

Climate of Hope

	Bad News	Good News
1	Climate change is expensive, costing the world 5-20% of GDP	Confronting the problem is much less expensive--about 1% of GDP
2	Problems of Climate change are many, in many sectors of society.	Solutions come in many forms.
3	Cities are the source of 70% of greenhouse gas emissions: Buildings, construction, heating, air-conditioning.	White roofs, green roofs, solar panels, carbon tax.
4	Coal kills through respiratory disease, toxic mercury. It destroys rivers and groundwater. It accounts for ¼ greenhouse gas emissions.	Coal is no longer economically viable. Natural gas is cheaper. "Beyond Coal Campaign" of the the Sierra Club has helped close or phase out 240 plants.
5	Methane: Holds onto solar heat at a rate of 84% higher than CO ₂	Methane leaks at wells and pipelines can be plugged, regulators need to insist on maintenance, capture methane instead of flaring.
6	Solar is Expensive.	The costs are going down. Up-front loans can be provided.

7	Eating: Food-growing, cooking with biomass, food waste, fertilizers, eating meat.	Farming, along with eating and cooking offers the the most promising climate solutions.
8	Travel by car and truck: air pollution, time spent in traffic jams.	Travel by public transit. Cities can create car-free zones. End oil and gas subsidies. Favor renewables.
9	Timber Racket: Illegally logged lumber. Stolen timber costs in forced labor and revenues lost. 50% of hardwood used in U.S. is used to make wood pallets for shipping.	Timber imports can be monitored. Look for Forest Stewardship Council label when purchasing wood. Replace wood pallets with plastic or at least reuse them.
10	Deforestation	Reforestation: If we resored ½ of the mangroves lost since 1980, we would store 6 billion tons of CO2. Plant trees.
11	Drought/ Rain	In California, recharging aquifers would be the best solution to storing more water. Recycle potable water.
12	Rising Global Temperatures	Plants can save us
13	Global Problem	Global Solution

Resources

- *Climate of Hope* by Carl Pope and Michael Bloomberg (widely available in bookstores and libraries)
- “Quakers and the Eco-Reformation,” Presented by Cherice Bock, Berkeley Friends Church, March 10, 2018
- Ecology Center Store and Information Center, 2530 San Pablo Ave., Berkeley
 - Website: <https://ecologycenter.org/>
 - Fact Sheets: <https://ecologycenter.org/factsheets/>
- City Plans
 - Albany:
<http://www.albanyca.org/departments/sustainability/climate-action-plan>
 - Berkeley: <https://www.cityofberkeley.info/climate/>
 - Oakland:
<http://www2.oaklandnet.com/Government/o/PWA/s/SO/OAK025294>
 - Or check your city’s website
- Organizations
 - World Resources Institute, <http://www.wri.org/>
 - Sierra Club, <https://www.sierraclub.org/>
 - WWF, <http://wwf.panda.org/>
 - Last Ice Area (for polar bears and other arctic wildlife), http://wwf.panda.org/what_we_do/where_we_work/arctic/latest_ice_area/
 - Forest Stewardship Council, <https://ic.fsc.org/en>
 - Offers certification of wood products
- National Geographic Magazine
 - Excellent reporting on climate change impacts and prevention, agriculture, water, and more