

## Control of Air Pollution from New Motor Vehicles: Heavy-Duty Engine Standards

This document offers a high-level explanation of the impact that EPA27 will have on heavy-duty truck fleet owners by explaining the modifications it imposes onto manufacturers.

### NOx Emissions Reduction

The Environmental Protection Agency (EPA) will adopt stronger emissions standards effective January 1, 2027, that reduce nitrogen oxide (NOx) emissions from heavy-duty vehicles and engines. The current standard of 0.2 g/bhp-hr will be lowered by approximately 90 percent to 0.035 g/bhp-hr. The purpose of the new rule is to deliver significant public health benefits by improving air quality.

### Warranty

EPA27 extends the useful life of heavy-duty engines from 435,000 miles to 650,000 miles. Emissions related component warranties are lengthened to 450,000 miles from 100,000 miles on Class 8 trucks. The expected result is MY27 trucks should retain low emissions far beyond the first few years of service.

### Price Impact

Manufacturers' costs to design the required lower emission components and extend the warranties will add to the price of the trucks.

### 2026 Opportunities

One way to mitigate the increased cost of MY27 trucks is by pre-buying in 2026 to fill anticipated fleet needs. Contact your KWS sales representative for customized fleet planning services

### Conclusion

Planning for EPA27 changes now can ease the impact of the new regulation on your business next year. Updates are available on the KWS website.

