## Chapter 9 References

Ackerman, Frank and Elizabeth A. Stanton. 2011. *The Last Drop: Climate Change and the Southwest Water Crisis*. Stockholm Environmental Institute – U.S. Center. February.

Bureau of Reclamation (BOR). 2011. SECURE Water Act Section 9503(c) – Reclamation Climate Change and Water, 2011. April.

Bookman-Edmonston. 2005. Integrated Regional Groundwater Management Plan for the Modesto Subbasin – Stanislaus and Tuolumne Rivers Groundwater Basin Association. April 2005.

California Air Resources Board (CARB). 2008. *Climate Change Scoping Plan: A Framework for change*. December 2008.

California Air Resources Board (CARB). 2011. Attachment D, Final Supplement to the AB 32 Scoping Plan Functional Equivalent Document. August 19.

California Climate Action Team (CAT), Water-Energy Sector Sub Group. 2009. Water-Energy Sector Summary, AB 32 Scoping Plan, GHG Emissions Reduction Strategies. March 4.

California Department of Fish and Wildlife (CDFW). 1995. *Stanislaus River Basin and Calaveras River Water Use Program, Threatened and Endangered Species Report*. Bay Delta and Special Water Projects Division. March.

California Department of Public Health (CDPH). 2013. Small Community Water Systems with Known Violations. January.

California Department of Water Resources (DWR). 2006. Progress on Incorporating Climate Change into Management of California's Water Resources. Technical Memorandum Report. Accessed April 24, 2011.

DWR. 2008. Managing an Uncertain Future: Climate Change Adaptation Strategies for California's Water. October.

DWR. 2009. California Water Plan Update 2009 - Integrated Water Management. DWR Bulletin 160-09.

DWR. 2010a. Proposition 84 & 1E Integrated Regional Water Management Guidelines. August.

DWR 2010b. 20x2020 Water Conservation Plan. February.

DWR. 2010c. State Water Project Delivery Reliability Report 2009.

DWR. 2012a. Draft Climate Action Plan. March.

DWR. 2012b. State Water Project Delivery Reliability Report 2011. June.

California Energy Commission (CEC) Public Interest Energy Research Program (PIER). 2008. *The Future Is Now: An Update on Climate Change Science, Impacts, and Response Options for California*. Publication # CEC-500-2008-077.

California Natural Resources Agency (CNRA) and the California Emergency Management Agency (CEMA). 2012. Draft *California Climate Change Adaptation Policy Guide*. April.

CNRA. 2009. 2009 California Climate Change Adaptation Strategy: A Report to the Governor of the State of California in Response to Executive Order S-13-2008. As viewed at http://www.climatechnage.ca.gov/adaptation/

California State Assembly. 2006. Assembly Bill No. 32 (Chapter 488).

California State Senate. 2007. Senate Bill No. 97 (Chapter 185).

California State Senate. 2008. Senate Bill No. 375 (Chapter 728).

California State Water Resources Control Board (SWRCB). 2012. Public Draft, Substitute Environmental Document in Support of Potential Changes to the Water Quality Control Plan for the San Francisco Bay-Sacramento/San Joaquin Delta Estuary: San Joaquin River Flows and Southern Delta Water Quality. December.

California Urban Water Agencies (CUWA). 2007. Climate Change and Urban Water Resources.

Camp Dresser McKee (CDM). 2011. *Climate Change Handbook for Regional Water Planning*. Prepared for the U.S. Environmental Protection Agency Region 9 and the California Department of Water Resources. November.

Cantatore, Alex. 2010. *Pilots Brave Winter Storms in Cloud Seeding Program*. Posted December 10, 2012. Accessed here <u>http://www.turlockjournal.com/section/12/article/17895/</u> on April 10, 2013.

Carollo Engineers. 2006. City of Hughson 2005 Urban Water Management Plan. November 2006.

Carollo Engineers. 2007a. City of Hughson Water System Master Plan. January 2007.

Carollo Engineers. 2007b. City of Hughson Storm Drainage System Master Plan. February 2007.

Carollo Engineers. 2007c. City of Hughson Sewer System Master Plan. June 2007.

Carollo Engineers. 2007d. City of Hughson Wastewater Treatment Plan Master Plan. June 2007.

Carollo Engineers. 2007e. Final City of Modesto Wastewater Master Plan, Phase 2 Update, Master Plan Report. March 2007.

Carollo Engineers. 2007f. Final City of Modesto Wastewater Collection System Master Plan. March 2007.

Carollo. 2008. City of Modesto Wastewater Treatment Master Plan Supplement. September.

