

DWR Climate News Digest

June 2015

Disclaimer: The information and links provided on this web page are not intended to state or imply any formal position of the California Department of Water Resources

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.

To subscribe to the DWR Climate News listserv and receive notifications when new editions are posted, send an email to: climatechange@water.ca.gov.

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

DWR Staff Publications

[California Central Valley Water Rights in a Changing Climate](#)

[San Francisco Estuary and Watershed – June 2015] (*Andrew Schwarz of the DWR Climate Program wrote this article, which indicates that “water rights holders are likely to be curtailed much more frequently, and for significantly longer durations, as we move through the 21st century”*)

Reports

[Climate Change in the United States: Benefits of Global Action](#) [US EPA – June 2015] (*“This report summarizes results from the Climate Change and Impacts and Risks Analysis (CIRA) project, a peer-reviewed study comparing impacts in a future with significant global action on climate change to a future in which current greenhouse gas emissions continue to rise”*)

[Investing in a Time of Climate Change](#) [Mercer – June 2015] (*“This new report identifies the ‘what?’ the ‘so what?’, and the ‘now what?’ in terms of the impact of climate change on investment returns. These insights will enable investors to build resilience into their portfolios under an uncertain future”*)

[The National Security Implications of a Changing Climate](#) [White House – May 2015]

Published Literature

[Possible artifacts of data biases in the recent global surface warming hiatus](#)

[Science– June 4, 2015] [*“Here we present an updated global surface temperature analysis that reveals that global trends are higher than reported by the IPCC, especially in recent decades, and that the central estimate for the rate of warming during the first 15 years of the 21st century is at least as great as the last half of the 20th century”*]

Sea-level Rise and other Ocean Impacts

[Climate change may drive fish and coral from equator, studies say](#)

[New York Times – June 5, 2015]

[Climate change could cause changes in the ocean that haven’t been seen in 3 million years](#)

[Think Progress – June 3, 2015]

Agriculture/Food Production

[No more beer, chocolate or coffee: How climate change could ruin your weekend](#)

[The Guardian – June 9, 2015]

[Crop adjustments may less climate changes economic effects](#) [Ag Professional – June 8, 2015]

[Can better grazing help dairy farmers cope with drought and climate change?](#)

[Civil Eats – June 8, 2015]

[Climate change poses a brewing problem for tea](#) [Climate Central – June 4, 2015]

General Water Management

[Adaptation, resistance, or subversion: How will water politics be affected by climate change?](#)

[New Security Beat – June 9, 2015]

[Only 10% of water utilities see climate change as a significant issue](#)

[Green Tech Media – June 9, 2015]

Extreme Weather Events

[Death toll soars in climate change-related Pakistan heat wave](#) [EcoWatch – June 24, 2015]

[‘It is climate change’: India’s heat wave now the 5th deadliest in world history](#)

[Think Progress – June 2, 2015]

Human Health Impacts

[Leading health experts call for fossil fuel divestment to avert climate change](#)

[Time – June 25, 2015]

[Climate change is now considered a medical emergency](#) [Shape – June 25, 2015]

Tribal Impacts & Traditional Ecological Knowledge

[Indigenous knowledge can be key to fighting climate change](#) [PhysOrg – June 24, 2015]

(The working paper, ‘Guarding Against Exploitation: Protecting Indigenous Knowledge in the Age of Climate Change’...“shares examples of tribes that have developed knowledge in how to ameliorate drastic effects of climate change on their native lands as well as indigenous communities that have developed their own laws on ways which their traditional knowledge can be used outside of their communities”)

[Native traditional methods revived to combat California drought, wildfires](#)

[Aljazeera America – June 12, 2015]

[Climate change destroying Natives’ relics](#) [Alaska Public Media – June 8, 2015]

[An ancient native American drought solution for a parched California](#) [KVPR – June 2, 2015]

Wildlife and Ecosystem Impacts

[Climate change threatens wildflower diversity in California](#) [KQED – June 23, 2015]

[Climate change: plants may not grow well under temperature changes](#)

[Science World Report – June 11, 2015]

