

Timeline

1990- Clean air act amendments strengthen rules on SO_x and NO_x emissions from electric power plants helping reduce acid rain ¹

1991 - American Lung Association sues EPA to force review of ozone air quality standard. The standards establish the official “safe” level of an outdoor air pollutant. By law, the standards were to be reviewed every five years to keep up with the growing research. By 1991, the standards had not been reviewed since 1979. ³

1992- the American Lung Association sues EPA to force review of the sulfur dioxide standard ³

1993 - American Lung Association files lawsuits seeking to force air quality standards for ozone and particulate matter air pollution. ³

1994 - EPA agrees to review the decision not to revise the ozone standard ⁵

1994 - American Lung Association files a lawsuit to compel EP to speed up review of the ozone standard ³

1997 - EPA strengthens the standards for ozone and for particulate matter air pollution ⁵

1999- the EPA requires all private passenger vehicles - including sport- utility vehicles and diesel -powered vehicles - to meet the same tough clean air standards. ⁵

2000- EPA passes new rule for highway diesel fuel that reduces sulfur levels in diesel fuel by 97 percent, capping levels 15 parts per million by 2007 . new heavy duty diesel trucks and buses were required to be much cleaner beginning in model year 2007. The Lung Association fought successfully for this step. The lung association publishes the first state of the air report to provide easier to understand information for the public on the air in their community.⁵

2001- Supreme court upheld that the air pollution standards had to be based solely on protecting public health and it unanimously rejected polluter challenges to the 1997 standards for particulate matter.¹

2002 - American Lung Association begins legal actions against EPA for failing to review national air quality standards for ozone and particulate matter as required and to tell the states which counties had to clean up pollution to meet the national air standards that had been adopted in 1997.³

2003 - Bush administration "clear skies" legislation to Congress amending the clean air act targets would be set for emissions of sulfur dioxide, mercury and nitrogen oxides from U.S. power plants

- Senate rolls back new source review attempt¹

2004 - EPA announced the list of counties which failed to meet the 1997 standards for ozone and particle pollution. EPA also announced guidance for states to implement the ozone standards, including provisions that would have weakened protections required under the clean air act. American Lung association sued EPA over their ozone implementation guidance along with environmental groups and states.⁵

2004 September 9th - Air pollution damages the lungs of Southern California children¹

2004 - EPA issued a rule requiring the clean up of heavy equipment and engines including tractors, bulldozers, and electric generators. This will reduce diesel emissions by over 90 percent and reduce sulfur levels by 99 percent starting in 2007.⁵

2005- US district court of appeals ruled in EPA's favor for much of the first of the two lawsuits over changes to the New source review provisions of the clean air act though it ruled for the Lung Association in a critical definition of what triggered application of the provisions.⁵

2005 - American Lung Association and environmental defense sued EPA to require federal implementation plans if states failed to develop air pollution control plans that curtailed pollution transported from one state to another. ³

2009 September 30th

- New clean air act regulations to reduce greenhouse gas emissions ⁶

⁷2011 June 13 - one of the largest electric utilities. Forced to close two dozen coal fired power plants and lay off hundreds of workers ⁷

2012 August 21 - rule blocked a panel of Federal judges invalidates the EPA's rule targeting soot and Smog Forming air pollution that crossed state lines. Reducing limits on coal fired power plant pollution in one state. ³

2013 - Northern China from unrestricted use of coal caused 500 million residents to lose more than 2.5 billion light years of life expectancy or an average of five years each ³

2015 - Obama announcing plans to fight climate change, puts limits on emissions from oil to coal plants, lower cost and greater availability

- Clean power plan will not give nuclear power the favorable economic treatment
- Air pollution killed 35,000 over the past nine years
- Coal is cutting the average person's life ¹