Cayan, Dan, Mary Tyree, Mike Dettinger, Hugo Hidalgo, Tapash Das, Ed Maurer, Peter Bromirski, Nicholas Graham and Reinhard Flick. 2009. *Climate Change Scenarios and Sea Level Rise Estimates for the California 2009 Climate Change Scenarios Assessment*. CED-500-2009-014-F. California Climate Change Center. As viewed at <u>www.energy.ca.gov/2009publications/CEC-500-2009-014/CEC-500-2009-014-D.pdf</u>

Cayan, Dan. Amy Lynd Luers, Michael Hanemann, Guido Franco, Bart Croes. 2006. *Scenarios of Climate Change in California: An Overview*. California Energy Commission Publication CEC-500-2005-186-SF.

Central Valley Regional Water Quality Control Board (CVRWQCB). 2004. *Watershed Management Initiative Chapter*. December 1, 2002 with revision as of October 2004.

CVRWQCB. 2011. The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board, Central Valley Region, Fourth Edition, for the Sacramento River Basin and San Joaquin River Basin. Revised October 2011 (with Approved Amendments).

Chung, F., J. Anderson, S. Arora, M. Ejeta, J. Galef, T. Kadir, K. Kao, A. Olson, C. Quan, E. Reyes, M. Roos, S. Seneviratne, J. Wang, H. Yin. 2009. Using Future Climate Projections to Support Water Decision Making in California. California Energy Commission publication CEC-500-2009-52-F.

Congressional Budget Office (CBO). 2009. Potential Impacts of Climate Change in the United States. May.

Davids Engineering. 2012. Oakdale Irrigation District, Agricultural Water Management Plan, December 2012. December.

Design, Community & Environment. 2005. Hughson General Plan. December 12, 2005.

Dettinger, Michael and Sam Earman. 2007. Western Ground Water and Climate change – Pivotal to Supply sustainability or Vulnerable in its Own Right? National Groundwater Association, Association of Groundwater Scientists and Engineers, Ground Water News & Views, Volume 4, No. 1. June.

Epke, Gerhard, Mandi Finger, Robert Lusardi, Naomi Marks, Jeffery Mount, Andrew Nichols, Sarah Null, Teejay O'Rear, Sabra Purdy, Anne Senter, and Joshua Viers. 2010. *Confluence: A Natural and Human History of the Tuolumne River Watershed*. Summer.

ESA. 2013. Mid San Joaquin River Regional Flood Management Plan, Administrative Draft. July 2013.

Galloway, Devin L. and Francis S. Riley. 1999. San Joaquin Valley, California - Largest human alteration of the Earth's surface. In Land Subsidence in the United States. U.S. Geological Survey Circular 1182, pp. 23-34, http://pubs.usgs.gov/circ/circ1182/, accessed Feb. 13, 2009.

Hayhoe, Katharine, Daniel Cayan, Christopher B. Field, Peter C. Frumhoff, Edwin P. Maurer, Norman L. Miller, Susanne C. Moser, Stephen H. Schneider, Kimberly Nicholas Cahill, Elsa E. Cleland, Larry Dale, Ray Drapek, R. Michael Hanemann, Laurence S. Kalkstein, James Lenihan, Claire K. Lunch, Ronald P. Neilson, Scott C. Sheridan and Julia H. Verville. 2004. *Emissions Pathways, Climate Change and Impacts on California*. Published in the Proceedings of the National Academy of Sciences of the United States of America, Volume 101, Number 34. August 24. pp 12422-12427.

Hopmans, Jan, Gerrit Schoups, and Ed Maurer. 2008. *Global Warming and its Impacts on Irrigated Agriculture in the San Joaquin Valley (SJV)*. As viewed at https://sunsite.berkeley.edu/WRCA/WRC/pdfs/GW26thHopmans.pdf. August 22.

Howatt, Ian M. and Slawek Tulaczyk. 2005. *Climate sensitivity of spring snowpack in the Sierra Nevada*. As seen in the Journal of Geophysical Research, Volume 110, F04021, 9 pp. December 8.

Howitt, Richard, Josué Medellin-Azuara, and Duncan MacEwan. 2009. *Estimating the Economic Impacts of Agricultural Yield Related Changes for California*. CED-500-2009-042-F. California Climate Change Center, as viewed at <u>http://www.energy.ca.gov/2009publications/CED-500-2009-042/CED-500-2009-042/CED-500-2009-042-F.pdf</u>

Hydrocomp, Inc. 2012. Sensitivity of Upper Tuolumne River Flow to Climate Change Scenarios. January.

ICF. 2012. Evaluation of San Joaquin River Flow and Southern Delta Water Quality Objectives and Implementation. December.

ICF Jones & Stokes. 2009. 2010 Water System Engineer's Report Draft Program Environmental Impact Report, SCH # 2008092095. December 2009.

