

Pinal County Travel Reduction

Clean Air Blue Skies

Pull Aside Stay Alive

Warning Information for Monsoon Season



Armed with Doppler radars, powerful supercomputers, advanced weather satellites, automated weather and stream gauges, and an advanced lightning detection network, forecasters at the National Weather Service are able to provide highly accurate severe weather warnings.

Advanced National Weather Service computer systems now allow warnings to be generated in seconds for highly detailed areas. Those warnings are then transmitted to the public, the media and emergency management officials via NOAA Weather Radio, The Emergency Alert System, and the Internet.

Television meteorologists play critical roles in the warning process. They relay National Weather Service warnings to the public and provide additional details about the storms, what they are doing and where they are going.

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Weather Terminology

Watches mean that widespread severe weather is possible.

A watch means that severe weather has not occurred yet, but weather conditions are becoming highly volatile. Pay close attention to the weather, and tune into TV, radio, or NOAA Weather Radio broadcasts frequently.

Warnings (Severe Thunderstorm, Flash Flood, Dust Storm, or in rare cases, Tornado) mean that life-threatening weather is about to occur, or has been reported. Take action immediately.

Flood Advisories mean heavy rains will cause minor flooding of washes, streams, and typical flood-prone areas. Flooding in this situation is usually not serious. If the flooding does become life threatening, then the flood advisory is upgraded to a ***Flash Flood Warning***.

