinances are described in more detail below.

## **Demand Management (Water Conservation)**

Demand management, or water conservation, is frequently the lowest-cost resource available to a water agency. Water conservation programs are developed and implemented on the premise that water conservation increases water supply by reducing the demand on available supply, which is vital to the optimal use of the region's supply resources. Water conservation is addressed in the City's UWMP as an element of the long-term strategy for meeting present and future water needs.

The City became a member of the California Urban Water Conservation Council (CUWCC) in August 2005. The CUWCC was created to increase urban water use efficiency statewide and assist in increasing water conservation through partnerships among urban water agencies, public interest organizations, and private entities. This consensus-building effort resulted in "Memorandum of Understanding Regarding Urban Water Conservation in California" (MOU), as amended September 16, 1999, which formalizes an agreement to implement best management practices (BMPs) for conserving water. Those signing the MOU have pledged to develop and implement fourteen BMPs if economically feasible.

The City has submitted annual reports to CUWCC in accordance with the MOU that identify water demand management measures currently being implemented, or scheduled for implementation. Copies of the 2007 and 2008 reports are included in **Appendix A**.

## **Water Conservation & Supply Level Regulations**

As a result of recent dry years and restrictions of the Delta in northern California, the City adopted an ordinance in December 2009 titled "Chapter 14.16 Water Conservation and Supply Level Regulations" (included in **Appendix A**). The ordinance creates a Water Conservation and Supply Shortage Program that establishes permanent water conservation requirements during non-shortage conditions and further establishes four levels of water supply shortage response actions to be implemented during times of declared water shortage. The mandatory permanent water conservation requirements are effective at all times (including during a Water Supply Shortage) and include the following restrictions on:

- ☐ Flow duration for non-low flow drip type or non-weather controlled landscape irrigation systems fed by potable water
- ☐ Excessive runoff from landscape irrigation
- ☐ Washing down hard or paved surfaces
- ☐ Excessive water loss from plumbing breaks / leaks
- ☐ Irrigating during a rainfall event and installation of non-weather based irrigation systems
- ☐ Non-recirculating water features / commercial car washing facilities
- ☐ Washing vehicles
- ☐ Serving water at eating / drinking establishments



- ❑ Daily towel / linen laundering at lodging establishments
- ❑ Installing single pass cooling systems on premises requesting a new water service
- ❑ Type of new washing machines at commercial laundries
- ❑ Use of water from a hydrant or at construction sites
- ❑ Type of new equipment installed in commercial kitchens

During a Water Supply Shortage, the following are the four levels of mandatory water conservation and their requirements:

❑ **Level One:**

- Limit outdoor watering to scheduled irrigation days
- Cutbacks in water usage (up to 10%)
- Increased response time to fix broken / leaking plumbing (within 72 hours of notification from the City)
- Limit filling of ornamental water features / pools (once per week)

❑ **Level Two:**

- Further reduction in scheduled irrigation days and no watering between 9:00 a.m and 5:00 p.m. on any day
- Increased cutbacks in water usage (11-25%)
- Increased response time to fix broken / leaking plumbing (within 48 hours of notification from the City)
- Increased limitations for filling of ornamental water features / pools (once every other week)

❑ **Level Three:**

- Further reduction in scheduled irrigation days and no watering between 9:00 a.m and 5:00 p.m. on any day
- Increased cutbacks in water usage (26-40%)
- Increased response time to fix broken / leaking plumbing (within 24 hours of notification from the City)
- No filling of ornamental water features / pools

❑ **Level Four:**

- No outdoor watering
- Increased cutbacks in water usage (more than 40%)
- No new potable water services / meters
- Level Three broken / leaking plumbing response times and water feature limitations remain the same

## Section 7 – Historical & Projected Water Supplies

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As a member agency, the City purchases all of its imported potable water from MWDOC. As a member agency of Metropolitan, MWDOC in turn purchases its imported water from Metropolitan. The City's groundwater pumped from the Lower Santa Ana Basin is regulated by OCWD. The statutory relationships between MWDOC and its member agencies, Metropolitan and its member agencies, and OCWD and its member agencies establish the scope of the City's entitlements to potable water. Due to the City's dependency on these agencies, this Assessment includes information on the existing and projected supplies, supply programs, and related projects of MWDOC, Metropolitan, and OCWD along with the demands and supplies within the City service area.

