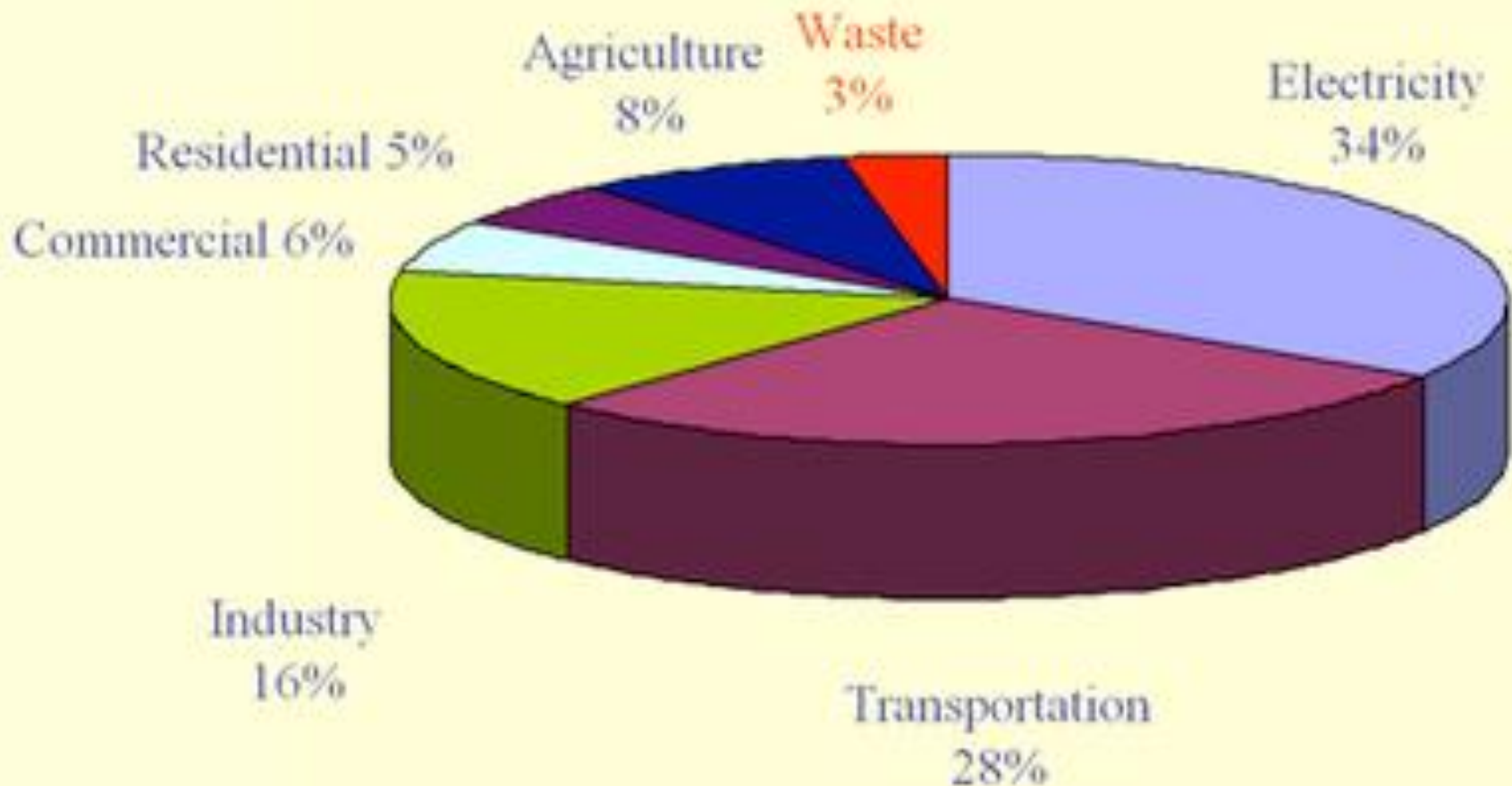




Cooking the Earth: Global Warming & Coal

U.S. Affiliate of International Physicians for the
Prevention of Nuclear War

Sources of Greenhouse Gases in Oregon



Coal: A Killer, Even Without Global Warming





**CODE
BLACK**
A MEDICAL EMERGENCY

PHYSICIANS FOR SOCIAL RESPONSIBILITY
HAS DETERMINED THAT BURNING COAL
IS A DEADLY THREAT TO YOUR HEALTH

PSR.ORG

Nationwide “Coal Rush”

