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Electrify all appliances in new buildings

All electric will better promote environmental justice: The demand for oil & natural gas caused the Kern County Board of Supervisors to permit new steam injection oil wells that further threaten the air & water quality in disadvantaged Kern County. In addition, research shows that children with asthma are particularly affected by indoor air pollution from gas stoves. Children living in areas with high levels of outdoor air pollution and lower-income, African American and Hispanic children with asthma are likely the most disproportionately burdened by indoor air pollution from gas stoves.

Integrated Science Assessment (ISA) For Oxides of Nitrogen " Health Criteria (Final Report, 2016). US Environmental Protection Agency, Washington, DC, EPA/600/R-15/068, 2016, p. lxxxvii, <https://cfpub.epa.gov/ncea/isa/recordisplay.cfm?deid=310879>.

Nadia N Hansel et al., "A Longitudinal Study of Indoor Nitrogen Dioxide Levels and Respiratory Symptoms in Inner-City Children with Asthma," Environmental Health Perspectives Volume 116 Number 10, October 2008, p. 1430, <https://ehp.niehs.nih.gov/doi/10.1289/ehp.11349>.

Workers get dirty jobs in the oil industry where they could get contaminated from the radioactive scale in the pipes that carry oil & gas. Pipes were found coated with highly radioactive cesium. The cleaning solvents are also dangerous. Radioactive mud could threaten families living near the dumps.

Methane emissions and emission of hydrogen sulfide (linked to nosebleeds) are inevitable in the oil infrastructure. The oil industry would not have funds to plug the leaks. In Lamont 3 miles from the oil industry, someone claimed there was the smell of hydrogen sulfide. I smelled it too when I was 2 miles downwind from the Kern Refinery. When oil wells near Culver City leaked the emergency room was crowded with asthma patients.

In places, water+chemicals+ oil came to the surface and killed a manager near the Midway Sunset Oilfield and polluted a stream bed. Oil in CA has a history of being radioactive and leaving highly radioactive scale in pipes that is harmful to pipe-fitters.

Methane & hydrofluorocarbons contribute to climate disruption in CA. The CV Water Resources Board predicted drought and toxic algal blooms due to higher temperatures and less Sierra Nevada ice. Water shortages were predicted to prevent the planting of 1/5 of the agricultural land in CA. Fracking wastewater often contains too much salt and dissolves radium from the sediment, for example when it leaked from wastewater ponds in the Lost Hills/ S. Belridge Oilfield and contaminated test wells in the Tulare Aquifer with radium (See the studies of Dr. Peter McMahon) that makes it phytotoxic. The injection of oil wastewater would increase the risk of earthquakes as in Coalinga.

Steam injection oil drilling expends millions of gallons of water per well, never to be returned to the aquifer and could leave more communities without water.

In conclusion, "90.3% of all original research studies published from 2016 - 2018 on the health impacts of fracking found a positive association with harm or potential harm" (<https://concernedhealthny.org/compendium>).

All electric is cheaper to build than gas & electric.