### Metropolitan Water District of Southern California

Metropolitan was formed in 1928 to develop, store, and distribute supplemental water in southern California for domestic and municipal purposes. As embodied in their Administrative Code §§4200 and 4201, water will be available to cities and areas within Metropolitan's legal boundaries and it is their mission to provide its service area with adequate and reliable supplies of high quality water to meet present and future needs in an environmentally and economically way.

Metropolitan's 2004 IRP identifies a mix of resources (imported and local) that when implemented Metropolitan projects' will provide 100 percent reliability for full-service demands through the attainment of regional targets set for conservation, local supplies, SWP supplies, CRA supplies, groundwater banking, and water transfers. The 2004 update to the IRP included a conservative planning buffer supply to mitigate against the risks associated with implementation of local and imported supply programs. The planning buffer identified an additional increment of water that could potentially be developed if other supplies are not implemented as planned. As part of implementation of the planning buffer, Metropolitan committed to periodically evaluating supply development to ensure that the region is not over-developing supplies. If managed properly, the planning buffer is intended to help ensure that the southern California region, including Orange County, will have adequate supplies to meet future demands.

In November 2005, Metropolitan adopted its *2005 Regional Urban Water Management Plan* (2005 RUWMP), in accordance with state law. The resource targets included in the 2004 IRP Update serve as the foundation for the planning assumptions used in the 2005 RUWMP. Metropolitan's 2005 RUWMP contains a water supply reliability assessment that includes a detailed evaluation of the supplies necessary to meet demands over a 25-year period in average, single dry-year and multiple-dry year periods. As part of this process, Metropolitan also uses SCAG's regional growth forecast in calculating regional water demands for southern California.

As stated in Metropolitan's 2005 RUWMP, the document may be used as a source document for meeting the requirements of SB 610 until the next scheduled update is completed in 2010. In addition, the 2005 RUWMP includes a "Justification For Supplies" in its Appendix A.3 that

details the planning, legal, financial, and regulatory basis for including each source of supply in the plan. An electronic copy of the 2005 RUWMP is located in **Appendix B**.

As discussed in **Section 3**, Metropolitan developed a Supply Plan in April 2008 to identify specific resource and conservation actions to manage water deliveries for the next five years under continued drought conditions and court-ordered restrictions. The Supply Plan focuses on water conservation, Colorado River transactions, near-term Delta actions, SWP transactions, groundwater recovery, and local resources. Metropolitan is also working on a 2009 IRP Update with the continued mission of providing adequate and reliable supplies to meet present and future needs. The update will address the emerging challenges of climate change and endangered species. Although imported sources will remain important baseline supplies, it is envisioned that conservation and new local supplies (e.g., recycling and ocean water desalination) will provide the water for growing needs.

## **Municipal Water District of Orange County**

MWDOC was formed by Orange County voters in 1951 under the Municipal Water District Act of 1911 with the mission to ensure water reliability to the communities it serves. Today, 28 retail water agencies and cities rely on MWDOC for imported water. MWDOC is Metropolitan's third largest member agency and represents the interests of its client agencies. MWDOC supplies are delivered through several aqueducts, two of which (the Orange County Feeder and the East Orange County Feeder No. 2) supply the City. Prior to installing wells in 1997, the City's entire water supply was imported from MWDOC.

In December 2005, the MWDOC Board of Directors adopted its 2005 Urban Water Management Plan (2005 Plan) in accordance with state law. The 2005 Plan contains a water supply reliability assessment that identifies a diverse mix of imported and local supplies necessary to meet demands over the next 25 years in average, single dry-year and multiple-dry year periods. In the 2005 Plan, no shortages were anticipated within MWDOC's service area if projected MWDOC and member agency supplies were developed as planned, and with Metropolitan's IRP implemented. The 2005 Plan includes the original larger Project demands from the City's Water Master Plan and UWMP. An electronic copy of the 2005 Plan is located in **Appendix B**.