Greenhouse Gas Mitigation

[How fast will rising temperatures shrink CO2 storage?](#) [Scientific American – June 19, 2015]

[How to convert the US to 100 percent renewable energy](#) [Science Daily – June 9, 2015]

[Predicted China emissions decline spurs hope for climate change deal](#)

[Voice of America – June 9, 2015]

Climate Adaptation

[China bets on ‘sponge cities’ to cope with flooding and drought](#) [Climate Wire – June 16, 2015]

International Planning

[Korea eyes 37% emissions cut](#) [The Korea Herald – June 30, 2015]

[India just upped its solar target five-fold, will install more solar this year than Germany](#)

[Climate Progress – June 17, 2015]

[Climate change: White House launches \\$34 million plan to help developing nations mitigate climate risk](#) [International Business Times – June 10, 2015]

[World's richest countries decide to take it slow on climate change](#) [Slate – June 8, 2015]

[Growing climate change threat to Britain's historic coastline](#) [The Telegraph – June 6, 2015]

[Norway will divest from coal in push against climate change](#) [New York Times – June 5, 2015]

[Why the Paris Climate Summit might actually work](#) [Mashable – June 2, 2015]

[Aided by the sea, Israel overcomes an old foe: drought](#) [New York Times – May 29, 2015]

Legislative Updates

[Court rejects effort to block EPA climate change rules](#) [National Journal – June 9, 2015]

Communicating Climate Change

[25 of the most powerful voices on climate change brought to you by the Weather Channel](#)

[EcoWatch – June 10, 2015]

[Watch New York's sewer rats discuss climate change](#) [Grist – June 4, 2015]

Opinion/Commentary

Albert C. Lin on "[Climate change encyclical was much more](#)" [Sacramento Bee – June 26, 2015]

(You can read Pope Francis's encyclical, 'Laudato Si: On Care for Our Common Home' [HERE](#))

Joe Romm on "[Behind the Weather Channel's inventive climate change campaign aimed at conservatives](#)" [Climate Progress – June 15, 2015]

Lisa Bennett on "[10 things you want to know about human nature if you're fighting climate change](#)" [Grist – June 10, 2015]

Heather Smith on "[Could pesky children be the solution to climate change?](#)"

[Grist – June 8, 2015]

David Roberts on “[Big oil wants a price on carbon. That’s not as weird as it sounds.](#)”

[Vox – June 5, 2015]

Aiko Stevenson on “[Economics of fighting climate change trivial compared to defeating](#)

[Nazism](#)” [Huffington Post – June 3, 2015] (“In the 1960’s, the US spent \$150 billion to put a man on the moon. If we spend the same amount of money today, we will be able to pull our planet back from the brink of catastrophic climate change”)

Additional Items of Interest

[A Washington journal: Using an Antarctic film to highlight climate change without taking sides](#) [Science Mag – June 30, 2015]

[Alaska’s current off-the-charts wildfire situation, in one map](#) [Slate – June 30, 2015]

(“Wildfires in Alaska have burned more than 1.25 million acres so far this year. That’s an area 32 times the size of Washington, D.C.”)

[Bill Gates to help fight climate change by investing up to \\$2 billion in green technology](#)

[Huffington Post – June 29, 2015]

[Why climate change is a women’s rights issue](#) [Think Progress – June 24, 2015]

[EPA warns of high cost of climate change](#) [New York Times – June 22, 2015] (“In the absence of global action to curb greenhouse gas emissions, the United States by the end of the century may face up to \$180 billion in economic losses because of drought and water shortages”)

[Read Pope Francis’ full document on climate change](#) [Washington Post – June 18, 2015]

[The Climate 25](#) [The Weather Channel – June 2015] (“The Climate 25 is digital media and television experience featuring interviews with the world’s 25 most compelling voices on one of the most pressing issues of our time – the impact of climate disruption on human security”)

[The latest global temperature data are breaking records](#) [The Guardian- June 15, 2015]

[Coal crash: how pension funds face huge risk from climate change](#)

[The Guardian – June 15, 2015]

[Naomi Oreskes, a lightning rod in a changing climate](#) [New York Times – June 15, 2015] (“Dr.

