



One Water and Adaptation Committee

Sites Reservoir Project Benefits and Risks Part I

Item 6c

April 7, 2025

Item 6c
Sites
Reservoir
Benefits and
Risks

Subject

Benefits and risks of the Sites Reservoir Project.

Purpose

Inform the Board on facilities, operations, and potential risks and benefits of the Sites Reservoir Project.

Next Steps

Update the Board in future months with additional information on the Sites Reservoir Project.

Benefits

- The Sites Project is a multi-benefit project being developed according to the beneficiary pays principle
- Beneficiaries & Benefits
 - State: ecosystem, flood control, recreation
 - Federal: ecosystem, refuge, operational flexibility
 - Local: water supply, reliability, flexibility

Facilities & Capacities

- Sites will be an off-stream reservoir
 - 1.5 million acre-feet capacity
- Sites will be primarily filled from two existing screened intakes on Sacramento River
 - Max filling rate: 3,900 cfs
- Sites will release water upon request from participants
 - Downstream participants, like Metropolitan, will be primarily served by Dunnigan Pipeline (capacity of 1,000 cfs)

Source of Supply

- Sites is seeking its own water rights
 - Diversion to Storage: 1.5 million acre-feet annually
 - Diversion to Storage Season: September 1 through June 14
 - Maximum diversion rate: 4,200 cfs
 - Only available when Delta is in 'excess' conditions and flows exceed project diversion criteria
 - Diversion criteria may change with provision of water right