## **Orange County Water District**

OCWD was formed in 1933 to protect the County's water rights on the Santa Ana River and manage the underground aquifer, making optimum use of local supplies and augmenting those with imported supplies provided through the Metropolitan member agencies in the County. The use of the groundwater supply is regulated by the OCWD through a Groundwater Basin Management Plan that is usually updated every five years (the latest is dated July 2009, with an electronic copy located in **Appendix B**). OCWD's jurisdiction includes four main non-adjudicated groundwater basins: the La Habra Basin, the San Juan Basin, the Laguna Canyon Basin, and the Lower Santa Ana Basin (Basins). OCWD typically recharges the Basins with Santa Ana River flows, recycled water, and imported water (when available) to maintain groundwater levels.

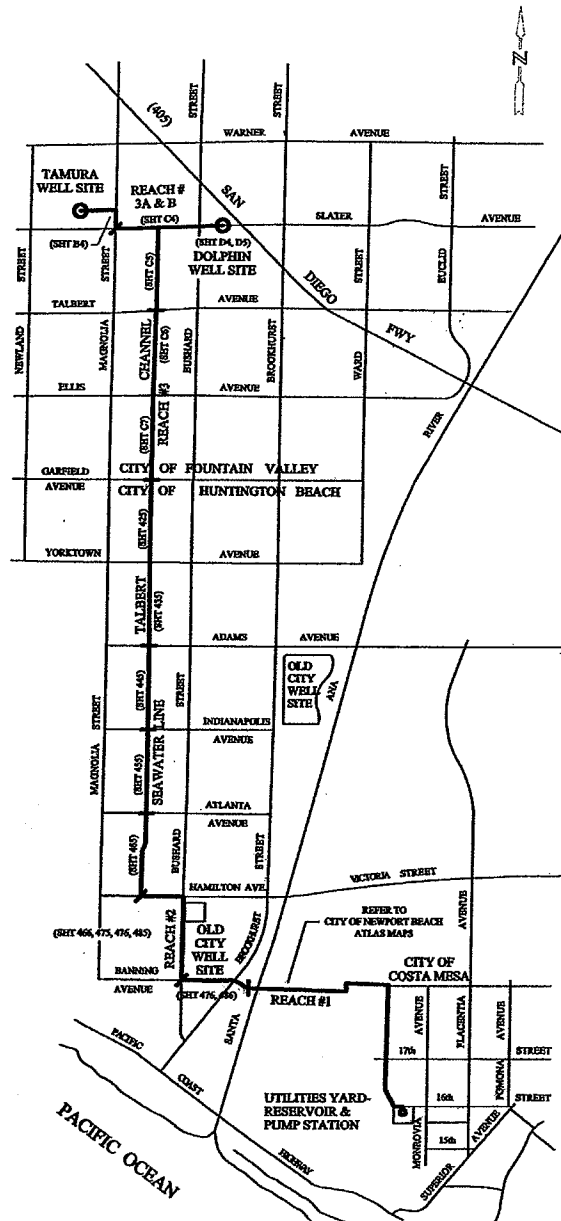
The Basin's pumping is not operated on an annual safe-yield basis (i.e., no pumping restrictions exist). As such, the net change in storage in any given year may be positive or negative. In order to maintain the long term viability of basin supplies, OCWD sets an annual BPP (the percentage of groundwater production out of the total water demand) for each member agency that is governed through financial incentives. Pumping up to the BPP is charged a fee on a per acre-foot basis. Groundwater production above the BPP is charged at a higher rate, typically set so the cost of groundwater production above the BPP is similar to the cost of purchasing alternative supplies. Pumping agencies do not accrue individual storage rights if they pump less than the BPP, a major difference compared to most adjudicated basins. Additionally, agencies cannot transfer groundwater pumping rights.

