

UNDERSTANDING MOBILE SOURCE AIR TOXICS IN ENVIRONMENTAL JUSTICE COMMUNITIES



The Sac Metro Air District (District) received a grant from the U.S. Environmental Protection Agency (USEPA) to conduct a study to better understand air pollution from mobile sources (cars, trucks, etc.) in two Sacramento Environmental Justice Communities.

This grant was awarded to enhance air monitoring at three existing air monitoring sites in the South Sacramento-Florin community and install a new air monitoring site in North Sacramento. This project will help gather more detailed data to understand the air pollution health risks in these communities. This information will help the District find ways to reduce the air pollution from these sources in our most needed communities.

WHAT TYPE OF POLLUTION IS THIS PROJECT MEASURING?

Air toxics, also known as hazardous air pollutants, are a type of pollution that comes from cars, trucks and other sources. Air toxics are linked to cancer and other serious illnesses.

WHAT QUESTIONS WILL THIS PROJECT HELP ANSWER?

- What are the levels of air toxics pollution from cars, trucks, etc. in the North Sacramento and the South Sacramento-Florin communities?
- What are the health risks associated with the measured air toxics pollution within the communities?
- Do some communities have higher levels of air toxics pollution than others?



LOW-COST SENSORS

Low-cost sensors can provide quick air pollution information in real-time.



ENHANCED MONITORING

Enhanced monitoring sites collect detailed air pollution information such as toxics.

SACRAMENTO METROPOLITAN



WHY WERE THESE NEIGHBORHOODS CHOSEN?

According to a recent District analysis, both the North Sacramento and South Sacramento-Florin communities are exposed to heavy pollution from cars, trucks and traffic from nearby highways and major roads.

The **NORTH SACRAMENTO COMMUNITY** has been identified as an area that is more impacted by air pollution than other areas in Sacramento. This general area has historically been socioeconomically disadvantaged. During the study, one new air monitoring site will be installed to get local air quality data and understand how pollution affects people's health in the community.

The **SOUTH SACRAMENTO-FLORIN COMMUNITY** has a high risk of cancer from air pollution and is heavily exposed to truck and traffic pollution compared to other areas of Sacramento. The South Sacramento-Florin community is currently participating in the Community Air Protection program (AB 617) and is working to understand where pollution in their community comes from and how it impacts their health. This grant will help upgrade three monitoring sites already in the area to get more detailed air toxics data.

