

Water Planning and Stewardship Committee

Item 7c

Subject: Update on 2016 Water Transfer Activity

Purpose: To Update the Board on 2016 Water Transfer Activity

Water Planning and Stewardship Committee

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Summary

Update on 2016 Water Transfer Activity



Update on 2016 Water Transfer Activities

Water Planning and Stewardship Committee

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April 11, 2016

Potential Transfers and Exchanges in 2016



Delta Export Pumps

Potential Transfers and Exchanges in 2016

Upstream of Delta Programs

- SWC Buyers Group
- Yuba Accord - Surface Water
- Yuba Accord - GW Substitution
- Stanislaus River Flow

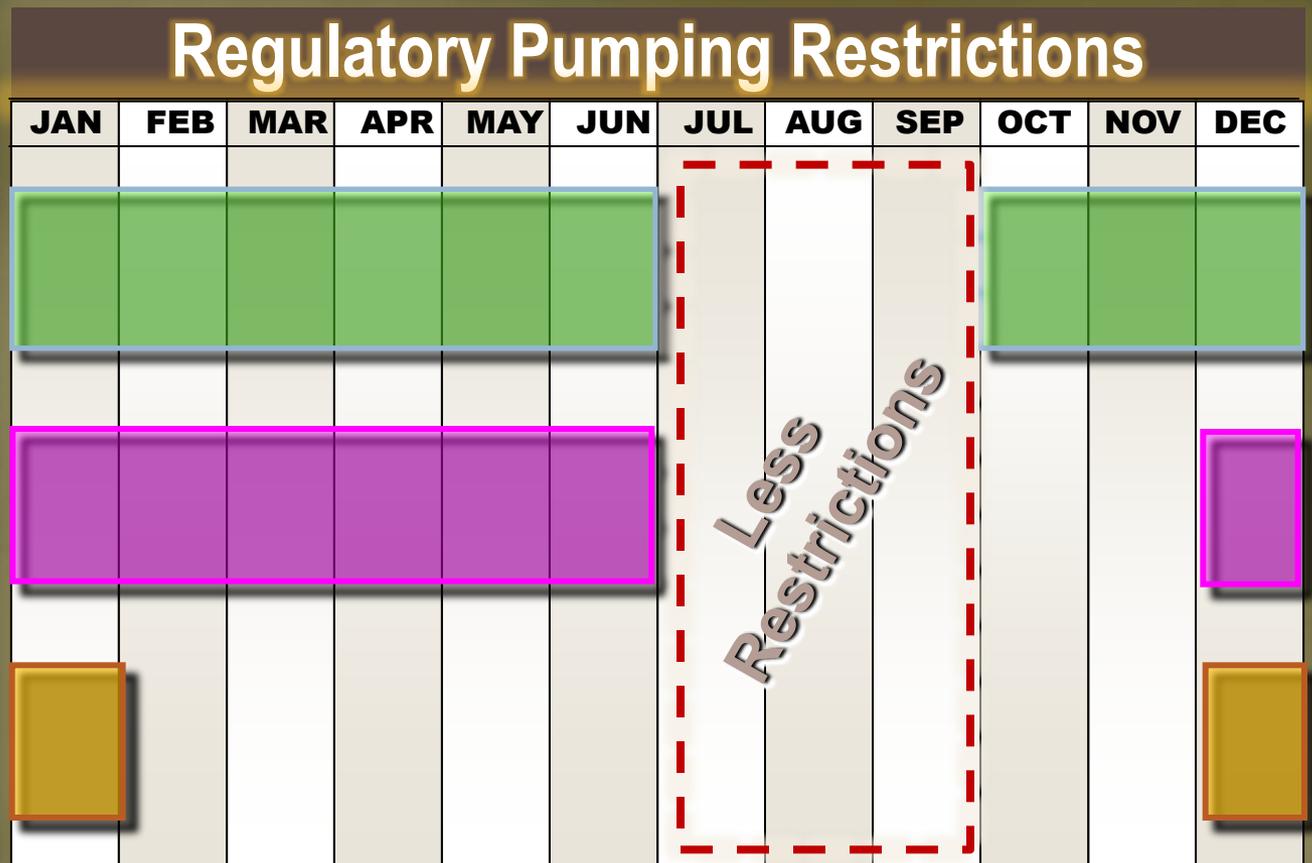


South of Delta Programs

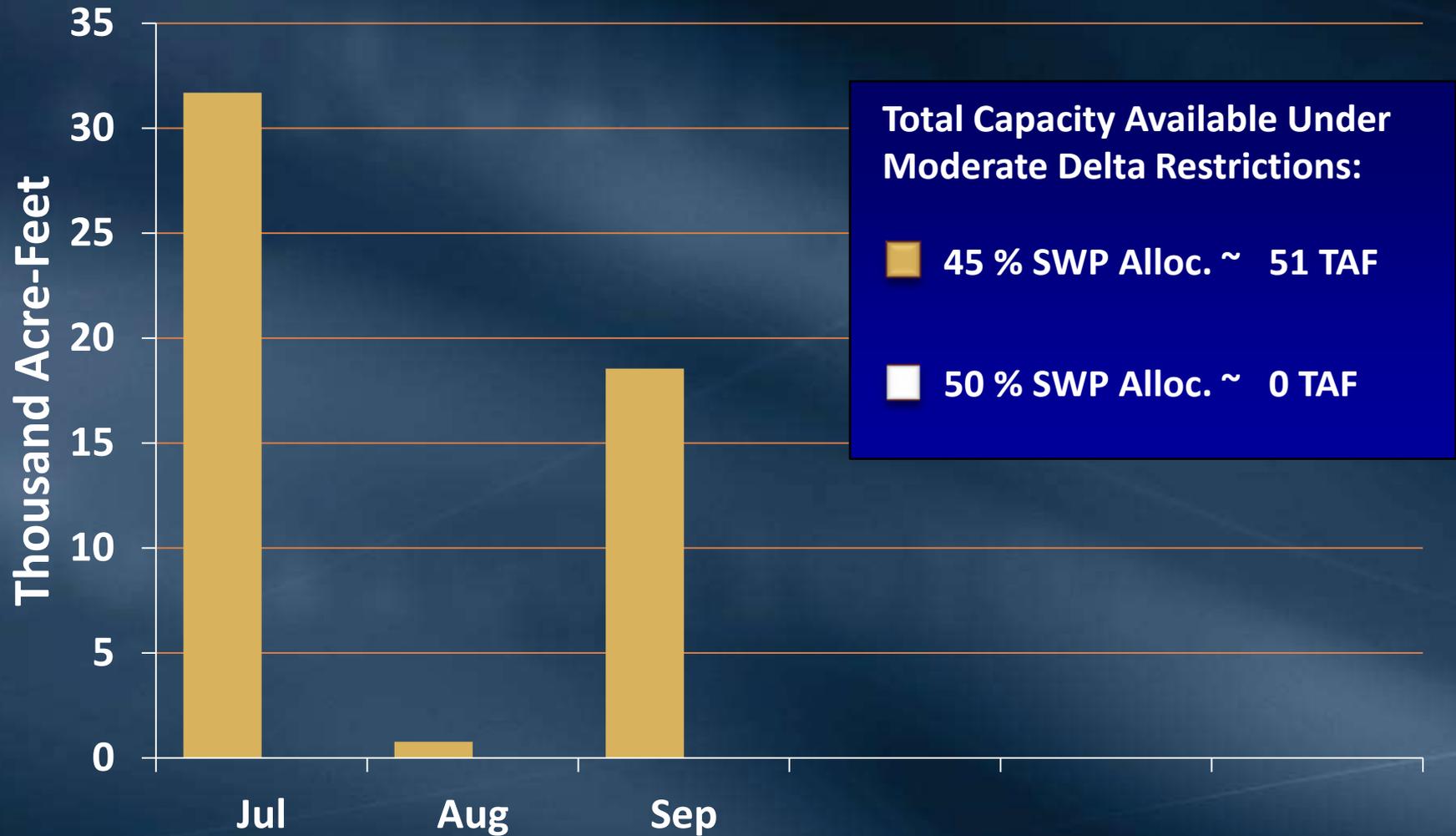
- Multi-Year Water Pool
- Arvin-Edison WQ Exchange
- Favorable Unbalanced Exchanges

