Six Most Important Pollutants

- Particles (smoke and soot)
- Sulfur-dioxide (SO₂)
- Ozone (O₃)
- Lead (Pb)
- Nitrogen oxides (NO_x, i.e., NO and NO₂)
- Carbon monoxide (CO)

ource	Potential causes for concern
Oil	global climate change, air pollution by vehicles, acid rain, oil spills, oil rig accidents
Natural gas	global climate change, methane leakage from pipes, methane explosions, gas rig accidents
Coal	global climate change, acid rain, environmental spoliation by open-cast mining, land subsidence due to deep mining, spoli heaps, ground water pollution, mining accidents, health effects on miners
Nuclear power	radioactivity (routine release, risk of accident, waste disposal), misuse of fissile and other radioactive material by terrorists, proliferation of nuclear weapons, land pollution by mine tallings, health effects on uranium miners
Biomass	effect on landscape and biodiversity, ground water pollution due to fertilizers, use of scarce water, competition with food production
Hydroelectricity	displacement of populations, effect on rivers and ground water, dams (visual intrusion and risk of accident), seismic effects, downstream effects on agriculture, methane emissions from submerged biomass
Wind power	visual intrusion in sensitive landscapes, noise, bird strikes, interference with telecommunications
Tidal power	visual intrusion and destruction of wildlife habitat, reduced dispersal of effluents (these concerns apply mainly to tidal barrages, not tidal current turbines)
Geothermal	release of polluting gases (SO ₂ , H ₂ S, etc.), ground water pollution by chemicals including heavy metals, seismic effects
Solar energy	sequestration of large land areas (in the case of centralized plant), use of toxic materials in manufacture of some PV cells, visual intrusion in rural and urban environments



