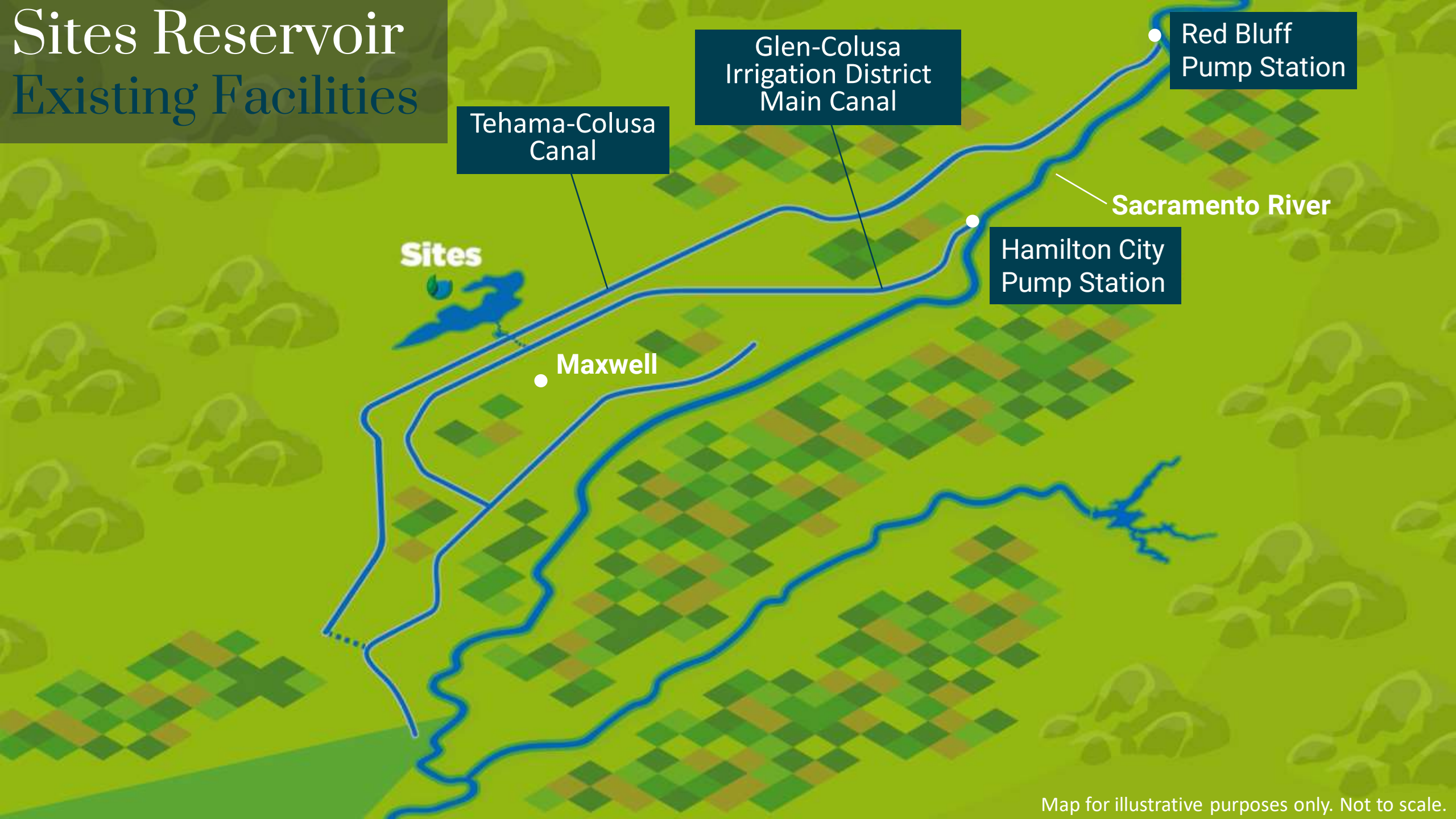


Sites



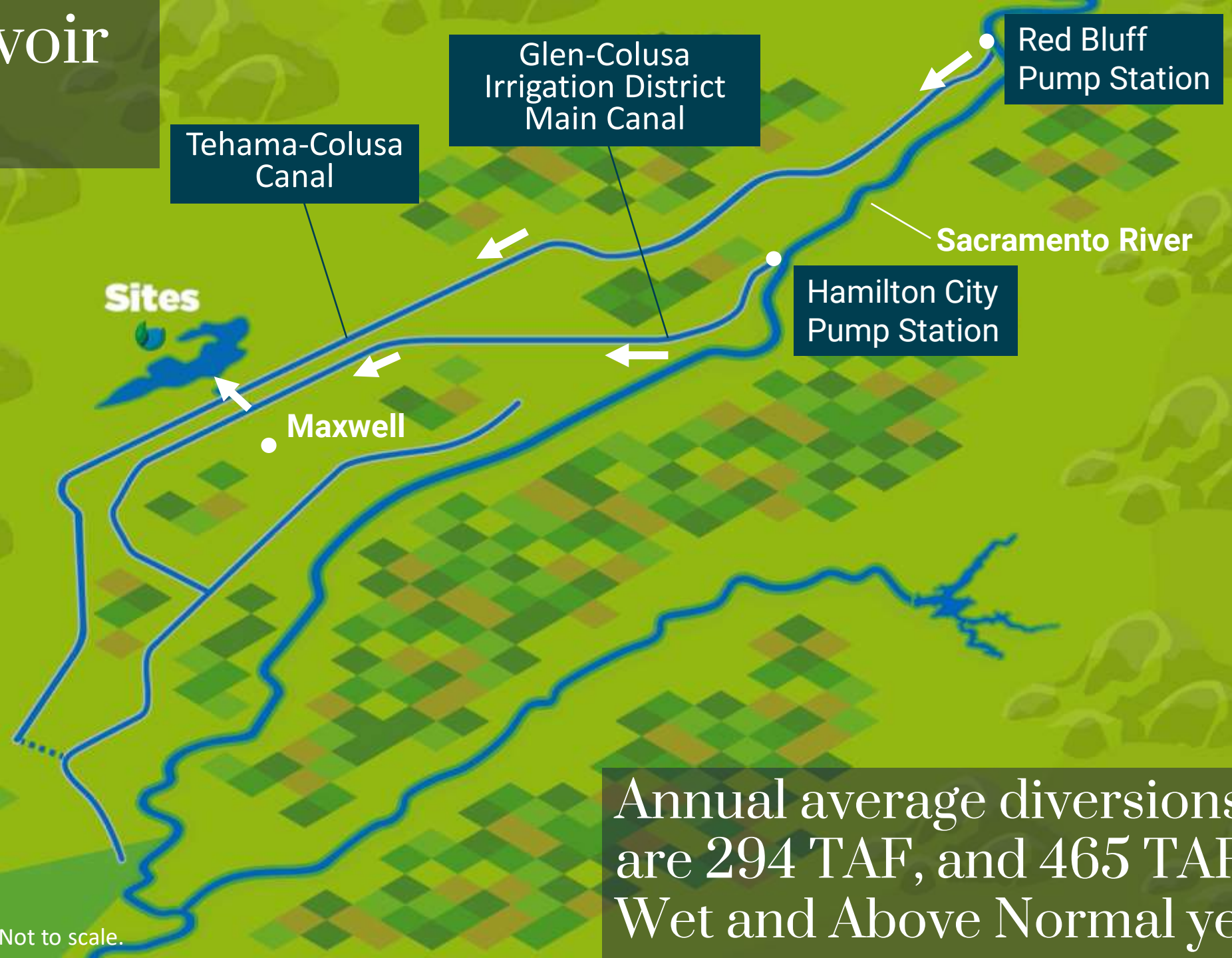
Sites Reservoir

Existing Facilities



Map for illustrative purposes only. Not to scale.

Sites Reservoir Diversions



Annual average diversions are 294 TAF, and 465 TAF in Wet and Above Normal years.

Sites Reservoir Releases



