

**PRESS RELEASE****For Immediate Release****COMPOSITE TECHNOLOGY AND WESTERN AREA POWER ADMINISTRATION  
ORGANIZE REMOTE MONITORING OF ACCC GRID APPLICATION***ACCC Transmission Line Evaluated With Accurate Real-Time Performance Data*

**Irvine, CA** – February 23, 2006 – Composite Technology Corporation (CTC) (OTC Bulletin Board: CPTC) confirms agreement with the US Department of Energy’s Western Area Power Administration (WAPA) to begin live monitoring and evaluation of an ACCC (Aluminum Conductor Composite Core) line installed in Western’s electrical grid system in Phoenix, Arizona. The ACCC line was installed last December and was a 230kv circuit replacement for a conventional steel core conductor.

The ACCC section comprises six spans of 1,045 feet, making a total of 6,269 feet (1.19 miles). The three phases of the circuit add up to a total of 3.6 miles of CTC’s ACCC/TW Drake 1020 kcmil conductor. Electronic remote monitoring equipment was installed and activated on February 22, 2006. Monitoring is transmitted at 10 minute intervals and provides a real time assessment of ACCC’s characteristics under various load conditions correlating line sag and conductor temperature against measurements of the ambient air temperature, wind speed and direction, solar radiation, and physical line tension.

WAPA, which owns and operates more than 17,000 circuit miles of transmission lines throughout the Western U.S., is evaluating ACCC before considering larger grid installations. Real time data from the ACCC section will be also be available to CTC. CTC anticipates that, in addition to further proving the performance characteristics of ACCC, the information will provide additional data for an upgraded version of CTC’s Power Line Analysis Tool (PLAT) a program designed to analyze the economic advantages of different conductors used by electrical utilities.

“The Department of Energy is mandated to find solutions to the problems facing the U.S. electrical grid system. We believe that following the completion of these tests by WAPA, part of the Department of Energy, ACCC can make a significant contribution to solving the problem of congestion on the grid,” said Benton Wilcoxon, CTC’s Chairman & CEO. “ACCC can be used to up-grade existing transmission lines without an increase in conductor size or weight, thus eliminating the necessity of major tower upgrades and greatly reducing the time necessary from decision to implementation. This possibility will also alleviate the need for new transmission corridors to deliver such additional capacity. Any elimination of the time taken over the planning and design cycles for increasing the size of a conductor on an existing line or new line construction saves significant resources; and we believe it is this that makes using ACCC the most economically viable solution to solving a primary U.S. transmission problem.”

**About WAPA**

Western Area Power Administration, which is part of the U.S. Department of Energy, annually markets and transmits more than 10,000 megawatts of power from hydroelectric powerplants owned and operated by the Bureau of Reclamation and the U.S. Army Corps of Engineers in 15 western and central states.

**About CTC**

Composite Technology Corporation, based in Irvine, California, develops, manufactures and sells novel products that introduce the advantages of high performance composite materials to create superior applications

for the generation, transmission and distribution of electrical power. The company's novel and proprietary Aluminum Composite Core Conductor (ACCC) is a cost effective solution for the introduction of reserve electrical transmission capacity into a saturated electrical grid, while reducing operating costs and in many cases capital costs. The elimination of significant sag at higher operating temperatures allows users of ACCC to reduce transmission bottlenecks, span large distances, reduce supporting structures and improve grid reliability. ACCC is superior to conventional conductors of the same diameter in many ways, including:

- \* Replaces existing steel core conductors and increases energy capacity up to 2 times
- \* Virtually eliminates sag caused by high load, high-temperature conditions
- \* Requires fewer structures along new Rights of Way, reducing construction costs and time
- \* Reduces line losses compared with same diameter conventional cables at same operating temperatures
- \* Eliminates any bi-metallic corrosion issues
- \* For further information visit our website at: <http://www.compositetechcorp.com>

For Investor Relations Contact: James Carswell, (760) 416-8628

For Media Relations Contact: Kevin C. Coates (949) 428-8500

This press release may contain forward-looking statements, as defined in the Securities Reform Act of 1995 (the "Reform Act"). The safe harbor for forward-looking statements provided to companies by the Reform Act does not apply to Composite Technology Corporation (Company). However, actual events or results may differ from the Company's expectations on a negative or positive basis and are subject to a number of known and unknown risks and uncertainties including, but not limited to, competition with larger companies, development of and demand for a new technology, risks associated with a startup company, risks associated with international transactions, general economic conditions, availability of funds for capital expenditure by customers, availability of timely financing, cash flow, timely delivery by suppliers, or the Company's ability to manage growth. Other risk factors attributable to the Company's business segment may affect the actual results achieved by the Company and are included in the Company's Annual Report filed with the Commissioner on Form 10K for fiscal year ended September 30, 2005.

###