



## OUR CHILDREN DESERVE A HEALTHIER ENVIRONMENT

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### Every day at the schoolyard

It's a common practice: buses idling while sitting in front of schools, at a sporting event or on a field trip. It's done to keep drivers warm and engines ready to go. Unfortunately, it also creates the situation where children are breathing in potentially dangerous toxic fumes. And as we look for ways to be good world citizens and reduce our carbon footprint, idling just creates excess emissions contributing to the greenhouse effect.

Due to these concerns, many school districts and communities



are now looking for a solution to completely eliminate school bus idling. Even the EPA is working on an initiative. However, there are some that believe this will result in other problems, such as cold cabins or engines that won't start. But don't worry, we have the answer.

### A new solution to an old problem

At Idle Free Systems, we have developed a breakthrough engine-off heating system which eliminates idling without any negative consequences. Our patent-pending system will keep the driver warm and engine ready to go anytime. And, unlike particle filters that only reduce about 50% of the emissions from idling, the Idle Free School Bus Heat System completely eliminates the negative impact of an idling school bus.

The way it works is a special coolant heater maintains the temperature of the bus's coolant when the engine is off. An independent AGM battery is used to power the pump and fans on the bus to circulate the coolant through the bus's heater core and engine block. The AGM battery is charged by capturing energy from the bus's alternator when the engine is on. This energy is then used to power the Idle Free School Bus Heat System. Additionally a 7-day programmable timer is used to preheat the engine as needed to avoid any risk of a cold start.

With the Idle Free system, the driver can be comfortable and the engine kept warm all while the bus engine is off. The engine preheat is very important when the buses are used to take kids on field trips or to sporting events where the school bus can be sitting for hours at a time.

The Idle Free School Bus Heat System is also an emergency back-up heating system for the kids. If the bus breaks down on a cold winter day, the system can be used to supply emergency heat to the interior, keeping the children and driver warm until help arrives.

And it will save you money! Every minute the school bus is idling it is burning expensive fuel. Think about how many days an average school bus sits idling, and multiply that by every bus in a fleet—the savings potential becomes significant.

### Works on any bus

The Idle Free School Bus Heat System can be used on any bus, old or new. Every bus in your existing fleet can easily be retrofitted with the Idle Free system. All new buses can also easily be equipped. The installation is simple and easy, which means your maintenance team can install it right in your own shop. And if there are any questions before, during, or after installation, technical assistance is only a call or email away.

### Idle Free Systems

Idle Free Systems is a leading innovator and patent holder in idle elimination and energy storage technology for trucks and buses. By eliminating idling, we create a healthier environment while also saving you money on fuel and the wear and tear on the school bus engine. And all of our systems are compliant for the toughest state codes, including California. At Idle Free Systems, we're confident we offer the absolute best solution to eliminate idling in school buses—allow us to prove it to you.

Contact Idle Free today at (608) 237-6311 or [sales@idlefreesystems.com](mailto:sales@idlefreesystems.com) to learn how you can eliminate idling in your school buses and create a healthier environment for our children while saving money.

