



SpaceX 'chopsticks' catch Starship Super Heavy booster (See article on page 4)

# California Water and Infrastructure Report

## For October 17, 2024

(With expanded coverage of all the Western States)

by Patrick Ruckert

Published weekly since July, 2014

An archive of all these weekly reports can be found at both links below:

<http://www.californiadroughtupdate.org>

<https://www.facebook.com/CaliforniaDroughtUpdate>

## A Note to Readers

### First, My Announcement:

For personal reasons this will be the last report I will do on a weekly schedule. Though I will, periodically, perhaps monthly, continue to publish this report. For I cannot completely leave either the topic, or to leave my readers “high and dry,” as I know that at least a portion of the subscribers and readers do appreciate my efforts to provide both a picture of current developments in regard to this broad topic, and the political and technical developments presented.

It has been ten years since I began writing this report. I have learned a great deal about the California water management system, and much more. Most importantly, what I discovered is that, despite the recent decades of environmentalist and economic sabotage, this system still remains the largest and most complex water management system in the world. And it has made California the largest and most productive agricultural region in, not only the United States, but the entire world.

I am most happy with my discoveries of the historical background of both the development of the California system and the great and visionary individuals that created and built it. And, just as

importantly, yet little known today, the great water project plans outlined during the presidency of John Kennedy, which fell by the wayside during the political and economic shift that seized the nation after that great President's assassination.

Kennedy's project to build nuclear-powered desalination plants nation-wide, and the one at Huntington Beach, which had, by 1970, resulted in a signed contract to begin construction of the first such plant between the Nuclear Regulatory Commission and the Metropolitan Water District of Southern California. The second major project that had hearings in both houses of Congress and actual bills being debated, the North American Water and Power Alliance, that would have created a continent-wide water management system, also had Congressional sponsors, the agreement of the Prime Minister of Canada, and great excitement in both countries, also faded away by the early 1970s.

Perhaps what I shall do in coming months is re-publish some of the studies I have done over the past decade that I believe should have more circulation.

This past decade, I hope, has provided thousands of readers of my reports something that has enriched their lives as it has definitely been, for me, a worthwhile journey. While I may not intrude as often into your mailbox, I will still do so, just less frequently.

## **This Week's Report**

There is very little real news this week on reportable developments, so outside of this week's *U.S. Drought Monitor*, I will present two articles that I think are critical for us to understand how we can fulfill the mandate given to us in the *Preamble of the U.S. Constitution*, and with the U.S. Presidential election just a couple of weeks ahead, we should all think about its obligations demanded of every U.S. citizen.

### ***The Preamble of the Constitution of the United States***

***We the People of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.***

The report by Michael Carr, from *Promethean Action*, "*Our Future: One Giant Catch for Mankind*" defines the theme of this report. Real economy means science, technological revolutions, great projects of infrastructure, and daring to challenge all those who will claim "that is impossible."

And the second report by Benjamin Deniston, "*What Is Promethean Man? — In Defense of Science from Corruption*", also from *Promethean Action*, provides the reader with an introduction to what to look for in the presidency of Donald Trump, beginning in January next year.

Michael Carr's report highlights the extraordinary accomplishment of Elon Musk's SpaceX 'chopsticks' capture of the Starship Super Heavy booster as it returned to Earth. "... Starship is designed to achieve reflight of its rocket booster ultimately within an hour after liftoff. The booster returns within ~5 minutes, so the remaining time is reloading propellant and placing a ship on top of the booster."

Starship's successful test flight is just the most recent, and a most important step, in the program launched by President Trump during his presidency called the "*Artemis Project*" with the goal of returning U.S. astronauts to the Moon and then on to Mars, not simply to visit the Moon, but to establish a permanent colony on the Earth's celestial body.

Benjamin Deniston's report, begins:

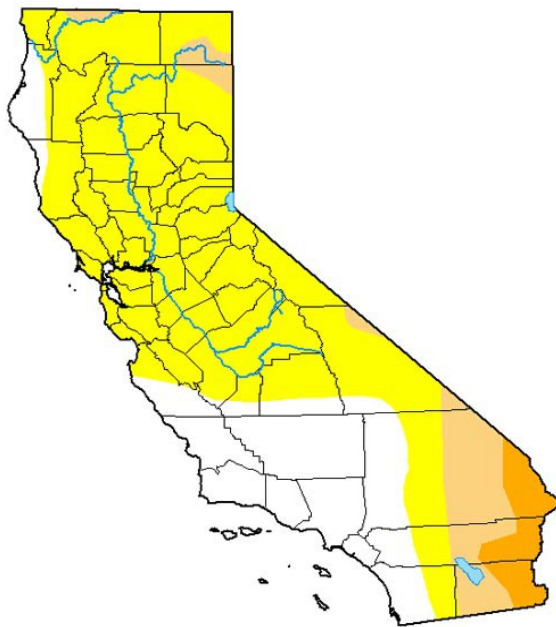
*“The step-by-step destruction of the U.S. economy over the last two generations goes beyond simply bad policies. There are deeper cultural and philosophical elements that need to be addressed, centering around a corrupted view of mankind’s place in the universe. Addressing this creates the basis for a classical cultural renaissance that embraces and celebrates the true dignity of man.*

*“From radical environmentalists claiming today’s great moral act is to not have children, to ivory tower academics telling us human beings are fundamentally no different than animals, core notions about the fundamental dignity of man have been under attack. To a large degree, academic and scientific institutions have been leading the way in this cultural and philosophical shift.”*

I have included both the introductory paragraphs and a link to the full article for both of them.

## U.S. Drought Monitor California October 14, 2024

### U.S. Drought Monitor California



**October 15, 2024**  
(Released Thursday, Oct. 17, 2024)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	24.68	75.32	14.05	4.30	0.00	0.00
<b>Last Week</b> 10-08-2024	24.68	75.32	13.77	1.72	0.00	0.00
<b>3 Months Ago</b> 07-16-2024	78.80	21.20	1.62	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2024	96.65	3.35	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 10-01-2024	28.40	71.60	10.67	0.08	0.00	0.00
<b>One Year Ago</b> 10-17-2023	94.32	5.68	0.00	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

## The West

As with the Plains and the South, most all of the West was dry this week with only some coastal areas of California and Washington measuring any precipitation. Warm temperatures dominated the region with almost everyone at least 3-6 degrees above normal for the week and areas of Utah, Idaho, Colorado, Nevada, Wyoming and southern Montana 9-12 degrees above normal.

Abnormally dry and moderate drought conditions expanded over Washington and Oregon. In Arizona, moderate and severe drought expanded in the southern portions of the state and into southern

California. Moderate drought also expanded in central Arizona.

The heat that has impacted the Southwest has been record-setting. Phoenix went 21 straight days of setting all-time daily high temperature records that ended on October 15, when the high temperature of 99 degrees Fahrenheit did not break the daily high.

New Mexico had severe and extreme drought expand over southern parts of the state, while abnormally dry conditions filled in more of the west. Moderate drought emerged in southwest Colorado, with severe drought expanding and a new area of extreme drought in the north central portions of the state.

Utah had abnormally dry conditions and moderate drought expand in the east. In Wyoming, moderate drought expanded over the southwest part of the state, severe drought expanded in the central area, and moderate drought expanded in the northwest.

## Our Future: One Giant Catch for Mankind

We're covering the momentous catch of the Superheavy booster, electric air taxis, extending human lifespans, and building beautiful buildings and cities.



[Michael James Carr](#)

October 14 2024

<https://www.prometheanaction.com/our-future-one-giant-catch-for-mankind/>



"... Starship is designed to achieve reflight of its rocket booster ultimately within an hour after liftoff. The booster returns within ~5 minutes, so the remaining time is reloading propellant and placing a ship on top of the booster." <https://x.com/elonmusk/status/1845633730154545465>

### *In today's report:*

- Moon and Mars Colonization Moves a Big Step Closer With Superheavy Catch
- Flying Cars: One More Reason We Need a Trump Presidency
- Can We Extend Life Expectancy?
- Building Beautiful New Cities and Enhancing the Beauty of Older Cities
- With Feds Missing in Action, Citizens Pull Together to Rescue, Rebuild After Helene

## **Moon and Mars Colonization Moves a Big Step Closer With Superheavy Catch**

On October 13th, SpaceX successfully plucked the Superheavy booster rocket out of the air with the "Mechazilla arms" attached to the same launch tower from which it had launched (with more than twice the thrust of the Saturn V) about six minutes earlier. This is a key step to setting up permanent human operations on the Moon and Mars.

The current plan is to make this system so reliable, that each Superheavy could be launched several times a day (like an airliner). Until we develop fission or fusion rocket powered space tugs to cycle between the Earth and the Moon, or the Earth and Mars, each Starship launched past Earth orbit will require 6 to 8 refueling flights by other Starships.