The City became a member of OCWD (with the right to draw groundwater) in August 1986. A copy of the annexation agreement is located in **Appendix A**. The City receives all its groundwater from the Lower Santa Ana Basin, also referred to as the Coastal Plain of Orange County Groundwater Basin (Groundwater Basin Number 8-1), as listed in California's Bulletin 118 (included in **Appendix A**). The Lower Santa Ana Basin underlies a coastal alluvial plain in the northwestern portion of Orange County, and is bounded by consolidated rocks on the north in Puente and Chino Hills, on the east in the Santa Ana Mountains, and on the south in the San Joaquin Hills. It is bounded by the Pacific Ocean on the southwest and approximately by the Orange County-Los Angeles County line on the northwest, and it underlies the lower Santa Ana River watershed. Bulletin 118 identifies the Lower Santa Ana Basin as Type A, which indicates that the basin has been investigated and modeled to determine the potential effects of changes in pumping and recharge. In the Bulletin, there is no indication that the Basin is or will become overdrafted under present management.

The City's groundwater supply is obtained from four wells located in the City of Fountain Valley, approximately five miles north of Newport Beach (see **Figure 7-1**). The wells, constructed in 1997, are owned and operated by the City and are located at two locations known as the Dolphin Well Site and Tamura Well Site. Each site contains two wells, one shallow and one deep. The physical constraint on the groundwater supply is the pumping capacity of the wells. The only legal constraint to the groundwater supply is the BPP described above that is set by OCWD. Well design capacities are listed below. The amount of groundwater pumped from each well in the last four years is shown in **Table 7-1**.

- Dolphin Shallow Well – 250 horsepower (hp), 2,500 gpm at 288 feet of head.
- Dolphin Deep Well – 400 hp, 3,200 gpm at 384 feet of head.
- Tamura Shallow Well – 250 hp, 2,300 gpm at 286 feet of head.
- Tamura Deep Well – 400 hp, 2,900 gpm at 380 feet of head.

### Figure 7-1 – City Well Locations



### Table 7-1 – Historical Groundwater Supplies

Well	Annual Amount (af/yr)			
	FY 05-06	FY 06-07	FY 07-08	FY 08-09
Dolphin Shallow	239	920	3,185	2,270
Dolphin Deep	1,590	1,434	3,728	3,565
Tamura Shallow	589	825	2,870	1,883
Tamura Deep	1,140	426	4,555	3,569
<b>Total</b>	<b>3,558</b>	<b>3,605</b>	<b>14,338</b>	<b>11,287</b>

## City of Newport Beach

The City's 2005 UWMP contains a comparison of projected water supply and estimated demands through the year 2030. The potable water resources necessary to meet projected demands include imported water (30%) and groundwater (70%). Existing and projected supplies to the City are shown in Table 7-2.

**Table 7-2 – Existing and Projected Supplies**

Supply Source	Annual Amount (af/yr)								
	FY 05-06	FY 06-07	FY 07-08	FY 08-09	2010	2015	2020	2025	2030
MWDOC (Imported)	14,012	15,093	3,743	5,843	5,758	6,157	6,362	6,226	6,256
OCWD (Groundwater)	3,558	3,605	14,338	11,287	13,590	14,921	14,778	14,990	14,960
Recycled Water	250	311	265	299	443	477	500	500	500
<b>Total</b>	<b>17,820</b>	<b>19,009</b>	<b>18,346</b>	<b>17,429</b>	<b>19,791</b>	<b>21,555</b>	<b>21,640</b>	<b>21,716</b>	<b>21,716</b>
<b>% Potable from Groundwater</b>	<b>20%</b>	<b>19%</b>	<b>79%</b>	<b>66%</b>	<b>70%</b>	<b>71%</b>	<b>70%</b>	<b>71%</b>	<b>71%</b>

SOURCE: City UWMP (December 2005), City demand records.

