

73 ALTERNATIVES CONSIDERED

List of 73 Alternatives Reviewed by the SEIR

Reservoir Projects

- 1 24,000 AF Cal-Am Carmel River Dam and Reservoir
- 2 24,000 AF New Los Padres Dam and Reservoir
- 3 24,000 AF New Los Padres Dam and Reservoir w/3 MGD desalination at Sand City
- 4 18,000 AF New Los Padres Dam and Reservoir w/3 MGD desal @ unspecified site
- 5 8,000 AF New Los Padres Dam and Reservoir w/3 MGD desal @ unspecified site
- 6 23,000 AF New San Clemente Dam and Reservoir
- 7 16, 20 & 23,000 AF New San Clemente Dam and Reservoir
- 8 25,000 AF Cariada Dam and Reservoir off stream w/ pumped storage
- 9 15,000 AF Canada Dam and Reservoir w/3 MGD desal @ Sand City
- 10 6,000 AF Cachagua Creek Dam and Reservoir w/ 3 MGD desal @ unspecified site
- 11 11,000 AF San Clemente Creek Dam and Reservoir, pumped storage + 3 MGD desal
- 12 10,500 AF Chupines Creek Dam and Reservoir w/ pumped storage
- 13 45,000 AF New San Clemente Dam
- 14 Pre-1980, 154,000 AF Dam and Reservoir on Carmel River designed by the U.S. Army Corps of Engineers.
- 15 Buckeye Creek Dam and small offstream concepts

Desalination Projects

- 16 3 MGD Sand City desal + 4 MGD Marina plant
- 17 3 MGD or 5 MGD desal at Sand City,
- 18 7.5 MGD desal at unspecified site
- 19 4 MGD, 7 MGD, 9 MGD, 11 MGD, and 14 MGD desal at Marina site
- 20 7 MGD, 8 MGD, 11 MGD, and 14 MGD desal plant at Moss Landing

Dredge Existing Reservoirs

- 21 Dredge 1,280 AF of silt from San Clemente site
- 22 Dredge 860 AF of silt the from Los Padres site
- 23 Dredge both sites

Groundwater Development

- 24 MPWMD Seaside injection w/90% recovery
- 25 More production from Seaside Coastal Basin
- 26 Infiltration/recharge with Fort Ord depressions
- 27 MPWMD Seaside Basin recharge studies in 1980s
- 28 Develop Seaside Inland Basins, 1980s study
- 29 Upper Carmel Valley well development
- 30 Lower Carmel Valley well development
- 31 Carmel Valley deep fractured rock
- 32 Injection into Tularcitos Aquifer from LP Dam
- 33 Wells in Hartnel Gulch, Iris and Joselyn Canyons

Conservation and Reclamation

- 34 Retrofit Defense Language Institute and Naval Postgraduate School and all federal buildings
- 35 Retrofit toilets in all local govt. buildings and schools. Info only on Pacific Grove Unified School District.
- 36 Retrofit Defense Language Institute and Naval Postgraduate School and all federal buildings without water credits
- 37 Expand existing retrofit program to include all water appliances throughout the District
- 38 Require new construction to have dual plumbing, underground tanks, recirculating hot water. Retrofit existing buildings also.
- 39 Enforce requirements for new construction to install drought resistant landscaping
- 40 Repair leaks to Cal-Am system
- 41 Cistern program for residential and commercial government sites.
- 42 Progressive rate schedules to price out water waste
- 43 Reduce water pressure to reduce leakage
- 44 Expand conservation and education programs
- 45 Institute a Water Marketing program
- 46 Require permanent mandatory 10% rationing assume 17,100 acre-feet as base
- 47 Expand Carmel Area Wastewater District and Pebble Beach Community Services District project to include Forest Lake; possible service to Pacific Grove golf course and cemetery

- 48 Use Forest and David Ave. Lakes for potable water storage, not reclaimed water
- 49 Require Peninsula golf course to use reclaimed water
- 50 Require golf courses to cutback water use by 50%
- 51 Sewer Carmel Valley and treat for use on Carmel Valley golf courses (exchange for water rights)
- 52 Use Reclaimed water for groundwater recharge in Lower Carmel Valley or Seaside
- 53 Use Del Monte Lake and Lake Estero for subpotable supply
- 54 Stormwater capture with surface and /or groundwater storage — options include Forest and David Ave. lakes for storage, pump to Fort Ord basins, then back to Carmel River.

Importation and Water Marketing

- 55 Buy Fort Ord's water rights
- 56 Buy water from Rancho San Carlos
- 57 Buy water from Carmel Valley water rights holders
- 58 Bring in Spragg's Water Bags from Washington State
- 59 Import water from Arroyo Seco River
- 60 Import water from Lower Salinas Basin
- 61 Import water from San Felipe Project or adjacent farmers, include facility for winter storage
- 62 Import water from Big/Little Sur Rivers

Legal and other Strategies

- 63 Cal-Am obtain legal rights to 2,964 acre-feet
- 64 Cal-Am obtains legal rights to more than 2,964 acre-feet
- 65 Shift diversions to Lower Carmel Valley away from San Clemente Dam
- 66 Negotiate with State Board on order
- 67 Assert Pueblo water rights
- 68 Alternative management of supply to Carmel Valley filter plant
- 69 Utilize surface water at Laguna Seca
- 70 Watershed protection
- 71 Coordinate land use plans and water supply
- 72 Prohibit or control uses such as new golf courses, hotel rooms, restaurant seating
- 73 No action/full enforcement of SWRCB Order