We should also note that SpaceX had been waiting since August to get permission from the Federal Aviation Administration to make this flight. The FAA had attempted to delay the launch until late November! Pressure from NASA, Congress, and the general public seems to have had an effect. See the 1 min. video below. MAGA!

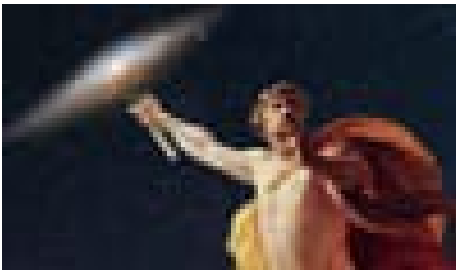
## **What Is Promethean Man? — In Defense of Science from Corruption**

The step-by-step destruction of the U.S. economy over the last two generations goes beyond simply bad policies. There are deeper cultural and philosophical elements that need to be addressed, centering around a corrupted view of mankind's place in the universe.

[Benjamin Deniston](#)

October 16 2024

<https://www.prometheanaction.com/what-is-promethean-man-in-defense-of-science-from-corruption/>

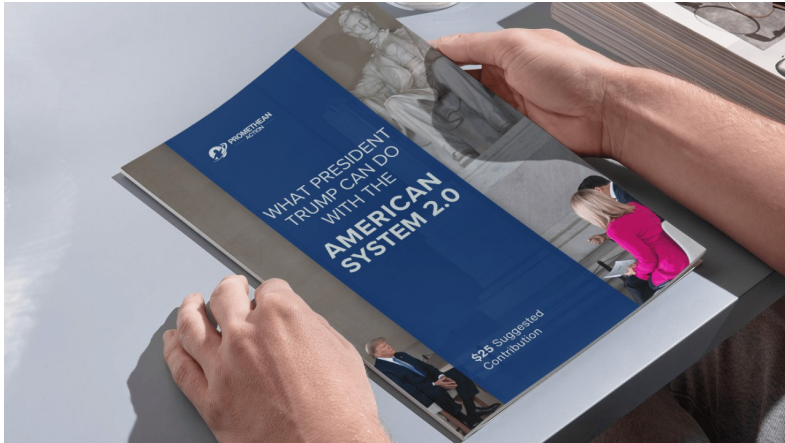


*The following article is an extended version of the last section of our just released "What President Trump Can Do With The American System 2.0".*

The step-by-step destruction of the U.S. economy over the last two generations goes beyond simply bad policies. There are deeper cultural and philosophical elements that need to be addressed, centering around a corrupted view of mankind's place in the universe. Addressing this creates the basis for a classical cultural renaissance that embraces and celebrates the true dignity of man.

From radical environmentalists claiming today's great moral act is to *not* have children, to ivory tower academics telling us human beings are fundamentally no different than animals, core notions about the fundamental dignity of man have been under attack. To a large degree, academic and scientific institutions have been leading the way in this cultural and philosophical shift.

Many Americans awakened to the depths of corruption in our scientific establishment after living through the absurdities of COVID lockdowns. Others had noticed the corruption earlier, while being subject to the repeated mantra of climate change catastrophes that never actually occur. But control over academic institutions and abuse of the authority of science for political control is not new. In his famous 1961 farewell address in which he warned of the growing power of a military industrial complex, President Eisenhower went on to warn about the dangers of political control over academic institutions and the capture of political institutions by “a scientific-technological elite” (Eisenhower, 1961).[\[1\]](#)



## **What President Trump Can Do With The American System 2.0**

Our latest pamphlet release is hitting the streets across the country.

[Download Your FREE Copy Now](#)

Under this corruption, the general scientific consensus is that mankind is nothing more than another animal species, with life itself being nothing more than a temporary, random chemical occurrence in a universe that's ultimately heading towards an entropic heat death, in which any and all actions you take during your life are ultimately meaningless.

This is what our children are being taught today. Is it any wonder how far our culture has degenerated?

But is this what science actually says, or is this the product of scientific institutions operating under the corruption of an anti-human, oligarchical ideology?

As we'll see here, an unbiased, uncorrupted scientific study of mankind's place in the universe shows the opposite. When our founding fathers declared the independence of our soon-to-be nation, they looked to the highest truths of natural law as the basis for justifying their actions.

We hold these truths to be self-evident, that all men are created equal, that they are endowed, by their Creator, with certain unalienable rights, that among these are life, liberty, and the pursuit of happiness.

