



DWR Climate News Digest

January 2015

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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

[Growing Solutions: Climate Change and Agriculture Recommendations to the California Governor](#)

[California Climate and Agricultural Network – January 2015] *(This report “recommends twenty-eight ways the Brown Administration can support agriculture in reducing greenhouse gas emissions while building more resilience to drought and extreme weather” and “lays out a roadmap for supporting the \$43 billion agriculture industry in coping with the challenges ahead while also doing its part to tackle climate change”)*

Published Literature

[Probabilistic reanalysis of twentieth-century sea-level rise](#)][Nature – January 2015]

[The geographical distribution of fossil fuels unused when limiting global warming to 2°C](#) [Nature - January 2015]

Sea-level Rise and other Ocean Impacts

[Smothered oceans: Extreme oxygen loss in oceans accompanied past global climate change](#) [UC Davis – January 28, 2015]

[Greenland ice: The warmer it gets the faster it melts](#) [Science Daily – January 20, 2015]

[Fishermen’s views of a changing ocean](#) [Center for American Progress – January 15, 2015]

[New climate research suggest acceleration of sea level rise](#) [KQED – January 15, 2015]

[Ocean life faces mass extinction, broad study says](#) [New York Times - January 15, 2015] (*“But there is still time to avert catastrophe...compared with the continents, the oceans are still mostly intact, still wild enough to bounce back to ecological health”*)

[As oceans heat up, a race to save world’s coral reefs](#) [National Geographic – January 15, 2015]

[Warming oceans speeding up climate change cycle](#)

[Responding to Climate Change – January 9, 2015]

Agriculture/Food Production

[Nutrition a new arena for climate change politics](#) [LaCrosse Tribune – January 25, 2015]

[When it comes to variations in crop yield, climate has a big say](#) [Science Daily – January 22, 2015]

[FAO: Genetic diversity a hidden tool in coping with climate change](#)

[Prevention Web – January 19, 2015] (*“In the coming decades, millions of people whose livelihoods and food security depend on farming, aquaculture, fishing, forestry and livestock keeping are likely to face unprecedented climatic conditions... it appears that natural forests will have to migrate 10 times faster than they did at the end of the Ice Ages to keep pace with climate change”*)

Extreme Weather Events

[Global warming won’t mean more storms: Big storms to get bigger, small storms to shrink, experts predict](#) [Science Daily – January 29, 2015]

[Climate change will cause more extreme La Ninas, research shows](#)

[Bloomberg Businessweek- January 26, 2015]

[Australia is burning, and climate change is making it worse](#)

[Bloomberg Businessweek – January 6, 2015]

[Climate change’s evolving role in extreme weather](#) [Climate Central – January 2, 2015]

[No doubt it’s a climate change drought, scientists say](#) [Forbes – January 1, 2015]

[Researchers offer new insights into predicting future droughts in California](#)

[NOAA – December 8, 2014]

Human Health Impacts

[Sweating it out: Climate change extremes to impact on sport](#)

[The Sydney Morning Herald – January 31, 2015]

[Tackling poverty and climate change two sides of the same coin](#)

[Eco-Business – January 20, 2015]

[Seven ways climate change could kill you \(really\)](#) [The Guardian – January 15, 2015] *(increases in respiratory illnesses such as allergies and asthma, along with the spread of diseases caused by insects and heat waves, will cause up to a quarter of a million additional deaths by 2050)*

[The human side of climate change](#) [Dhaka Tribune – January 12, 2015]

[Survey finds doctors concerned about impacts of climate change on patient health](#)

[Huffington Post – January 8, 2015]

[Tribute: The man who linked climate change to global health](#) [NPR – December 30, 2014]

Tribal Impacts & Traditional Ecological Knowledge

[These Native American tribes are fighting to stop their land from literally disappearing](#) [Think Progress – January 22, 2015]

[As Louisiana's marshes erode, so does the Houma Indians way of life](#)

[Aljazeera America – January 5, 2015]

[Yurok tribes hopes California's cap-and-trade can save a way of life](#)

[LA Times – December 16, 2014]

Wildlife and Ecosystem Impacts

[Climate change threatens more than 120 native bird species](#) [KPBS – January 30, 2015]

[Climate change: Warming seas may decrease sea turtle basking](#)

[University Herald – January 25, 2015]

[Warmer, drier climate altering forests statewide](#) [UC Berkeley – January 20, 2015]

[The tiny universe of mosses provides information about climate change](#)

