



THE CITY OF SAN DIEGO

Water Supply Assessment (WSA)

WSA process

July 23, 2008



Outline

- What is a Water Supply Assessment
- Process
 - SANDAG
 - Water Department
 - CWA/MWD
- WSA Status
 - Recent WSA's
- WSA Challenges
 - Unanticipated Demand
 - “New Water Supply”
 - Current water supplies

Water Supply Assessment

- January 1, 2002, Senate Bill 610 (SB 610) and Senate Bill 221 (SB 221)
- Link between information on water supply availability and certain land-use decisions
- Requires documentation of adequate water supplies for larger projects
- Foundational document for compliance for both SB 610 and SB 221 is the Urban Water Management Plan (UWMP)



Projects requiring a WSA

- **Any proposed project** that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500 dwelling unit project.

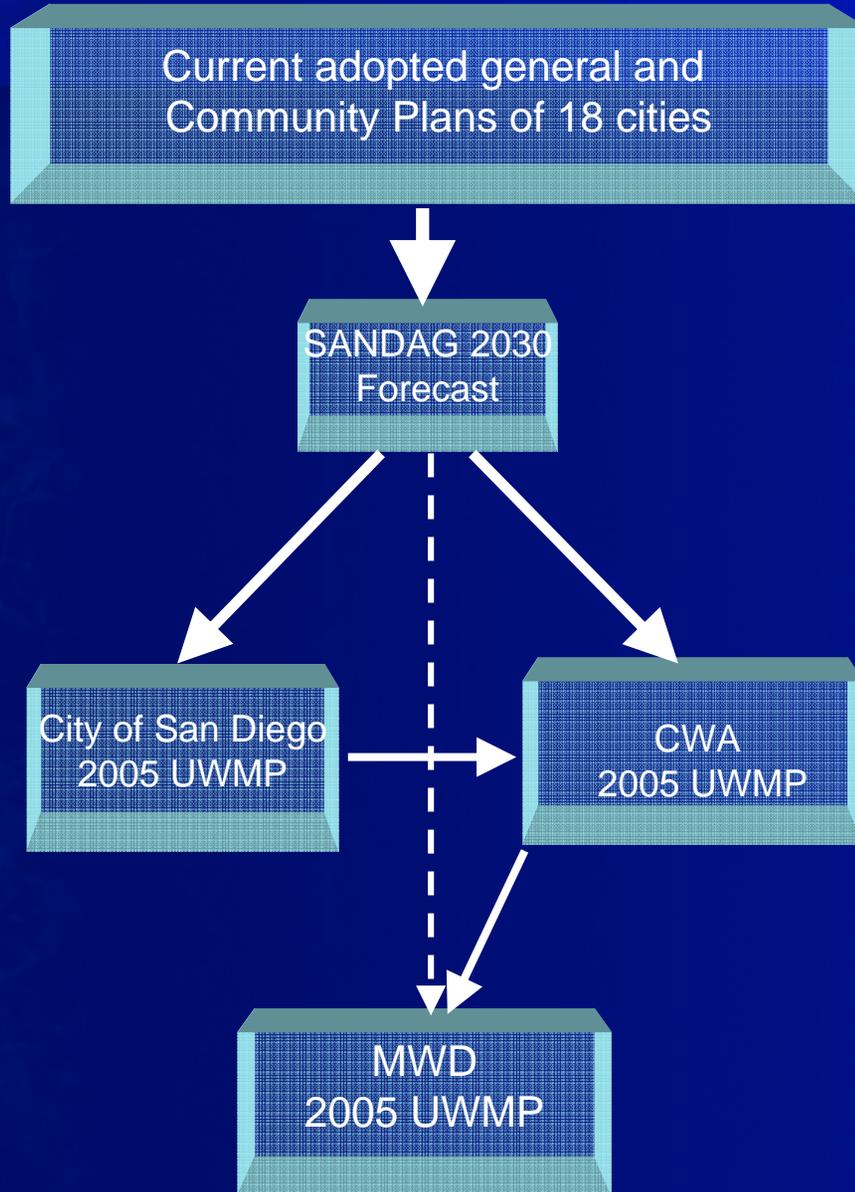


Types of proposed large development projects

The following are subject to the WSA requirement per state law:

- **Residential** development of more than 500 dwelling units
- **Hotels** or motel having more than 500 rooms
- **Shopping centers** or businesses employing more than 1,000 people or having more than 500,000 square feet of floor space;
- **Commercial office** buildings employing more than 1,000 people or having more than 250,000 square feet of floor space;
- **Industrial**, manufacturing, or processing plants or industrial parks planned to house more than 1,000 people, occupying more than 40 acres of land, or having more than 650,000 square feet of floor space;
- **Mixed use** projects that include one or more of the above types of projects.