Stopping the Coal Rush Map < Return to the Coal homepage

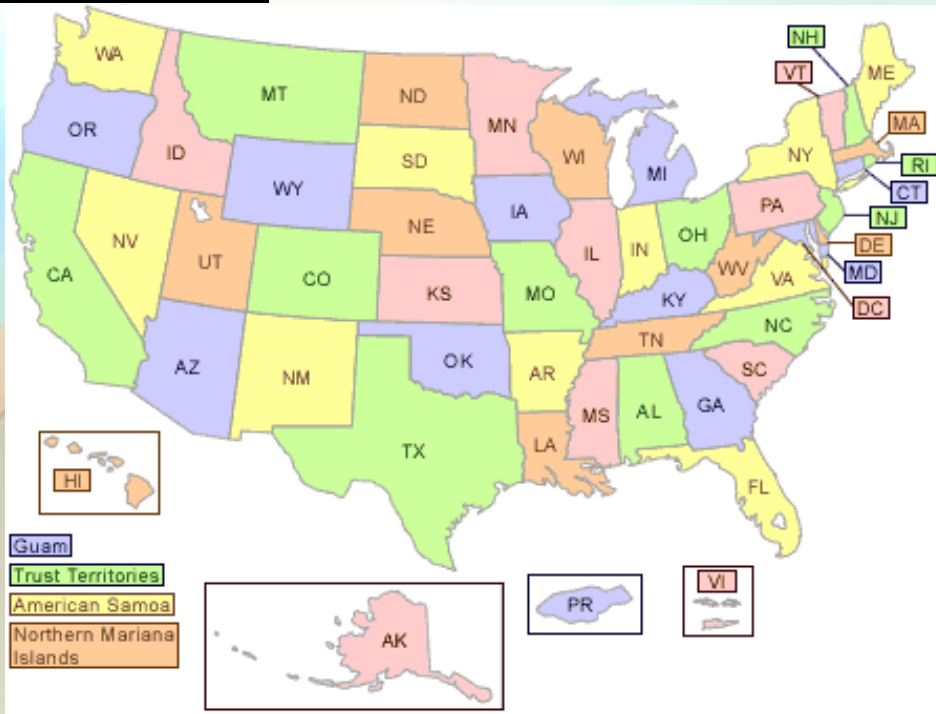


Deadly Coal Emissions Threaten Lungs, Life





Fish Advisories Where you Live



Mercury: Poisoning waters, fish... and us

one in six
women of
childbearing
age needs
to be worried
about mercury
pollution...