Oreskes is fast becoming one of the biggest names in climate science – not as a climatologist, but as a defender who uses the tools of historical scholarship to counter what she sees as ideologically motivated attacks on the field”)

[Gov. Brown says California to lead on fighting climate change](#)

[Bakersfield now – June 15, 2015]

[Scientists say tar sands development and limiting climate change are ‘incompatible’](#)

[Think Progress – June 11, 2015]

[My generation does give a damn about climate change, says 14 year-old activist](#)

[The Guardian – June 11, 2015]

[Climate change has left US exposed in Arctic, says military experts](#)

[The Guardian – June 10, 2015]

[press statement] [Climate Change Adaptation and Resilience](#)

[US State Department – June 9, 2015] (*“When it comes to confronting climate change, no country should be forced to go it alone – because no country can possibly address this threat alone. It will require all of us – every country, around the world, doing what it can to contribute to the solution”*)

[The thousand year implications of a short term fossil fuel fix](#) [Washington Post – June 8, 2015]

[NASA releases detailed global climate change projections](#) [PR Newswire – June 9, 2015]

[Wisconsin Republicans fire DNR scientists working on research related to climate change and pollution](#) [Wisconsin Gazette – June 8, 2015]

[Bill Nye: Millennials should aim to be the greatest generation of climate change](#)

[Quartz – June 5, 2015] (*At Rutgers University on May 17, Bill Nye, “The Science Guy” gave the commencement address; it’s fantastic*)

[NOAA study confirms global warming speed-up is imminent](#) [Climate Progress – June 5, 2015]

[Shell CEO: Industry must tackle climate change](#) [Market Watch – June 4, 2015] (*Per Ben van Beurden, Royal Dutch Shell’s chief executive “I believe 20 years from now if we don’t act global public opinion will be unforgiving”*)

[A carbon price would benefit more than just the climate](#) [Green Biz – June 4, 2015]

[Puzzling global warming ‘pause’ was illusion](#) [Nature – June 4, 2015]

[Paris climate agreement: The case for establishing five-year cycles](#)

[Clean Technica – June 4, 2015]

[Here’s how Ikea is fighting climate change](#) [Time – June 4, 2015]

[Mercer launches new global climate change investments report](#) [Mercer – June 4, 2015] (“The report, titled ‘Investing in a Time of Climate Change’, outlines actions for investors to manage key downside risks and access opportunities”)

[State Senate advances sweeping climate change legislation](#) [LA Times – June 3, 2015]

[How Europe’s climate policies led to more U.S. trees being cut down](#)

[Washington Post – June 2, 2015]

[‘Moon shot’ call on clean energy](#) [BBC News – June 2, 2015] (“A group of scientists and economists is calling for the equivalent of the Apollo space program to produce cheap, clean energy”)

[Update: 3-Europe’s top oil firms jointly call for carbon pricing](#) [Reuters – June 1, 2015] (“...chief executives of BG Group, BP, Eni, Royal Dutch Shell, Statoil and France’s Total said carbon pricing ‘would reduce uncertainty and encourage the most cost-effective ways of reducing carbon emissions widely’”)

