



Greetings!

**WHOA!**



**Stop! Look! Listen!**

### **More Climate Change Findings in the News**

Since the UN Intergovernmental Panel on Climate Change (IPCC) issued its report in October, two subsequent scientific reports echoing and augmenting the information and warnings about climate change have come from the U.S. Climate Report compiled by 13 federal agencies, and from the Global Carbon Project. **They warn of more damaged environments, shrinking economies and climate refugee crises because greenhouse gas emissions are increasing like "a speeding freight train."**

[U.S. Climate Report](#) and [summary article](#)  
[Global Carbon Project summary article](#)

### **Climate Change in Numbers.**

**75-90%:** Amount that industry emissions must fall by 2050 to ensure only 1.5 degrees C (2.7 degrees F) rise in average global temperature.

**45%:** Percentage decline in CO2 emissions required by 2030.

**80%:** Percentage of meat and eggs currently consumed that will have to be replaced by other proteins.

**100%:** Percentage of cars that will need to be electric by 2030.

**2.5%:** Percentage of the world's GDP that should be devoted to mitigating global warming over the next 17 years.

**0:** Level of CO2 emissions that needs to be achieved by 2050 to prevent



**Good news, insights  
and action  
for positive change**

~ ~ ~

**PERSIST  
INSIST  
PROTECT  
DEFEND  
DEMAND  
DEFY  
DISRUPT  
GUIDE  
CREATE**

~ ~ ~

**"Imagine"**  
*John Lennon*

***Justice is what love  
looks like in public.***  
*Cornel West*

*Because I always have a  
choice, I choose love.*  
*Deepak Chopra*

\*\*\*

*Come, Come, whoever  
you are.  
Ours is not a caravan of  
despair. --Rumi*

\*\*\*

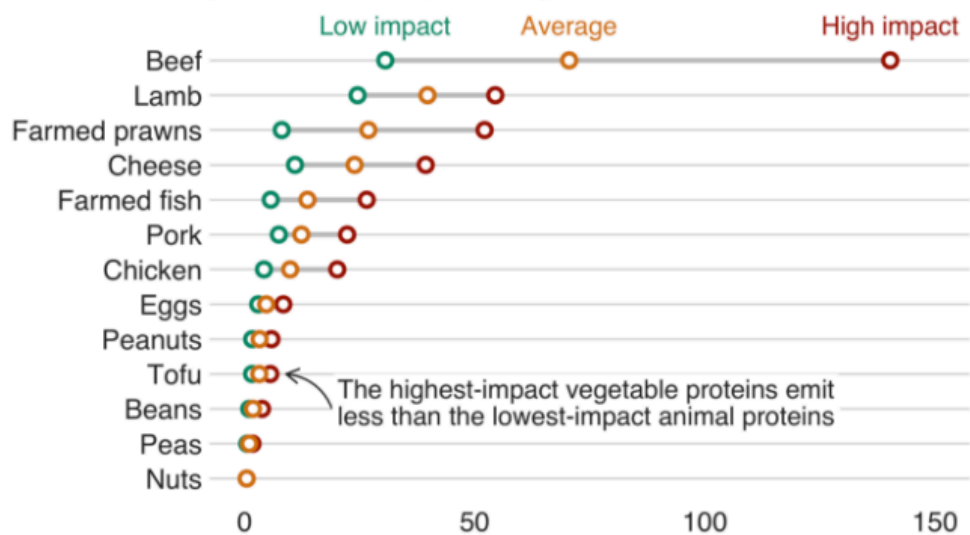
catastrophic climate change. Source: IPCC

## Climate Change in Charts

[BBC shows 7 charts](#) that gives an excellent visual of several elements of climate change including temperature, sea levels, climate targets, biggest emitters (China and the US), and impact of food choices.

