

Energy Fair 30th Anniversary 1989-2019

THE
GLOBAL
AWAKENING
SERIES

TEN STEPS
TO A HEALTHIER,
SAFER PLANET



Lee Temple

"Provides us all we need to make informed choices and take wise action."-James O'Dea, author of *Cultivating Peace*

With Excerpts from *AWAKENING Into UNITY, the Complete Series Reader*

GLOBAL SNAPSHOT 2019

5.2 BILLION 1989 WORLD POPULATION ROSE TO **7.7 BILLION** IN 2019, UP **48%** IN 30 YRS
TOTAL GLOBAL ENERGY DEMAND GROWTH IN 2018 **2.3%** (STRONGEST IN A DECADE)
CO₂ IS 76% OF TOTAL GLOBAL GREENHOUSE GAS EMISSIONS IN 2018 **16% METHANE**
40.9 BLN TONS GLOBAL CO₂ EMITTED 2018 **UP 2.7% YOY**
UP 86% SINCE 1989'S **22.0 BT**
CO₂ INCREASES 2018 **CHINA 4.7%** **U.S. 2.5%** **INDIA 6.3%**
414.66PPM ATMOSPHERIC CO₂ MAY 2019, UP **17.4%** SINCE '89'S **353 PPM**
MONEY MANAGED GLOBALLY IN ESG/SRI FUNDS IN 2018 **\$12 TRILLION**
\$12.8 TRILLION (69%) U.S. CONSUMER SHARE **REAL GDP \$18.5 TR** UP 100% SINCE '89
\$300 BILLION GLOBAL FOSSIL FUEL SUBSIDIES 2018 (DOUBLE RENEWABLE SUBSIDIES)
4% RENEWABLE ENERGY DEMAND GROWTH **\$288 BILLION** RENEWABLES INVEST. 2018
5.1 MILLION ELECTRIC CARS SOLD 2018, **UP 63% YOY**
THAT'S **6.5%** OF **78.7 MILLION** CARS SOLD WORLDWIDE 2018
THERE ARE **1.554 BILLION** TOTAL CARS/TRUCKS/BUSES ON THE ROAD IN 2019
17.7 TERAWATTS WORLD ENERGY DEMAND (2/3'S PRODUCTION IS WASTED):
51% ELECTRICITY **32%** TRANSPORTATION **10%** HEATING/COOLING
1246 GIGAWATTS WORLD RENEWABLE ELECTRICITY CAPACITY
404 GW CHINA **339 GW E.U.** **180 GW U.S.**
26.2% RENEWABLE SHARE OF GLOBAL POWER PRODUCTION 2018, **8%** WIND/SOLAR
RENEWABLE'S PERCENTAGE OF TOTAL GLOBAL INSTALLED POWER CAPACITY **33%**
55% SOLAR PV **28%** WIND **11%** HYDRO
181 GIGAWATTS RENEWABLE CAPACITY INSTALLED 2018
TOTAL RENEWABLE ENERGY JOBS WORLDWIDE 2019 **11 MILLION**
3.2 MILLION CLEAN ENERGY JOBS IN THE U.S. **211,000** FOSSIL FUEL INDUSTRY JOBS
2018 YOY INCREASE IN RESIDENTIAL/COMMERCIAL EMISSIONS **10%**
13% GLOBAL CARBON EMISSIONS COVERED BY CARBON TAXING OR PRICING 2018
WORLD LEADER IN ALL RENEWABLE INSTALLED ENERGY
AND RENEWABLE INVESTMENT (32.2%) 2019 **CHINA**
100 CITIES WORLDWIDE USING 90-100% RENEWABLE ENERGY IN 2018 (0 IN 1989)
NUMBER OF EARTHS TO PROVIDE FOR HUMANITY/ABSORB OUR WASTE IN 2019 **1.72**
10 YEARS LEFT TO CURB GLOBAL TEMP. INCREASE TO 1.5° C (AT 1.0° ALREADY)

GLOBAL TAKEAWAY: IN SPITE OF OUR GREAT PROGRESS TO DATE, GLOBAL CO₂ EMISSIONS ARE STILL RISING! SO WE MUST ALL DO MORE, MUCH MORE! WE MUST DO ALL WE CAN TO RESTORE LIFE AND REDUCE CARBON EMISSIONS IN ALL PARTS OF OUR WORLD, STARTING TODAY!

