

Reservoir Committee Meeting

Agenda Item 3-2, Materials for Allocating
Reservoir Storage

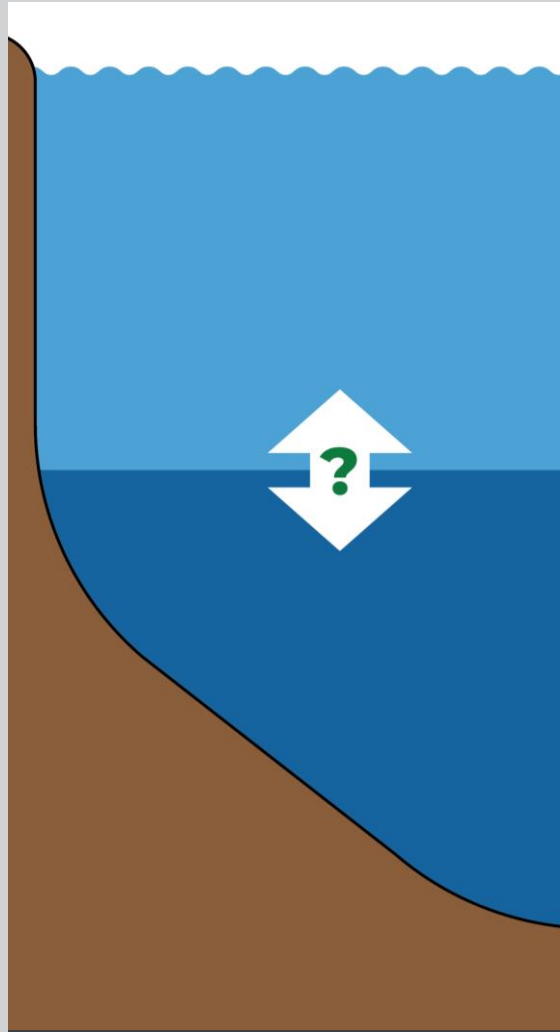
July 15, 2021



Allocating Reservoir Storage



STORAGE BENEFITS



**HOW MUCH
STORAGE
DO I NEED?**

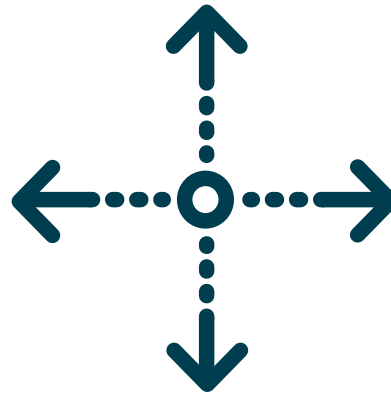


QUESTIONS ?