Images to Ponder

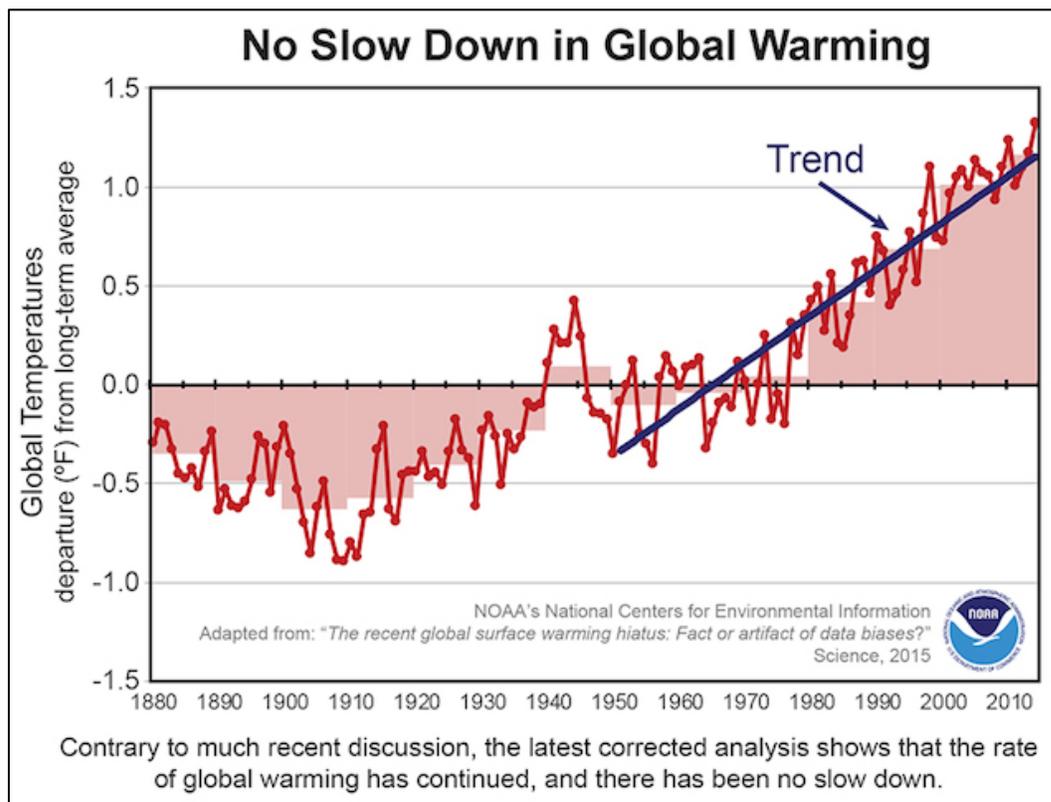
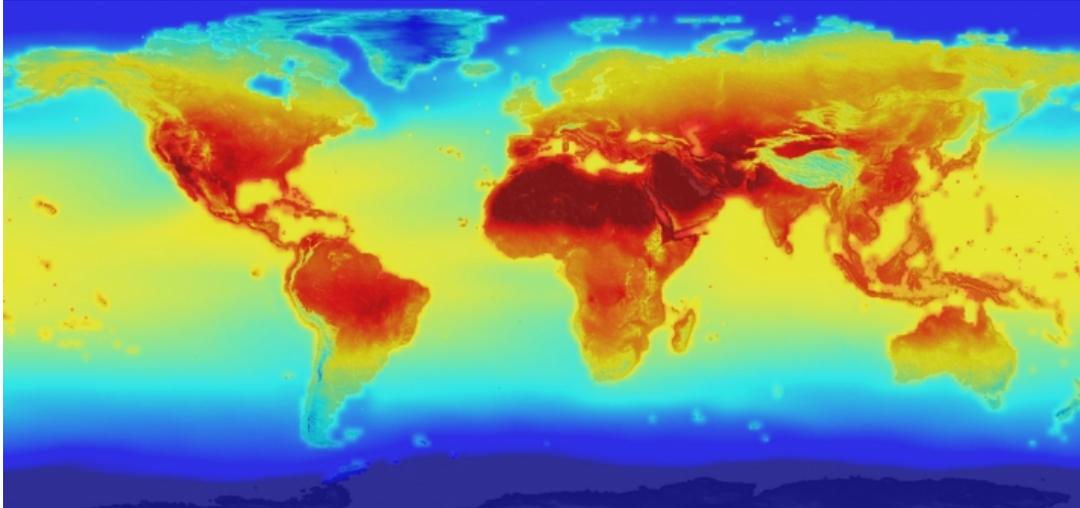


Image source: <http://thinkprogress.org/climate/2015/06/05/3666286/global-warming-speed-up/>



Global high temperatures in July 2100 under high greenhouse gas emissions

Image source: <http://www.climatecentral.org/news/map-nasa-climate-projections-19093>

Current and past editions of the DWR Climate News Digest can be viewed and downloaded at: <http://www.water.ca.gov/climatechange/news.cfm>. Please email questions, comments, or listserv subscription requests to: climatechange@water.ca.gov.