

# STELLANTIS4DETROIT

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For more content, visit  
[Stellantis4Detroit.com](https://Stellantis4Detroit.com)



**STELLANTIS PROVIDES  
STUDENTS WITH FREE  
BACKPACKS, SUPPLIES**  
SEE INSIDE FOR MORE.



# ELECTRIFICATION 101

As the global auto industry moves toward electrification, Stellantis is positioning itself to be in the driver's seat with an exciting strategy to deliver class-leading vehicles that offer advanced technology at affordable prices across our iconic brands.

To help our neighbors and customers better understand this shift, we'll be reviewing some of the basics of electrification in upcoming editions of this newsletter.

To kick things off, here's a breakdown of some of the new terms we're using around vehicle electrification:

- **Electrified Vehicle (EV)** – A vehicle with electric propulsion that drives using electric power on its own or in conjunction with other fuels.
- **Battery-Electric Vehicle (BEV)** – A vehicle powered by an electric motor that does not have a gas engine. Under all conditions, it drives using electricity.
- **Plug-in Hybrid Electric Vehicle (PHEV)** – A vehicle that features an Internal Combustion Engine and electric motor, but has a battery with higher storage capacity. This combination provides better All-Electric Range than traditional hybrids. The Jeep® Grand Cherokee 4xe, built at Mack Assembly, is a PHEV.

For more on Stellantis' electrification strategy, visit <https://www.stellantis.com/en/technology/electrification>

## STELLANTIS VOLUNTEERS DISTRIBUTE BACKPACKS AT SOUTHEASTERN HIGH SCHOOL

Stellantis' commitment to supporting the communities in which we operate was on full display Sept. 7, as company volunteers gathered at Southeastern High School in Detroit to hand out more than 700 Jeep® branded backpacks filled with school supplies to students.

The backpacks were stuffed by Stellantis volunteers, including some from the nearby Mack and Jefferson plants that make up the Detroit Assembly Complex.

The event also included free food and refreshments for students and their families, as well as games, a DJ, a photo stand, ice cream cart and display booths from local community partners.

Volunteers from community organizations, including the Friends of Parkside and Destined for Greatness, joined Stellantis volunteers in handing out the backpacks, preparing food and entertaining students and other guests.

"We want to thank Stellantis so much for their time and for volunteering. We really, really appreciate it," said Southeastern principal Maurice El-Amin.





# Q2 AIR QUALITY UPDATE

The most recent Stellantis quarterly air monitoring data from April thru June demonstrates that the air quality in the area continues to meet the standards for the analytes tested, including the National Ambient Air Quality Standard (NAAQS) for Particulate Matter smaller than 2.5 microns (PM 2.5) and Nitrogen Dioxide (NO<sub>2</sub>), according to the monitoring station on the Detroit Assembly Complex – Mack (DACM) property.

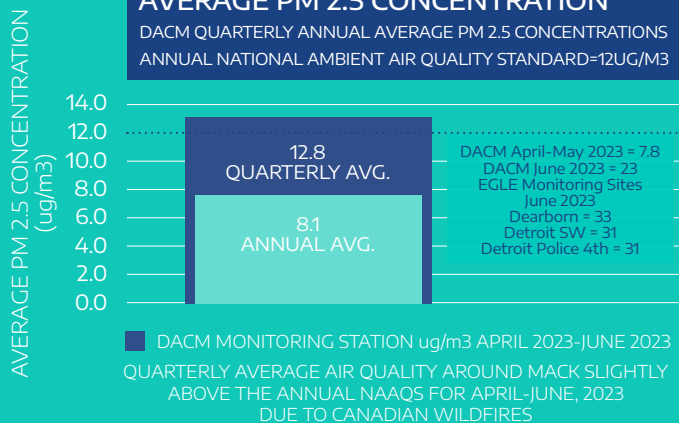
In June, due to the Canadian wildfires that prompted regional Air Quality Alerts across southeast Michigan, the monthly PM 2.5 average air quality in the metro Detroit area was above the annual NAAQS. PM 2.5 concentration levels at the DACM air monitoring station averaged 7.8 in April and May, and 23 in June. Other Michigan Department of Environment, Great Lakes, and Energy (EGLE) monitoring sites in the area for June were even higher, recording levels of 33 in Dearborn and 31 in Detroit Southwest and Detroit Police 4th Precinct.

Additionally, ambient air volatile organic compound (VOC) testing continues to show that no VOCs are present in the air at a concentration above, or even close to, their respective Michigan Air Toxics Screening Levels.