Fine Particulate Matter: Invisible and Deadly

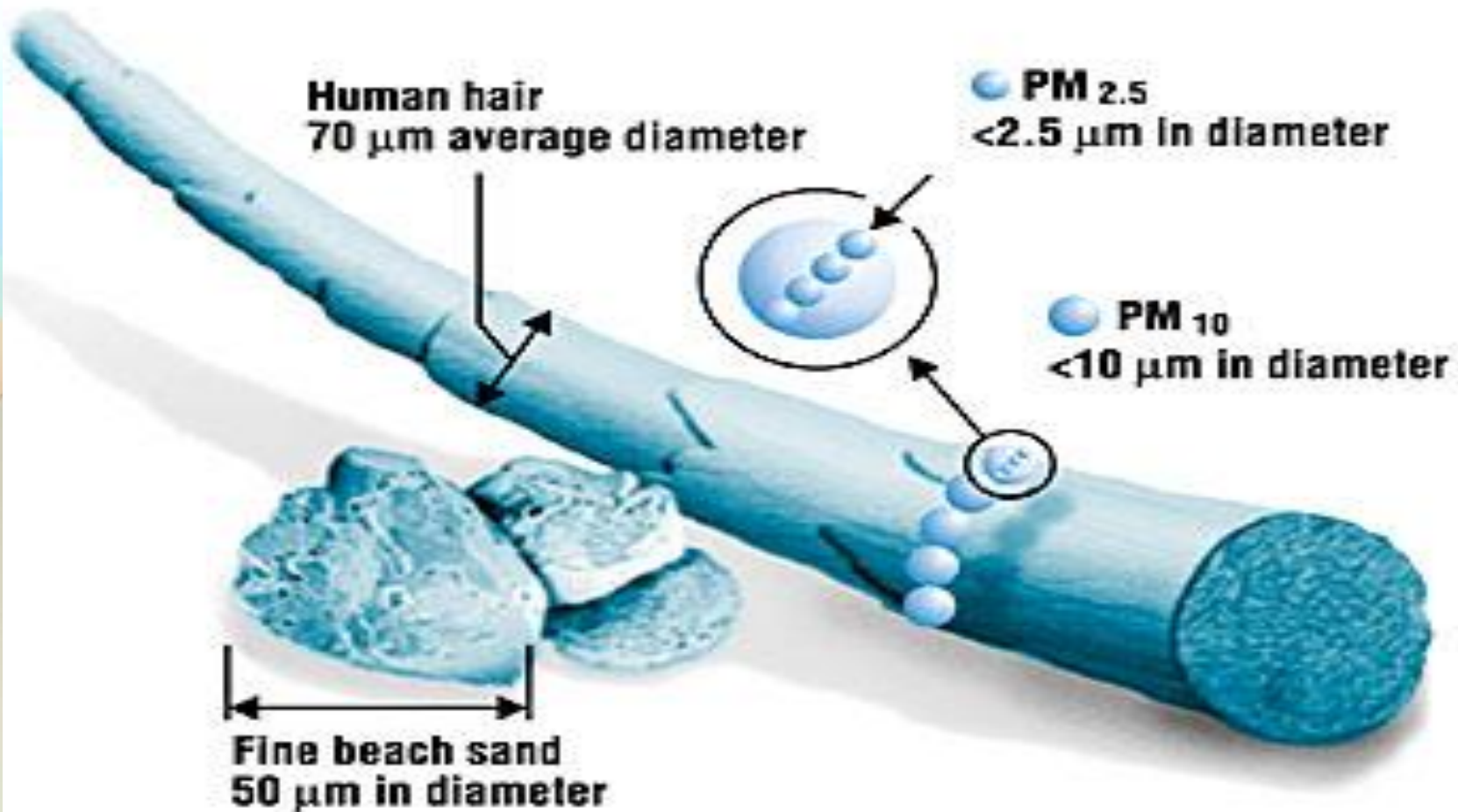
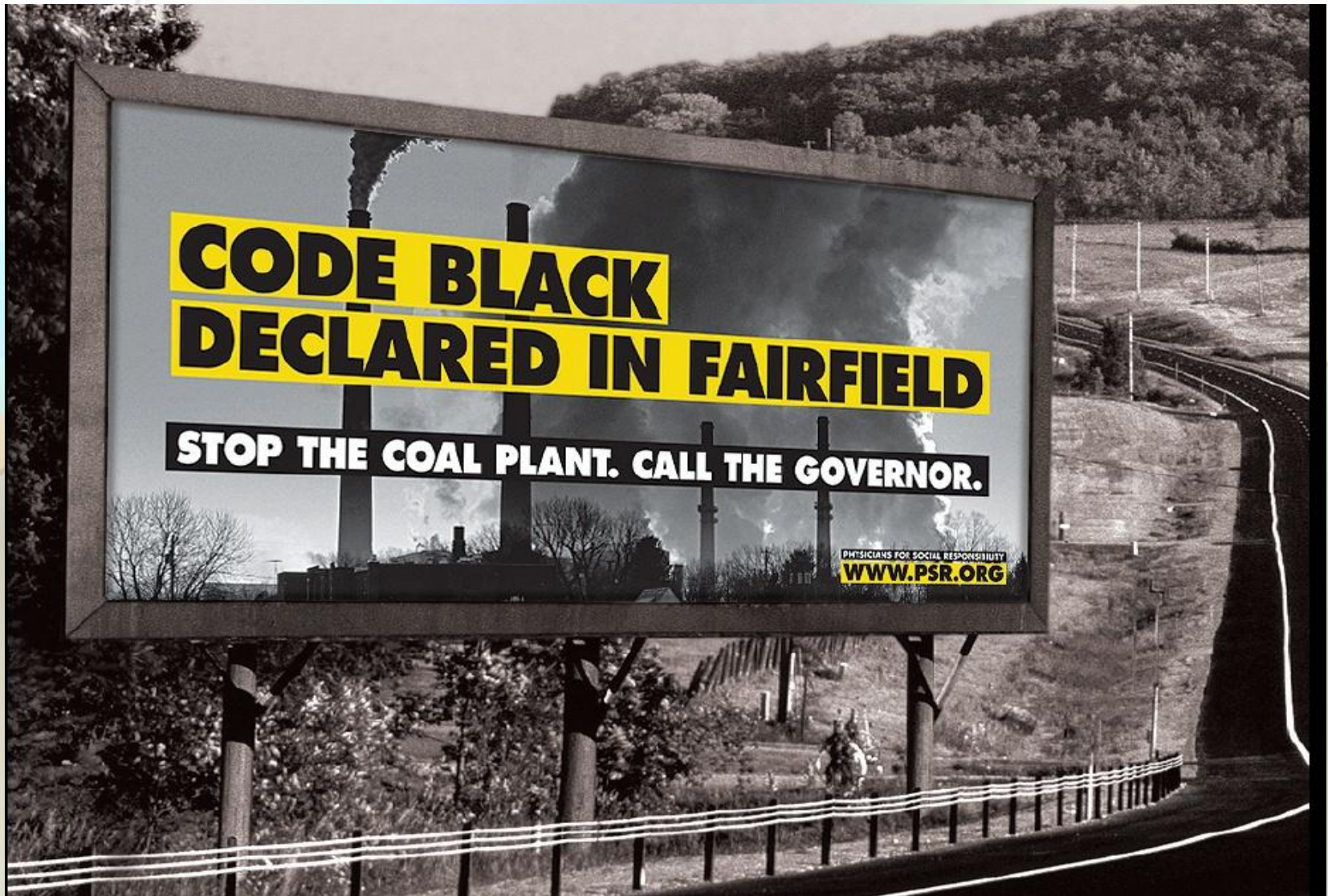