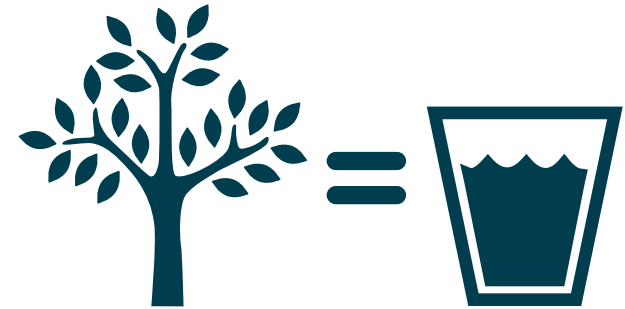
Benefits of Investing in Storage



**RELIABLE
CERTAIN**



**FLEXIBLE
LOCAL CONTROL**



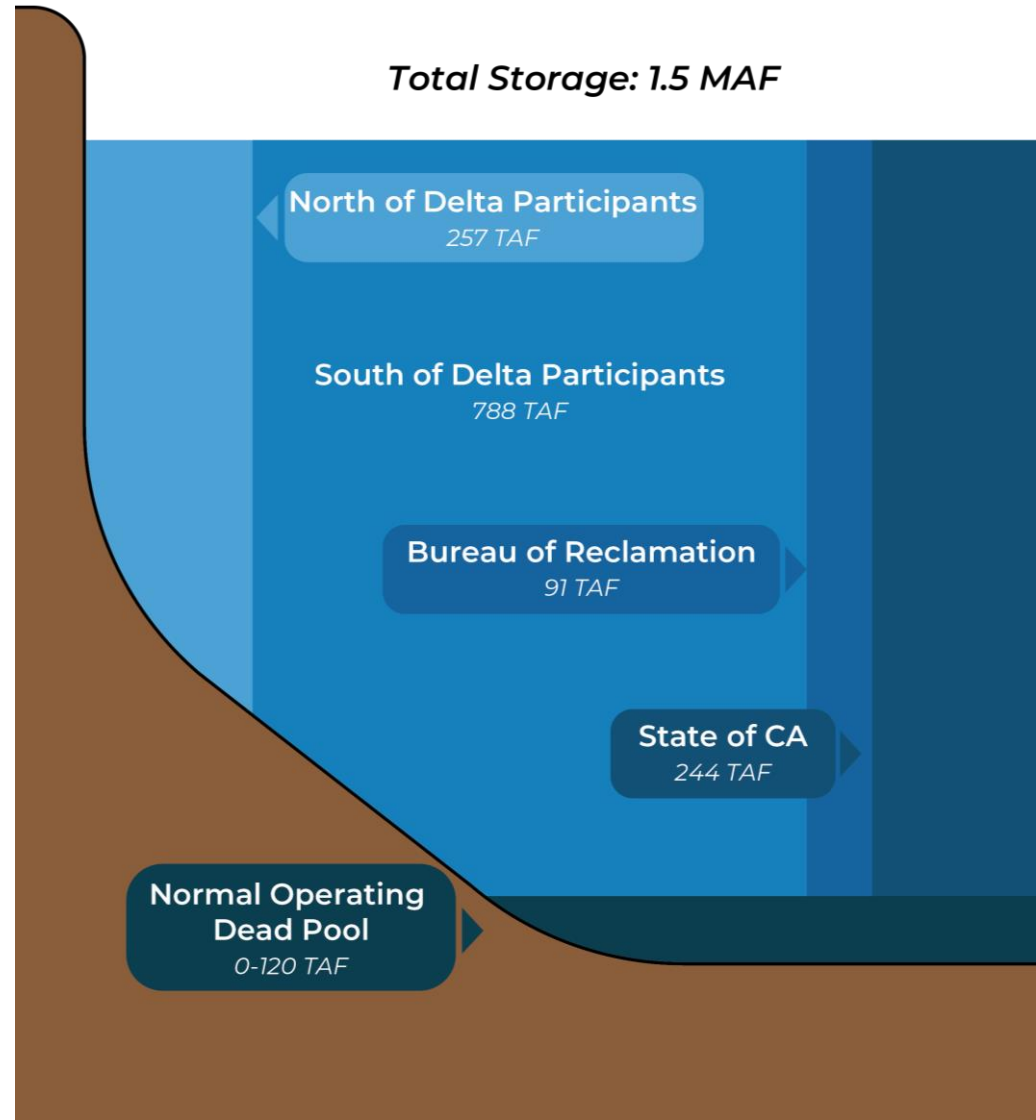
EQUITABLE

Storage Partner Benefits



RELIABLE CERTAIN

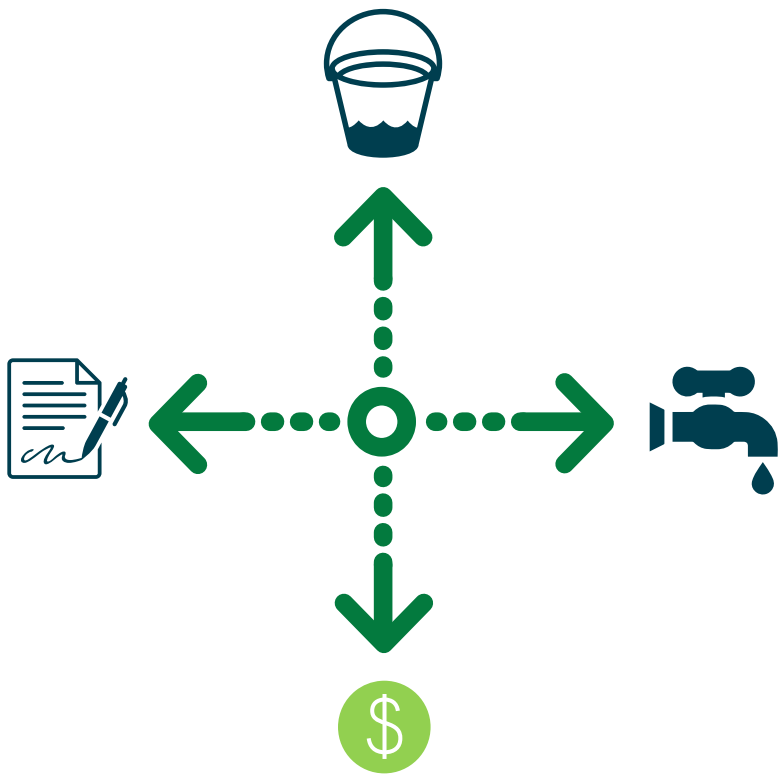
- Known storage space and diversions to storage
- Improved ability to deliver in dry years
- Certainty in availability