### Beef has the biggest climate impact

Greenhouse gas emissions per kilogram



Source: Poore & Nemecek (2018), Science

BBC

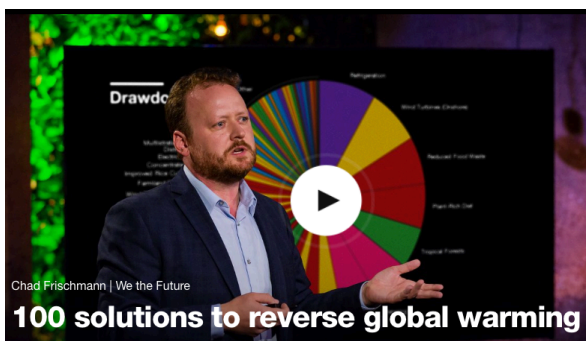
\*\*\*

## We Know What To Do

In the ["What You Can Do"](#) section of my website you'll find a number of articles with ideas about how each of us can contribute to reversing global warming.

### [The top 6 ways we can help:](#)

Waste less food, eat less factory-farmed meat, consume less energy and water, lobby representatives, talk with folks and find common ground with others, and join organizations working to address climate change.



Project Drawdown's Chad Frischmann

## 100 Solutions to Reverse Global Warming

I've talked about Project Drawdown before, and I encourage you to watch this [17 min. TED talk video](#) (400,000 views in 24 hours). It is a clear and complete introduction to Project Drawdown's purpose,

research, and findings. "8 of the top 20 solutions relate to our food systems. This shows that the decisions we make every day (particularly referring to adopting a plant-rich diet) about the food we produce, purchase and consume are the most important contributions every individual can make to reversing global warming."

*Every single person on this earth has the power to change the world.*

*Emma Thompson  
Actress and Activist*

\*\*\*

*When the people lead,  
the leaders follow.*

*Gandhi*

~ ~ ~

## FOR THE LOVE OF EARTH



Print by Mayumi Oda

## [Why I have hope in the Face of Human Extinction](#)

**David Korten**

When I ask an audience, "Who believes we are on a path to human extinction?" nearly every hand goes up. It's a sign of a growing awareness that humanity is on a path to self-imposed environmental and social collapse. For me, that awareness is a source of hope.

## [Climate Change or System Change?](#)

**by Local Futures**

## [For the Love of Earth](#)

**David Korten**



[THE GREEN NEW DEAL](#) We're hearing more and more about the Green New Deal, an ambitious and doable plan for job development and effective climate action. Here is the report from [Data for Progress](#).

\*\*\*

### Do You Remember?

On December 21, 1968, Apollo 8 went on a mission to explore the moon, and discovered the Earth.

Astronaut Ron Garan gave a talk entitled "The Speech That United Us All" at the Unrig the System Summit in 2018, a program sponsored by RepresentUs.

[Watching the 13 min. film](#) and listening to Garan's personal story and perspective alternately gave me the chills and made me cry. A beautiful presentation as he looks at "our critical fork in the road."



"Earthrise," Astronaut Bill Anders' photo

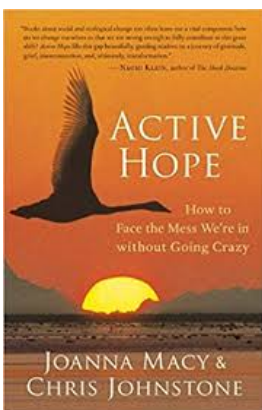


"We need to base our future on the image of *Earthrise*. The image of *Earthrise* has 3 key pillars: Interdependence, long term thinking and profound collaboration all wrapped into the blanket of empathy and compassion."

\*\*\*

### ACTIVE HOPE

How do we stay engaged, balanced, positive and proactive amidst the daily barrage of stomach-turning bad news? To help us in these scary, uncertain times I heartily recommend this book: *Active Hope; How to Face the Mess We're in Without Going Crazy*, by Joanna Macy and Chris Johnstone. With insight, clarity and provocative questions for self-inquiry, the authors point to a way to envision and create the world we want, for ourselves, our children and grandchildren, and into future generations.