SOURCES: JUNE 2019 IEA REPORT, GREEN AMERICAN, AND OTHERS

FOREWORD TO THE GLOBAL AWAKENING SERIES

BILL MCKIBBEN, FOUNDER OF 350.ORG

We are in a tremendous fix. We burn a lot of coal and gas and oil on a daily basis in this world—as a result, the atmospheric concentration of CO₂ has zoomed past the maximum safe level of 350 parts per million, and now nudges 400 ppm. As a result, the Arctic, and most of the other ice on the planet, is melting swiftly; as a result, the oceans are 30% more acidic than they were a generation ago; as a result, we see a steady and devastating increase in both flood and drought.

This is the first truly global problem that we've ever faced. The sources of the trouble aren't found everywhere—many people on Earth burn little or no fossil fuel—but the effects can now be found in every corner of the planet. In fact, many of the hardest hit places are ones that have done little to cause the crisis.

We don't lack for answers: Renewable energy is now a very real possibility, not just a hope. But the forces of the status quo—especially the big energy companies—do everything they can to keep us from getting there. So the world really does need to unify, in order to stand up to their millions. We'll never outspend Exxon, but unified we can find other currencies to work in: passion, spirit, creativity. It's been so gratifying to watch millions come together for demonstrations around the world—but this movement needs to get much bigger, to include as much of humanity as it possibly can.

Big crises can lead to big, powerful changes. Let's hope we can make that happen here!

TEN STEPS TO A HEALTHIER, SAFER PLANET

FOR

INDIVIDUALS

COMMUNITIES

FAMILIES

BUSINESSES

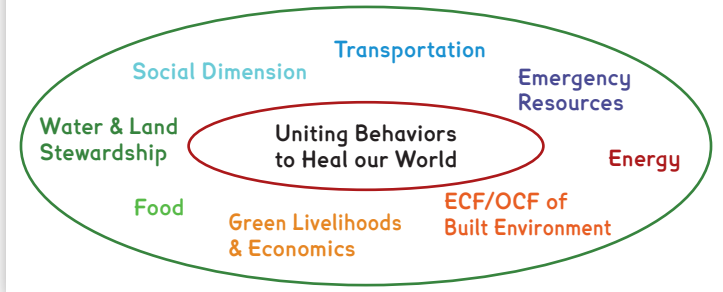
SCHOOLS

NATIONS

STATES

AND WORLD ORGANIZATIONS

UNIFIED HUMAN ACTIVITIES DIAGRAM



These areas of our daily life impact Earth with carbon emissions and are where to focus our energy for beating the climate-change tipping point. We can focus on each one by turns to lighten our carbon footprint, a comprehensive approach that forms the holistic basis for implementing the following Ten Steps. Recognizing our fundamental interrelatedness (as benefactor and beneficiary) to the larger whole of life on Earth, we naturally commit to healing that wholeness as best we can.

STEP 1

FIRST BABY STEP: DO ALL THE SIMPLE THINGS YOU CAN DO RIGHT NOW (WITHOUT ANY RESEARCH OR HELP) TO LIGHTEN YOUR CARBON FOOTPRINT (CF):

- Replace as many of your conventional light bulbs as you can with compact-fluorescent or LED bulbs. Buy them at local stores.
- Don't heat or cool empty rooms.
- Turn off/unplug computers/electronics not in use.
- Wash clothes in cold water; use drying racks/lines.
- Inflate tires properly. If you don't have them yet, buy personal pumps and gauges at local stores.
- **Live the 3Rs of Green: Reduce/Re-use/Recycle everything.**
- Use tree-saving recycled paper products (trees lessen the effects of carbon in the air).
- Shop locally. Compost. Mulch gardens to conserve water.
- Nurture your spirit with nature, music, books, and friends. (See the *Global Awakening References and Resources List* for some specific ideas.)

STEP 2

FIRST BIGGER STEP: SEE WHAT SIZE YOUR CARBON FOOTPRINT IS NOW:

It's easy, and usually enlightening! Search on "carbon calculators" and pick one you like. We personally like these: myclimate.org, terrapass.com/carbon-footprint-calculator, carbonfootprint.com/calculator.aspx, footprint.wwf.org.uk. You'll see if you're treading more heavily on Earth than you want to be. **An ideal CF for an individual is less than eight tons per year in the U.S.** The typical American family CF is more than eighty tons per year. We'd all do well to halve or even quarter that. (You can do this Step before or after Step 1, whatever works better for you; but if Step 1 is all you can do, at least do that!)

STEP 3**SEE WHERE YOUR ENERGY IS GOING:**

Identify all the parts of your life/work that contribute to your CF (food, transportation, energy, etc., as diagrammed above). Search on “energy audits” for ways you can do an audit yourself or hire someone trained to do it for you.