Image courtesy of EPA Office of Research and Development

Mountaintop Removal: Environmental Devastation

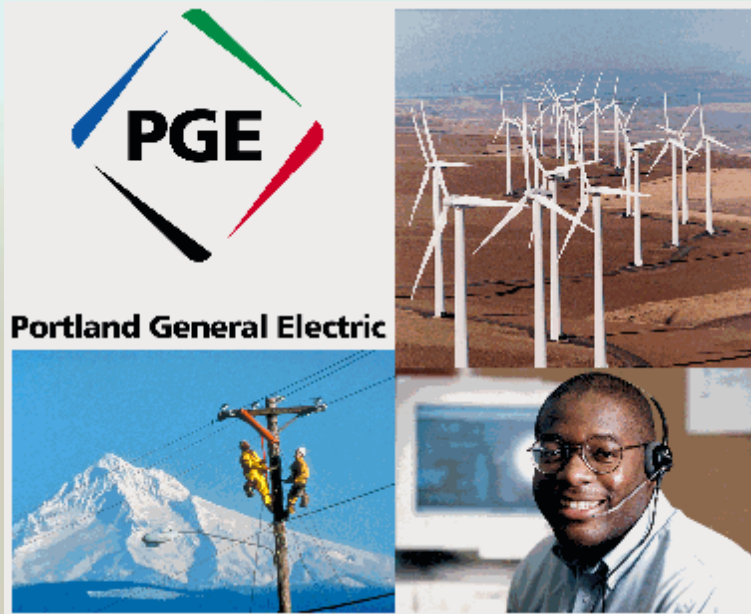


Code Black campaign at work



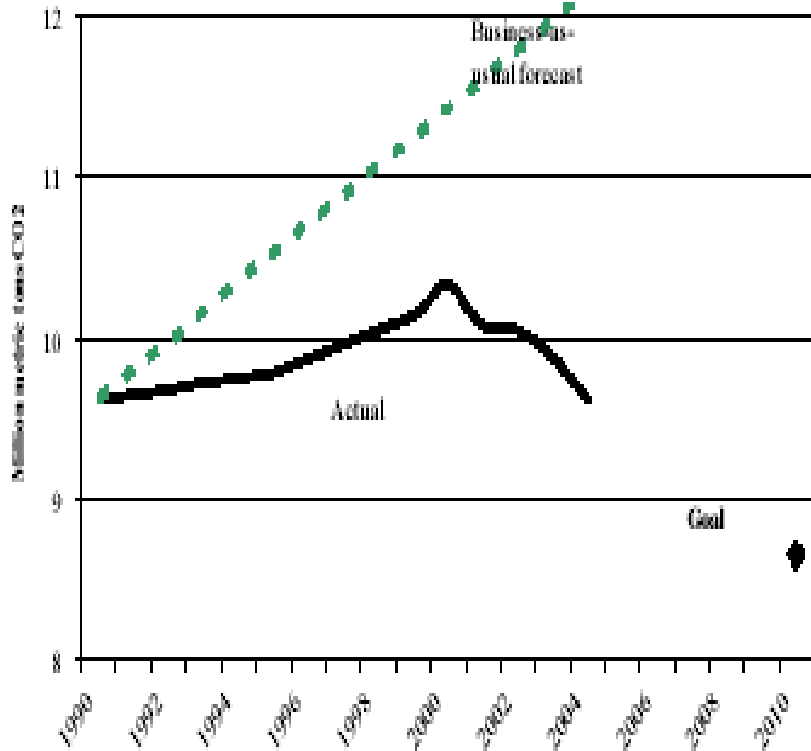
Stop New Coal through Demand

- Buy green energy for your home and office!
- Cities/Counties buy green energy
 - Seattle City Power and light-all green



Multnomah County CO2 Emissions

Figure 1. Multnomah County CO₂ Emissions



- 85% transit growth
- 4x increase in biking
- 60% Recycling rate
- 800 Home and 10,000 multifamily units weatherized
- Per capita gas use down 9%
- Household energy use down 7%
- Largest # of LEED buildings
- >10% clean energy purchase
- 750,000 trees planted

Energy Efficiency-Reduce Electricity Demand



Based on standard U.S. Government tests

ENERGYGUIDE

Refrigerator-Freezer
With Automatic Defrost
With Side-Mounted Freezer
With Through-the-Door-Ice Service

XYZ Corporation
Model ABC-W
Capacity: 23 Cubic Feet

Compare the Energy Use of this Refrigerator with Others Before You Buy.

This Model Uses
644kWh/year

Energy use (kWh/year) range of all similar models

Uses Least Energy	617	Uses Most Energy	698
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kWh/year (kilowatt-hours per year) is a measure of energy (electricity) use. Your utility company uses it to compute your bill. Only models with 22.5 or more cubic feet and the above features are used in this scale.

Refrigerators using more energy cost more to operate. This model's estimated yearly operating cost is:

\$53

Based on a 2001 U.S. Government national average cost of 8.294 per kWh for electric. actual operating cost will vary depending on your local utility rates and your use of the

Important: Removal of this identification consumer purchase voids the Federal Trade Commission's Appliance Labeling Rule (16 CFR 233)

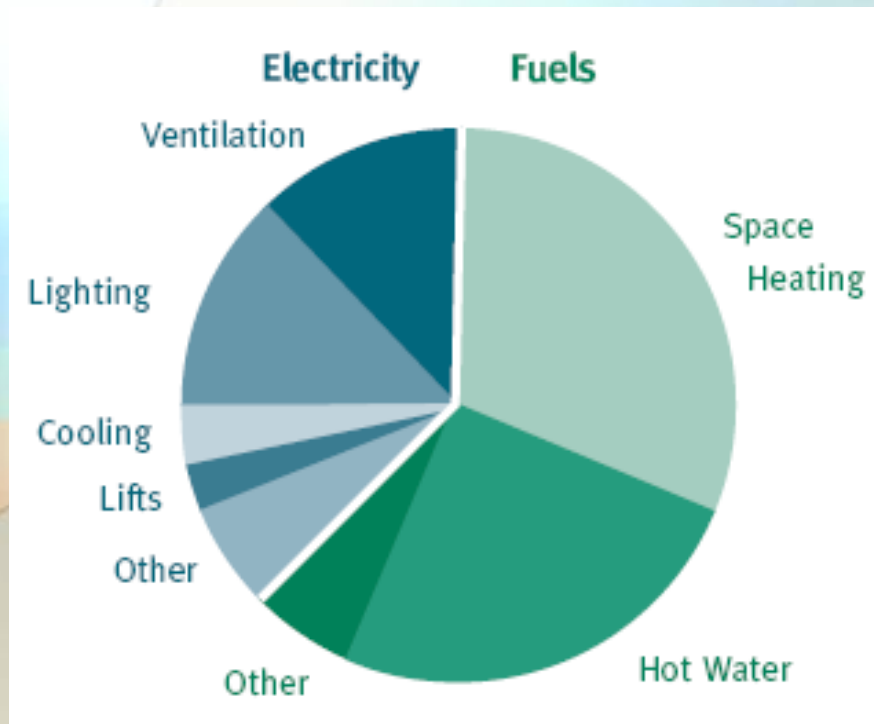


***“There’s no cheaper, cleaner power than power you don’t have to produce.”
- Gary Zarker, Seattle City Light***

The health care industry ranks second only to the food service industry in intensity of energy use



