



Deirdre Des Jardins
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May 24, 2017

VIA electronic mail to CWFhearing@waterboards.ca.gov and service list of hearing participants.

Felicia Marcus, Chair and Co-Hearing Officer
Tam Doduc, Member and Co-Hearing Officer
State Water Resources Control Board
1001 I Street
Sacramento, California 95814

Re: Submission of Rebuttal Exhibits

Dear Hearing Chair Doduc, Hearing Officer Marcus, and Hearing Team,

Deirdre Des Jardins, principal at California Water Research (“California Water Research”) hereby moves that California Water Research’s exhibits for the rebuttal phase of Part 1, listed in the attached rebuttal exhibit identification index, be entered into evidence. This motion shall also serve as a notice that all exhibits on the list are available on the Hearing website.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Des Jardins", with a small mark above the final letter.

Deirdre Des Jardins
Principal, California Water Research

STATEMENT OF SERVICE

CALIFORNIA WATERFIX PETITION HEARING

Department of Water Resources and U.S. Bureau of Reclamation
(Petitioners)

I hereby certify that I have this day submitted to the State Water Resources Control Board and caused a true and correct copy of the following document(s):

Submission of Rebuttal Exhibits

Rebuttal Exhibit Identification Index

to be served **by Electronic Mail** (email) in parts due to server limitations, upon the parties listed in Table 1 of the **Current Service List** for the California WaterFix Petition Hearing, dated March 30, 2017, posted by the State Water Resources Control Board at http://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/california_waterfix/service_list.shtml

I certify that the foregoing is true and correct and that this document was executed on May 24, 2017.

Signature:



Name: Deirdre Des Jardins

Title: Principal, California Water Research

Party/Affiliation:

Deirdre Des Jardins

Address:

145 Beel Dr

Santa Cruz, California 95060

Final Rebuttal Exhibit Identification Index

California WaterFix hearing
California Department of Water Resources and U.S. Bureau of Reclamation

Date: May 24, 2017

PARTICIPANT: Deirdre Des Jardins, Principal, California Water Research

Exhibit Identification Number (e.g. DWR-1)	Exhibit Description	Status of Evidence (for Hearing Team use Only)		
		Introduced	Accepted	By Official Notice
	Rebuttal Testimony and Referenced Exhibits			
DDJ-12	2004 CalSim II Peer Review Response p. 18-19 highlighted			
DDJ-95	Decision 1275			
DDJ-121	CalSim Strategic review excerpt p. 31 validation			
DDJ-141	California Department of Water Resources, Draft Report Of the Initial Analysis & Optimization of the Pipeline/Tunnel Option, December 17, 2010.			
DDJ-142	Jeffrey R. Unruh and Christopher S. Hitchcock, Characterization of Potential Seismic Sources in the Sacramento-San Joaquin Delta, California, Final Technical Report, U. S. Geological Survey National Earthquake Hazards Reduction Program, 2009			
DDJ-143	California Department of Water Resources, Division of Engineering, State Water Project Seismic Loading Criteria Report, 2012.			
DDJ-144	Bureau of Reclamation, Draft Environmental Assessment for Pipeline Maintenance Program for the Pacheco and Santa Clara Conduits and Tunnels, Santa Clara Valley Water District.			
DDJ-145	Paul Rogers, Failure of key water pipeline into Silicon Valley may have exposed wider problems, San Jose Mercury News, March 1, 2016			
DDJ-146	Santa Clara Valley Water District, CEO Bulletin 8-27-15			
DDJ-147	Santa Clara Valley Water District, CEO Bulletin 1-24-16			
DDJ-148	American Society of Civil Engineers, Standard 7-10, Minimum Design Loads for Buildings and Other Structures, 2010.			
DDJ-149	International Tunneling and Underground Space Association, 2007. Settlements induced by tunneling in Soft Ground, Report of the Working Group of the International Tunneling Association, Tunneling and Underground Space Technology 22 (2007) 119–149.			
DDJ-150	Bay Area Rapid Transit, BART Facilities Standards, Standard Specifications, Revision 3.03, Section 31.50.00, Excavation Support and Protection, January 2014.			
DDJ-151	California High Speed Train Project, Technical Memorandum 2.10.5, 15% Seismic Design Benchmarks			
DDJ-152	Iain Tromans, Behaviour of buried water supply pipelines in earthquake zones, PhD dissertation, Department of Civil and Environmental Engineering Imperial College of Science, Technology and Medicine, London, 2004.			
DDJ-153	American Lifelines Alliance (ALA), Seismic fragility formulations for water systems, 2001.			
DDJ-154	Vladimir Graizer, Anthony Shakal and Pat Hipley, Recent Data Recorded from Downhole Geotechnical Arrays, SMIP2000 Seminar Proceedings, 2001.			

