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PowerAmerica Seeks Proposals In Wide-Bandgap Technologies

PowerAmerica, with a mission to accelerate the commercialization of wide-bandgap semiconductor power electronics, has issued a request for proposals focused on the development of advanced wide-bandgap power semiconductor technologies, power electronics assemblies, and packaging and manufacturing processes with the potential to improve performance and lower cost. Demonstration of wide-bandgap (WBG) manufacturing processes and/or devices in high volume, commercially viable, power electronic applications is also desired.

This request for proposals is focused on the development of advanced wide-bandgap power semiconductor technologies, power electronics assemblies, and packaging and manufacturing processes with the potential to improve performance and lower cost. Demonstration of wide-bandgap (WBG) manufacturing processes and/or devices in high volume, commercially viable, power electronic applications is also desired. Technology Readiness Levels should be in the TRL 4 through 6 range.

Submission deadline is *December 12, 2025*.

Funding is PowerAmerica \$9M in industrial projects plus \$9M in performer cost-match, \$3.2M in PowerAmerica University projects plus \$3.2M in performer cost-match, and \$900K in Member Initiated Projects plus \$450K in member cost-match—an anticipated total of \$26M in WBG projects to accelerate commercialization of SiC and GaN chips and power electronics.

Primary metrics used to evaluate the proposed projects include their potential to:

- Accelerate the adoption of WBG power electronics
- Lower the cost of WBG devices and power modules
- Demonstrate the system-level advantages of WBG technologies in power electronics applications
- Demonstrate the reliability of WBG systems
- Create a pathway to commercialization
- Impact U.S. manufacturing competitiveness
- Impact workforce development and education
- Production of U.S. technicians and engineers with expertise in WBG power electronics
- Address technological gaps linked to the needs defined in the PowerAmerica or other relevant DOE or industry roadmaps and identify additional knowledge gaps to be addressed
- Industry and national lab recipients may receive up to \$1M total, and university recipients may receive up to \$230K total.

The full Request for Proposals is [here](#).