

DWR Climate News Digest

July 1st to August 25th, 2013

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The information provided herein is a selected compilation of recent popular news articles, publications, and other information relevant to climate change and water management. The links provided herein are intended to provide educational and thought-provoking material for water managers and water users.

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TOPICS [Find older items in the [Climate News Archive](#)]

Reports

[**Indicators of climate change in California**](#) [Cal EPA - August 2013]

[**U.S. Energy Sector Vulnerabilities to Climate Change and Extreme Weather**](#)

[Department of Energy - July 2013]

[**Global Water Governance in the 21st Century**](#) [Pacific Institute - July 2013] ("*There is a growing recognition that the scope and complexity of water-related challenges extend beyond national and regional boundaries and therefore cannot be adequately addressed solely by national or regional policies.*")

[**The Global Climate 2001-2010: A Decade of Climate Extremes \(Summary Report\)**](#)

[World Meteorological Organization - June 2013]

[**Redrawing the Energy-Climate Map**](#) [International Energy Agency - June 2013] ("*The energy sector is the single largest source of climate-changing greenhouse gas emissions and limiting these is an essential focus of action; This Special Report seeks to bring [climate change] back on top [of the policy agenda] by showing that the dilemma can be tackled at no net economic cost*")

Sea-level Rise and other Ocean Impacts

[web tool] [Comparing Sea Level Rise Projections](#) [Point Blue/PRBO - August 2013]

[Voyage to study the effects of ocean acidification off U.S. West Coast](#)

[LA Times - July 25, 2013]

[Deciphering the air-sea communication: Ocean significantly affects long-term climate fluctuations](#) [Science Daily - July 25, 2013]

[Ocean microbes feel a warming climate's effects](#) [Climate Central - July 14, 2013]

[Models point to rapid sea-level rise from climate change](#)

[Sydney Morning Herald - July 14, 2013]

[More acidic oceans of the future mimic impacts of extinction](#)

[Scientific American - July 9, 2013]

Agriculture/Food Production

[Our coming food crisis](#) [New York Times - July 21, 2013]

[Reducing the impact of agriculture on climate change](#) [Science 2.0 - July 16, 2013]

[Why don't farmers believe in climate change?](#) [Slate - July 16, 2013]

General Water Management

[America's water explained in bite-sized videos](#) [Discovery - July 16, 2013]

[Great Lakes area draws world attention for food](#) [Pittsburgh Post Gazette - July 14, 2013]

[Water worries: climate change in the desert Southwest](#) [USA Today - July 9, 2013]

[Water issues ripple through Obama climate change speech](#)

[National Geographic - June 27, 2013]

Drought

[Climate change's heat intensifies drought in the USA](#) [USA Today - July 9, 2013]

Water/Energy Nexus

[Climate change will cause more energy breakdowns, U.S. warns](#)

[New York Times - July 11, 2013] (*"The nation's entire energy system is vulnerable to increasingly severe and costly weather events driven by climate change"*)

[Climate change to strain water supplies used by power plants: study](#)

[Sydney Morning Herald - July 9, 2013]

Human Health Impacts

[Climate change is making private heat islands for people of color](#) [Grist - July 9, 2013]

Wildlife and Ecosystem Impacts

[Seagrass may help fight climate change](#) [ZeeNews - August 19, 2013]

[Giant redwoods growth spurt tied to climate change: study](#) [Wunderground - August 18, 2013]

[Climate change spreads disease worldwide](#) [Weather Channel - August 2, 2013]

[Climate change helps strengthen poison ivy](#) [Toledo Blade - July 29, 2013]

[Alaska's boreal forest burning with climate change](#) [LA Times - July 22, 2013]

[Great tits may adapt to climate change but most land species won't](#) [Wired - July 14, 2013]

[Rising global temperatures accelerate drought-induced forest mortality](#)

[Los Alamos National Laboratory - July 10, 2013]

[Some trees use less water amid rising carbon dioxide, paper says](#)

[New York Times - July 10, 2013]

[Climate change may stop invasive ant cold](#) [Wunderground - July 1, 2013]

Greenhouse Gas Mitigation

[Pilot projects bury CO2 in basalt](#) [Scientific American - July 29, 2013]

[CIA spooks investigate geoengineering to fix climate](#) [New Scientist - July 19, 2013]

[Better geology needed to store carbon dioxide](#) [Scientific American - July 10, 2013]

Climate Adaptation

[Making cities more resilient in the face of climate change](#) [Triple Pundit - July 16, 2013]

[Dunes, reefs protect U.S. coasts from climate change](#) [USA Today - July 14, 2013]

International Planning

[Villagers learn about climate change](#) [Fiji Times - July 15, 2013]

[U.S.-China climate change working group fact sheet](#) [U.S. State Department - July 10, 2013]

[Can Germany afford its 'energy bender' shift to green power](#) [BBC - July 9, 2013]

[SAARC report: 'To reduce risk to crop yields, understand climate change'](#)

[Tribune - July 7, 2013]

[Coping with climate change](#) [Fiji Times - July 6, 2013] (*traditional ecological knowledge provides value in preparing for and adapting to climate change*)

[What climate change means for Africa, Asia and the coastal poor](#) [World Bank - June 19, 2013]

Climate Change Modeling

[Climate change: The forecast for 2018 is cloudy with record heat](#) [Nature - July 10, 2013]

Legislative Updates

[Shaheen-Portman bill: "The Energy Savings and Industrial Competitiveness Act" summary](#)

BLOGS/Commentary

Andrew Freedman on "[Record heat in June extends globe's streak to 340 months](#)"

[Climate Central - July 18, 2013]