Intergovernmental Panel on Climate Change (IPCC). 2007. Climate Change 2007: Synthesis Report.

Kahrl, Fredrich and David Roland-Holst. 2008. California Climate Risk and Response. November.

Letter from Katy Sanchez, Program Analyst at the Native American Heritage Commission to Michael Cooke, Regulatory Affairs Manager of the City of Turlock, dated September 29, 2009 Regarding Proposed Turlock Regional Water Quality Control Facility Upgrade and Expansion.

Leung, L. Ruby, and William I. Jr. Gustafson. 2005. *Potential Regional Climate Change and Implications to U.S. Air Quality*. As published in the <u>Geophysical Research Letters</u>, 32:L16711.

Loáiciga, Hugo A. 2003. *Climate Change and Groundwater*. As published in the <u>Annals of the</u> <u>Association of American Geographers</u>. 93(1), pp 30-41.

Lobell, David B., Kimberly Nicholas Cahill, and Christopher B. Field. 2006. *Weather-based yield forecasts developed for 12 California Crops*. As published in <u>California Agriculture</u>, 60:4, pp211-15. As viewed at <u>http://dx.doi.org/10.1007/s1-10584-006-9141-3</u>

Lobell, David B., Kimberly Nicholas Cahill, and Christopher B. Field. 2007. *Historical effects of temperature and precipitation on California Crop Yields*. As published in <u>Climate Change</u>, 81:2, pp187-203. As viewed at <u>http://www.escholarship.org/uc/item/3d53x9mc</u>

Lundquist, Jessica D. and Daniel R. Cayan. 2002. *Seasonal and Spatial Patters in Diurnal Cycles in Streamflow in the Western United States*. As published in Journal of Hydrometeorology, by the American Meteorological Society, Volume 3, pp. 591-603. October.

Lundquist, Jessica D., Michael D. Dettinger, and Daniel R. Cayan. 2005. *Snow-fed streamflow timing at different basin scales: Case study of the Tuolumne River above Hetch Hetchy, Yosemite, California.* As published in <u>Water Resources Research</u>, Volume 41, July 7.

Merced River Watershed Portal. http://mercedriverwatershed.org/

Modesto, City of. 2008. Final Urban Area General Plan. October 14, 2008.

Modesto Irrigation District (MID). 2012. Modesto Irrigation District Agricultural Water Management Plan for 2012. December.

Moser, Susanne, Julia Ekstrom and Guido Franco. 2012. *Our Changing Climate 2012, Vulnerability & Adaptation to the Increasing Risks from Climate Change in California*. A Summary Report on the Third Assessment from the California Climate Change Center. CEC-500-2012-007. July.

National Marine Fisheries Service. 2009. Public Draft Recovery Plan for the Evolutionarily Significant Units of Sacramento River Winter-Run Chinook Salmon and Central Valley Spring-Run Chinook Salmon and the District Population Segment of Central Valley Steelhead. October.

Null, Sarah E., Joshua H. Viers, and Jeffery F. Mount. 2010. *Hydrologic Response and Watershed Sensitivity to Climate Warming in California's Sierra Nevada*. April 1.

Perazzo, Peggy B. 2011. *Stone Quarries and Beyond*. Retrieved December 29, 2011 from <u>http://quarriesandbeyond.org/states/ca/quarry\_photo/ca-stanislaus\_photos.html</u>. Last updated 6/23/2011.

Public Policy Institute of California. 2008. Adapting California's Water Management to Climate Change. November 2008.

Quad Knopf. 2007. Draft Environmental Impact Report for the Hughson Wastewater Treatment Plant, SCH # 2006122032. June 2007.

RMC Water and Environment. 2011. California Department of Water Resources Integrated Regional Water Management Program, East Stanislaus IRWM Region Acceptance Process. April 2011.

RRM Design Group. 2001. North Turlock Master Plan. October 2001.

San Joaquin River Group Authority. 1999. San Joaquin River Agreement Final EIS/EIR. January 28.

Schlenker, Wolfram, W. Michael Hanemann, and A. C. Fisher. 2007. *Water availability, degree days and the potential impact of climate change on irrigated agriculture in California*. As viewed in <u>Climate Change</u>, 81:1, pp 19-38. As viewed at <u>http://dx.doi.org/10.1007/s10584-005-9008-z</u>

Schoups, G., E.P. Maurer and J.W. Hopmans. 2005. *Climate change impacts on water demand and salinity in California's irrigated agriculture*.

Schoups, Gerrit, Ed Maurer, and Jan Hopmans, et al. 2009. *Climate Change Impacts on Subsurface Hydrology, Crop Production, Water Use and Salinity in the San Joaquin Valley, CA*. As presented at the DWR-UC Workshop on Climate Change Impacts, January 26.