Annual average releases south of the Delta are 117 TAF and 222 TAF in Dry and Critical years.

Moving Water from Sites To Metropolitan's Service Area



Map for illustrative purposes only. Not to scale.

Moving Water from Sites To Metropolitan's Service Area



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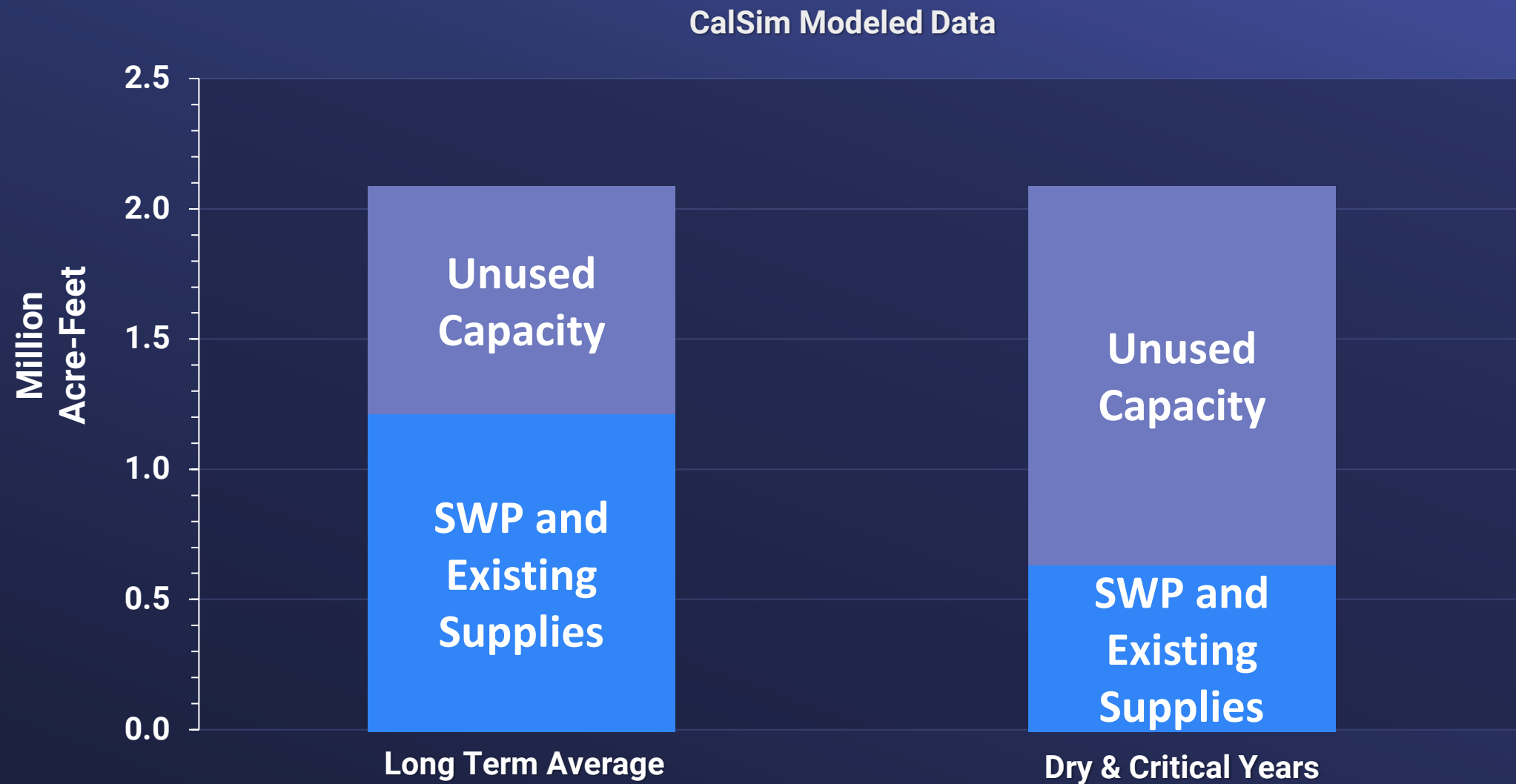
Moving Water from Sites To Metropolitan's Service Area