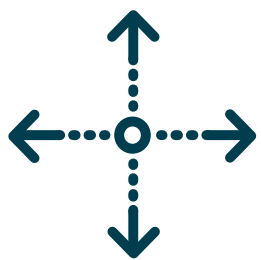
Storage Partner Benefits



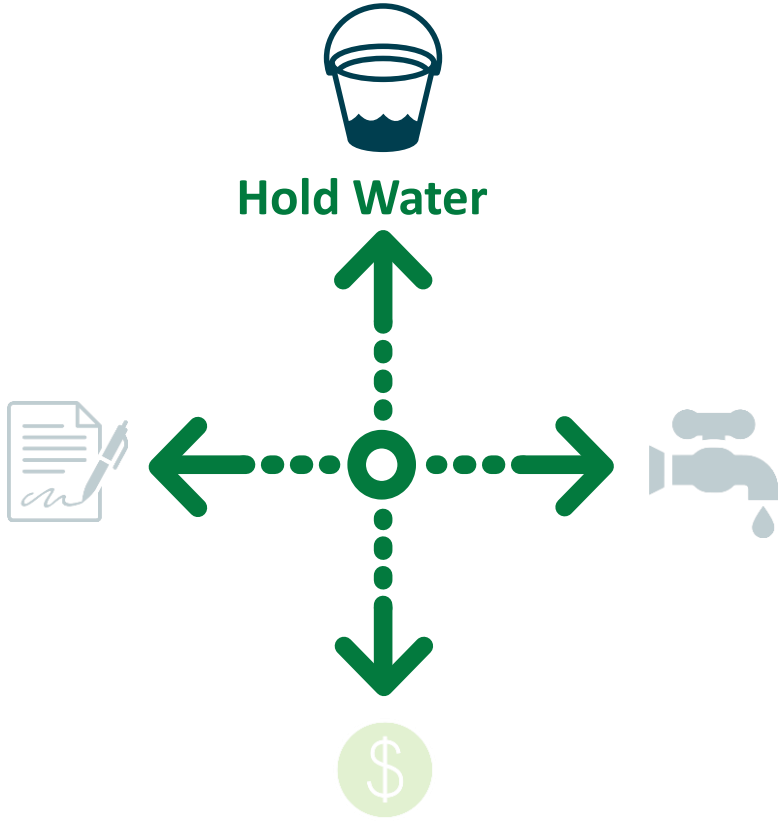
 **FLEXIBLE**
LOCAL CONTROL



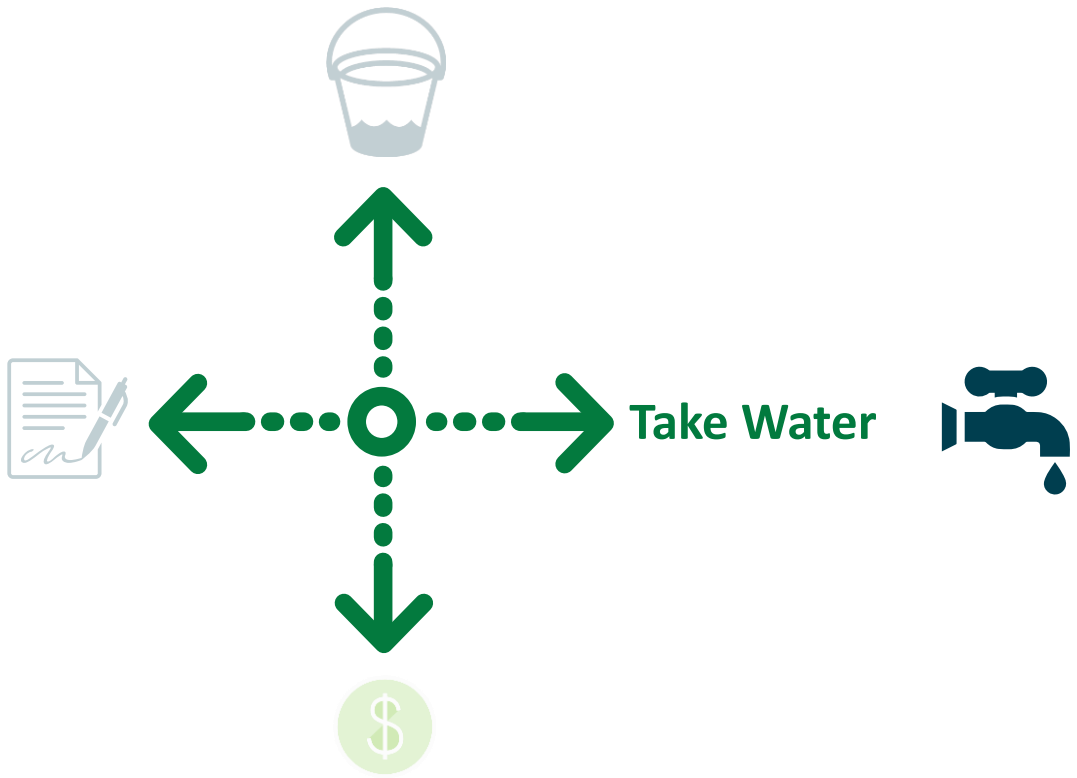
Storage Partner Benefits



FLEXIBLE
LOCAL CONTROL



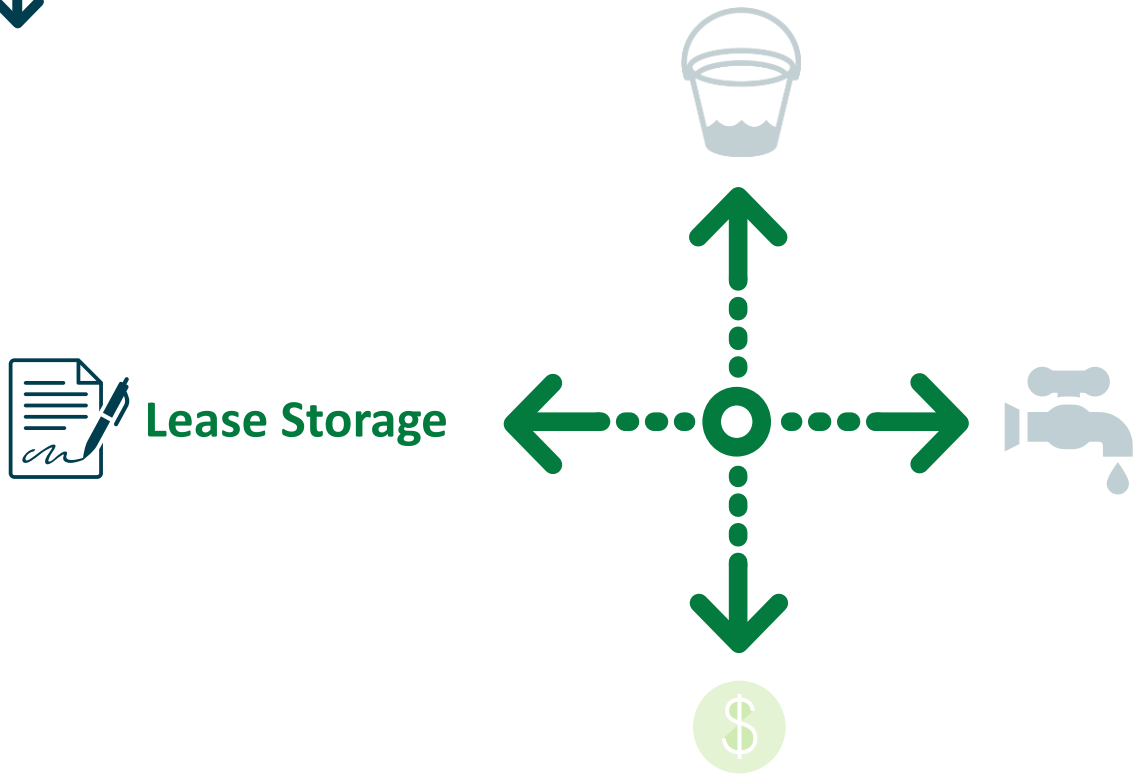
Storage Partner Benefits



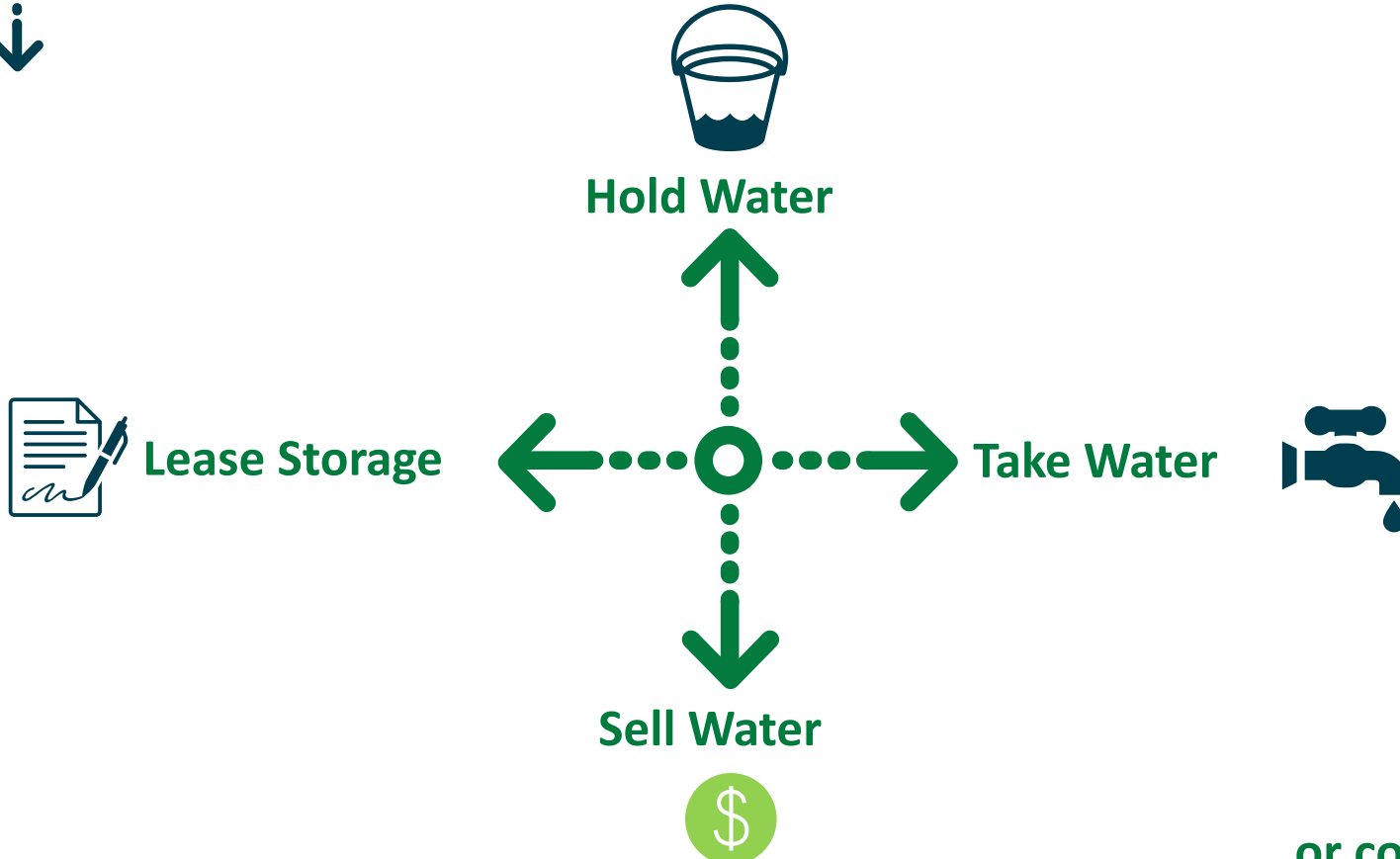
