



Data Center Air Monitoring Project

Air Quality Impacts in Loudoun and Prince William Counties

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Data Center Air Monitoring Project

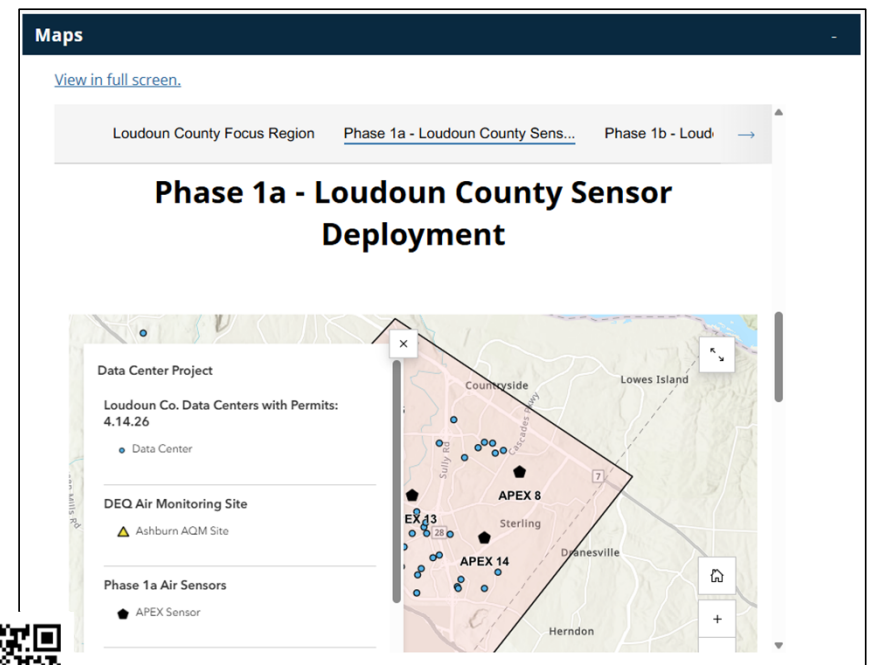
- The Data Center Air Monitoring Project began in February 2026
- The project is directed at determining possible air quality impacts in areas of concentrated Data Center operation and construction
- Currently the project is targeting Loudoun County and Prince William County.
- The structure of the project is to begin with a period of intensive air quality sensor installation and data collection.
- Following the sensor phase DEQ will follow up with air quality measurement using EPA approved monitoring equipment.



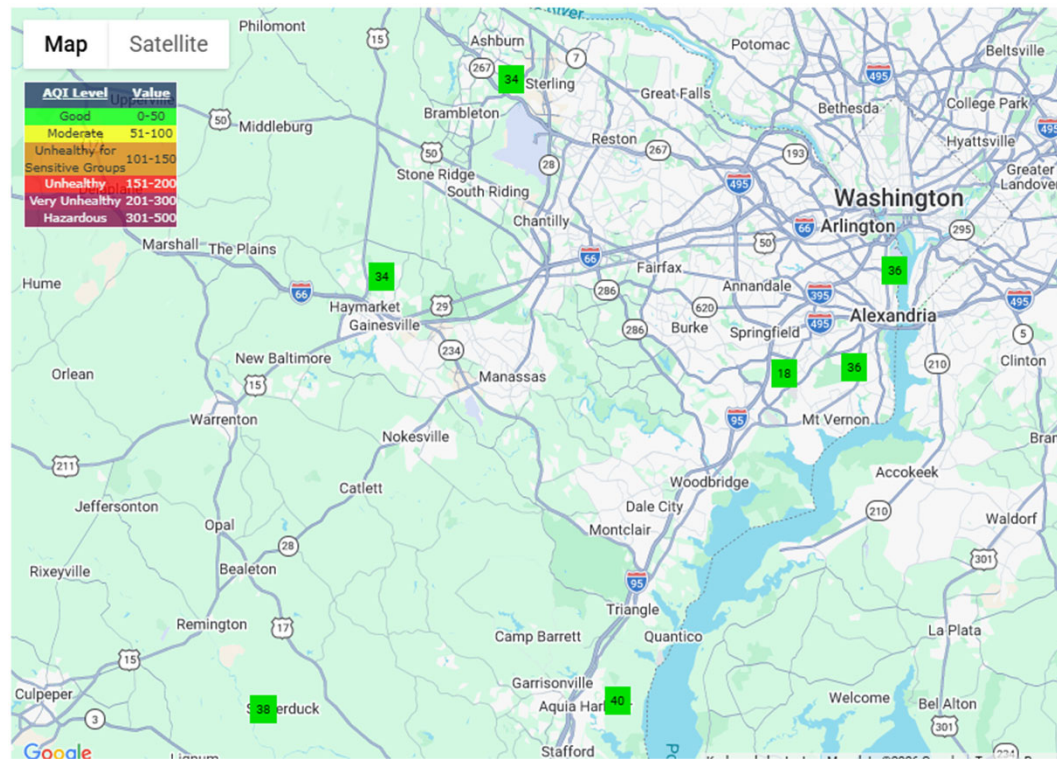
Data Center Air Monitoring Project Web Page