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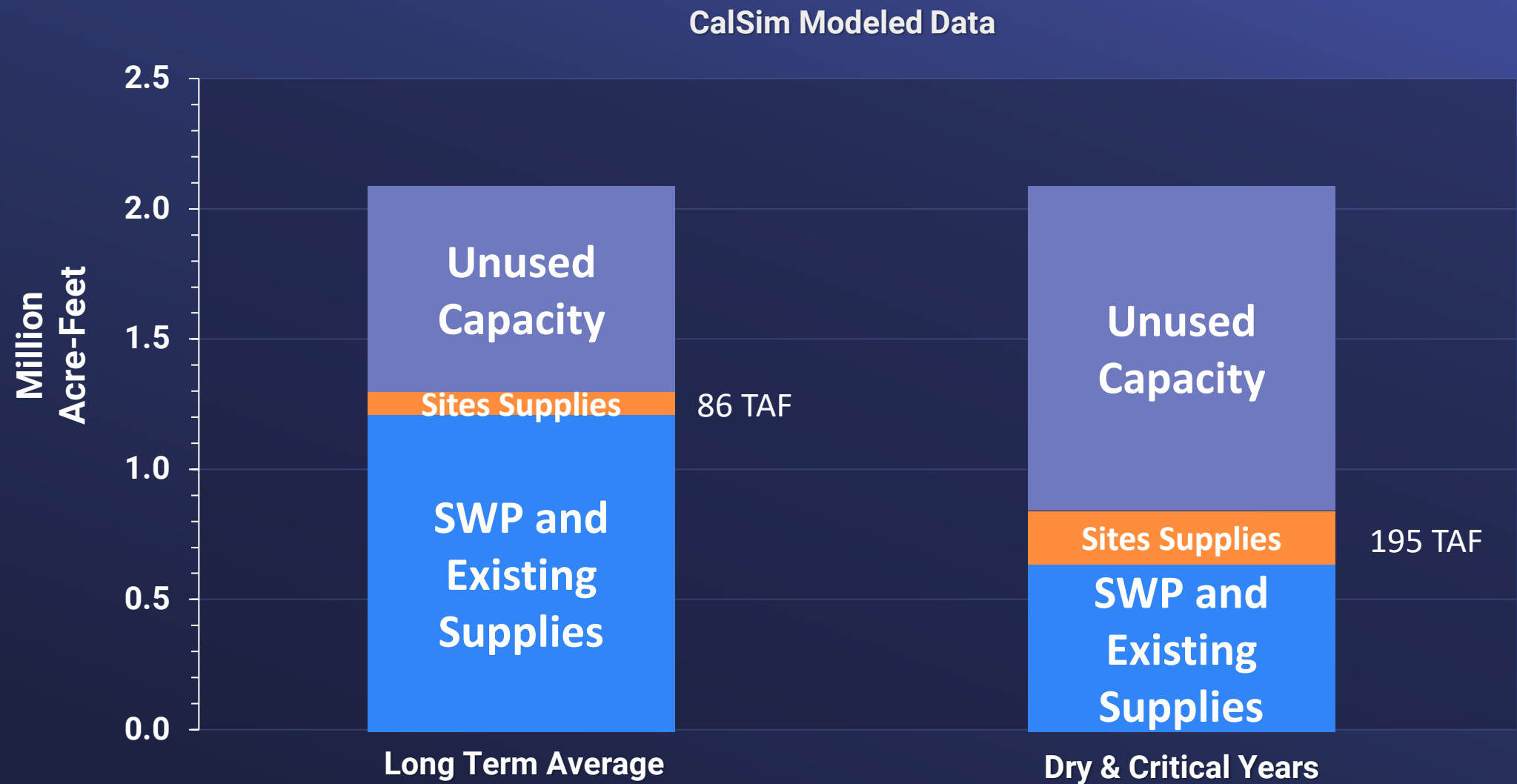
Banks Pumping Plant