Storage Partner Benefits



Storage Partner Benefits



Storage Partner Benefits



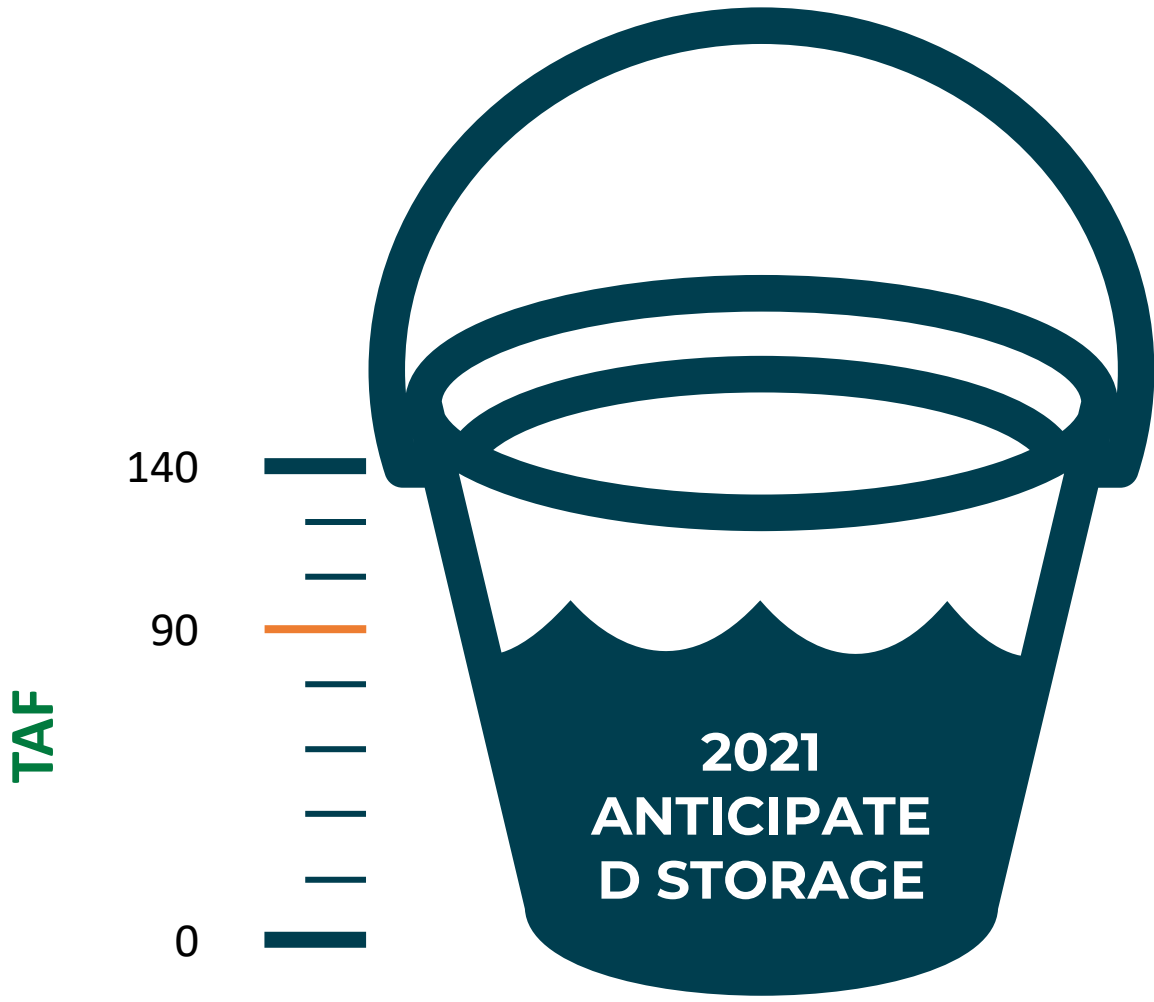
... or combinations

Storage Partner Benefits



- Storage space does not define operations/options
- Unit price for storage same for all
- Current participation level translates directly to amount of storage space
- Beneficiary pays