As previously discussed with the City's demand summary (Table 6-1), there has been an average 4% per year reduction in demands (and supply requirements) over the last two years. Because these changes post-date the City's current UWMP, these reductions are not included in the supply projections in Table 7-2.

## Section 8 – Conclusion: Availability of Sufficient Supplies

The City, MWDOC, Metropolitan, and OCWD have developed plans and are implementing projects and programs to ensure that the existing and future water users within the City service area have an adequate supply. In response to recent events, Metropolitan developed a Supply Plan in April 2008 to identify specific resource and conservation actions to manage water deliveries for the next five years under continued drought conditions and court-ordered restrictions. Metropolitan is also currently working on a 2009 IRP update to identify changes to the long-term plan and establish direction to address the present and future challenges brought by record drought, climate change, and environmental concerns.

In addition to Metropolitan's efforts, OCWD's GWR System project was completed and on-line in January 2008, and augments existing groundwater supplies by producing purified water to recharge the Basin. Phase 2 is now under design to increase production from 72,000 af/yr to 102,000 af/yr. Within the City, the Chapter 14.16 Water Conservation and Supply Level Regulations ordinance was adopted in December 2009 that establishes permanent water conservation requirements during non-shortage conditions.

**Table 8-1** lists existing and projected supplies within the City service area for normal year conditions. This comparison demonstrates that there will be adequate water supplies to meet the demands of the proposed Project, existing customers, and other future planned uses during normal year conditions.

**Table 8-1 –Projected Water Supply and Demand (Normal Year)**

Description		Annual Amount (af/yr)				
		2010	2015	2020	2025	2030
<b>Total Projected Demand <sup>1</sup></b>		<b>19,791</b>	<b>21,555</b>	<b>21,640</b>	<b>21,716</b>	<b>21,716</b>
<b>Available Supply <sup>2</sup></b>	MWDOC (Imported)	5,758	6,157	6,362	6,226	6,256
	OCWD (Groundwater)	13,590	14,921	14,778	14,990	14,960
	Recycled Water	443	477	500	500	500
<b>Total Available Supply</b>		<b>19,791</b>	<b>21,555</b>	<b>21,640</b>	<b>21,716</b>	<b>21,716</b>
<b>% Potable Supply from Groundwater</b>		<b>70%</b>	<b>71%</b>	<b>70%</b>	<b>71%</b>	<b>71%</b>
<b>Difference</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

SOURCE: City UWMP (December 2005).

<sup>1</sup> Per Table 6-1.

<sup>2</sup> Per Table 7-2.

**Table 8-2** provides a comparison of estimated future normal year, single dry-year, and multiple dry-years supply and demand conditions, and the data adequately demonstrates that City supplies will be sufficient to meet future demands during dry-year period conditions. The basis for the information is provided in the City's UWMP, and was derived from analyses using MWDOC's water balance computer model.

The computer model simulated three variables (retail demand, local supplies, and imported supplies) over the 83 years from 1922 to 2004. The average of the 83 simulations represents the normal water year. The hydrologic conditions for 1961 and the period from 1959 to 1961 yielded the highest single-year and three-year demands for imported supply. During dry-years, it is assumed that local supplies will reduce and the reliability of imported supply will increase through Metropolitan's water transfer and storage programs. As an example, groundwater supply decreases from 70% during normal years to between 60% and 64% during the first multiple dry-year. During the third multiple dry-year, the groundwater supply further decreases to between 49% and 59%.