Energy.gov and energystar.gov can help you learn more and get started with this step.

STEP 4**SET REALISTIC, ACHIEVABLE GOALS TO
DOWNSIZE YOUR CF:**

Based on what you learn from Steps 2 and 3, **set a goal you can hold yourself to**—for example, I/we will reduce my/our CF by 50–75% in 1 year. Recruit local experts or audit personnel to help you find the areas of greatest impact that are do-able for you in your home situation, work situation, etc. Continue with a 3- or 5-year reduction plan.

Carbon Footprint Calculations Log:

Date	Website(s) Used	Total Tons

STEP 5

CONTINUE (AND IF POSSIBLE, UPGRADE) YOUR CF-LOWERING ON AN ONGOING BASIS.

- Fix energy-audit-identified air leaks. (5 points*)
- Install low-flow water fixtures, fix water leaks. (10 pts)
- Seal window edges. Install insulating window shades, ceiling fans, programmable thermostats. (10 pts)
- Bike or walk to work, drive/travel less, carpool. (10 pts)
- Install low-energy appliances/water heaters, or a methane digester. (10-20 pts)
- Switch to fuel-efficient hybrid/electric or plug-in electric vehicle(s), or bio-diesel fuel options. (15-20 pts)
- Install solar thermal/photovoltaic system(s). (20-35 pts)
- Relocalize your food supply—plant a garden, build a hoop house or greenhouse or window garden. (20-30 pts)
- Work at home full- or part-time to significantly reduce your overall mileage driven and auto wear and tear. (10-20 pts)
- Minimize/eliminate meat/dairy consumption. Go vegan! (40 pts)
- Plant/maintain new trees. (10-20 pts)
- Attend conferences online. (5-15 pts)
- Boycott high fuel-consumption travel. (15-20 pts)
- Vacation locally; make your home a healing sanctuary. (5-15 pts)
- Minimize/eliminate/recycle plastics. (5-10 pts)
- Work fewer days/week, reduce wk miles, enjoy life more!



[Click here](#) for our Allies, helpful resources for the above. [Click here](#) for Funding Opportunities to further your own green ideas!

*Points are valued in relation to potential impact on lightening overall household, school, etc., carbon footprints. For example, a typical (U.S.) household's CF is approximately 25-30% electricity, 20-25% transportation, 20-25% heating/cooking, 10-15% food/water supply, and 10-15% goods/services.



TRACK YOUR PROGRESS:

Check your CF regularly, using the form on page 4, to compare “apples to apples.” Find a green job (greenjobs.net, greenjobs.com, greenjobsearch.org) to reduce even more emissions and/or restore the environment.



EARTH-HEALERS UNITE!

Whether it's your own neighborhood, your school/university, business, town/city, or whatever circle(s) you're in, *Get Active*: Engage your new carbon-reducing sensibility with friends and neighbors – in personal conversations and online. **Stand up to climate change denial. Share your new skills. Communicate with local, state, and national government officials about climate change.** Actively encourage and help with lightening your community's CF. Create/organize/participate in outreach efforts, political advocacy campaigns, etc. Support businesses and organizations that are helping the Earth, divest from those that don't. [Click here](#) for resources that can help you help others make a difference (or search: 350.org, NRDC, EDF, 1% for the Planet, etc.).



VALUING MOTHER EARTH: EDUCATE AND CONSECRATE.

Engage your children, friends, spouse, students/faculty, community representatives, business associates, political friends/foes, religious associates, etc., in educational discussions about climate change and our role in making it

worse or better. Visit local nature sanctuaries or special spots to connect with/reverence nature, etc.; bring as many people with you who need this kind of (re-)connection with the spiritual dimension of nature. **Volunteer to help or start a local program that [helps endangered species](#) and/or [local natural habitats](#), engages in [environmental clean-ups](#) and/or [tree-planting efforts](#), etc.**



Vehicle Mileage/Fuel Consumption Record:

Date	Vehicle Mileage	Miles Since Previous	Gallons Purchased	Miles Per Gallon

Always check tire pressure and keep properly inflated.

STEP 9**PREPARING FOR CLIMATE CHANGE: EMERGENCY RESPONDERS UNITE!**

Climate change and extreme weather events like Super-Hurricane Sandy are upon us: **Don't be caught off guard or unprepared!** Make an effective emergency preparedness plan, and implement it. Search on “emergency preparedness,” then join with others in your community to put it in place. Coordinate with relevant agencies where you live/work to enhance emergency cooperation, resiliency, and preparedness—food banks, emergency resources including rapid responders, etc.—in your neighborhood, school/university, business, town/city, state or nation, or a community of same.