Improving Hospital Energy Performance



Hospital Energy Consumption by Major Applications



Source: Wissenschaftszentrum U, ed. *Greener Hospitals*.
Environment Science Center: Augsburg, Germany, 2004

Addressing Climate Change in the Health Care Setting

Opportunities for Action



Online at:
www.noharm.org/us



Boulder Community Foothills Hospital



architecture 2030

- Build all new buildings to use 50% less energy
- Increase efficiency by 10% each 5 years
- Net CO2 zero by 2030
- Roughly 3% are new or reconditioned each year and 1% torn down



Mount Airy, NC library

Proposed Legislation: Oregon SB 79

- **Create energy performance certificates for buildings so that businesses and consumers can easily determine how efficiently they are using energy.**
- **Establish the goal of zero net emissions from new buildings by 2030.**

California Clean Air regulations

- **Pacificorps withdrew from Intermountain Power Project Unit 3 (Utah) as the law stipulated that power coming into California must be produced at plants that meet California clean air standards.**
- **PacifiCorp announced that coal plants are “no longer viable options” and has removed coal-plant construction from its strategic plans for the next 10 years.**



Renewable Energy Options

WIND



SOLAR



**WAVES
and
TIDES**



GEO THERMAL



1997-Oregon Standard Law

- **First law in US aimed at reducing GHG**
- **New power plants have to meet 17% lower CO2 emissions than is standard to site the plant**
- **5 years of “excess” CO2 emissions above the standard are offset at time plant construction at \$1.27 per ton of CO2**
- **\$4.9 million invested since inception**



THE CLIMATE TRUST

Your path to a stable climate



SB 80-Establishing the Cap

- **SB 80 - Establishes Oregon's commitment to decrease current greenhouse gas emissions by setting a firm cap on global warming pollution and stepping down that cap gradually, year by year, to allow industry and communities to adjust and prosper to a clean energy economy.**

Nuclear Power: Dirty, Dangerous, Expensive



Stop subsidies for
new nuclear power;

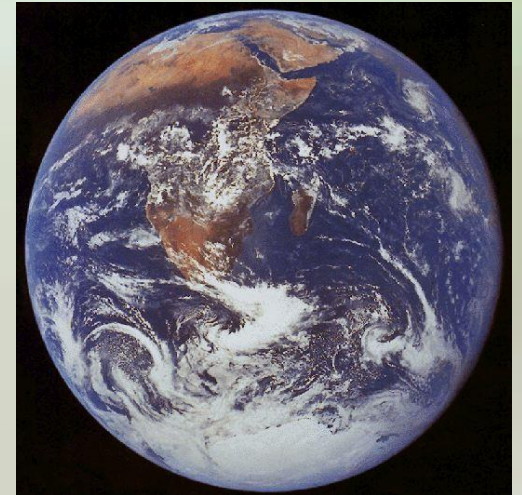
\$50 billion in loan
guarantees in
Senate Economic
Stimulus package

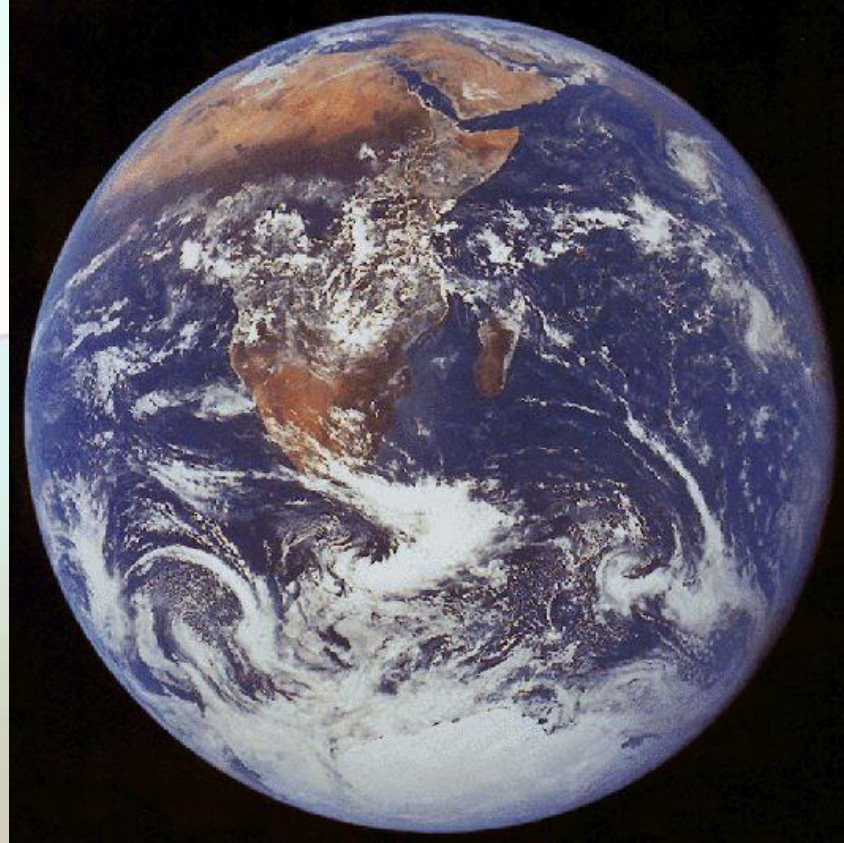
What PSR is Doing: “Code Black”