[Fox News Latino – January 20, 2015]

[Arctic's 'penguins of the north' find workaround to climate change](#)

[National Geographic – January 12, 2015]

[Unusual number of UK flowers bloom](#) [BBC – January 9, 2015]

[Climate change may halve giant panda's habitat by 2070](#) [New Scientist – January 9, 2015]

[Scientists track natural responses to climate change](#) [The Daily Climate – January 2, 2015]

[Lost California rangeland is said to pose greenhouse gas risk](#)

[Sacramento Bee – December 28, 2014]

Greenhouse Gas Mitigation

[Back to the future: Advanced nuclear energy and the battle against climate change](#)

[The Energy Collective – January 19, 2015]

[web-based tool] [COMET-Planner](#) [NRCS and Colorado State – January 2015] (*"This evaluation tool is designed to provide generalized estimates of the greenhouse gas impacts of conservation practices and is intended for initial planning purposes"*)

[Sequestration on shaky ground: Natural impediment to long-term sequestration of carbon](#)

[dioxide](#) [Science Daily – January 21, 2015] (*"...once injected into the ground, less carbon dioxide is converted to rock than previously imagined"*)

[White House targets methane to slow climate change](#) [Time – January 14, 2015]

[Growing cities hold key to curbing climate change](#) [Scientific American – January 12, 2015]

[Nuclear power is the greenest option, say top scientists](#) [The Independent – January 4, 2015]

[Converting carbon: A climate change solution?](#) [Nature World News – December 30, 2014]

Climate Adaptation

[Vertical gardens beat soil made salty by climate change](#)

[Scientific American – January 30, 2015]

International Planning

[Royal Dutch Shell tells its investors to adopt climate change resolution, a first for major oil and gas companies](#) [International Business Times – January 29, 2015]

[Asia's cities poised to lead in climate change adaptation](#) [Asia Foundation – January 28, 2015]

[Copenhagen unveils first climate change adapted neighborhood](#)

[Aljazeera America – January 26, 2015] (*Cloudburst boulevards and innovative bowl-shaped parks are designed to protect the city from rising sea levels*)

[India and U.S. commit to global fight against climate change](#) [Scientific American – January 26, 2015]

[Kenya: Climate change influences quality of life for women](#) [All Africa – January 26, 2015]

[Wanted: Public feedback on Singapore’s climate action plans](#)

[Channel NewsAsia – January 20, 2015]

[Government releases book on climate change](#) [Zee News India – January 20, 2015] (*“The book titled ‘Carbon Capture, Storage and Utilisation’ deals with mitigating climate change that is arising out of carbon emissions in the atmosphere”*)

[Manage Himalayan ecosystems to reduce effects of climate change: Prakash Javadekar](#)

[The Economic Times – January 19, 2015]

[Climate change book finds reasons for optimism](#) [The Bellingham Herald – January 17, 2015]

[U.S., China face distinct challenges on climate change](#) [VOA News – January 16, 2015]

[India should lead the fight against climate change: UN chief](#) [The Hindu – January 13, 2015]

[Governments should plan for climate change migrants](#) [Scientific American – January 8, 2015] (*“...extreme weather and natural disasters force far more people from their homes than wars”*)

[Nigeria: The role of women in tackling climate change](#) [Daily Trust – December 31, 2014]

[Korea to ratchet up climate change efforts](#) [The Korea Herald – December 31, 2014]

Legislative and Policy Updates

[Obama orders stricter flood standards for federal projects](#)

[Associated Press – January 30, 2015]

[2014 brought lasting action on climate change policy](#) [December 30, 2014]

Communicating Climate Change

[STUDY: How broadcast networks covered climate change in 2014](#)

[Media Matters – January 28, 2015]

[Why it’s good to laugh at climate change](#) [The Guardian – January 20, 2015]

[The words we use matter in climate change adaptation](#)

[Southern Fried Science – January 17, 2015]

[West Virginia Education Board rejects curriculum that distorts climate science](#)

[National Journal – January 14, 2015]

[Climate change crusaders kids will love](#) [Independent – January 3, 2015]

BLOGS/Commentary

Jessica Goldstein on "[*Venereal disease, taxes, but not climate change: Where Disney draws the line on PSAs*](#)" [Think Progress – January 28, 2015]

Des Browne and Michael Shank on "[*A clear and present danger to planet Earth: Climate change*](#)" [National Interest – January 26, 2015] ("*There is no more clear and present danger capable of destabilizing the world around us. The time to act is now*" according to the former U.S. Secretary of State for Defense)