-U.S. Declaration of Independence, 1776

Some may argue these are simply nice conceptions. Here, we show that *this is the only scientifically valid basis for government*, as the following picture of mankind's place in the universe demonstrates mankind's unique position as the highest expression of creativity in an inherently creative universe.

## Our Creative and Developing Universe

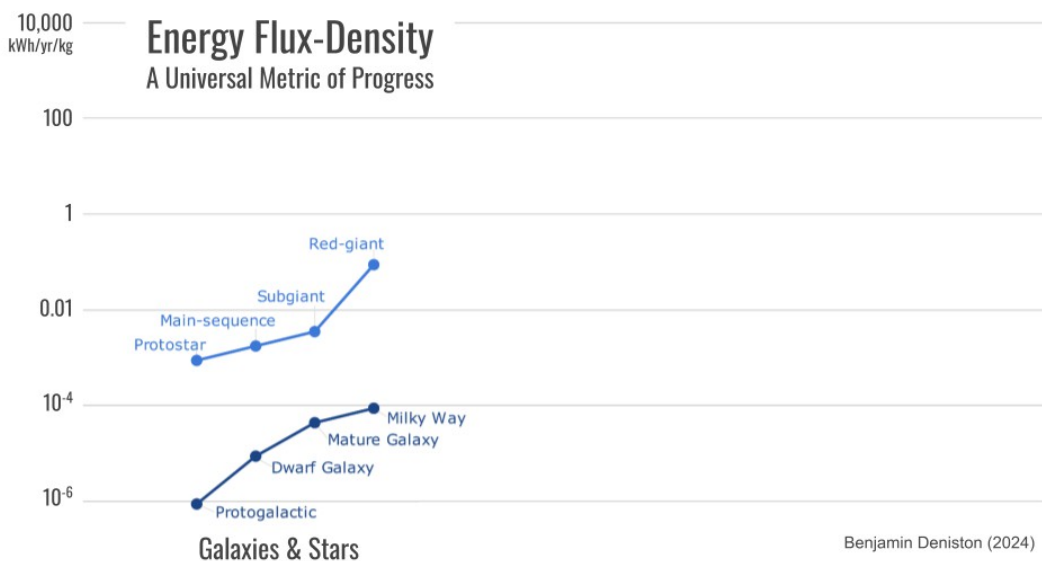
We have a specific metric that allows us to examine the most fundamental processes of development of the entire universe and the activities of mankind in one coherent picture: energy flux-density, measuring energy per time per mass.[\[2\]](#)

Utilizing this universal metric, we can measure the development of stars and galaxies, the evolution of life and the biosphere, and the development of human society all on one scale. These are the core evolving systems that determine the overall complexity and potential of the universe, and our universal metric of energy flux-density clearly shows mankind as a unique creative force in a creative universe.

## Stars and Galaxies

Starting with the astronomical, let's examine the evolution and development of entire galaxies and, then, individual stars. For galaxies, the evolution from the earliest stages of formation to a well-formed galaxy, like our own, will be measured by about a 50-fold increase in energy flux-density (Chaisson, 2014).[\[3\]](#) However, this is mostly determined by the stars that compose the galaxies—with the least-developed stars operating at a level 10-fold above developed galaxies.[\[4\]](#) For a typical star, from its initial formation stage to the end stages of its life cycle, its own development is measured by about a 100-fold increase in energy flux-density (Chaisson, 2014).

This development is powered by nuclear fusion, through the combining of lighter elements into heavier elements. Aside from a few of the very lightest elements, this process of stellar nucleosynthesis is responsible for the development of the full periodic table—the oxygen you're breathing now, the carbon in your body, the iron in your blood, all this was produced by stars through fusion.



Graphic by

Benjamin Deniston, using data from: Chaisson, 2014.

Thus, stars transform the more limited chemical potential and complexity of a few initial elements into the full periodic table of over 90 elements (and over 300 isotopes). This is a *negentropic process*, creating more organized states, with higher complexity and greater potential.

Thus, as the stars go through their lifecycle, they act as *negentropic agents*, shaping the material and energetic characteristics of galaxies,[\[5\]](#) in a manner that is similar to how life shapes the conditions of the biosphere. This is the first of three sets of pairings between negentropic agents and the systems they

define.

The author presented this material at Promethean Action's Founding Conference (starting at 3:27:00 in the video).

<https://rumble.com/v50zxv0-promethean-action-founding-conference-afternoon-and-evening-sessions-edited.html>