

Marginal abatement cost curves for water scarcity mitigation under uncertainty

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Table 1 Order of cost-effectiveness with different discount rates.

Mitigation measure	1.4%	3.5%	5%
Retrofit showers & taps, hotels	1	1	1
Sub irrigation (small-scale)	2	2	2
Groundwater extraction	3	3	3
Wastewater for irrigation	4	4	4
Sub irrigation (large-scale)	5	5	5
Irrigation dams	6	6	6
Artificial recharge	7	8	9
Leakage detection	8	9	8
Surface water extraction	9	7	7
Ramp irrigation	10	10	10
Saltwater pools & toilets, campsites	11	12	12
Reuse of mining water	12	11	11
Desalination	13	13	13
Vacuum toilets	14	14	14
Greywater reuse	15	15	15
Rainwater harvesting	16	16	16
Small scale desalination	17	17	17