**!!!!!!!!!!!!DO NOT CHANGE RED VALUES IN THIS SHEET. CHANGE ONLY THE YEARLY GPM VALUES!!!!!!!!!!!!**

**For the purposes of costing, the maximum R.O. feed rate was assumed to be 600 gpm.**
**The maximum practical rate is estimated at 540 gpm.**

**R.O. Plant Consumables**

Base Rate -

| | Base Rate | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R.O. Plant Rate | 300 | | 420 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 0 | 0 |
| Filters - | 700 | | 980 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 0 | 0 |
| Membranes (LPRO) - | 144 | | 201.6 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 288 | 0 | 0 |
| Membranes (HPRO) - | 44 | | 61.6 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 0 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Caustic Soda - | 600000 | | 840000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 0 | 0 |
| Sulfuric Acid - | 500000 | | 700000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 0 | 0 |
| Anti- Scalant - | 8 | | 11.2 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 0 |
| Lime (Bulk) - | 600000 | | 840000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 1200000 | 0 | 0 |
| Muriatic Acid - | 155 | | 217 | 310 | 310 | 310 | 310 | 310 | 310 | 310 | 310 | 0 | 0 |
| Membrane Cleaner - | 4 | | 5.6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 |