The authors lay out three stories that are simultaneously active right now in our world. There's [The Great Unraveling](#), which says that we're going from bad to worse and all is lost. It doesn't allow for any possibilities. Then there's [Business as Usual](#), which basically turns a blind eye to the problems, crises, and challenges before us. It seeks to keep things as they are, and pretends that despite the evidence of rapid deterioration of our social structures and environment, and that we are on a collision course with the reality of a finite planet, as long as the

### UPLIFTING STORIES & INNOVATIONS



#### [Ethiopia Declares Car Free Days Each Month](#)

Thousands walked, danced and exercised on the first car free day.

#### [Climate Agreement Reached in Poland](#)



#### Want to ditch some plastic?

Try shampoo bars like these I've been loving from [Chagrin Valley](#)



And check out the [Package Free Shop](#) for intriguing and Earth-friendly products.



Chris Johnstone & Joanna Macy

economy keeps growing we'll be fine. The last story is The Great Turning, which is the growing awareness that we need to change our ways and consequent action undertaken by millions of people globally to create a healthy and just world. It resists, in actions and consciousness, the other two stories.

\*\*\*

## CLIMATE ACTION NEWS



### Fish in the Fields

A project of the [Resource Renewal Institute](#) targets California's 500,000 acres of flooded rice fields to produce a new source of protein while cutting methane emissions from rice cultivation. "With one simple, economical change in rice cultivation we have the potential to ease many of the world's most pervasive nutritional, agricultural and environmental challenges."

\*\*\*

### World Bank will invest \$200 billion to address climate change, doubling its current investment.

"Climate change is an existential threat to the world's poorest and most vulnerable. These new targets demonstrate how seriously we are taking this issue," said Jim Yong Kim, World Bank Group President.

\*\*\*

### Young Climate Reality Leaders Take Climate Action to the Courts

The case is part of a global trend in lawsuits alleging that governments have a responsibility to protect natural resources, including the atmosphere, for their people.

\*\*\*

## WISDOM FOR OUR TIMES



*Hope is a taproot of power.  
Hope is a great warrior.  
Hope is what we become in action.  
The only way to believe in the new  
is to become part of it.* Frances Moore Lappe'

*Hope is a dimension of the soul, an orientation of the*

## Highlights from Active Hope

*Active Hope is a practice; it is something we do rather than have. First, we take a clear view of reality; second, we identify what we hope for in terms of the direction we'd like things to move in our values we'd like to see expressed; and third, we take steps to move ourselves or our situation in that direction.*

*An action that might seem inconsequential by itself adds to and interfaces with other actions in ways that contribute to a much bigger picture of change.*

\*\*\*

## FAVORITE RESOURCES

[350.org](#)

[Climate Reality Project](#)

[The Small Planet  
Institute](#)

[Local Futures](#)

[Network of Spiritual  
Progressives](#)

[Project Heaven on Earth](#)

[Yes! magazine](#)

[The Optimist Daily](#)

~ ~ ~





Václav Havel

*spirit, an orientation of the heart. It transcends the world that is immediately experienced and is anchored somewhere beyond its horizon. It is not the conviction that something will turn out well, but the certainty that something makes sense regardless of how it turns out."*



*Don't move the way fear makes you move.  
Move the way love makes you move.  
Move the way joy makes you move.*  
Osho



Joanna Macy

*You don't need to do everything. Do what calls your heart; effective action comes from love. It is unstoppable, and it is enough.*

[At 89, visionary activist and author Joanna Macy continues to inspire and teach. She shows us the way to inner and outer change.]

[VirginiaMudd.com](http://VirginiaMudd.com)  
[Desert Rose Press](http://DesertRosePress)

I hope you read  
**My Column**  
because it's about  
**HOPE.**



**Hope & Hopefulness**  
**Hopelessness & Despair**

When you start thinking about these ideas, these feelings, it becomes a very tricky and engrossing exploration.

[Read more.](#)

\*\*\*

**PASS IT ON**

If this newsletter has contributed to your life in some way, please send it along.

\*\*\*



[Mt. Everest Star Trails](#)

**Happy New Year!**  
**Virginia / Gibi**