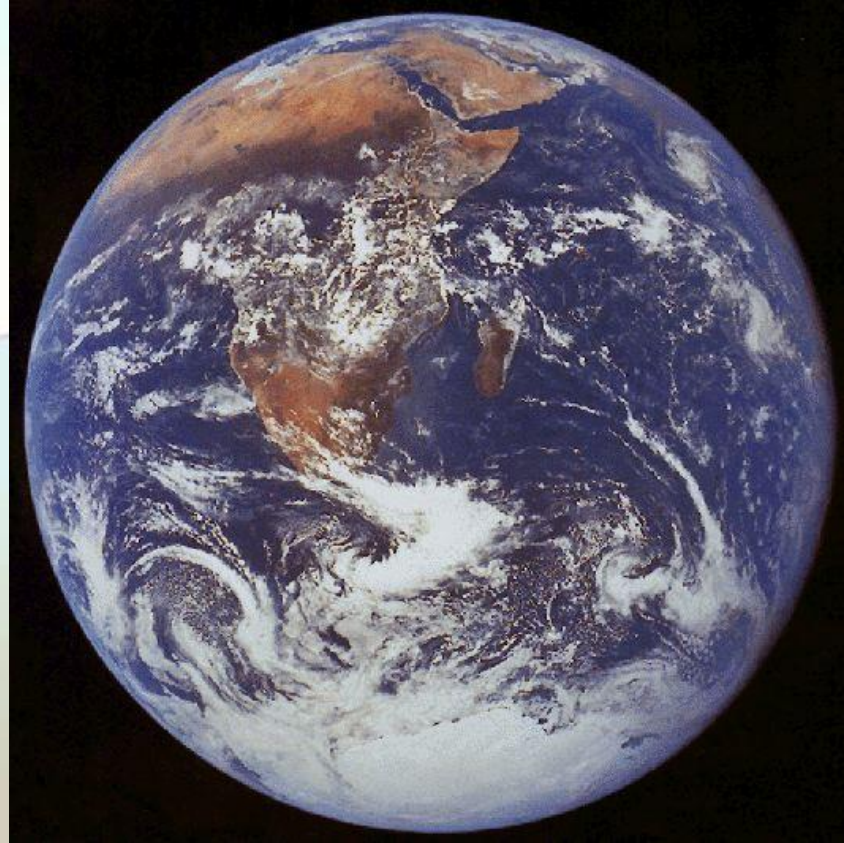
- ✓ Educate health professionals about the health consequences of coal-fired power plants.
- ✓ Link health professionals with local coal opposition activities in key states and communities .
- ✓ Mobilize health professionals to deliver the health message, as part of a national campaign to prevent the construction of new coal fired power plants.

Where does PSR fit in?

- **Member of Healthy Climate Partnership**
- **Sign up for Medical Alliance to Stop Global Warming with Student PSR and AMSA**
- **Join our Journal Club on Global Warming and toxins**
- **Become a speaker**
- **Join PSR: www.OregonPSR.org**
- **www.wpsr.org (Washington)**







Thank You!

PSR[®]



**Physicians
for Social
Responsibility**

U.S. Affiliate of International Physicians for the Prevention of Nuclear War

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Washington, DC 20009

www.psr.org