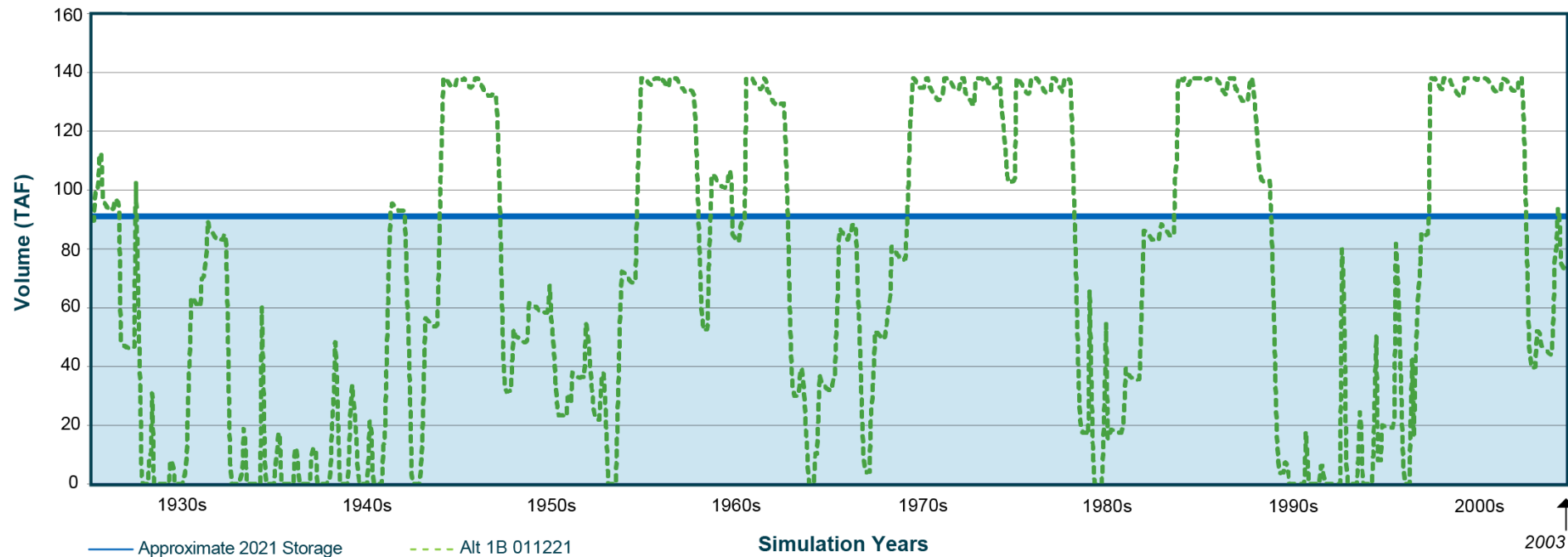
Example: Tehama-Colusa Canal Authority



Example: Tehama-Colusa Canal Authority



SITES STORAGE: TCCA



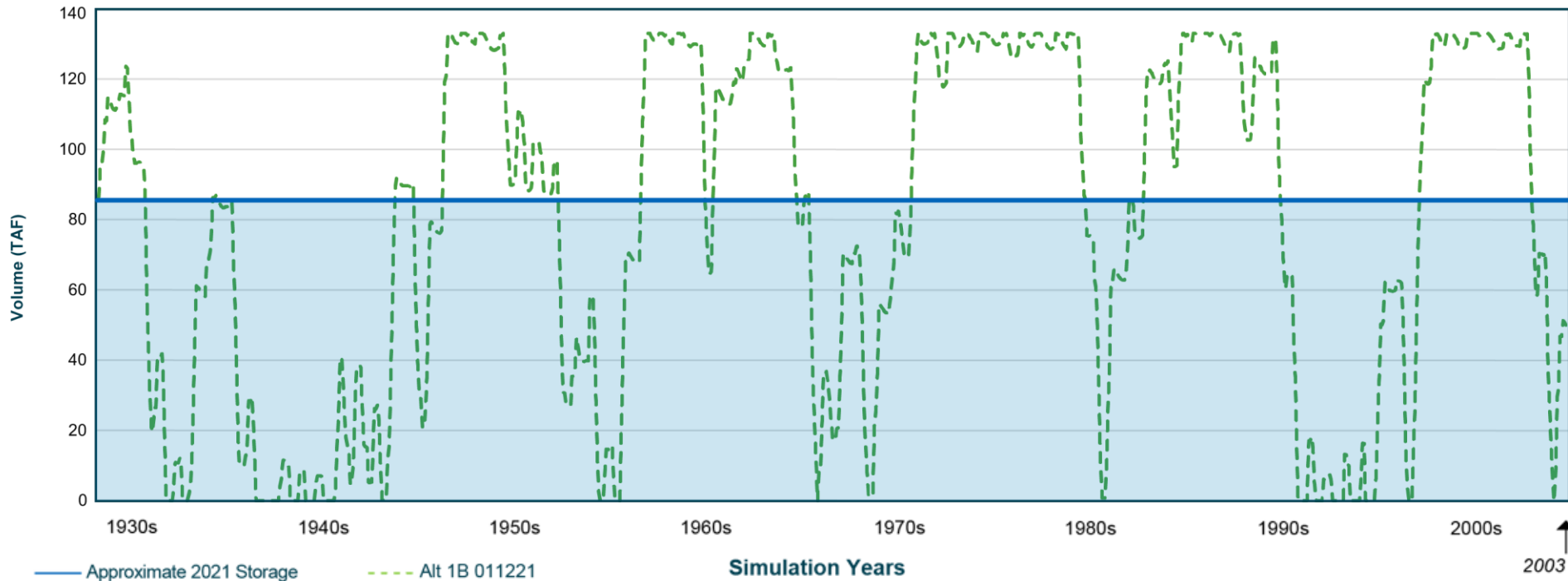
Example: San Bernardino Valley Municipal Water District



