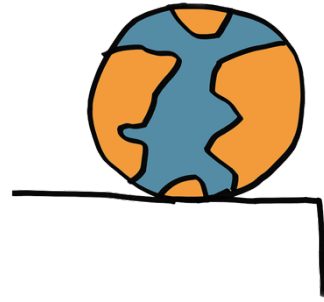


SEIZING AN ALTERNATIVE

Toward an Ecological Civilization

June 4-7, 2015

Section I: The Threatening Catastrophe: Responding Now



Joe Galliani's presentation based on Bill McKibben's keynote address:

OUTLINE

400 Gigaton 16 years in 2012

2795 GT 13 years now

It's going to take a very different kind of movement, a Global movement of total grassroots, since Govt's have been corrupted and we're starting to build that.

350 — started 7 years ago w/ Bill & 7 students

2009 — International Day of Climate Action — 5200 actions in 181 countries

CNN - The most widespread day of political activity in the Planet's history

In USA - mostly white, but all around the World, people of color mostly

If we had 50 years, we'd keep educating and doing actions.

Now we must raise the ante and the stakes - people must FIGHT.

Civil disobedience — XL Pipeline. Tar Sands actions — Oil trains, Coal Ports/ PNW — Fracking NY & CA next — Arctic drilling (Shell) — Native indigenous people

Divestment — “Do The Math” — Playing offense - Push back hard Keep it in the ground — Fossil Free — If they follow their business plan, the Planet tanks!

Divestment now rocketing w/ momentum — city, colleges, State of Calif. — Rockefeller Family, Church of England, Largest Ins. Co. in France 400,000

***** Great climate march - To change everything we need everyone. We are not choking, we are fighting

Oil in HB, Power plant in RB. FRACKING LA PORT CCA - LA County

100% renewables This is our Greatest Generation moment - 8 months to change everything after Pearl Harbor We must run towards the danger and fight We have the renewable power, we have the storage, we need the courage. Time to put your ass on the line. Our children & their children won't blame the Fossil Fuel Industry — They will blame us. At our age — What the hell can they do to us? We have no Guarantee of winning, but losing is Guaranteed if we don't fight.

PRESENTATION:

My job is just to bum everyone out.

To set the scene for this few days.

Because we are living in the middle of a deep immediate practical crisis.

The greatest crisis human beings have ever wandered into.

In civilization terms it came on very very fast. Bill wrote his first book on this 26 years ago.

We've only known about climate change a quarter century ago, and back then, we thought we had till the end of the Century to do something. But we were too conservative.

Human beings are baked. The Global temperature up by 1 deg. An enormous amount producing massive changes.

The very map of the world is changing. If you look at the world from space. In summer time the arctic looks totally different than it did 30 - 40 years ago. Lost as much as 3/4 of the Arctic sea ice. One of the world's great physical features all but gone.

The chemistry of the world is changing. Oceans are 30% more acidic than 40 years ago. Sea water absorbs carbon from the atmosphere.

The color of the world is changing. You know that snow pack in the Sierras is gone. The same is true across the Northern Hemisphere where snow is retreating. As a result the Albedo's reflection is shifting dangerously.

So what we're seeing is the most basic physics facts, biggest physical features on Earth

are in flux for the 1st time in our civilization's history.

The most important thing that has happened in the lifetime of everyone in this room happened sometime in the last 20 - 25 years. We crossed the invisible line that took us out of the 10,000 year long Holocene era of stable climate that coincide with the rise of civilization. We live in whatever you want to call what's next, and the impacts are already upon u.

Drought in Calif.

Worst drought in history of fertile crescent led to war in Syria. Now spread across the Middle East. Millions had to leave their farms.

It's not just drought or a hotter world drying up the world's water. Only that water is in the atmosphere. It's going to come back down — increasingly in deluges.

If you saw what happened in Texas and Oklahoma, you saw shocking pictures, but the numbers are even scarier than the photos. We've been keeping weather records in TX and OK since 1895 with rain totals — May of this year OK beat the old rainiest month in history by 24% and TX beat their worst by 16%. If you know weather data, you know that's statistically absurd and near impossible.

But the word of those old records isn't the one we live in any more.

The world we live in in India is suffering through a heat wave that has killed thousands. The 5th deadliest heat wave in the planet's history.

Speaking of history — 2014 hottest year in planet's history. 2015 is going to crush that record.

We've already increased temp by 1 deg and seem certain to raise it to 2 deg if we do everything right — But we are not doing everything right, and on our current path of emissions, we will raise it 4 - 5 deg C and 7 - 8 - 9 deg F before this century is out — and if we do that we cannot have a civilization like the one we have enjoyed till now.

The good news — and there is good news, is we know how to solve this.

We know what to switch to from oil, coal and gas. When we talked about renewables 25 years ago we mostly did it w/ our fingers crossed.

Last 6 years solar panel prices dropped by 75%. The cheapest way to produce power is w/ a solar panel.

In the places they're scaling up — Danes, 40% of their power is renewable, and on

some days it's 100%. in Germany, some days 80%. Costa Rica ran 1st 4 months entirely on renewable electricity. We could easily scale up.

Apollo Coalition says w/ a moon shot landing effort like in the 60s, we could be 100% renewable by 2025.

Not just climate change, but pollution — India, Delhi, 1/2 kids have irreversible lung damage. Access to energy for those who don't have it.

But right now there is no Apollo like effort. We're not knocking ourselves out to fix this. Just the opposite.

25 years bipartisan effort in DC to not respond.

This is about who we are and how we organize our lives.

But what it is about above all others is the power \$\$ of the fossil fuel industry.

Rogue & reckless industry that profits from wrecking the climate. Spews their toxic waste...if it's wrong to wreck...

It's time to do the math. 2 deg — Rolling Stone —
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