2015 - good air team is formed educating about global air pollution. ⁷

2016 June 27th - early deaths will continue to rise if current policies are allowed ⁷

2017 March 28th - Donald Trump signs an executive order pushing back air pollutants and greenhouse gas regulations ⁵

April 27th - wins a court battle halting a challenge by states and industry groups to an Obama administration rules aimed at reducing toxic emissions from power stations ⁵

October 2nd - Maryland and other states sued the US EPA over it's lack of enforcement ⁵

2017 summer - California wildfires create panic for people and pets to be protected from wildfire smoke. Kirby recognizes a need for a dog pollution mask ²

2018 winter- Kirby and Evan meet to talk about designing a pollution mask specifically for dogs ²

2018 spring- Evan created the first working paper mock up of the k9 mask. ²

2018 summer - fires burning in Oregon, California, Washington, and Montana increase demand for a dog pollution mask solution ²

2018 fall - deadly fires in California break everyone's heart. Pet owners are desperate for an air filter for their dogs. K9 mask design prototypes and testing continue²

2019 winter- k9 mask completes design and testing of the k9 mask and prepares for supply chain management, custom sewing contractors, and distribution channels ²

2019 - using the crowd sourcing platform kickstarter we are raising funds to put the k9 mask into production for delivery and distribution in may 2019.²

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2021- Fireplaces and wood stoves are banned in the US. *Wood stoves and fireplaces gives off a black smoke, along with the black smoke, wood stoves are very high maintenance, if not taken care of properly it will become more toxic and you'll get sick faster.* ⁴

2025 - Everyone with a house/apartment gets solar panels for 200 dollars per panel. *Solar panels help with less electricity fires and helps with saving energy. You will not only have to not pay an electrical bill each month but you will be able to have power from the sun. there will be less electrical fires which will give off less toxins of melting wire and plastic.*⁴

2030- professionals are paid to come and collect/rake everyones leaves and trash in their yard so no one can burn them. *Burning leaves and trash from cookouts and parties, leaves gives off a black smoke because of the trees moisture and a syrup like cover. Trash as in styrofoam plates and cups also give off a terrible smoke which comes from the outer coating. The smoke then turns the air toxic and warmer which makes nature work harder to keep the temperature where it should be.*⁴

2035 - the President has signed a new law of every gas station must have at least three electrical power outlets for cars. *This is helping everyone in smaller cities who maybe don't have anywhere to get a supercharge on the go. Many places who don't have a tesla car shop have these. This will also help with getting people to quit using gas, it's more efficient.*⁶

2040 - a new car piece came out where you can immediately get rid of your gas cans in your cars and make it electrical, without getting a new car. *This is going to help people from dreading getting a new car because they didn't pay it off yet. They can get a new piece for where their gas goes. It will take a couple days in the shop but once it's done it will be so much easier for every human and more convenient when it comes to money.*⁶

2045 - an electrical lawn mower has hit the markets along with many others. *Another way to get rid of gas is to get an electric lawn mower and it is done, a*

new lawn mower that doesn't need gas. It will be so much cheaper never having to get gas. Fossil fuels are terrible for the environment, they make everything darker with all the smoke that they create. ⁴

2050 - smoking is banned in the inner cities of bigger states. *Smoking cigarettes, cigars, e-cigarettes etc. they are all bad for the smoker themselves and also the people around them. Some cities have taken the first step in completely banning all types of smoking from cities. They are trying to get the cities back to having their full color and full potential.* ⁴

2055 - 5,000 trees have been planted all across America. *Trees are a very important part of the environment, they give us oxygen to breathe and they make everything so beautiful. Without trees we wouldn't have animals and insects, by planting trees, we would be giving many animals that could be getting closer to extinction homes.* ⁴

2060 - many stores have started having their own farm in the back so they will stop using trucks to carry produce from state to state. *When they bring produce to different states those foods on the truck are processed. Not only is processed food not particularly good for us but the trucks that are bringing the food gives off a black smoke which is very disturbing. The smoke comes from the soot and smog inside the trucks pipes from driving the smoke then goes around and kills almost everything it touches.* ⁶

Sources

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