Updated and Expanded Building Block Summary ***30-Jul-15***

	Building Block # / Building Block Approach	1 In-Lieu	2 ASR	3 DPR	3-small DPR small	4 IPR-Loch	5 IPR-SeaBar	6 IPR=>DPR*	7 DW Desal	7-lg DW lg.	8 Local Desal	8-lg Local Dsl lg.
a	Capital Cost ($ M)	121	141	116	90	170	153	9	151	173	140	161
b	Annual O&M cost ($ M)	2.5	3.7	4.7	3.4	7.2	5.5	4.8	6.3	7.9	3.9	4.9
c	Total Annualized Cost ($ M)	12	15	14	11	21	18	6	18	22	15	18
d	Present Value Costs ($M)	276	341	300		470	400	120	410		340	
e	Energy Use (MWH/MG)	6.6	5.9	6.3	4.5	9.6	7.8	6.3	12.4	15.5	11.0	13.8
f	Annual Production Cost ($/MG)	133,300	42,900	8200***	10,000	12,200	na	3300***	16,700	16,000	13,700	13,100
g	Average Annual Production (MG/year)	90	350	1715	1100	1715	na	1715	1100	1375	1100	1375
h	Worst Year Yield (MG)	780	800	1110	710	1050	na	1110	710		710	
i	Average Year Yield (MG)	290	310	340	330	330	na	340	330		330	
		0.37	*0.39*	*0.31*	*0.46*	*0.31*		*0.31*	*0.46*		*0.46*	
j	Worst year yield unit cost (Total Ann Cost/Wst Yr Yield)	15,400	18,800	12,600	15,500	19,900		5,000	25,900		21,300	
k	Average year yield unit cost (Total Ann Cost/Ave Yr Yield)	41,400	48,400	41,200	33,300	63,300		16,500	55,800		45,800	
	Ratio of Average / Worst	*2.69*	*2.57*	*3.27*	*2.15*	*3.18*		*3.30*	*2.15*		*2.15*	
l	Worst Year Peak Season Shortage (MG)	330	310	0	400	60	na	0	400		400	
m	Worst Year Peak Season Shortage (%)	17%	17%	0%	21%	3%	na	0%	21%	<15%**	21%	<15%**
n	Average Year Peak Season Shortage (MG)	50	30	0	10	0	na	0	10		10	
o	Average Year Peak Season Shortage (%)	<3%	<2%	0%	<1%	0%	na	0%	<1%		<1%	
p	Approximate Timeline (Years)	8	15 to 20	9 to 13	9 to 13	8	8	2 (plus 8)	7	7	6	6

C = Averaged Costs (All BBs)

	-20%	Mean	+20%
Worst Yr	14,789	18,486	22,183
Avg Yr	37,623	**47,029**	56,434
median		*45,800*	*97%*

C' = Averaged Costs (Element 3 BBs)

	-20%	Mean	+20%
Worst Yr	15,232	19,040	22,848
Avg Yr	38,304	**47,880**	57,456
median		*45,800*	*96%*

C'' = Averaged Costs (Element 1 & 2 BBs)

	-20%	Mean	+20%
Worst Yr	13,680	17,100	20,520
Avg Yr	35,920	**44,900**	53,880
median		*44,900*	*100%*

* NOTE: As this is a conversion of Block 6 the unpaid capital costs from Block 6 would still need to be paid. Those are not included in the Block 6 costs.

** Yields not estimate at this time by *Confluence* runs, but worst year shortages expected to be less than 15%

*** This number will increase slightly (per 6 Aug 2015 update)

Also, 6 Aug 2015 included "DPR M.M-M", with only partial data; slightly more expensive and more productive than "3 DPR Small", but not explained in detail