Bay Area Interties
Regional Desalination Project

S.F. BAY REGIONAL FORUM, DWR
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Today’s Talk

- Regional Projects & Interties
- Ongoing Regional Efforts & Opportunities
- Next Steps & Challenges
Goals/Benefits of Regional Approach

• Goal: Improve Bay Area’s water supply reliability using a “low-cost” approach

• Regional Project Benefits:
  - Increase Reliability:
    ▪ Supplemental water supply during droughts, emergencies & shortfalls
    ▪ Diversification of water supplies
    ▪ Operational flexibility
  - Maximize use of existing facilities:
    ▪ Cost-effectiveness
    ▪ Lower environmental foot-print
EBMUD Water Supply Planning

- EBMUD adopted Water Supply Management Program 2040 in 2012
- Identifies portfolio of potential projects to meet future dry year water supply needs
- Emphasis on regional projects to meet future water supply needs:
  - Maximize use of existing infrastructure (both EBMUD and regional investments)
  - Partnerships to provide regional benefits and share costs
Regional Opportunities

- Many Bay Area agencies have recently completed major investments in water supply projects
- Unassigned capacities are available
- Regional interties provide opportunities to partner on future water supply projects via exchanges/transfers
Ongoing Regional Efforts & Opportunities

- Bay Area Regional Desalination Project
- Water Transfers/Exchanges
  - CCWD–Woodbridge short-term water transfer
  - BAWSCA Pilot Water Transfer Study
- Unassigned Freeport Capacity
- Storage in CCWD’s Expanded Los Vaqueros
- Future Zone 7 Intertie
A partnership between Bay Area’s 5 largest water supply agencies.

Together, our agencies serve over 5.6 million residents and businesses in the Bay Area.
Regional Desalination Current Status

- Up to 20 MGD capacity produced in East Contra Costa
  - Feasibility Study (2007)
  - Pilot Study (2009)
- Site specific studies (2013)
  - Wheeling Study
- Next steps: Partner interest confirmation, CEQA, Pre-Design
CCWD–Woodbridge Irrigation District Water Transfer (2013)

- Transfer completed last week (Sept 11 – 18)
- CCWD purchased 2,000 AF water from Woodbridge ID
- EBMUD wheeled the water using existing facilities/interties
- Water stored in Los Vaqueros Reservoir
Unassigned Freeport Capacity

- EBMUD completed Freeport project in 2011
  - $0.5 Billion
- Supplemental supply to EBMUD during:
  - Emergencies
  - Dry years (3 out of 10 years)
- Other years (7 out of 10): Unassigned capacity available to “partners”
EBMUD–BAWSCA Pilot Water Transfer Study

- BAWSCA and EBMUD completed a Feasibility Study to pilot a short-term water transfer (1,000 AF)
- BAWSCA would purchase transfer water from a seller north of Delta
- Wheeled through EBMUD system to BAWSCA via Hayward Intertie (SFPUC)
- When? Future Dry year (when EBMUD is operating Freeport)
Storage in CCWD’s Expanded Los Vaqueros Reservoir

- Los Vaqueros (LV) Reservoir expansion completed in 2012
- Increased storage capacity from 100 TAF to 160 TAF
- Unassigned capacity available to “partners”
- Using storage in conjunction with other projects could increase project yield
  - RDP yield increased by >75%
Next Steps & Challenges

• Focus on developing regional projects with regional benefits and cost sharing opportunities in the Bay Area

• Leverage existing assets to address fiscal constraints

• Work with key stakeholders, including resource agencies (SWRCB), to address water rights issues and streamline transfer process to encourage regional partnerships
Questions?