Pumping Flexibility Reduced

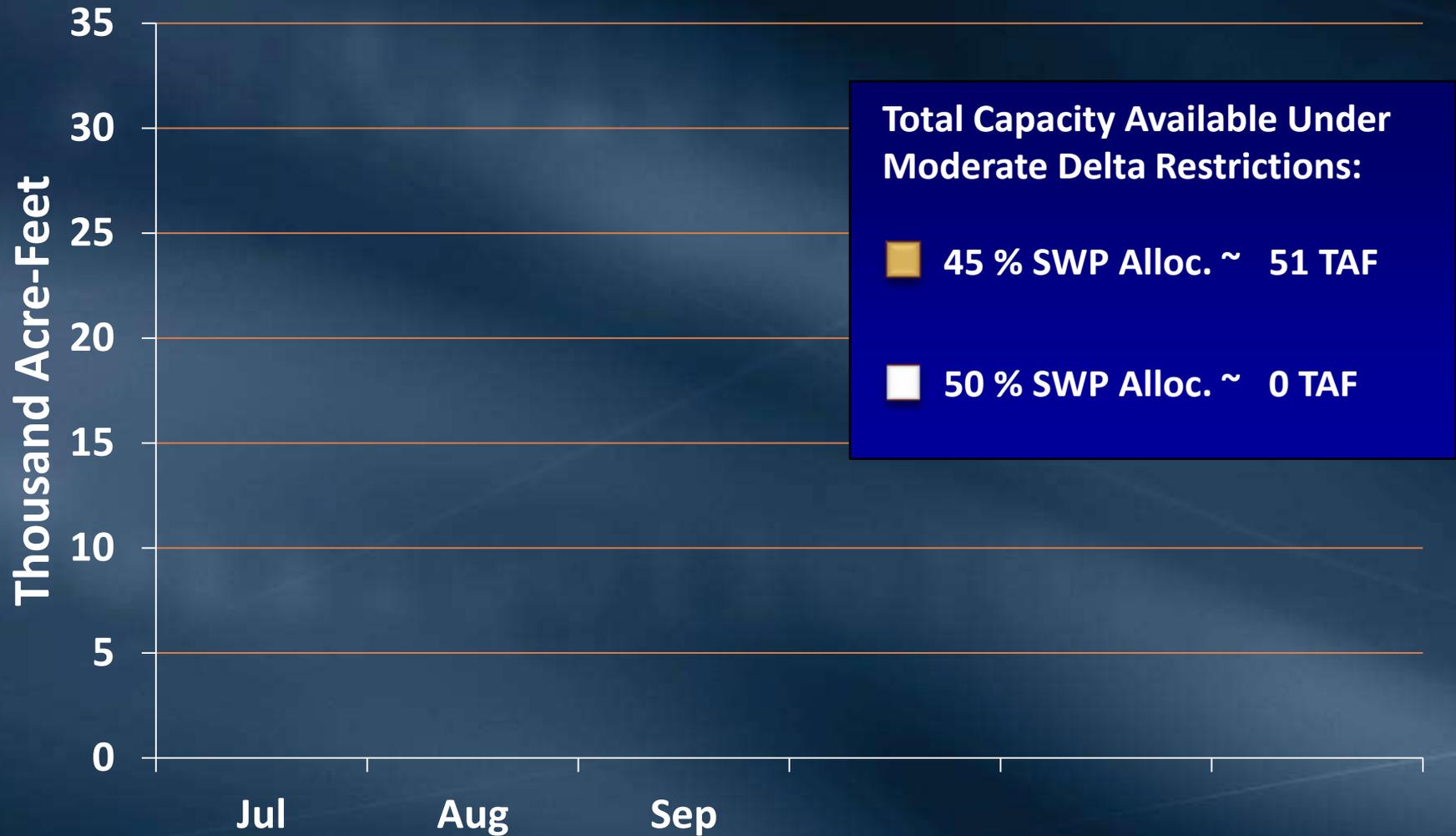
Window restricted even during wet years



Capacity to Move Water Transfer Supplies through Banks Pumping Plant in 2016



Capacity to Move Water Transfer Supplies through Banks Pumping Plant in 2016



SWC Buyers Group Purchases (Risky this Year)

- 2/9/16 - MWD Board authorized participation
- 2/23/16 - Term sheet issued for \$550/AF
- Latest DWR studies indicate Delta export capacity is very limited at 45% allocation and unavailable at 50% allocation
- Approximately 50% risk of spilling if water stays in Lake Oroville in 2016
- Recommend not pursuing following-based transfers in 2016

Yuba Accord Surface Water Purchases

- 10/14/14 - MWD Board authorized surface water purchases between 2016 and 2020
- Price varies from \$50/AF-\$350/AF depending on hydrology
- 2016 – Anticipate 15 TAF at \$350/AF
- No risk, since purchase amount is based on amount delivered

Yuba Accord GW Substitution Purchases

- Purchases of groundwater substitution supplies are negotiated on an annual basis
- 3/2/16 – Negotiation Session 1
- 4/8/16 – Negotiation Session 2
- Similar concerns about Delta export capacity
- Recommendation in May based on updated Delta export capacity information

Stanislaus River Flow Purchase

- NMFS BiOp requires minimum Stanislaus River fish flows in April-May
- DWR and San Luis & Delta-Mendota Water Agency (SLDMWA) will purchase up to 75 TAF of additional flows
- 65 TAF at \$300/AF and 10 TAF at \$400/AF
- Sellers: Oakdale and South San Joaquin IDs
- DWR and SLDMWA split purchased flows 50-50
 - Bolsters SWP and CVP allocations

Stanislaus River Flow Purchase

- Releases measured at Goodwin Dam on Stanislaus River
- Releases will augment exports on a 1:1 basis



Multi-Year Water Pool

- 2/10/15 - MWD Board authorized purchases
- Purchases of SWP Table A supplies
- No Delta carriage losses
- 2015 - Purchased 1,374 AF @ \$276/AF
- 2016 - If SWP allocation remains 45%, MWD will purchase 3,092 AF @ \$207/AF

Arvin-Edison Water Quality Exchange

- 5/8/07 - MWD Board authorized exchange of up to 50 TAFY
- Improves water quality in California Aqueduct
- Implementing a 10 TAF intra-year exchange
- For each AF, MWD receives a \$50/AF credit towards future put payments (\$500K savings)
- Potential to increase exchange amount
- Exploring favorable unbalanced exchanges

Summary

- Upstream of Delta purchases are risky this year
- Staff will make a recommendation on purchasing Yuba groundwater substitution supplies and SWC Buyers Group non-following supplies next month
- Staff is shifting focus to securing south of Delta water supplies through favorable unbalanced exchanges

