

**ESTIMATION OF ENERGY CONSUMPTION BY ARROW AND ZERO HR20 PROCESSES**

APPLICATION	FLOWRATE (GPM)	RAW WATER TDS (PPM)	PERMEATE RECOVER (%)	POWER CONSUMPTION (kWh/1000 GAL)	POWER CONSUMPTION (kWh/M <sup>3</sup> )	TOTAL ESTIMATED PLANT POWER (kWh/M <sup>3</sup> )
YARA BALTIMORE, CITY WATER	40	194	95	4.1	1.1	1.32
DRINKING WATER (WELL WATER)	5	660	95	11.1	2.9	3.48
DRINKING WATER (WELL WATER)	5	1590	95	10.2	2.7	3.24
HEINEKEN MEXICO BRACKISH WATER (AQUIFER)	1200	1670	95	4.1	1.1	1.32
BRYANSTON SOUTH AFRICA MINING	130	2200	97	8.97	2.4	2.88
MIAHONA SAUDI BW DESAL (BRACKISH WATER)	250	2300	94	8.8	2.3	2.76
EVIDES CHINA WRP (CTBD PLUS SRB)	900	2710	95	5.8	1.5	1.8
GORE WATER ELECTROPLATING - INDIA	44	4330	95	13.8	3.6	4.32
STRATTA ENERGY - URANIUM ISR RESTORATION	500	4790	92	8.95	2.4	2.88
AQUARION QATAR BRACKISH WATER DESAL	1250	6810	91	7.1	1.9	2.28
AQUARION REJECT WATER TREATMENT	735	53000	40	23.1	6.1	7.32
<b>AVERAGE DATA</b>	<b>459.9</b>	<b>7295.8</b>	<b>95</b>	<b>9.6</b>	<b>2.5</b>	<b>3.1</b>

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