Santa Clara Valley

WATER & LIVING IN A DESERT
Recycled WaterS Disposition
11 July 2013 – SC
Dr. Tom Williams, UCB ‘78
WHO IS Dr. Tom??

• Grew up in Kansas - Oil/Gas, Tornadoes, Floods/Droughts, & Fossils
• Remember WWII, Korea, Nam...First family member to go to College
• Went to Africa, India, Pakistan, Afganistan, Iran, and Europe
• Went to UCBerkeley-PhD 1967-78 - Yeah Tear Gas isn't really bad

• Finally had to really work - URS, Parsons, ERM,.....Dubai World-40 yrs
• Did my first EIR/CEQA in 1972-73, then 300+ EIRs, EISs, EAs....by 2000
• Enginr., Scient., Environ.Specialist, Project Mngr., "Technical Advisor"
• Around the World in 11,000 days via Orient, Russia, Mongolia, Southeast Asia, Majuro-Isld, Iran, Kuwait, Bahrain, Saudi, Bahrain, Qatar, UAE, Oman, Syria, Jordan, Djibouti...

• “Retired” - Kind Of – A Techie with Attitude
• Helping Sierra Club/Others in Oil/Gas, Geology, Seismology, Air Pollution, Water, Transportation, and EIRs and many others
• Also into Cal.Native Plants, Wetlands, Fossils, & Arab Spring/Year
• Know some Spanish, Russian, French, Chinese, Arabic, Indonesia,....

• A WONDERFUL LIFE
Basic Water/Salt Cycle

CWP1

Castaic Lake/Imported Water

To Sea

Santa Clara River/Valley Salt/Water

Groundwater

Discharges

Treatment Plants

Service Area

Salty Water from O&G

Salts
Brine/Reject Alternatives

A-CWP2+BayDelta

Tunnels

A- To SCRiver

A-GW Dilution

To Sea Ventura

A-Imported Trade

Source Controls

Down Rathole

To Sea/LACo
ALTERNATIVES – SCV
Pocket Book $$ vs Bay-Delta/SacValley Sierra Dams CWPX

1. To Sea – Ventura  T2CV
2. To Sea – LA-SanPedro  T2CLA
3. To SCR - Dilution Water  S2PDIW
4. To Local Geo-Rathole -  T2R/DWI
5. From Source Controls  ConsContrlConsid
Purposes and Needs

• **Goal** - Make Plan/Meet Objectives in **cost-effective**/environmentally sound manner.

Facilities Plan Objectives/Evaluation Criteria:

• **Cost Effective, Institutionally feasible,**
• **Previous Compliance demonstrated/achieved**
• **Operational "Considerations“, Public Acceptability**
• Comply with Chloride TMDL for SCV treatment/discharge facilities
  Provide chloride compliance/removal facilities/programs
• **Meet compliance deadline**
• Conserve area for future VWRP Stage VI expansion
  **Use available land ROWs, Can be constructed and expanded,**
• Provide treatmt./discharg. program for recycled reuse opportunities
  **and supportive**
• Protect Beneficial Uses of SCRiver
• **Environmentally Sound**
• We live in a DESERT –
  Rainfalls - Bakersfield-6.5, Victorville-6.2, Lancaster/Palmdale-7.4
• Not living within our local WATER Resources
  - don't want to live on our rain water (450gal/acre-day)
• Don't want to PAY for our decisions to LIVE HERE
• Don't want to use our RECYCLED Water
• Don't care about Bay, DELTA and Sac/Sierra Rivers
• Global Warming/Climate Change is HERE NOW
• Are caught between the Desert & Strawberries/SCR
DEIR COMMENTS

• *EIR is Incomplete, Inadequate and Non-Objective*

• *Purposes and Needs*
  No quantitative or scheduled needs
  No definition of Cost-Effective, Sound, Acceptable,

• *Project Description*
  Salt Balance and Cycle

• *Alternatives*
  DWI at Saugus or Valencia WWTF

• *Environmental Setting - Existing - No 2010 Census Summary*
  Future - 2035/40 - No reference to SCAG

• *Environmental Impacts – Direct/Cumulative/Secondary Impacts*
  Upstream/Downstream - SCAG, MTA, CWP/BD Commission

• *Mitigation and Mitigation-Monitoring-Reporting Program*
  Who is responsible and when

• *WHAT DO YOU THINK - WANT TO FIGHT FOR??*