



Central Basin Groundwater Rights Management

Board of Water Commissioners - August 6, 2020



Water Year 2020 Groundwater Rights Accounting

Allowable Pumping Allocation (APA) Available 44,126 AF

APA Retired -29,207 AF

Unpumped APA 14,919 AF



Recommended Plan for Unpumped APA

Unpumped APA	14,919.34
Carry Over <i>(20% of 32,692 AF APA)</i>	-6,538.40
*Convert APA to Storage <i>(Max allowed)</i>	-6,434.35
**Lease to Lakewood	-1,946.59

Unpumped APA Remaining	0.00
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* *Board Agenda Item 6*

** *Board Agenda Item 7*



6. Converting APA to Storage

Pay replenishment assessment upfront to put water in storage,
BUT no cost when withdrawing from storage.



				Total Cost
Cost to store and pump from storage	No RA	Pay for storage \$\$\$	No RA	\$\$\$
Normal RA cost to pump w/o storage	\$	\$	\$	\$\$\$



6. Converting APA to Storage

Storage and withdrawing from storage actually results in a net savings due to RA increase from WY20 to WY21



6,434 AF of APA	2,500 AF	2,500 AF	1,434 AF	Total Cost
Storage Cost \$365/AF	\$0	\$2,348,538	\$0	\$2,348,538
Cost to pump from storage	\$0	\$0	\$0	\$0
Normal RA cost \$382/AF	\$955,000	\$955,000	\$547,922	\$2,457,922



Benefits of Converting APA to Storage

Immediate FY20 cost savings:


Portion of 2021 pumping will cost \$365 /AF instead of \$382 /AF
 $\$17 /AF \times 6,434.35 AF = \$109,384$

Future cost savings:

Preserves APA so that LBWD can pump extra groundwater in the future instead of purchasing imported water
 $(\$1,078 /AF MWD - \$582 /AF LBWD GW) \times 6,434.35 AF = \$3+ \text{ million}$



7. Lease APA to Lakewood

- Unpumped APA for Water Year 2020 exceeds LBWD limits for Carry Over and Storage by 1,946.59 AF
 - Lakewood has unused Carry Over capacity available
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- Temporarily lease APA out to Lakewood and lease back APA in next Water Year

Preserves APA so LBWD can pump extra groundwater in the future instead of purchasing imported water

$(\$1,078 \text{ /AF MWD} - \$582 \text{ /AF LBWD GW}) \times 1,946.59 \text{ AF} \approx \1 million



Staff Recommendations

6. Authorize the General Manager to execute all necessary documents to convert 6,434.35 acre-feet of Central Basin carryover to storage in an amount not to exceed \$2,348,538.
7. Authorize the General Manager to execute an Agreement to lease 1,946.59 acre-feet of Allowable Pumping Allocation to the City of Lakewood for the period of July 1, 2019 through June 30, 2020 and to execute an Agreement to lease 1,946.59 acre-feet of Allowable Pumping Allocation from the City of Lakewood for the period of July 1, 2020 through June 30, 2021.



Questions?



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