

# DWR Climate News Digest

March 2016

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The information provided in the DWR Climate News Digest is a selected compilation of recent popular news articles, publications, and other information relevant to climate change and water management, and is 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**

### **[Safeguarding California – Implementation Action Plans](#)**

[California Natural Resources Agency – March 2016]

### **[California Water Action Plan 2016 Update](#)** (pdf)

[California Natural Resources Agency – March 2016]

### **[SECURE Water Act Section 9503\(c\) – Reclamation Climate Change and Water 2016](#)**

[US Bureau of Reclamation – March 2016]

### **[State of the Climate: Record Heat and Weather Extremes](#)**

[World Meteorological Organization – March 21, 2016] (*The report summarizes “details of the record land and sea surface temperatures, unabated ocean warming and sea level rise, shrinking sea ice extent, and extreme weather events around the world”; link to pdf [HERE](#)*)

## **Published Literature**

### **[Disentangling greenhouse warming and aerosol cooling to reveal Earth’s climate sensitivity](#)**

[Nature – March 14, 2016]

### **[Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2°C warming could be dangerous](#)**

[Atmospheric Chemistry and Physics – March 22, 2016]

## **Agriculture/Food Production**

### **[Impact of climate change on food production could cause over 500,000 extra deaths in 2050](#)**

[AAAS – March 2, 2016]

### **[Study: Conservation agriculture may not stop climate change](#)**

[High Plains Journal – March 14, 2016]

### **[Climate change-caused food scarcity could have dire consequences](#)**

[Weather.com – March 4, 2016]

### **[The hidden driver of climate change that we too often ignore](#)**

[Washington Post – March 9, 2016] (*“The research...points the finger at phenomena like animal agriculture, rice cultivation and waste disposal as key features of climate change that don’t get much attention, but that overall are causing the Earth to heat up more than it would otherwise”*)

### **[How is climate change affecting agriculture?](#)** [University of California ANR– March 22, 2016]

### **[Can climate change actually give us better wine?](#)** [Modern Farmer – March 24, 2016]

## **General Water Management**

### **[Western aquifers: ‘We can’t be wasting water’](#)** [Yale Climate Connections – March 16, 2016]

### **[Feds warn of new threats to water supplies with climate change](#)** [SF Gate – March 22, 2016]

## **Extreme Weather Events**

### **[Heat waves, droughts and heavy rain have clear links to climate change, says National Academies](#)** [Scientific American – March 14, 2016]

## **Sea-level Rise and other Ocean Impacts**

### **[Scientists explore drastic solution to sea-level rise](#)** [Climate Wire – March 10, 2016] (*“Scientists have a new idea to slow the effects of climate change: pumping water far onto inland Antarctica to freeze for millennia”*)

### **[See how your city may be affected by rising sea levels](#)** [Time – February 14, 2016]

## **Water/Energy Nexus**

### **[White House features newly launched MIT Climate CoLab Energy-Water Nexus contest](#)**

[MIT – March 22, 2016]

[Coloradans learn from Israelis about water](#) [Mountain Town News – March 30, 2016]

### **Human Health Impacts**

[Experts assess the impact of climate change on public health](#) [Phys Org- March 1, 2016]

*(“Already vulnerable populations including the poor, minority groups, women, children, and older people will face the greatest challenges brought on by climate-caused illness”)*

[Healthy diet may reduce gas: Greenhouse gas, that is](#) [Climate Central – March 21, 2016]

[When physicians are on the front lines of climate change care](#) [GreenBiz – March 25, 2016]

### **Tribal Impacts & Traditional Ecological Knowledge**

[Stillaguamish Tribe: Way of life threatened by dwindling salmon runs](#)

[Daily Herald – March 15, 2016] *(“Without enough fish in the river, the tribe can’t catch salmon to have at its ceremonies, to feed its elders or to teach the next generation where and how to fish”)*

[Community to relocate due to rising seas](#) [ClimateWire – March 21, 2016]

[Rising Voices melds indigenous, western science perspectives](#) [NCAR – March 24, 2016]

[Inuvialuit develop plan to combat erosion, retreating ice caused by climate change](#)

[CBC News – March 29, 2016]

### **Wildlife and Ecosystem Impacts**

[Risk level rises for North American forests](#) [Climate News Network – March 6, 2016] *(“The speed at which the climate is changing is outstripping forests’ ability to adapt to drier, hotter conditions across vast swathes of the US and Canada”)*

[Good news: Scientists have found corals that might actually survive climate change](#)

[Science Alert – March 24, 2016]

[Climate vs. Primate: Dawn of Extinction?](#) [Scientific American – March 24, 2016]

### **Greenhouse Gas Mitigation**

[Overlooked tool to fight climate change: A tweak in fuel standards](#)

