

Clean Construction Desk Statement for Southeast Governors

Whereas: Clean construction practices are a viable part of the overall effort to improve air quality and increase energy independence in the State of _____.

Whereas: The State of _____ hereby strongly encourages the use of environmentally friendly practices in all state construction contracts.

Whereas: Implementing clean construction practices can help companies become good stewards of the environment while maintaining a competitive edge.

Whereas: Many clean construction strategies provide business benefits such as improving efficiency and lowering operating costs.

Whereas: Low-cost, environmentally-friendly construction practices include, but are not limited to Operational Strategies, Fleet Modernization, Fuel Strategies, and Actions to Minimize Environmental Impacts During Construction.

Therefore, the State of _____ will encourage and promote clean construction practices in state contracts and in all public and private construction activities throughout the state. Examples of these strategies are listed below.

Contractors demonstrating the integration of these and other environmentally sound practices in their construction practices and projects will be recognized by the State of _____ and the Southeast Diesel Collaborative for their leadership and environmental stewardship

Operational Strategies can help construction companies reduce fuel and maintenance costs, such as:

- Limiting unnecessary engine idling reduces fuel use and maintenance costs, reduces employee and public exposure to unhealthy diesel emissions and improves employee health and productivity.
- Implementing a systematic maintenance program can help companies avoid unnecessary or premature maintenance and help avoid the need for costly repairs caused by catastrophic failures.
- Building a company culture where operators take pride in the maintenance and upkeep of their equipment helps reduce unnecessary repair costs.
- Providing effective operator training increases productivity, provides for a safe work environment, reduces maintenance costs, and lowers fuel consumption, leading to significant improvements in profit and environmental performance.

Actions to **Modernize Equipment and Fleets** can help construction companies reduce their impact on the environment, such as:

- Repowering construction equipment with an engine that meets Tier I or II engine standards improves engine performance, reduces fuel consumption and extends the useful life of equipment.
- Installing aftertreatment exhaust devices, such as diesel oxidation catalysts and diesel particulate filters, reduces emissions of particulate matter (PM), hydrocarbons (HC) and carbon monoxide (CO).
- Rebuilding an old engine to meet a higher Tier standard can extend equipment life, improve fuel economy and lower maintenance costs.

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Fuel Strategies can help companies reduce diesel emissions, reduce employee and public exposure to unhealthy diesel emissions and improve employee health and productivity, including:

- Using ultra-low sulfur diesel, which reduces PM emissions, enables the use of advance emission-control devices in equipment and reduces engine wear, deposits and oil degradation.
- Using biodiesel which meets ASTM fuel quality standards reduces emissions of PM, HC, CO and air toxics, improves fuel lubricity, produces less smoke, and facilitates smoother and quieter engines.

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Companies and agencies can take additional actions to **Minimize Environmental Impacts During Construction**, which can affect employee health, public health and the environment, such as:

- Reducing truck trips, for example, by installing on-site trash compactors, reducing diesel emissions and saving fuel.
- Avoid open burning of construction debris to prevent harmful emissions of PM and nitrogen oxides (NOx) from woody debris, and emissions of toxic air pollutants from other types of construction debris.
- Performing routine watering to reduce construction road dust, which is a significant source of PM pollution.

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