Lisa Hymas on "[*Here's an excellent analogy about climate change and developing countries*](#)" [Grist – January 26, 2015] ("*India is in the position of the guest who's shown up late to the dinner party just as the plates are being taken away and is now being asked to help clean the pots and pans*")

Emily Atkin on "[*New Senate Environment Chair gets his gavel, goes on rant arguing climate science is a hoax*](#)" [Think Progress – January 22, 2015]

Andrea Tuttle on "[*Protecting California's natural lands is key to combating climate change*](#)" [Sacramento Bee – January 20, 2015]

Miles King on "[*Should tackling climate change trump protecting nature?*](#)" [The Guardian – January 19, 2015]

Jason Samenow on "[*Scientists react to warmest year: 2014 underscores 'undeniable fact' of human caused climate change*](#)" [Washington Post – January 16, 2015]

Joe Romm on "[*Why is the USDA confusing farmers by calling climate change 'weather variation?'*](#)" [Think Progress – January 14, 2015]

John Podesta on "[*New actions to reduce methane emissions will curb climate change, cut down on wasted energy*](#)" [White House – January 14, 2015]

Ban Ki-Moon on "[*We are the last generation that can fight climate change. We have a duty to act*](#)" [The Guardian – January 12, 2015]

LA Times Editorial Board on "[*California's bold attack on climate change*](#)" [LA Times – January 8, 2015]

Naomi Oreskes on "[*Playing dumb on climate change*](#)" [Business Standard – January 5, 2015]

Kevin Grandia on "[*2015 might be a peak year for climate change*](#)" [Desmogblog – January 2, 2015]

Additional Items of Interest

[website] [*Key Concepts in Climate Change Adaptation*](#) [World Wildlife Fund – January 2015]

[Climate change could impact the poor much more than previously thought](#)

[The Guardian – January 26, 2015]

[Think climate change won't affect your pension? Think again](#) [AOL U.K. – January 26, 2015]

[U.S. and India make climate change announcement on first day of Obama's trip](#)

[NPR – January 25, 2015]

[Senate rejects human role in climate change](#) [New York Times – January 22, 2015]

[The Senate actually just acknowledged climate change is real](#)

[Huffington Post – January 22, 2015]

[Climate change inaction pushes 'doomsday clock' closest to midnight since 1984](#)

[The Guardian – January 22, 2015] *(This symbolic clock created by the Bulletin of Atomic Scientists in 1947 to indicate the cold war threat has now moved to three minutes before midnight because of the "gathering dangers of climate change and nuclear proliferation")*

[NASA photos show climate change's impact on glaciers, ice](#)

[The Weather Channel – January 20, 2015]

[Obama: No 'greater threat' than climate change](#) [US News – January 20, 2015]

[135 years of global warming in one terrifying animation](#) [BGR – January 20, 2015]

[U.S. senators aim to force high-profile vote on climate science](#)

[American Association for the Advancement of Science – January 20, 2015]

[2014 proves hottest on record, driven in part by climate change](#)

[CBS News – January 16, 2015]

[Scientists: Human activity has pushed Earth beyond four of nine 'planetary boundaries'](#)

[Washington Post – January 15, 2015]

[Pope says climate change mostly man's fault](#) [Scientific American – January 15, 2015]

[Oh "SMAP"! New NASA satellite will help predict drought, climate change](#)

[Popular Science – January 15, 2015]

[Too hot to connect. Can the Internet withstand climate change?](#) [Slate – January 14, 2015]

[Estimated social cost of climate change not accurate, Stanford scientists say](#)

[Stanford news – January 12, 2015]

[The Francis climate change freak-out](#) [Religious News Service – January 12, 2015] (*Pope Francis statement about issuing an encyclical on climate change in coming months has generated strong reactions among Catholics and others*)

['Climate change' in 2015: Bigger than religion – or selfie?](#)

[Insurance Journal – January 12, 2015] (*"The phrase 'climate change' yields roughly 108 million results in a Google search – in the ballpark in terms of numbers of results with 'Jesus Christ', 'Mohamed' and 'selfie'..."*)

[Cheaper oil complicates war on climate change](#) [CNBC – January 11, 2015]

[It's official: 2014 was hottest year ever recorded](#) [Nature World News – January 10, 2015]