Stanislaus County. 2004. Storm Water Management Program for Stanislaus County, Report of Waste Discharge. Submitted February 23, 2004, revised May 18, 2004.

Stanislaus County. *General Plan*. As viewed at <u>http://www.stancounty.com/planning/pl/general-plan.shtm</u> on February 15, 2013.

Stanislaus County Agricultural Commissioner's Office. 2011. 2011 Annual Crop Report.

Stanislaus River Watershed Data. As view at <u>http://hydra.ucdavis.edu/watershed/stanislaus in February</u> 2013.

Stantec. 2008. City of Modesto 2008 Storm Drainage Master Plan, Draft. March 2008.

State Water Resources Control Board. 2012. Public Draft, Substitute Environmental Document in Support of Potential Changes to the Water Quality Control Plan for the San Francisco Bay-Sacramento/San Joaquin Delta Estuary: San Joaquin River Flows and Southern Delta Water Quality, Executive Summary. December.

Stene, Eric A. 1994. Delta Diversion, Central Valley Project.

The H2O Group. 2012. City of Patterson 2010 Urban Water Management Plan. July.

Timothy J. Durbin, Inc. 2008. Assessment of Future Groundwater Impacts Due to Assumed Water-Use Changes Turlock Groundwater Basin, California. September 11.

Treidel, Holger, Jose Luis Martin-Bordes, and Jason J. Gurdak (ed.). 2012. *Climate Change Effects on Groundwater Resources, A Global Synthesis of Findings and Recommendations*. CRC Press.

Tulloch Engineering. 2004. Stormwater Management Program for the Cities of Ceres, Oakdale, Patterson, Riverbank, Report of Waste Discharge. March 10, 2003.

Tuolumne River Trust. 2009. Retrieved December 19, 2011 from http://www.tuolumne.org.

Turlock, City of. 2003. City of Turlock Water Resources Division, NPDES Phase II Storm Water Management Plan.

Turlock, City of. 2004. Northeast Turlock Master Plan. February 10, 2004.

Turlock, City of. 2011. City of Turlock 2010 Urban Water Management Plan, Public Draft. July 2011.

Turlock Groundwater Basin Association. 2008. Turlock Groundwater Basin Draft Groundwater Management Plan. January 17, 2008.

Turlock Irrigation District (TID). 2012. Turlock Irrigation District 2012 Agricultural Water Management Plan. December.

United States Climate Change Science Program (CCSP). 2008. Weather and Climate Extremes in a Changing Climate. Regions of Focus: North American, Hawaii, Caribbean and U.S. Pacific Islands. Synthesis and Assessment Product 3.3. June.

CCSP. 2009. Best Practice Approaches for Characterizing, Communicating, and Incorporating Scientific Uncertainty in Decision Making. Synthesis and Assessment Product 5.2. January.

United States Department of the Interior, Bureau of Indian Affairs. 2012. *Tribal Leaders Directory*. Fall 2012.

United States Department of the Interior, Bureau of Indian Affairs. 2013. *Pacific Region – Tribes Served*. Accessed here: http://www.bia.gov/WhoWeAre/RegionalOffices/Pacific/WeAre/Tribes/index.htm on January 14, 2013.

United States Environmental Protection Agency (USEPA). 2012a. *Climate Ready Water Utilities Adaptation Strategies Guide for Water Utilities*. EPA 817-K-11-003. January.

USEPA. 2012b. *Planning for Sustainability, A Handbook for Water and Wastewater Utilities*. EPA-832-R-12-001. February.

USEPA. 2012c. National Water Program 2012 Strategy: Response to Climate Change, Public Comment Draft. March.

United States Geological Survey (USGS), Office of Global Change. 2009. *Effects of Climate Variability* and Change on Groundwater Resources of the United States. Fact Sheet 2009-3074. September.

United States Global Change Research Program (USGCRP). 2009. *Global Climate Change Impacts in the United States*. June 2009.

University of California, Davis. 2012. *Vulnerability and Adaptation to Climate Change in California Agriculture*. A White Paper from the California Energy Commission's California Climate Change Center. CEC-500-2012-031. July.

Valtorta, Silvia. 2002. Animal production in a changing climate: impacts and mitigation. October.

Water Utility Climate Alliance. 2010. Decision Support Planning Methods: Incorporating Climate Change Uncertainties into Water Planning. January 2010.

West Yost Associates. 2011a. City of Ceres 2010 Urban Water Management Plan Update, Draft. April 2011.

West Yost Associates. 2011b. City of Modesto and Modesto Irrigation District 2010 Joint Urban Water Management Plan. May 2011.