[New York Times – March 28, 2016]

## **International Planning**

### **[A brief history of Canada's stunning about face on climate change](#)**

[Think Progress – March 9, 2016]

### **[Caribbean Climate Innovation Centre – Leading the regional response to climate change](#)**

[Jamaica Information Service – March 14, 2016]

### **[Climate change is killing off a 5,000 year old Iraqi culture](#)** [Motherboard – March 27, 2016]

*(“Although Middle Eastern countries will be some of the hardest hit by climate change, there is a marginalized community within their borders which will be affected by climate change still more than others: Women”)*

### **[Urgent action needed to reduce effects of climate change](#)**

[Government of Jamaica – March 27, 2016]

## **Legislative and Regulatory**

### **[Supreme Court backs EPA this time, refuses to block controls on toxic mercury](#)**

[Washington Post – March 3, 2016]

## **Communicating Climate Change**

### **[‘Sexy’ NASA ranks high in trustworthiness; EPA not so much](#)** [Climate Wire – March 14, 2016]

### **[Americans finally realize that we cause climate change](#)** [Huffington Post – March 18, 2016] (“A

*Gallup poll released this week shows an all-time high of 65 percent of Americans who said climate change was caused by human activities, up from 55 percent just last year”)*

## **BLOGS/Commentary**

Ayana Elizabeth Johnson on “**[The key to halting climate change: Admit we can’t save everything](#)**” [The Guardian – February 17, 2016]

Ben Schiller on “**[We can’t rely on market forces alone to fix climate change](#)**” [Fast CoExist – March 4, 2016] (“If you think about it, the let-the-market-fix-it climate argument makes no sense. There’s no inherent reason why prices of fossil fuels, solar, and other technologies should align in such a way that allow us to meet our carbon goals. They are separate things with their own dynamics. It’s only by intervening in the market that we can get the prices to where we need them to be”)

Andrew Revkin on “**[Too soon gone – Gary Braasch, visual chronicler of climate change](#)**”

[New York Times – March 8, 2016]

**Richard Somerville and Catherine Gauthier on “[Climate change and the 2016 election](#)”**

[Bulletin of the Atomic Scientists – March 13, 2016]

**Murtaza Baxamusa on “[Why climate change action cannot succeed without social equity](#)”**

[San Diego Free Press – March 14, 2016]

**Steve Olson on “[Will history condemn climate deniers?](#)” [USA Today – March 15, 2016] (“They risk both the planet and keeping company with allies of slavery and colonialism”)**

**Michael Mann on “[The Wall Street Journal, climate change denial and the Galileo Gambit](#)”**

[EcoWatch – March 28, 2016] (*If he were alive today, Galileo would be appalled to witness industry shills wrap themselves in his legacy. He would not be on the side of powerful fossil fuel interests who fund attacks on scientific research; perhaps this time, ironically, he would be on the side of his Pope and the scientists whose council he regularly seeks, who respect facts and evidence and recognize the reality we live in for what it is*)

### **Additional Items of Interest**

[website] [Water Resources Dashboard](#) [US Climate Resilience Toolkit – March 2016] (“This dashboard provides access to maps and data that can help water resource managers and urban planners monitor the potential for extreme precipitation and drought in the regions.”)

[Climate change institute shut down](#) [Yale News – March 1, 2016]

[Human-induced climate change triggered the Middle East’s worst drought in 900 years, NASA says](#) [International Business Times – March 3, 2016]

[Women are the ones fighting the tough environmental battles around the world](#)

[Think Progress – March 8, 2016] (“So many of the women we work with will tell you: ‘We are not the victims. We are the solutions.’”)

[21 kids are suing President Obama over climate inaction](#) [The Nation – March 9, 2016]

[February smashes Earth’s all-time global heat record by a jaw-dropping margin](#)

[WunderBlog – March 13, 2016]

[Mediterranean could be in driest spell for 900 years](#) [Climate Home – March 14, 2016]

[Florida Republicans demand climate change solutions](#) [Scientific American – March 15, 2016]

[Huge Canadian glaciers melting faster](#) [Energy & Environment News – March 21, 2016]

[Carbon emissions highest in 66 million years, since dinosaur age](#) [Reuters – March 21, 2016]

[How can global CO2 levels soar when emissions are flat?](#) [Climate Progress – March 21, 2016]

[We had all better hope these scientists are wrong about the planet's future](#)

[Washington Post – March 22, 2016]

[Rockefellers dump Exxon holdings that made family's fortune](#) [Bloomberg – March 23, 2016]

[ExxonMobil, Chevron told to allow investor climate votes](#) [PhysOrg – March 24, 2016]

[Meteorologists overwhelmingly conclude climate change is real and human-caused](#)