Water Demand from SANDAG forecast



WSA Process

- Development Services Department (DSD) performs “Discretionary” Project review and makes determination if a WSA is necessary and sends request
- Water Department (Water) acknowledges request and replies it has 90 days to complete WSA upon receipt of all data
- DSD coordinates all pertinent data to Water
- Water prepares WSA upon receipt of Data
 - Water reviews data for accuracy and conformance with City design guidelines
 - Water may adjust water demands if developer can substantiate lower water use
 - Water may condition WSA based on claimed water saving measures (LEED certification, recycled water etc)

WSA process (cont'd)

- Water reviews SANDAG 2030, Master Geographic Reference Area (MGRA) map (see insert) for change in employment, housing units, and population
 - 2005 UWMP (uses Series 10 forecast)
 - If unanticipated demand – notify DSD of possible negative WSA



SANDAG 2030 Forecast (SR-10)

**Draft
For Discussion
Purposes Only**

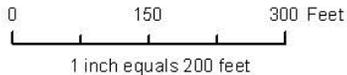


THE CITY OF SAN DIEGO

Legend

- Ballpark Mixed Use District
- SANDAG Forecast (SR10) BP
- Ballpark Village Site

DU = Dwelling Units
CE = Civilian Employment
00 = Year 2000
30 = Year 2030

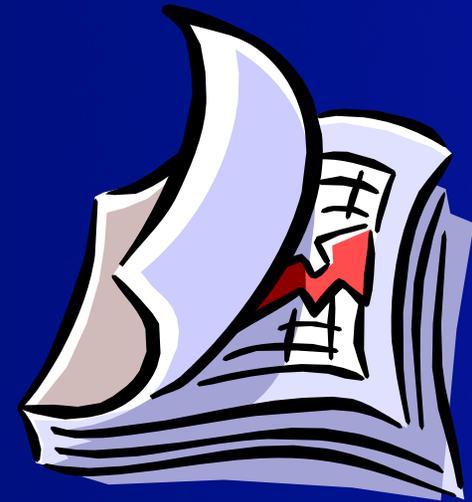


Feb 21, 2008 T.Galloway



WSA process (cont'd)

- Write WSA
 - Condition WSA as necessary
 - Internal check
 - Final signature by Director of Utilities



CWA/MWD coordination

- Reference MWD and CWA UWMP's
- Work/verify language with CWA
 - Updates for climate change
 - Updates for Delta smelt
 - Updates from annual water supply report
- Outside agency communication
 - Otay Water District
 - Los Angeles Department of Water and Power
 - Other



WSA's to date

1	Monte Verde	August-04
2	Paseo at SDSU	September-04
3	Sorrento View	October-04
4	Centerpointe at Grantville	June-06
5	Airport Master Plan	July-06
6	Sunroad Centrum	August-06
7	Southview	August-06
8	University High School	October-06
9	Central Imperial Redevelopment	December-06
10	Quarry Falls	August-07
11	University Towne Center	March-08
12	Casa Mira View	March-08
13	Ocean View Hills	April-08
14	Marriot Convention Center Hotel at Ballpark Village	July-08

WSA Challenges

- Unanticipated Potable Water Demand
- Current Water Supply situation



Water Supply Offset Charge - Concept

- New Water supply development over and above all programs the Water Department is currently pursuing
 - Non-traditional, few, if any have a program of this nature
 - Investigation currently underway
 - Capital, O&M of various programs (recycled water, MBR, conservation, turf buyout, etc)
 - Concepts for mitigation ratios
 - Water production reliability
 - Future Analysis
 - Program framework / rollout
 - Coordination with Wholesale agencies

Questions?