**Table 8-2 – Projected Water Supply and Demand  
(Normal, Single Dry-Year, and Multiple Dry-Years)**

Description		Annual Amount (af/yr)				
		Normal Year	Single Dry-Year	Multiple Dry-Years		
				Year 1	Year 2	Year 3
2010						
Total Projected Demand		19,791	20,889	20,553	20,193	20,889
Available Supply	MWDOC (Imported)	5,758	8,450	7,260	8,099	8,450
	OCWD (Groundwater)	13,590	11,996	12,850	11,651	11,996
	Recycled Water	443	443	443	443	443
Total Available Supply		19,791	20,889	20,553	20,193	20,889
% Potable Supply from Groundwater		70%	59%	64%	59%	59%
Difference		0	0	0	0	0
2015						
Total Projected Demand		21,555	22,751	22,376	22,155	22,751
Available Supply	MWDOC (Imported)	6,157	9,911	8,706	10,114	9,911
	OCWD (Groundwater)	14,921	12,363	13,193	11,564	12,363
	Recycled Water	477	477	477	477	477
Total Available Supply		21,555	22,751	22,376	22,155	22,751
% Potable Supply from Groundwater		71%	56%	60%	53%	56%
Difference		0	0	0	0	0
2020						
Total Projected Demand		21,640	22,840	23,053	22,423	22,840
Available Supply	MWDOC (Imported)	6,362	11,314	8,978	10,771	11,314
	OCWD (Groundwater)	14,778	11,026	13,575	11,152	11,026
	Recycled Water	500	500	500	500	500
Total Available Supply		21,640	22,840	23,053	22,423	22,840
% Potable Supply from Groundwater		70%	49%	60%	51%	49%
Difference		0	0	0	0	0



*Newport Banning Ranch  
Water Supply Assessment*

Description		Annual Amount (af/yr)				
		Normal Year	Single Dry-Year	Multiple Dry-Years		
				Year 1	Year 2	Year 3
2025						
Total Projected Demand		21,716	22,921	23,144	22,511	22,921
Available Supply	MWDOC (Imported)	6,226	10,726	9,006	10,168	10,726
	OCWD (Groundwater)	14,990	11,695	13,638	11,843	11,695
	Recycled Water	500	500	500	500	500
Total Available Supply		21,716	22,921	23,144	22,511	22,921
% Potable Supply from Groundwater		71%	52%	60%	54%	52%
Difference		0	0	0	0	0
2030						
Total Projected Demand		21,716	22,921	23,170	22,519	22,921
Available Supply	MWDOC (Imported)	6,256	11,104	8,639	10,308	11,104
	OCWD (Groundwater)	14,960	11,317	14,031	11,711	11,317
	Recycled Water	500	500	500	500	500
Total Available Supply		21,716	22,921	23,170	22,519	22,921
% Potable Supply from Groundwater		71%	50%	62%	53%	50%
Difference		0	0	0	0	0

SOURCE: City UWMP (December 2005).

As previously discussed in **Sections 6 and 7**, there has been an average 4% per year reduction in the City's demands (and supply requirements) over the last two years due to the drought, SWP cutbacks, and increased conservation through heightened public awareness and implementation of conservation-based rate structures. With the City recently adopting its water conservation ordinance, it is anticipated that these water conservation trends will continue in the future. These reductions are not reflected in the projections from the 2005 UWMP and used in this Assessment. Also, the demands shown for the single and multiple dry-year projections are larger than the normal year demands. This is likely because the preparation of the UWMP followed a very wet year (Winter 04-05), and water was more abundant. Now, with the current cutbacks and restrictions in place, actual demands would likely be less.

This Assessment demonstrates that there will be adequate water supplies to meet the demands of the proposed Project, and the existing and other planned development within the City. This conclusion is based on the supply and demand comparisons from the current UWMP, which the statute states to rely on. It is acknowledged that uncertainties have come to light since the 2005

UWMP. However, the present and future challenges brought by record drought, climate change, and environmental concerns are beyond the scope of this Assessment and will be addressed in the upcoming UWMPs for the City, MWDOC, and Metropolitan. The water agencies involved in providing the supply are devoting considerable resources and energy to maintaining its reliability for customers and potential customers within their service areas.