DDJ-155	Hu Jin-jun and Xie Li-li. Variation of earthquake ground motion with depth, Acta Seimol. Sin. (2005) 18: 72.			
DDJ-156	California Department of Water Resources, Final Draft Agreement Regarding Construction of Conveyance Project between the Department of Water Resources and the Conveyance Project Coordination Agency, 2015.			
DDJ-157	Delta Risk Management Strategy Phase 1, Final Risk Analysis Report, Section 6, Seismic Risk Analysis, February 2009			
DDJ-158	California Department of Water Resources, Bay Delta Conservation Plan/California WaterFix Final EIR/EIS, Chapter 9, Geology and Seismicity, December 2016.			
DDJ-159	US Army Corps of Engineers, Engineer Manual EM 1110-2-6050, Response Spectra and Seismic Analysis for Concrete Hydraulic Structures, June 30, 1999			
DDJ-160	Snežana Maraš-Dragojević, Analysis of ground settlement caused by tunnel construction, 2012			
DDJ-161	U.S. Department of Transportation, Federal Highway Administration, Technical Manual for Design and Construction of Road Tunnels — Civil Elements, December 2009			
DDJ-162	Statement of qualifications of Tom Williams			
DDJ-163	Testimony of Tom Williams			
DDJ-165	Progress Report for Bureau of Reclamation			
DDJ-166	Rebuttal Testimony of Deirdre Des Jardins			
	Rebuttal Cross-Examination Exhibits			
DDJ-170	DWR-75 with highlighted passages			
DDJ-171	DWR-61 with highlighted passages			
DDJ-172	URS Corporation, Technical Memorandum: Delta Risk Management Strategy(DRMS) Phase 1, Topical Area: Flood Hazard Final, 2009.			
DDJ-173	ERM Group, Germany and UK and ELC-Group, Istanbul, Environmental and Social Impact Assessment for the Eurasia Tunnel Project, Istanbul, Volume II Main Report, Final Draft, January 2011.			
DDJ-174	DWR-659 with highlighted passages			
DDJ-175-178	not used			
DDJ-179	CDEC graphs, Shasta storage 2013-2014			
DDJ-180	CDEC graphs, Tracy pumping plant pumping 2013-2014			
DDJ-181	DWR-653 with highlighting			
DDJ-182	Not used			
DDJ-183	Mitrovic, Simon et. al., Use of flow management to mitigate cyanobacterial blooms in the Lower Darling River, Australia, 2011.			
DDJ-184	SWRCB-7 with highlighted passages			
DDJ-185	DWR-86 errata with highlighting			
DDJ-186	not used			
DDJ-187	Bay Delta Conservation Plan/California WaterFix Final EIR/EIS, Chapter 29, Climate Change with highlighting			
DDJ-188-189	not used			
DDJ-190	BDCP Steering Committee presentation -- RMA modeling analysis with 1.4 m sea level rise and levee failure			
DDJ-191	not used			
DDJ-192	Pdf copy of wsi_swp.wresl from WaterFix NAA_Q5_ELT_SJRR_off_040815_final\common\swp_dellogic\WSI_DI			
DDJ-193	not used			
DDJ-194	Pdf copy of wsi_di_swp.table from WaterFix NAA_Q5_ELT_SJRR_off_040815_final\run\Lookup			
DDJ-195	Graph of values from wsi-di-swp lookup table (DDJ-194)			
DDJ-196	Pdf copy of wsi_di_swp.table from Historical simulation			
DDJ-197	Graph of NAA v Hist Sim table values			

DDJ-198	not used			
DDJ-199	Francis Chung, An Assessment of CVP-SWP System Performance Under Alternative Delta Regulations, Infrastructure and Climate Change Scenarios 2010 CWEMF Presentation			
DDJ-200 - DDJ-202	not used			
DDJ-203	CDEC graphs, Oroville Storage, September 2012			
DDJ-204	CDEC graphs, Oroville Storage, May-Dec 31, 2013			
DDJ-205	Not used			
DDJ-206	CalSim-II Allocations Module for State Water Project Simulation, 2005 CWEMF Presentation			
DDJ-207	Oroville 2013 carryover target calculations using formula in DWR-902			