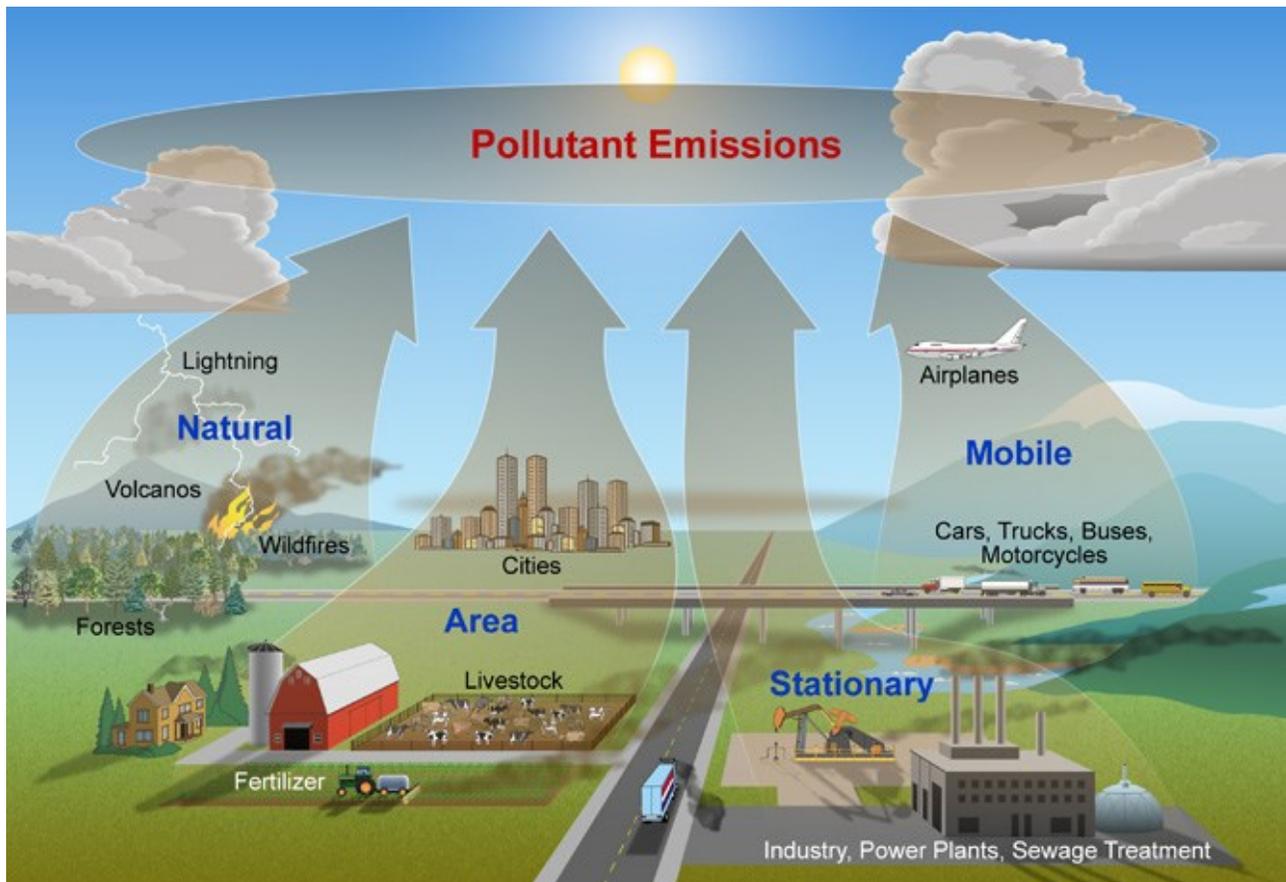


UK's first "poo bus" went into regular service

Britain's first "poo bus", which runs on human and household waste, went into regular service in March 2015.

Powered by biomethane gas, the Bio-Bus uses fecal matter and food waste that is generated from more than 32,000 households along its 15-mile route. Microorganisms break down the waste that's gathered at the Sewage Treatment plant and produces 600 million cubic feet of biomethane a year.

The bus, which can seat up to 40 people, was unveiled last fall. The bus itself can travel 186 miles on a full tank of gas. The end result is a vehicle that produces less emissions than traditional diesel-powered buses.



Air pollution carries significant risks for human health and the environment. Through clean vehicle and fuel technologies, we can significantly reduce air pollution from our cars and trucks.

Major pollutants from motor vehicles:

- **Particulate Matter (PM)** - These particles of soot and metals give smog its murky color. Fine particles — less than one-tenth the diameter of a human hair — pose the most serious threat to human health, as they can penetrate deep into the lungs. Diesel exhaust is a major contributor to PM pollution.
- **Hydrocarbons (HC)** - These pollutants react with nitrogen oxides in the presence of sunlight to form ground level ozone, a primary ingredient in smog. Ground level ozone irritates the respiratory system, causing coughing, choking, and reduced lung capacity.
- **Nitrogen oxides (NO_x)** - These pollutants cause lung irritation and weaken the body's defenses against respiratory infections such as pneumonia and influenza. In addition, they assist in the formation of ground level ozone and particulate matter.
- **Carbon monoxide (CO)** - This odorless, colorless, and poisonous gas is formed by the combustion of fossil fuels such as gasoline and is emitted primarily from cars and trucks. When inhaled, CO blocks oxygen from the brain, heart, and other vital organs. Fetuses, newborn children, and people with chronic illnesses are especially susceptible to the effects of CO.

Alternative Transportation

What It is

Alternative transportation refers to commuting in any way other than driving alone. Examples include biking, walking, carpooling, and taking public transportation.

Why It Matters

Public transportation can be less stressful than driving in congested city traffic, and contributes to clean air. Employees who use mass transit as an alternative to driving alone tend to walk more each day. Healthy employees are more productive.

Carpooling can reduce traffic, air pollution, and other negative side effects of solo automobile travel. Carpooling and ridesharing reduce fuel costs and can lead to community building and social networking.

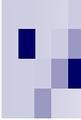


Alternative Transportation

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TRANSPORTATION
 THUNDERSTORM
 ALTERNATIVE
 RESPIRATORY
 FLASH
 FLOOD
 ADVISORIES
 BIOMETHANE
 EMISSIONS
 BLUE
 SKIES
 EMERGENCY
 POLLUTANT
 GASOLINE
 CLEAN

AIR
 WARNINGS
 WATCHES
 SUNLIGHT
 MONSOON
 WEATHER
 CARPOOL
 OZONE
 EXHAUST
 WALK
 DUST
 WASTE
 BIKE



Clean Air Blue Skies

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Wide open opportunity

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