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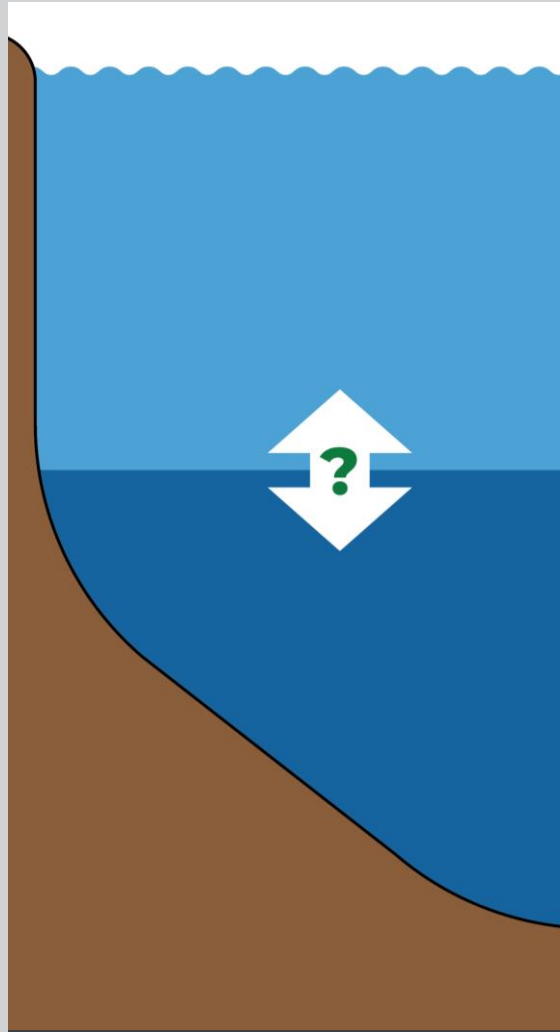


SITES STORAGE: San Bernardino Valley MWD





STORAGE BENEFITS



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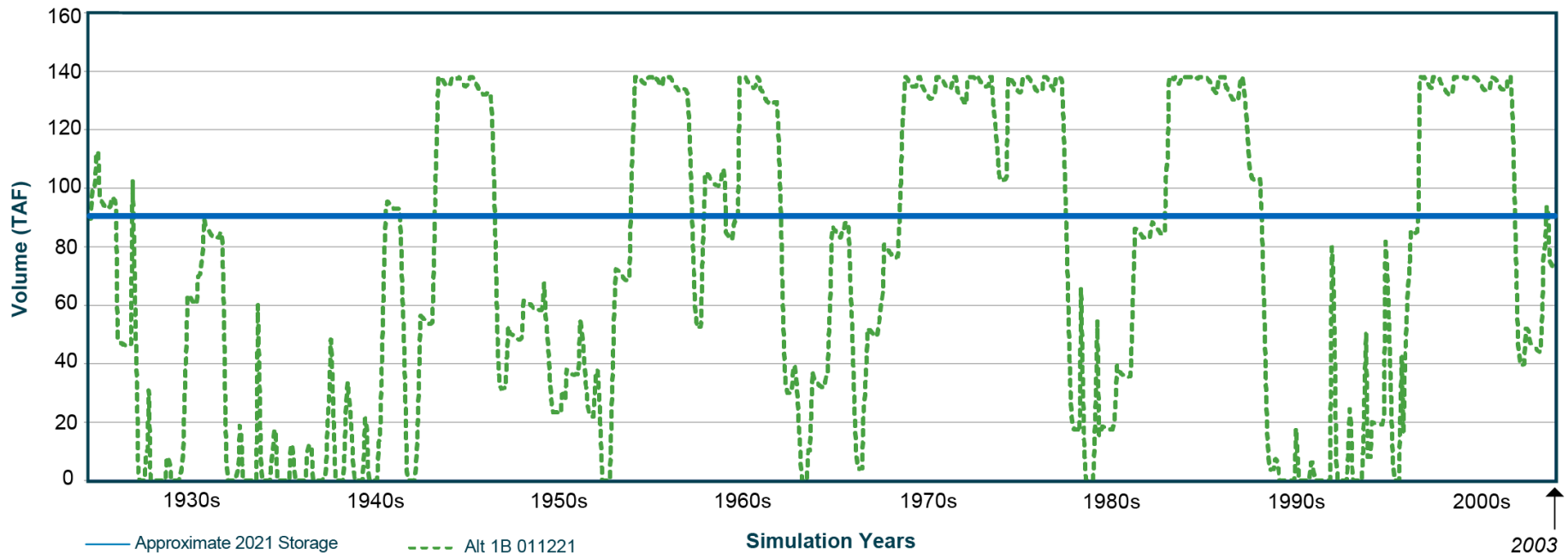
QUESTIONS ?

