

## SOLAR LIGHTING DEMONSTRATION PROJECT ED W. CLARK HIGH SCHOOL

The Omnibus Appropriations Act of 2009 (Public Law 111-8) directed the United States Department of Energy to provide funding to the Clark County School District (CCSD) to implement a solar lighting demonstration project. The project will be implemented at Ed W. Clark High School from approximately September 1, 2009, through August 31, 2012, as part of its modernization.

The overall objectives of this project are to increase usage of alternative/renewable energy, create a better and more reliable learning environment for the students, and reduce energy costs. The specific goal of this project is to install a hybrid fiber optic solar lighting system in appropriate areas of the school. This technology can provide high quality full spectrum day lighting with minimal electric energy to provide adequate classroom light conditions, while at the same time reducing any cooling required to offset electric light heat generation.

The solar lighting demonstration project has an estimated total amount of \$1,844,364.00, of which the United States Department of Energy will provide funding in the amount of \$761,200.00. The CCSD will be responsible for the remaining funds in the amount of \$1,083,164.00, as a required cost share for the project, to be paid from the funds appropriated for the modernization of Ed W. Clark High School from the 1998 Capital Improvement Program, with no increases in funding required. The modernization of Ed W. Clark High School is currently in design and is projected to begin construction in June 2010.

Discussion and possible action on approval for the authorization to submit and implement a solar lighting demonstration project at Ed W. Clark High School, to be funded by the Omnibus Appropriations Act of 2009 (Public Law 111-8), to begin September 1, 2009, and to be completed by August 31, 2012, for an estimated total amount of \$1,844,364.00, with the United States Department of Energy to provide funding in the amount of \$761,200.00, and the remaining \$1,083,164.00, to be paid from the funds appropriated for the modernization of Ed W. Clark High School from the 1998 Capital Improvement Program, with no increases in funding required, Fund 3080000000, Project C0002876; and for J. P. Gerner, Facilities Division, to act as the Board of School Trustees' designee for all project documents, is recommended.

J. P. Gerner  
October 8, 2009