**STEP 10****CELEBRATE YOUR SUCCESSSES!**

Whether you're an individual, family, community, congregation, school, business, state, nation, or you name it, reaching a milestone on the road to carbon neutrality (and/or emergency preparedness) deserves a celebration! Celebrate when you are 25%, 50%, 75%, and especially 100% of the way toward achieving your goals. **Party like there will be many happy tomorrows!**



Emergency Information and Contacts:

Emergency Evacuation "BugOut" Items Checklist:

Taking these ten steps will lighten your carbon footprint and help shift the odds back in favor of life!



MAKING A DIFFERENCE WITH THE TEN STEPS

These important initiatives are my version of the old spiritual adage “chop wood, carry water,” a simple, concise way of seeing Earth-healing as an essentially spiritual enterprise. They help us bring the vital messages of the Global Awakening series -- the profound, lofty spiritual experience of the intrinsic oneness of all things, and the collective imperative of uniting as one human family to heal the world -- into concrete daily life and achievable actions we all can do.

THE TEN STEPS AND THE WORLD

As we collectively “just say no” to fossil fuel, our next great challenge is to convince the large energy companies to move away from their core extraction industries, to further embrace and champion alternative renewable energy moving forward. Many activist organizations are fully mobilized today—including greater lobbying, more protesting, greater networking and re-envisioning, among other actions.

Such efforts are vitally important. Yet we aren't all able or willing to participate in them. For those of us who aren't fully in the activist camp, committing to participate in the Ten Steps will make a significant difference, from right where we are today. The Ten Steps give us an effective, achievable route to the decimation of core fossil fuel usage, by helping us become a more empowered, growing, and savvy public that in ever louder unison insistently demands alternative, renewable, carbon-reducing fuels.

This is how actions speak louder than words. This is how we can, humbly and with great determination, walk our talk as an integral part of Nature. This is how we can, each and every day, give back more than we take and live our lives with more conscious gratitude to our Mother Earth and all our relations for the precious gift of our shared earthly life. This is how you too can help make a decisive difference—one person, one family, one household, one business, school, community, state or nation, at a time.

WEBLINKS LIST

STEP 2: myclimate.org, terrapass.com/carbon-footprint-calculator,
carbonfootprint.com/calculator.aspx, footprint.wwf.org.uk.

STEP 3: energy.gov/energysaver/weatherize/home-energy-audits
energystar.gov/campaign/improvements/how_it_works/home_performance_assessment

STEP 5: primamundi.com/step-up/allies, primamundi.com/step-up/funding-opps

STEP 6: greenjobs.net, greenjobs.com, greenjobsearch.org

STEP 7: primamundi.com/blog

STEP 8: Endangered Species: worldwildlife.org/species

Local Natural Habitats: nrdc.org

Environmental Clean-Ups: epa.gov/superfund

Tree-Planting Efforts: arborday.org

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Allies Page



Step 7: Our
Award-Winning Blog



Step 5: Funding
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Notes:

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EVERY EFFORT
MATTERS,
EVERYBODY
COUNTS!



WHY SHOULD WE DO THIS?
BECAUSE WE'VE GOT THE WHOLE WIDE WORLD
IN OUR HANDS!

For more information on the many important aspects of effective Earth-Healing, please visit primamundi.com.

“We are in a tremendous fix.

(Climate Change) is the first truly global problem that we’ve ever faced. So the world really does need to unify. Big crises can lead to big, powerful changes. Let’s hope we can make that happen here!”

-From the Foreword by Bill McKibben

How can humanity make such an unparalleled shift?

The Global Awakening Series helps us better understand the great context of this critical juncture, and how we can unite in timely, compassionate and *achievable* Earth-healing action.

These *Ten Steps*, the Essence of the Series, Provide a Handy, Easy-To-Follow Reference Guide for Your Journey Into Reduced-Carbon Living. Start Using Them Today!



A retired architect and architecture professor at Cornell and other leading universities, **LEE TEMPLE** is an award-winning author, visionary, elder, community organizer and global sustainability activist/consultant. He has been living the low-carbon life in the high-desert of southern Colorado since 1993.

This booklet was entirely written and e-published on carbon-neutral solar power. Learn more about Lee and his award-winning Global Awakening series, and how you and your network can be a stronger part of the global climate solution at <https://primamundi.com>.



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Sacred Cosmos
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