



**ENVIRONMENTAL LAW & POLICY CENTER**  
Protecting the Midwest's Environment and Natural Heritage

# **Electric School Bus Pilot Program Proposal**

## **Michigan Public Service Commission EV Pilot Discussion**

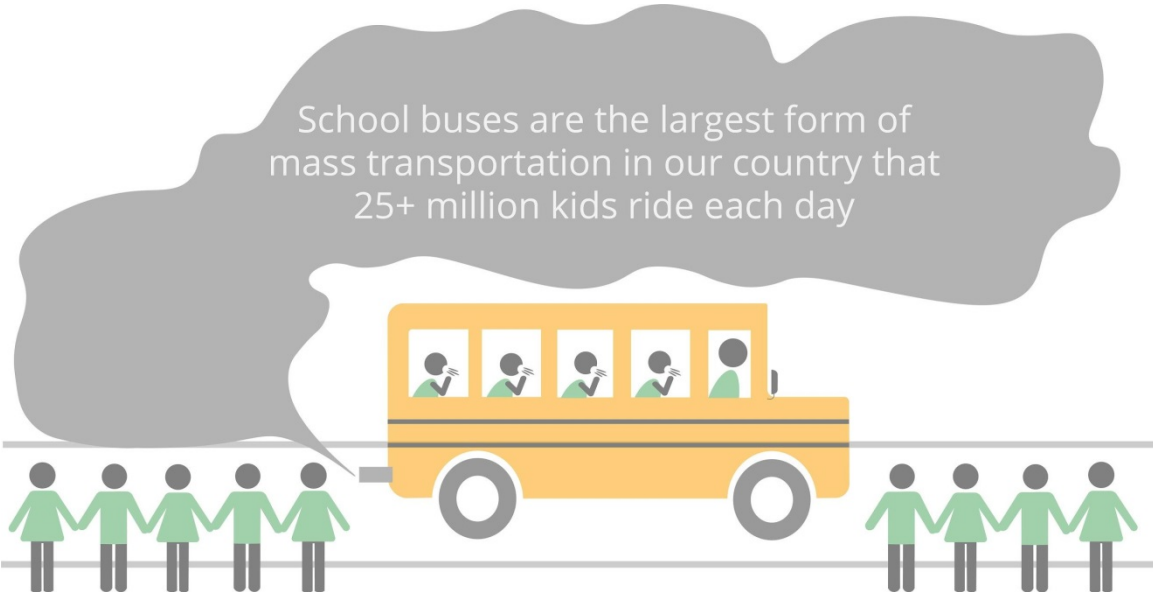
**February 20, 2018**





## Dirty Buses = Sick Kids

Children breathe **50%** more air per pound of body weight than adults and their lungs are still developing, making them especially vulnerable to cancer and respiratory diseases caused by diesel pollution. A child sitting in the back of a school bus with windows closed is exposed to **4x** more diesel pollution than a child riding in a car in front of the same bus. Asthma is the leading chronic illness among Michigan children.



School buses are the largest form of mass transportation in our country that 25+ million kids ride each day



could result in

14

million fewer absences from school a year



## Clean Buses = Grid Resource

Vehicle-to-Grid, Vehicle-to-Building, Demand Response & Renewables Integration pilots being explored in Arizona, California, Minnesota & New York





## Next Steps



- **\$1.8 million** to support an **8 bus pilot program**. This amount would cover:
  - $2/3^{\text{rds}}$  of the purchase price of the electric school buses with school districts contributing the remaining  $1/3^{\text{rd}}$
  - the cost of the associated Level 2 infrastructure
- A favorable night-time super off-peak rate for schools with electric school buses.