



## Health Professionals for a Healthy Climate




# Electric school buses: Better health, brighter futures



**The issue: Outdated diesel buses harm kids' health, the environment, and our wallets.**



**Diesel school buses emit harmful pollutants.**

-  **Diesel exhaust** contains nitrogen oxides, which **stunt the growth of children's lungs**.<sup>1,2</sup>
-  **Diesel exhaust** also contains harmful particulate matter, which **trigger asthma attacks and contribute to cardiovascular diseases**.<sup>3</sup>
-  **Diesel buses** can expose kids to exhaust amounts that are **"23 to 46 times the cancer risk level considered significant under federal law."** Bus operators are also at risk.<sup>4</sup> Idling diesel buses at pick-up zones increases the concentration of exhaust.<sup>5</sup>

**Clean, zero-emission electric school buses benefit our communities.**



Reducing exposure to diesel exhaust improves health and reduces asthma-related absences from school.<sup>6</sup>



Cleaner buses contribute to improvement in kids' aerobic capacity and test score gains.<sup>7</sup>



Replacing all the diesel-powered school buses in the U.S. could avoid an average of 5.3 million tons of CO2 emissions per year.<sup>8,9</sup>



Electric school buses save schools \$4,000-\$11,000 per year per bus in fuel and maintenance costs.<sup>10</sup>



**Electric school buses protect student health, boost academic performance, mitigate climate harms, and save money down the road.**

**We have an unprecedented opportunity to lead the way.**



**LEARN MORE**

Minnesota school districts can apply for federal (\$5 billion) and state (\$13 million) funds to purchase electric school buses that will save money, improve student health and academics and reduce climate pollution.

**You can help your school district make the switch! Scan to learn how!**





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## References

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- 5** Wargo et al, 2002, Children's Exposure to Diesel Exhaust on School Buses, Environment and Human Health, Inc, Retrieved on July 29, 2019 from <http://www.ehhi.org/reports/diesel/diesel.pdf>
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- 10** PA Region 5 Webinar: Electric School Buses - Stories from the Field 3.22.22