Capacity to Move Additional Transfer Supplies (July – November)



Banks Pumping Plant

Capacity to Move Additional Transfer Supplies (July – November)



Source: Sites Project ITP Application CalSim Modeling Results
April 7, 2025

Delivery of Sites Water

- Sites water will be delivered via transfer or exchange
- Direct deliveries will occur during the transfer window
 - July-November
- Similar to existing SWP transfer and exchange programs
 - Yuba Accord Water Transfer Program

Metropolitan's Level of Participation to Date

Participant Name	Amendment 3 Participation Level	Amendment 3 Storage Allocation	% Available Storage
Antelope Valley – East Kern WA	500	3,117	0.2%
City of American Canyon	4,000	24,936	1.8%
Coachella Valley WD	10,000	62,340	4.4%
Colusa County	10,000	62,340	4.4%
Colusa County WD	9,256	57,702	4.1%
Cortina WD	450	2,805	0.2%
Davis WD	2,000	12,468	0.9%
Desert WA	6,500	40,521	2.9%
Dunnigan WD	2,972	18,527	1.3%
Glenn-Colusa ID	5,000	31,170	2.2%
Irvine Ranch WD	1,000	6,234	0.4%
LaGrande WD	1,000	6,234	0.4%
Metropolitan Water District of SC	50,000	311,700	22.1%
Reclamation District 108	4,000	24,936	1.8%
Rosedale-Rio Bravo WD	500	3,117	0.2%
San Bernardino Valley Municipal WD	21,400	133,408	9.5%
San Geronio Pass WA	14,000	87,276	6.2%
Santa Clara Valley WD	500	3,117	0.2%
Santa Clarita Valley WA	5,000	31,170	2.2%
Westside WD	5,375	33,508	2.4%
Wheeler Ridge-Maricopa WSD	3,050	19,014	1.3%
Zone 7 WA	10,000	62,340	4.4%
State of CA		244,000	17.3%
Reclamation		128,020	9.1%
Available Total Storage		1,410,000	100.0%

At a glance:

North of Delta	19.4%
South of Delta	53.9%
Reclamation	9.1%
State of CA	17.3%

CAMP4W Evaluation

- Sites and other projects will be assessed based on CAMP4W evaluative criteria
- Comprehensive assessment of Sites Reservoir will be brought to the Board later this calendar year

Outstanding Issues/Risks

- Bay Delta Water Quality Control Plan Update
- Water rights hearing for Sites
- Governance
- Cost estimate & plan of finance
- Exchange agreement with Desert WA and Coachella Valley WD

Sites Draft Timeline – Subject to Change & Modification

