

Source: 10/5/11 Technical Memo, From: Paul Findley RBF
To: ~~Paul~~ Richard Sundland, Cal-Am

Submitted by MPWMD
at 10/11/11 Meeting
Item 5

- Alternative 1 – Implementation of 10 mgd Marina project;
- Alternative 2 – Implementation of 6.5 mgd Marina project with 2700 AFY MRWPCA Groundwater Recharge in Seaside, and 2700 AFY of Carmel River water used for ASR and injection dilution;
- Alternative 3 – 35 mgd Lower Carmel Valley Filtration Plant with a 6900 AFY ASR system in Seaside;
- Alternative 4 – 24 mgd Lower Carmel Valley Filtration Plant with a 6900 AFY ASR system in Seaside, with 2700 AFY MRWPCA Groundwater Recharge, and 4200 AFY of Carmel River water used for ASR and injection dilution;
- Alternative 5 – 32 mgd Lower Carmel Valley Filtration Plant, a 3.5 mgd desalination plant in North Marina, and a 5500 AFY ASR system in Seaside;
- Alternative 6 – 35 mgd Lower Carmel Valley Filtration Plant, expansion of the Sand City desalination plant from 0.3 mgd to 1.0 mgd, and a 6500 afy ASR system in Seaside;
- Alternative 7 – 32 mgd Lower Carmel Valley Filtration Plant, a 3.0 mgd desalination plant near the Naval Post Graduate School, and a 5200 AFY ASR system in Seaside;
- Alternative 8 – 20 mgd Lower Carmel Valley Iron Removal Plant, a 5 mgd desalination plant near the Naval Post Graduate School, and a 5100 AFY ASR system in Seaside;
- Alternative 9 – 35 mgd Salinas River Filtration Plant with a 6900 AFY ASR system in Seaside; and
- Alternative 10 – 10 mgd “Deep Water Desalination” Plant near Moss Landing with a 1300 AFY ASR system in Seaside.
- Alternative 11 – 5 mgd Marina project with 2700 AFY MRWPCA Groundwater Recharge in Seaside, 2700 AFY of Carmel River water used for ASR and injection dilution, and implementation of a more aggressive conservation program to reduce demand by an additional 1500 AFY. A potential variation of this alternative would be to obtain additional Table 13 direct diversion rights in lieu of additional conservation.