## PARTICULATE MATTER (PM<sub>2.5</sub>)

### AVERAGE PM 2.5 CONCENTRATION

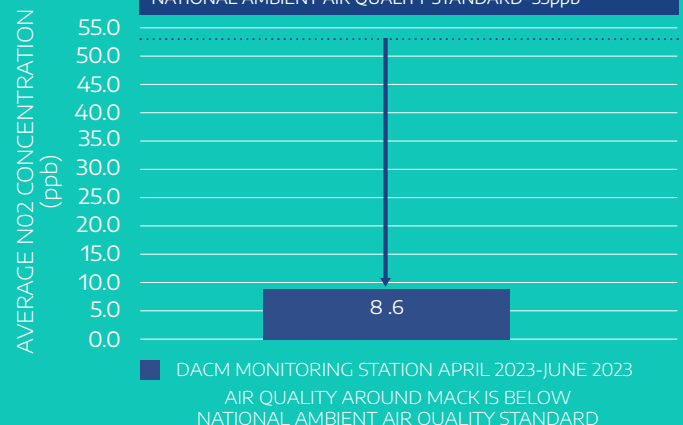
DACM QUARTERLY ANNUAL AVERAGE PM 2.5 CONCENTRATIONS  
ANNUAL NATIONAL AMBIENT AIR QUALITY STANDARD=12UG/M3



## NITROGEN DIOXIDE (NO<sub>2</sub>)

### AVERAGE NO<sub>2</sub> CONCENTRATION

NATIONAL AMBIENT AIR QUALITY STANDARD=53ppb



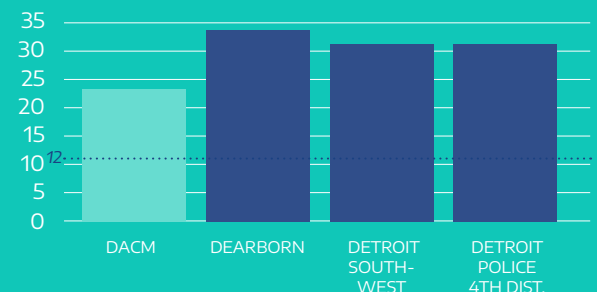
## VOLATILE ORGANIC COMPOUNDS (VOCs)

MAY - JUNE 2023  
CONCENTRATIONS: 24-HR AVG\*

CHEMICAL	CAS #	MAXIMUM CONCENTRATION	MICH. AIR TOXICS SCREENING LEVEL
		ug/m3	ug/m3
ACETONE	67-64-1	19.0	5000 (1)
BENZENE	71-43-2	0.96	30 (1)
CHOROMETHANE	74-87-3	1.16	90 (1)
DICHLORODIFLUOROMETHANE	75-71-8	2.3	330 (1)
N-HEXANE	110-54-3	1.13	700 (1)
METHYL ETHYL KETONE	78-93-3	1.12	5000 (3)
TOLUENE	108-88-3	2.64	5000 (3)
TRICHLOROFLUOROMETHANE	75-69-4	1.6	130 (1)
M/P XYLENE	95-47-3	1.48	390 (1)
TOTAL XYLENE	1330-20-7	<1.5	390 (1)

ANALYTES DETECTED AT THE DACM AMBIENT AIR MONITORING STATION: ALL WELL BELOW SCREENING LEVELS. ALL COMMONLY FOUND IN THE AMBIENT AIR.  
FOOTNOTES: APPLICABLE AVERAGING TIME (1) ANNUAL, (2) 8 HOUR, (3) 24 HOUR.

JUNE 2023 PM 2.5 UG/M3  
DUE TO EFFECTS OF CANADIAN WILDFIRES  
ANNUAL NATIONAL AMBIENT AIR  
QUALITY STANDARD = 12 UG/M3



# LOCAL STUDENTS THRIVE IN STELLANTIS MANUFACTURING INTERNSHIP PROGRAM

Nine recent Detroit Public Schools Community District graduates participated in the Stellantis manufacturing internship program this past summer. The students, including five Southeastern High School 2023 graduates, spent eight weeks at the Mack and Jefferson assembly plants in paid intern roles.

The students were able to gain in-depth, hands-on experience about automotive manufacturing at the Detroit Assembly Complex (DAC) and tour other Stellantis plants during the program, which is part of the company's ongoing commitment to the local schools, city of Detroit and residents to provide educational opportunities for area students.

During her final presentation to Stellantis executives and employees, Arianna Boston, a 2023 Southeastern graduate, described the internship as "very valuable and exciting."

"I enjoyed it because it got me out of my comfort zone," said Boston, who focused on information and communications technology during her internship. "I met some wonderful people. I built some good connections."

Devin Waugh, a Southeastern grad and current Grand Valley State University student, participated in the internship program for a third time. This summer, he worked in a safety role.

He said the visits to other plants and seeing all the different departments and jobs gave him a better understanding of everything needed to run a large manufacturing company like Stellantis.

"It's hard to run a car company," Waugh said.

He also enjoyed his experience with a career building class that included tips on resume writing, public speaking and networking that was part of the program.

"It was very intriguing. I enjoyed every single part of that," Waugh said.

Jefferson plant manager Sean Woodall said he was "very impressed" by the interns and their presentations.

"This is a great program," Woodall said. "I'm excited about being able to show young people what life in a manufacturing plant is all about, I'll look forward to seeing what the future holds for these students."



Stellantis DAC officials and employees pose with interns.