



(/)

[Organizations \(/organization\)](/organization) /

[California Water Commission \(/organization/california-water-commission\)](/organization/california-water-commission) /

[Climate Change Projections for Water Storage Investment ... \(/dataset/climate-change-projections-for-water-storage-investment-program-wsip\)](/dataset/climate-change-projections-for-water-storage-investment-program-wsip)

[Dataset \(/dataset/climate-change-projections-for-water-storage-investment-program-wsip\)](/dataset/climate-change-projections-for-water-storage-investment-program-wsip)

 [Topics \(/dataset/groups/climate-change-projections-for-water-storage-investment-program-wsip\)](/dataset/groups/climate-change-projections-for-water-storage-investment-program-wsip)

 [Activity Stream \(/dataset/activity/climate-change-projections-for-water-storage-investment-program-wsip\)](/dataset/activity/climate-change-projections-for-water-storage-investment-program-wsip)

[Showcases \(/dataset/showcases/climate-change-projections-for-water-storage-investment-program-wsip\)](/dataset/showcases/climate-change-projections-for-water-storage-investment-program-wsip)

Climate Change Projections for Water Storage Investment Program (WSIP)

To aid applicants with quantification and monetization of benefits of proposed water storage projects per Chapter 8 of Proposition 1 (Water Code section 79750 et. seq.), the California Water Commission (Commission) developed a Technical Reference which was released in August 2016.

These data and model products are companion information to the Technical Reference and were developed to assist applicants for funding under the Water Storage Investment Program (WSIP). The WSIP required applicants for public funding to analyze their proposed projects using climate and sea level conditions for California projected at years 2030 and 2070.

The data and model products were developed for the following climate and sea level conditions:

- Without-Project 2030 Future Conditions – Year 2030 future condition with projected climate and sea level conditions for a thirty-year period centered at 2030 (climate period 2016-2045)
- Without-Project 2070 Future Conditions – Year 2070 future condition with projected climate and sea level conditions for a thirty-year period centered at 2070 (climate period 2056-2085)

- 1995 Historical Temperature-detrended Conditions (reference) – Year 1995 historical condition with climate and sea level conditions for a thirty-year period centered at 1995 (reference climate period 1981-2010)

California Water Commission

The California Water Commission consists of nine members appointed by the Governor and confirmed by the State Senate. Seven members are chosen for their expertise related to the control, storage, and beneficial use of water and two are chosen for their knowledge of the environment. The Commission provides a public forum for discussing water issues, advises the Director of the Department of Water Resources on matters within the Department's jurisdiction, approves rules and regulations, and monitors and reports on the construction and operation of the State Water Project. Proposition 1: The Water Quality, Supply, and Infrastructure Improvement Act approved by voters in 2014, gave the Commission new responsibilities regarding the distribution of public funds set aside for the public benefits of water storage projects, and developing regulations for the quantification and management of those benefits. In 2018, the Commission approved maximum conditional funding amounts for eight projects in the Water Storage Investment Program.

Data and Resources

Technical Reference (</dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/7810b3fe-dc5a-4b47-9dc7-1491dc7238fd>)

This Technical Reference describes concepts and methods for quantifying...

WSIP Data and Model Product Description - 2030 ... (</dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/aeda65ff-eaef-4fb9-b777-38a2194dec04>)

These data and model products are companion information to the Technical...

1995 Historical Temperature-detrended - ... (</dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/04b31c3b-80e1-4136-896c-b6c1fc3ac3da>)

Year 1995 historical condition with climate and sea level conditions for a...

1995 Historical Temperature-detrended - ... (</dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/86dc1e5a-b4da-4249-a6e8-44a835c74c47>)

Year 1995 historical condition with climate and sea level conditions for a...

2030 Future Conditions - Climate and VIC ... (</dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/39cfb55a-66c7-43ea-bdc2-6dc755ef8074>)

Year 2030 future condition with projected climate and sea level conditions...

2030 Future Conditions - Climate and VIC ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/0f303c28-77bf-4b6f-94f1-fe2b68937539)

Year 2030 future condition with projected climate and sea level conditions...

2030 Future Conditions - CalSim-II Model ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/bc3adbd6-f136-4df6-a91c-9d44c2eb1660)

Year 2030 future condition with projected climate and sea level conditions...

2030 Future Conditions - DSM2 Model Simulations (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/803652c7-3c61-4a60-b6bf-f87066428a1a)

Year 2030 future condition with projected climate and sea level conditions...