- Descriptive information for this project is available on the DEQ Web Site
- The current Data Center Project web page contains descriptive information and is updated weekly with the project data report
- DEQ is currently working with the sensor manufacturer on a dynamic web page to access the sensor information
- The web page can be accessed at the following link:

<https://www.deq.virginia.gov/news-info/shortcuts/topics-of-interest/data-center-air-monitoring-project>



Virginia DEQ NoVA Air Monitoring Network



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VA DEQ, AQCR VII NORTHERN VIRGINIA, July 1, 2026							
SITE I.D.	AQM SITE NAME	POLLUTANT MEASURED	METHOD OR INSTRUMENT (method code)	SAMPLING INTERVAL	LOCATION	LATITUDE	LONGITUDE
51-013-0020 (47-T)	Aurora Hills	O3(44201)	UV Absorption (047)	Continuous	Arlington - Aurora Hills	38.8577	-77.0592
		NO2, True (42602)	CAPS (212)	Continuous			
		CO (42101)	Nondispersive Infrared (054)	Continuous	Visitors Center		
		PM2.5 FRM* (88101)	Sequential (145)	1/3			
51-059-0030 (46-B9)	Franconia (Lee District Park)	O3(44201)	UV Absorption (047)	Continuous	Fairfax -	38.7734	-77.1047
		SO2 (42401)	Fluorescence (060)	Continuous	Lee District park		
		PM2.5 FEM* (88101)	Broadband Spectroscopy (638)	Continuous			
		PM10 FEM (81102)	Broadband Spectroscopy (639)	Continuous			
		PM2.5 FEM* (88101)	Broadband Spectroscopy (638)	Continuous			
51-107-1005 (38-I)	Ashburn	O3(44201)	UV Absorption (047)	Continuous	Loudoun Co. - Broad Run High School	39.0247	-77.4893
		NO2, True (42602)	CAPS (212)	Continuous			
		PM2.5 FEM* (88101)	Broadband Spectroscopy (638)	Continuous			
		PM10 FEM (81102)	Broadband Spectroscopy (639)	Continuous			
51-153-0009 (45-L)	Long Park	O3(44201)	UV Absorption (047)	Continuous	Prince William Co. - Long Park	38.8529	-77.6346
		NO2, True (42602)	CAPS (212)	Continuous			
51-059-0031 (46-C2)	Backlick	NO2, True (42602)	CAPS (212)	Continuous	Fairfax County	38.7684	-77.1835
		CO (42101)	Nondispersive Infrared (054)	Continuous	Backlick Rd. Park and Ride		
		PM2.5 FEM* (88101)	Broadband Spectroscopy (636)	Continuous			

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Franconia District Park

QUESTIONS?



Backlick Road, Springfield

Broad Run, Ashburn