How Much Storage is Right for my Agency?

Some considerations:

- ✓ Multiple dry years
- ✓ Assume limited or no diversions in a drought
- ✓ Consider selling and leasing
- ✓ Resiliency against future uncertainties
- ✓ Use existing modeling to see storage level fluctuations

SITES STORAGE: TCCA

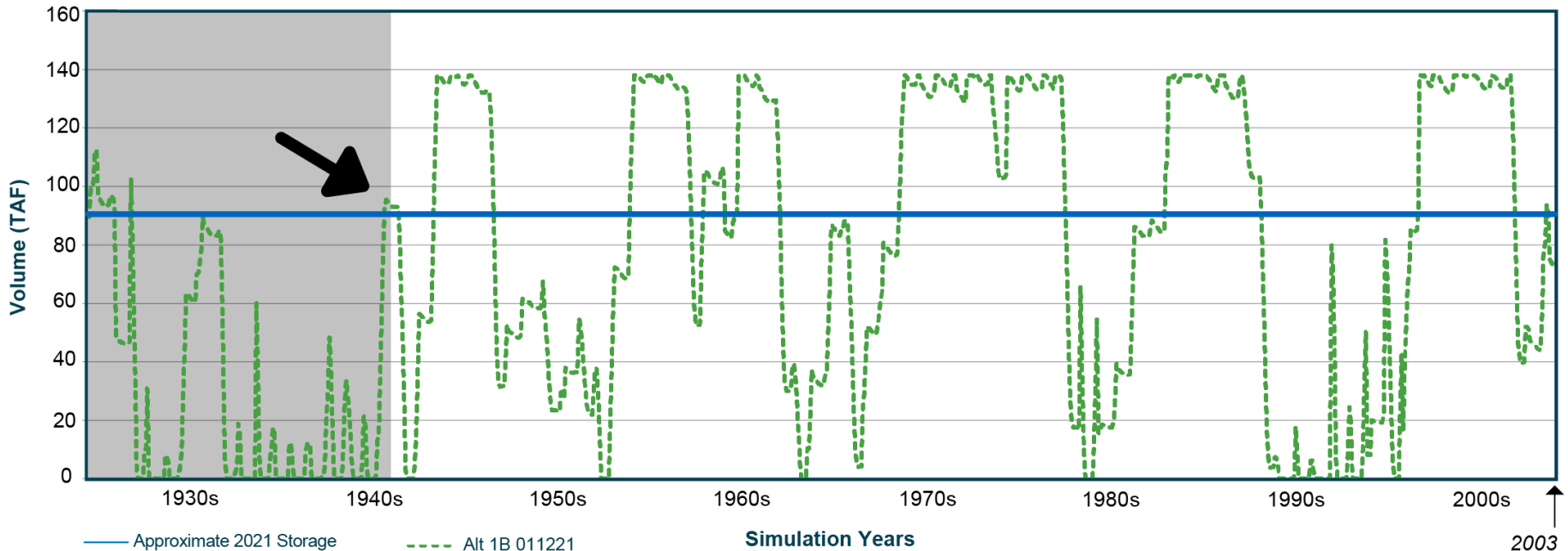


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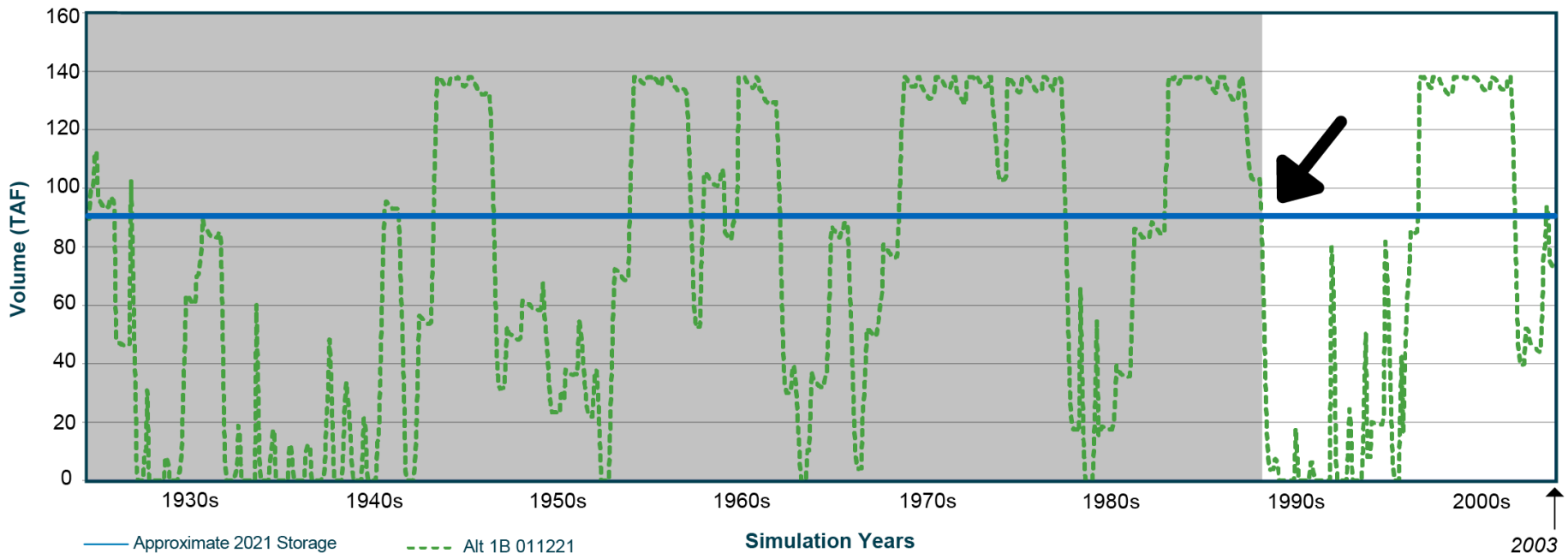
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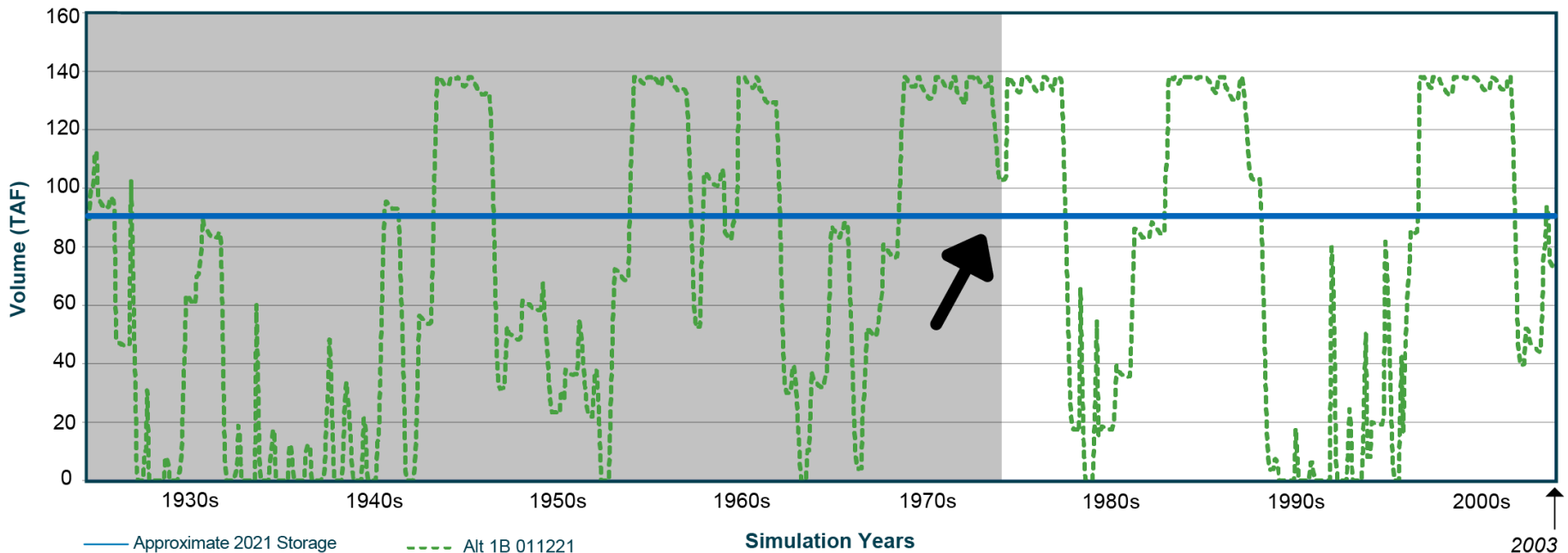