## **Source Documents**

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- California Department of Water Resources, Guidebook for Implementation of Senate Bill 610 and Senate Bill 221 of 2001, October 8, 2003
- California Department of Water Resources, Bulletin 118 Update, October 2003
- California Urban Water Conservation Council, 2007-2008 City of Newport Beach Coverage Report
- City of Newport Beach, General Plan, July 25, 2006
- City of Newport Beach, 2005 Urban Water Management Plan, December 2005
- City of Newport Beach, Water Master Plan, December 1999
- City of Newport Beach, Master Site Plan, May 2009 and Vesting Tentative Tract Map 17308
- City of Newport Beach, Draft Water Conservation and Supply Level Regulations, October 2009
- County of Orange, Central Orange County Integrated Regional and Coastal Watershed Management Plan, August 2007
- Irvine Ranch Water District, Water Resources Master Plan, July 16, 2003
- Metropolitan Water District of Southern California, Integrated Resources Plan Update, July 2004
- Metropolitan Water District of Southern California, Report on Metropolitan's Water Supplies: A Blueprint for Water Reliability, March 2003
- Metropolitan Water District of Southern California, 2005 Regional Urban Water Management Plan
- Metropolitan Water District of Southern California, 2009 Bond Statement, November 20, 2009
- Municipal Water District of Orange County, 2005 Urban Water Management Plan, December 2005
- Municipal Water District of Orange County, Water Rate\$, Water System Operations, and Financial Information, 2005-2008
- Municipal Water District of Orange County, Understanding Water Supply Allocations and the Impacts on Orange County Customers, 2009

Municipal Water District of Orange County, MWDOC Response to Grand Jury Report – “Paper Water” – Does Orange County Have a Reliable Future?, September 2009

Orange County Grand Jury, “Paper Water” – Does Orange County Have a Reliable Future?, 2008-2009

Orange County Water District, ‘05-‘06 and ‘06-‘07 Engineer’s Report on the Groundwater Conditions, Water Supply and Basin Utilization in the Orange County Water District

Orange County Water District, Groundwater Management Plan 2009 Update, July 9, 2009

Water Agency Standards (Helix, Lakeside, Otay, Padre Dam, Ramona, San Dieguito, Santa Fe) WAS Guidelines, September 7, 2004

Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

# **Appendix A**

## **Project Demand Calculation**

Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

## **Appendix A**

### **California Department of Water Resources Bulletin 118, Coastal Plain of Orange County Groundwater Basin (Basin Number 8-1)**

Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

## **Appendix A**

### **California Urban Water Conservation Council 2007- 2009 Coverage Report**

Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

## **Appendix A**

### **City Ordinance Chapter 14.16 – Water Conservation and Supply Level Regulations**



Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

# **Appendix A**

## **City / OCWD Annexation Agreement**

Available at City of Newport Beach  
Utilities Department  
949 West 16<sup>th</sup> Street and  
[www.newportbeachca.gov/BanningRanch](http://www.newportbeachca.gov/BanningRanch)

## **Appendix B**

*(on compact disc)*

**Metropolitan Water District of Southern California  
2005 Regional Urban Water Management Plan**

**and**

**Metropolitan Water District of Southern California  
2009 Bond Statement**

**and**

**Municipal Water District of Orange County  
2005 Urban Water Management Plan**

**and**

**City of Newport Beach  
2005 Urban Water Management Plan**

**and**

**Orange County Water District  
2009 Groundwater Management Plan**



1919 S. State College Blvd.  
Anaheim, CA 92806-6114



June 18, 2008

M.E. Nollkamper, Inc.  
940 Manor Way  
Corona, CA 92882

Attn: Milt Nollkamper

**Subject: Will Serve Letter for Newport Banning Ranch in Newport Beach.**

Thank you for your inquiry regarding the availability of natural gas service for your project. We are pleased to inform you that Southern California Gas Company has facilities in the area where the aforementioned project is proposed. Gas service to the project can be provided from an existing gas main located in various locations. The service will be in accordance with the Company's policies, and extension rules on file with the California Public Utilities Commission when the contractual arrangements are made.

This letter is not a contractual commitment to serve the proposed project but is only provided as an informational service. The availability of natural gas service is based upon conditions of gas supply and regulatory agencies. As a public utility, Southern California Gas Company is under the jurisdiction of the California Public Utilities Commission. Our ability to serve can also be affected by actions of federal regulatory agencies. Should these agencies take any action, which affect gas supply, or the conditions under which service is available, gas service will be provided in accordance with the revised conditions.