2070 Future Conditions - Climate and VIC ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/e6ee0ec4-eacb-4c0e-8e94-aa5a7b17bbe2)

Year 2070 future condition with projected climate and sea level conditions...

2070 Future Conditions - Climate and VIC ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/c8bfabb6-dde9-4e0c-b82b-47f7e588de52)

Year 2070 future condition with projected climate and sea level conditions...

2070 Future Conditions - CalSim-II Model ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/016b0c22-467f-4a0f-adeb-bfb2a388413d)

Year 2070 future condition with projected climate and sea level conditions...

2070 Future Conditions - DSM2 Model Simulations (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/ed3ffc2e-382c-4f90-aade-d432ba752694)

Year 2070 future condition with projected climate and sea level conditions...

WSIP Data and Model Products Description - ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/db14a626-aa11-4b76-a5e9-f5fe60b6fa84)

The California Water Commission has developed the following data and model...

2070 WMW Future Conditions - Climate and VIC ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/1e99890f-

c9e9-48b5-a1ea-60d3f1b8cebd)

Year 2070 future condition with projected climate and sea level conditions...

2070 WMW Future Conditions - CalSim-II Model ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/6a780e37-82fe-4a34-a0b1-592a162b2409)

Year 2070 future condition with projected climate and sea level conditions...

2070 DEW Future Conditions - Climate and VIC ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/57af7a97-5ae0-4c1c-8cba-da2d4cb94679)

Year 2070 future condition with projected climate and sea level conditions...

2070 DEW Future Conditions - CalSim-II Model ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/cbd4ff21-7147-4312-9eb4-d7b0d06e06fc)

Year 2070 future condition with projected climate and sea level conditions...

Technical Reference Appendix A - Climate ... (/dataset/climate-change-projections-for-water-storage-investment-program-wsip/resource/919f39d7-8626-4843-9c64-f105bba399f6)

Tags

california water co... (/dataset?tags=california+water+commission)

climate change (/dataset?tags=climate+change)

evapotranspiration (/dataset?tags=evapotranspiration)

gcm (/dataset?tags=gcm)

hydrologic (/dataset?tags=hydrologic)

integrated hydrolog... (/dataset?tags=integrated+hydrologic+model)

precipitation (/dataset?tags=precipitation)

streamflow (/dataset?tags=streamflow)

temperature (/dataset?tags=temperature)

Additional Info

Ⓞ [Download \(/metadata_download/climate-change-projections-for-water-storage-investment-program-wsip\)](/metadata_download/climate-change-projections-for-water-storage-investment-program-wsip)

Field	Value
Public Access Level	Public
Rights	No restrictions on public use
Program Contact Name	California Water Commission

Field	Value
Program Contact Email	cwc@water.ca.gov (mailto:cwc@water.ca.gov)
Frequency	Irregular
Temporal Coverage	<p>Future condition with projected climate and sea level conditions for a thirty-year period centered at:</p> <ul style="list-style-type: none"> • 2030 (climate period 2016-2045) • 2070 (climate period 2056-2085)
Source Link	<p>https://cwc.ca.gov/Water-Storage/WSIP-Quantification-Regulations (https://cwc.ca.gov/Water-Storage/WSIP-Quantification-Regulations)</p>
Last Updated	August 29, 2021, 5:00 PM (UTC-07:00)
Created	August 14, 2019, 10:29 AM (UTC-07:00)
DCAT Issued Date	2018-10-15T20:24:53.913389
DCAT Modified Date	2020-05-14T19:48:17.220387

Climate Change Projections for Water Storage Investment Program (WSIP)

Followers

0

Organization





(/organization/california-water-commission)

California Water Commission

Social

 [Twitter \(https://twitter.com/share?url=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip\)](https://twitter.com/share?url=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip)

 [Facebook \(https://www.facebook.com/sharer.php?u=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip\)](https://www.facebook.com/sharer.php?u=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip)

 [LinkedIn \(https://www.linkedin.com/shareArticle?url=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip\)](https://www.linkedin.com/shareArticle?url=https://data.ca.gov/dataset/climate-change-projections-for-water-storage-investment-program-wsip)

[About California Open Data \(/about\)](/about)

[API Documentation \(/docs/api/index.html\)](/docs/api/index.html)

[Contact Us \(/contact\)](/contact)

Powered by