Gabriel Levy on "'[A world that we have to avoid at all costs': Gabriel Levey interviews Kevin Anderson](#)" [DeSmogCanada - July 17, 2013]

John Cook on "[Carbon dioxide's invisibility is what causes global warming](#)"

[Skeptical Science - July 16, 2013] (*This post was written in response to Australian opposition leader Tony Abbott who has dismissed carbon dioxide as an "invisible, odorless, weightless, tasteless substance"*)

Mary Pipher on "[We are all climate change deniers](#)" [Time - July 15, 2013]

Ezra Klein on "[You can't deny global warming after seeing this graph](#)"

[Washington Post - July 9, 2013]

Stephan Rahmstorf on "[Most comprehensive paleoclimate reconstruction confirm hockey stick](#)" [Think Progress - July 8, 2013]

Sarah Keller on "[Climate change: moving from science to policy](#)"

[High Country News - July 3, 2013] *(an interview with University of Montana professor Steve Running provides his perspective on his 40-year career as a scientist and how he feels about climate change)*

David Hone on "[Recent trends in climate change indicators](#)"

[The Energy Collective - June 20, 2013] *(Royal Dutch Shell's Senior Climate Change Advisor gives an overview of his experience at a recent event on climate change science and policy organized by the [MIT Joint Program on the Science and Policy of Global Change](#))*

Additional Items of Interest

[Climate change report documents growing impacts on California's environment](#)

[Cal EPA - August 8, 2013]

[2012 state of the climate: Glaciers](#) [NOAA - July 31, 2013]

[New EPA chief to business: Embrace 'opportunity' of climate change](#) [The Hill - July 30, 2013]

[I was a climate change denier](#) [Salon - July 30, 2013]

[Climate change impacts felt far from coasts, map reveals](#) [Wunderground.com - July 22, 2013]

(a new interactive map created by the U.S. Department of Energy shows that the impacts of climate change are felt far and wide, as climate-related power outages occur in every corner of the country)

[Stunning photos of glaciers in retreat](#) [Weather Channel - July 19, 2013]

[Climate change takes center stage](#) [Huffington Post - July 19, 2013]

[Poll: Majority backs Obama plan to limit carbon emissions](#)

[Environment News Service - July 18, 2013]

[Philips, BofA urge climate change risk commission](#) [Environmental Leader - July 15, 2013]

[How warm was June 2013 globally?](#) [AccuWeather.com - July 15, 2013] *(June 2013 was the second warmest June on record globally for land/ocean combined surface temperature, according to NASA GISS)*

[This film will convince every skeptic that climate change is real](#)

[Business Insider - July 15, 2013]

[China can teach the West about tackling climate change](#) [The Conversation - July 15, 2013]

[Free market is best way to combat climate change, study suggests](#)

[Science Daily - July 15, 2013]

[Mark Hertsgaard analyzes the psychology of climate change activism](#)

[Daily Beast - July 14, 2013]

[Wildfires may have bigger role in global warming, study says](#) [LA Times - July 10, 2013]

[New report tracks decades of climate change](#) [Rolling Stone - July 10, 2013]

[Stanford climate scientist addresses misconceptions about climate change](#)

[Stanford - July 9, 2013] *("The notion that we'll avoid serious damage to the world's climate if we limit the warming of the atmosphere to a 2-degree Celsius rise in temperature is untrue, says Stanford climate scientist Chris Field")*

[The key to predicting climate change? Just study the temperature of earthworm feces, say scientists](#) [Daily Mail - July 9, 2013]

[Storm warning: Climate change to spawn more hurricanes](#) [USA Today - July 8, 2013]

[UCLA climate study predicts dramatic loss in local snowfall](#)

[Environmental Research Web - July 8, 2013]

[How do you communicate action on climate change?](#) [The Energy Collective - July 6, 2013]

[The U.S. just became a global leader in fighting climate change](#) [National Journal - July 1, 2013]

Images to Ponder

Figure below: Decadal global combined surface-air temperature over land and sea-surface temperature obtained from the average over three datasets maintained by...HadCRU, NCDC and NASA_GISS

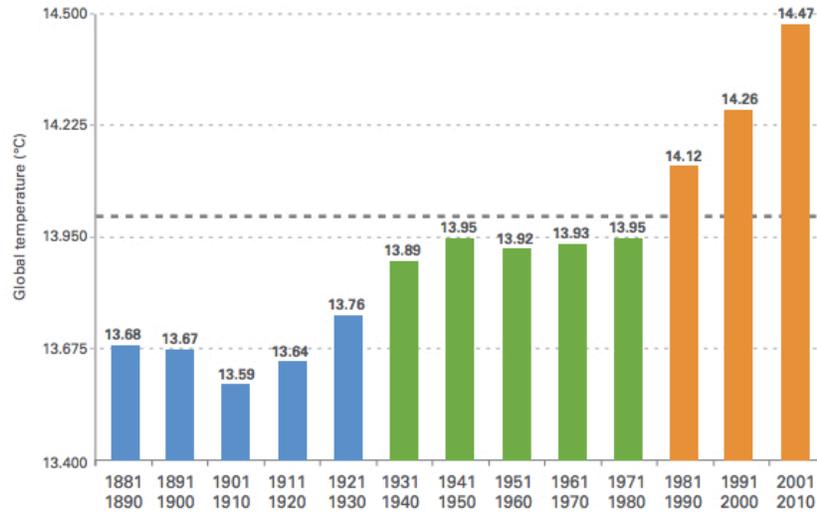


Image credit: http://library.wmo.int/pmb_ged/wmo_1119_en.pdf

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