

APPENDIX F

PROJECT CONTRIBUTION FROM CONSERVATION PROGRAM E AND AQUIFER INVESTIGATION

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City of Brisbane Projected Water Demand and Supply in Normal Years, Single Dry Year, and Multiple Dry Years

Year		Normal Year	Single Dry Year (Year 1)	Year 2	Year 3	Year 4	Year 5
2020	Max Supply Allocation (AFY)	778	643	555	555	555	555
	Demand (including proposed projects) AFY	778	778	778	778	778	778
	Surplus (Deficit) AFY -with proposed projects	(0)	(135)	(223)	(223)	(223)	(223)
	(A)Conservation Program E + Aquifer Study	20	20	20	20	20	20
	(B)City-wide Conservation/Rationing		115	203	203	203	203
	Surplus (Deficit) AFY - with Mitigation Programs A & B	20	0	0	0	0	0
2025	Max Supply Allocation (AFY)	1,098	907	784	784	784	784
	Demand (including proposed projects) AFY	1,084	1,084	1,084	1,084	1,084	1,084
	Surplus (Deficit) AFY -with proposed projects	14	(177)	(300)	(300)	(300)	(300)
	(A)Conservation Program E + Aquifer Study	20	20	20	20	20	20
	(B)City-wide Conservation/Rationing		157	280	280	280	280
	Surplus (Deficit) AFY - with Mitigation Programs A & B	34	0	0	0	0	0
2030	Max Supply Allocation (AFY)	1,098	907	784	784	784	784
	Demand (including proposed projects) AFY	1,088	1,088	1,088	1,088	1,088	1,088
	Surplus (Deficit) AFY -with proposed projects	10	(180)	(303)	(303)	(303)	(303)
	(A)Conservation Program E + Aquifer Study	20	20	20	20	20	20
	(B)City-wide Conservation/Rationing		160	283	283	283	283
	Surplus (Deficit) AFY - with Mitigation Programs A & B	30	0	0	0	0	0
2035	Max Supply Allocation (AFY)	1,098	907	784	784	784	784
	Demand (including proposed projects) AFY	1,088	1,088	1,088	1,088	1,088	1,088
	Surplus (Deficit) AFY -with proposed projects	10	(181)	(304)	(304)	(304)	(304)
	(A)Conservation Program E + Aquifer Study	20	20	20	20	20	20
	(B)City-wide Conservation/Rationing		161	284	284	284	284
	Surplus (Deficit) AFY - with Mitigation Programs A & B	30	0	0	0	0	0
2040	Max Supply Allocation (AFY)	1,098	907	784	784	784	784
	Demand (including proposed projects) AFY	1,091	1,091	1,091	1,091	1,091	1,091
	Surplus (Deficit) AFY -with proposed projects	7	(183)	(307)	(307)	(307)	(307)
	(A)Conservation Program E + Aquifer Study	20	20	20	20	20	20
	(B)City-wide Conservation/Rationing		163	287	287	287	287
	Surplus (Deficit) AFY - with Mitigation Programs A & B	27	0	0	0	0	0

Project Contribution from Conservation Program E and Aquifer Investigation

Total

20 acre-ft

Notes:

1. Conservation Program E is defined in Water Supply Assessment for Opus Office Project, 2008
2. Tier 1 calculations based on wholesale supply of 152.6mgd (single dry and Year 1 of a multi-dry year) and 132.5mgd (multi-dry years)
3. Tier 2 DRIP calculations based on City of Brisbane 2040 water demand projections (updated September 2018) and the 2040 projected SFPUC water purchase totals of all remaining BAWSCA agencies (BAWSCA FY2016-17 Annual Survey, Table 3E-1)

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