[Washington Post – March 24, 2016] (*"...more than 95 percent of meteorologists think climate change is happening and more than 80 percent of them estimate human activities are at least half-responsible"*)

['There was just no snow': Climate change puts Iditarod future in doubt](#)

[The Guardian – March 24, 2016]

[press release] [US Army Corps of Engineers leads the way in combatting climate change](#)

[US Army – March 25, 2016]

[State AGs vow to tackle climate change and fossil fuel industry fraud](#)

[Think Progress – March 29, 2016]

[Arctic sea ice dwindles to new record winter low](#) [Scientific American – March 29, 2016]

[Regulators examine financial risks of climate change](#) [Wall Street Journal – March 31, 2016]

(*"Regulators around the globe are researching potential risks to financial stability from a failure to contain climate change or a sudden collapse in the value of fossil-fuel assets"*)

## Images to Ponder

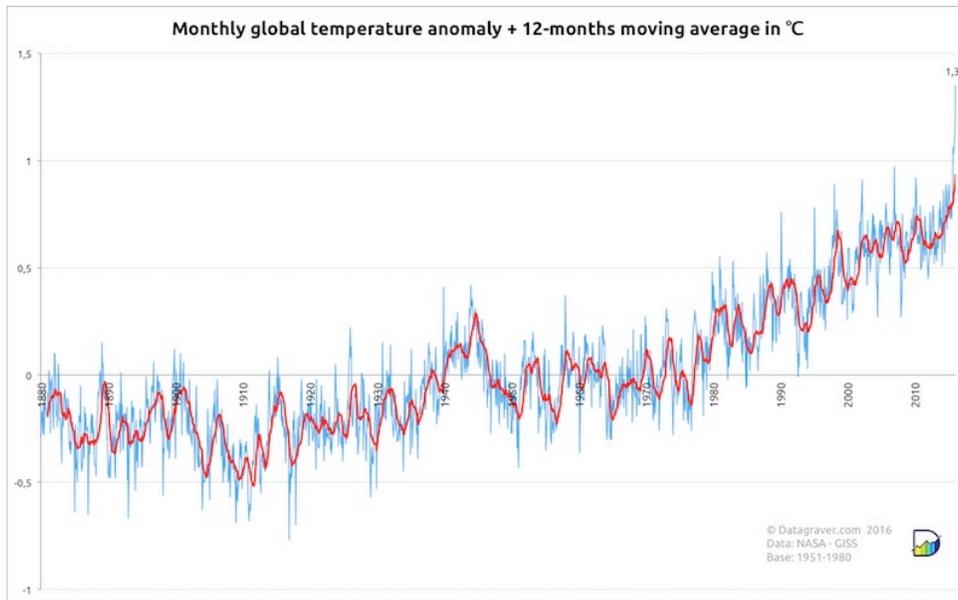


Image credit: <http://www.wunderground.com/blog/JeffMasters/february-smashes-earths-alltime-global-heat-record-by-a-jawdropping>

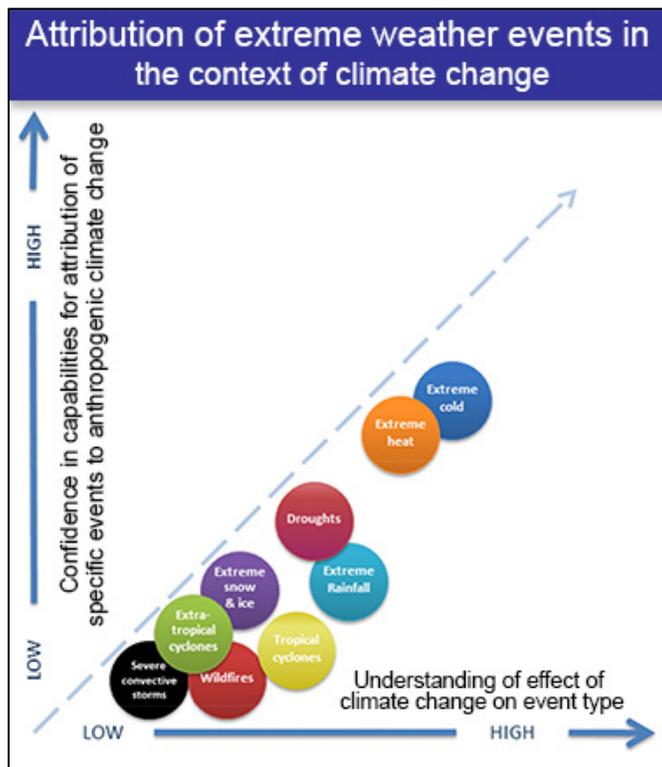


Image credit: <http://www.eenews.net/climatewire/2016/03/14/stories/1060033930>

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