

**Water Supply Assessment for the
Arantine Hills Specific Plan Project
Corona, CA**

Prepared for:

Bluestone Communities

Prepared by:

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**Table 12
City of Corona Water Service Area
Projected Water Supply and Demand Comparisons for
Normal Year, Single Dry Year, and Multi Dry Water Year (AFY)**

Normal Year					
	2010	2015	2020	2025	2030
Supply	76,860	83,804	89,964	89,964	92,208
City Service Area Demand	46,470	47,939	49,408	49,408	49,408
Difference (Supply - Demand)	30,390	35,865	40,556	40,556	42,800
Difference As % of Demand	65.4%	74.8%	82.1%	82.1%	86.6%
Single-Year Drought					
	2010	2015	2020	2025	2030
Supply	74,873	81,659	87,819	87,819	90,063
City Service Area Demand ⁽¹⁾	41,823	43,145	44,467	44,467	44,467
Sufficiency (Supply - Demand)	33,050	38,514	43,352	43,352	45,596
Difference As % of Demand	79.0%	89.3%	97.5%	97.5%	102.5%
Multi-Year Drought					
	2010	2015	2020	2025	2030
Supply ⁽³⁾	43,750	48,062	54,222	54,222	56,466
City Service Area Demand ⁽²⁾	41,922	46,397	46,597	46,897	46,897
Sufficiency (Supply - Demand)	1,828	1,665	7,625	7,325	9,569
Difference As % of Demand	4.4%	3.6%	16.4%	15.6%	20.4%
<p>(1) Proposed project demand under single year drought assumes drought reductions to 90%, 90%, 90%, 90% and 90% of normal, per City 2005 UWMP, Table 25 demand reductions.</p> <p>(2) Proposed project demands under multi-year drought assumes drought reductions to 93%, 103%, 104%, 104% and 104% of normal, per City 2005 UWMP, Table 27-37 demand modifications.</p> <p>(3) Supply under multi-year drought assumes 50% import and groundwater supplies, and 100% recycled water supply.</p>					

To reduce water demand during declared water shortages, the City has invested in developing a diverse water supply to ensure redundancy and flexibility during possible interruptions of its water supplies. The City has developed additional supply capacity to offset supply interruption from maintenance, equipment failures, natural disasters, and drought (City of Corona, 2005a, 2005b). Because the City's local well water is substantially lower in cost compared with MWD Colorado River water and SWP, the City has invested in improving the capacity of the local supply through implementation of capital improvement and replacement projects and continued planning. Planning efforts have enabled the City to be adequately prepared to accommodate a 100 percent increase in water demand under normal water year conditions (City of Corona 2005a, 2005b).