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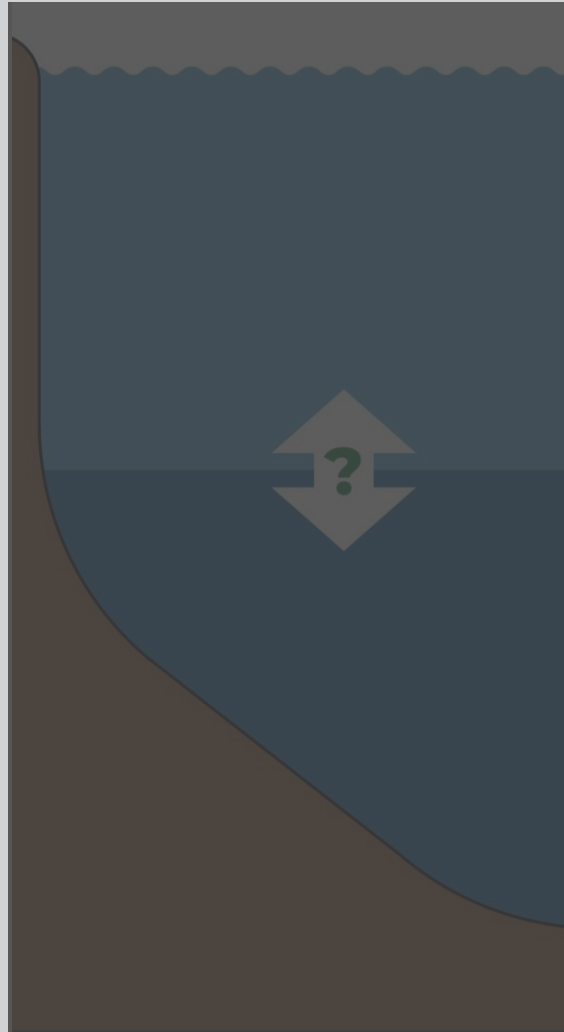
Summary



- ***Benefits of Storage***
 - ✓ Reliable and certain
 - ✓ Flexible, local control
 - ✓ Equitable
- ***How much do I need?***
 - ✓ Consider multiple dry years
 - ✓ Consider sale/lease of water and storage
 - ✓ Future uncertainty
 - Climate variability
 - CVP/SWP Reliability
 - Regulatory
 - Economic



STORAGE BENEFITS



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