This letter is also provided without considering any conditions or non-utility laws and regulations (such as environmental regulations), which could affect actual construction of a main and/or service line extension (i.e., if hazardous wastes were encountered in the process of installing the line). The regulations can only be determined around the time contractual arrangements are made, and construction has begun.

Contact the New Business Project Manager for your area at (714) 634-7219 or visit our web site [www.socalgas.com](http://www.socalgas.com) for information on current energy efficiency programs, gas equipment, or to find out how to get your line extension project started.

Thank you again for choosing clean, reliable natural gas, your best energy value.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Simonoff".

Paul Simonoff  
Technical Services Supervisor  
Pacific Coast Region- Anaheim

PS mr  
wilserv.doc

DATE: 5/19/08

COMPANY: M. E. Nollkamper, Inc.

SUBJECT: Newport Banning Ranch      Newport Beach
---

Dear: Mr. Nollkamper,

This is to advise that the subject property is located within the service territory of the Southern California Edison Company (SCE) and that the electrical loads of the project are within parameters of projected load growth which SCE is planning to meet in this area.

Our total system demand is expected to continue to increase annually; however, excluding any unforeseen problems, our plans for new distribution resources indicate that our ability to serve all customers' loads in accordance with our rules and tariffs will be adequate during the decade of the 2000's.

Current conservation efforts on the part of SCE customers have resulted in energy savings. Optimization of conservation measures in this project will contribute to the overall energy savings goal.

If you have any additional questions, please feel free to call me at (714) 895-0363 .

Sincerely,  
Jeff Gilbert



Customer Service Planner



June 5, 2008

Milt. Nollkamper  
M. E. Nollkamper, Inc.  
940 Manor Way  
Corona, CA, 92882  
Office # 951/808-4645

**Preliminary Project Information:**

Newport Banning Ranch  
Orange County TG page 888, F-4  
Newport Beach, Ca.

To Whom It May Concern,

Thank you for your request regarding the availability of cable service for the above mentioned project.

Time Warner Cable, holder of the local cable television franchise, has facilities in the general area to the proposed project. The service provided will be in accordance with Time Warner's requirements set forth in the franchise and pursuant to applicable laws, rules & regulations.

This letter is provided only as a source of information and not a contractual commitment.

***Before Time Warner can begin work for any project, a right of entry agreement will need to be executed.***

Please call me at (714) 414-1351 when you are ready to start the contract process or if you have any questions.

Sincerely,

B. Matthew Rodriguez

Time Warner Cable  
Business Development Account Executive  
3430 E Miraloma Avenue  
Anaheim, Ca. 92806  
(714) 414-1351 Office  
(714) 276-0243 Fax  
[matthew.rodriguez@twcable.com](mailto:matthew.rodriguez@twcable.com)



3939 East Coronado, 2<sup>nd</sup> Floor  
Anaheim, California 92807

05-28-2008

M. E. Nollkamper, Inc  
Attn: Milt Nollkamper  
940 Manor Way  
Corona, CA, 92882  
Re: Will Serve Notice

Dear Mr. Nollkamper,

This letter is written to confirm that the proposed development of the "Newport Banning Ranch", located on western edge of Newport Beach, California, north of Pacific Coast Highway and south of 19<sup>th</sup> St. is within the Base Rate Area of the AT&T serving area in the Newport Beach Exchange. AT&T expects to be in a position to provide telephone service to applicants in the above-referenced development upon request in accordance with requirements of, and at the rates and charges specified in, its Tariffs, which are on file with the California Public Utilities Commission.

This offer to provide service will terminate 24 months after the date of this letter unless both of the following first occur: 1) you, in your capacity as the developer, enter into a written service agreement with AT&T; and, 2) you, in your capacity as developer, pay all charges you are required by AT&T's Tariffs to pay.

If you have any questions I can be contacted on 714-237-6156.

Sincerely,

Douglas Galvery

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Douglas Galvery  
Design Engineer