



## C-10 Envisions A Clean, Safe, Sustainable, Non-nuclear Energy Future

**Global warming is an immediate crisis that requires rapid deployment of green technologies with policies and incentives to do so. Nuclear power is not green and can not be deployed fast enough; besides even if the current administration's "nuclear renaissance" is not implemented and no new nuclear plants are built, we will continue to have our current 20% nuclear energy dependency until we find the political will to replace them with green ones. Unfortunately, most of the current fleet of existing nuclear plants are getting license extensions up to 2050.**

**Nuclear power is not green, renewable or sustainable energy. It is not clean or safe and the billions of tax dollars directed to the current administration's nuclear renaissance must be redirected to renewable and green technology development NOW. Our renewable green technologies are seven times more efficient per dollar than nuclear at reducing carbon emissions. We must find the political will, act wisely and make judicious choices NOW and here is why.**

**\* Nuclear power is derived from a highly toxic and radioactive fuel source which produces tons of high-level irradiated toxic waste as a by-product for which there exists neither adequate security nor a safe waste disposal method. After decades and billions in federal funding to design, approve and implement a radioactive waste system, our government has failed and none exists.**

**\*Nuclear fuel production cycle - mining, extraction, and refining relies on fossil fuel CO2 emissions to process, enrich, fabricate, and transfer nuclear fuel, thus emitting vast amounts of CO2 and adding to the problem of global warming.**

**\* Uranium enrichment plants are the largest contributors of CFC-114, a chemical coolant, that destroys the earth's o-zone layer.**

**\* Nuclear plants discharge large amounts of chemicals and radioactive isotopes into our water and into the air we breathe.**

**\* Nuclear power plants take in over a billion gallons each day of water from our oceans and rivers through their "once through" cooling systems adversely increasing water temperatures and thus killing fish and water mammals in this process. In drought conditions, nuclear plants must shut-down.**

**\* Nuclear power plants leak radioactive isotopes and chemicals in the soil and groundwater through unplanned and unmonitored leaks.**

**\* Nuclear power plants and their spent fuel pools are vulnerable to accidents or acts of terrorism.**

**\* Nuclear waste is lethal for over 300,000 years and we have no safe disposal anywhere in the world.**

**\* Regulatory oversight and security requirements are inadequate.**

**\* nuclear power is not economically viable. It has been propped up with federal subsidies( \*145 billion in tax dollars) and insurance exemptions since it's inception.**

**\*Nuclear power production poses a national security risk – all nuclear facilities are possible terrorist targets and increase our vulnerability to weapons proliferation.**