EPA chief on climate change: **["The scary thing is doing nothing"](#)**

[Washington Post – January 9, 2015] (*"The U.S. needs to step up and provide leadership and the rest will follow. Us simply saying 'I'm not going to do anything because I can't do it all' is never, ever how we have faced any challenge that this country's had, ever."*)

[Climate change goals cannot be met unless most of the world's fossil fuels are left untouched](#)

[International Business Times – January 9, 2015]

[2014 was the hottest year on record globally by far](#) [Climate Progress – January 5, 2015]

[We benefit from life insurance, so why not climate insurance?](#)

[The Energy Collective – January 5, 2014]

[How climate change is making its mark on the world – pictures](#)

[Responding to Climate Change – January 5, 2015]

[A grandfather on climate change and the poem that led to activism](#)

[Care2.com – January 2, 2014]

[Climate change must unite the globe, urges Sire David Attenborough](#)

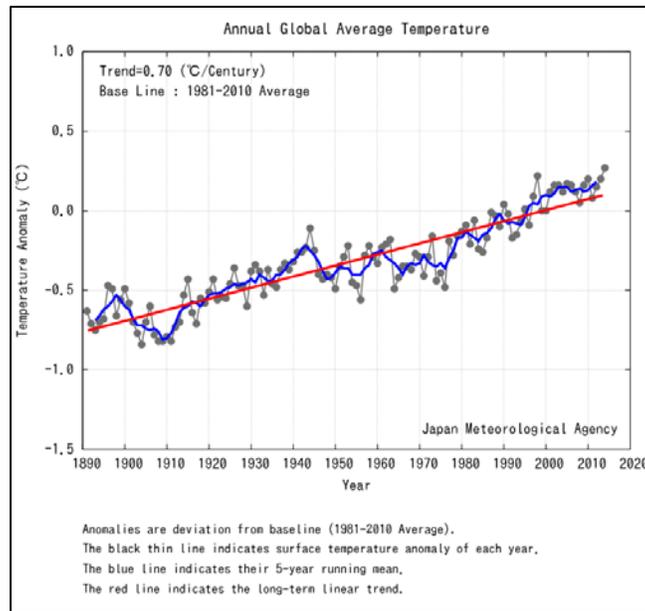
[Wales Online – January 1, 2015]

[Squaw-Alpine: Climate change an industry threat to Tahoe resorts](#)

[Tahoe Daily Tribune – January 1, 2015]

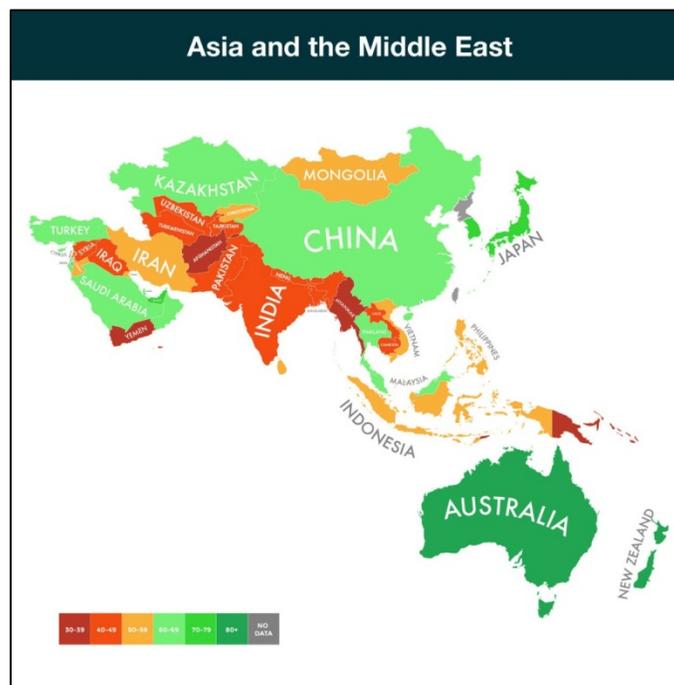
[NYC 2050: Climate change and the future of New York](#) [WNYC news – December 30, 2014]

Images to Ponder



Note: 2014 is the warmest on record; the planet has NOT been cooling recently!

Image credit: http://ds.data.jma.go.jp/tcc/tcc/products/gwp/temp/ann_wld.html



The red and orange countries have the greatest vulnerability and least readiness to address the effects of climate change.

Uh oh.

Image credit: <http://i100.independent.co.uk/article/these-are-the-countries-most-at-risk-from-a-climate-change-apocalypse--gkxwHiOhcx>

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