



GOVERNMENT

Hill County Government Facilities

Named for Dr. George Washington Hill, who served under President Sam Houston as Secretary of War for the Republic of Texas, Hill County is located in North Central Texas, just south of the Dallas area.

Challenges

Looking for ways to save energy costs and become more environmentally sustainable, the government of Hill County, Texas applied for and was awarded a State Energy Conservation Office (SECO) Grant as part of the American Recovery and Reinvestment Act. The \$86,365 grant was funded through the Texas Comptroller's Office, and Hill County was deemed eligible for several different projects within the limits of the grant.

ActiveLED[®]
Case Study

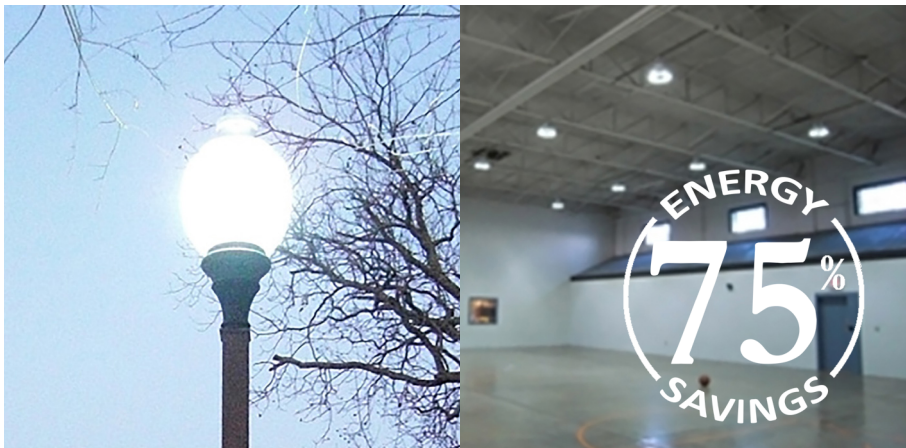
Chief Deputy Stephen Girsh, with the Hill County Sheriff's Office, wrote the grant on behalf of the county, and recommended projects including building energy audits and retrofitting and installing renewable-energy technologies on government buildings.

Solutions

Lighting played a large role in the projects and ActiveLED was asked to replace older, inefficient lighting at a variety of county buildings

The Hill County Courthouse project included replacing 250 Watt High Pressure Sodium (HPS) flood lights on the exterior of the building with 52 Watt ActiveLED Flood Lights. Special permission was granted by the Texas Historical Commission after insuring that the retrofit met historical standards on the courthouse, which has stood in its present location since 1890.

Other projects included converting 150 Watt HPS lamps in existing post-top acorn fixtures outside the Law Enforcement Center with 30 Watt ActiveLED Retrofit Kits, and 250 Watt HPS fixtures in the Men's Correctional Facility gymnasium with 78 Watt ActiveLED High Bay Round fixtures.



Results

“We are very impressed with the light quality coming from the ActiveLED fixtures,” said Hill County Chief Deputy Girsh. “Unlike the old lights, the ActiveLED fixtures provide a crisper, more uniform light with softer shadows.” It is estimated that the county will realize energy savings of \$8,000 annually as well as additional savings on maintenance. “We look forward to passing on the cost savings to our taxpayers,” Girsh concluded.

ActiveLED®, Inc., established in 2007, is an innovator of solid-state technology and manufacturer of commercial and industrial LED lighting fixtures. ActiveLED® is at the forefront of LED lighting technology and has revolutionized the standards of LED lighting to deliver better, cooler, longer-lasting lights that use a fraction of the Watts compared to other fixtures.

ActiveLED® is based in the United States with offices in the United Kingdom, France, Japan, and Singapore.

Project Summary

Customer:

Government of Hill County, Texas

Application:

Hill County Courthouse
Hill County Law Enforcement Center
Hill County Mens Correctional Facility

Lighting Product:

ActiveLED® FL Series Flood Light
ActiveLED® HR24 Series Round High Bay
ActiveLED® WP1 Series Wall Pack
ActiveLED® Acorn Custom LED Retrofit Kit

Before:

12 High Pressure Sodium Floods @ 250 Watts per fixture. Total = 3,000 Watts
15 High Pressure Sodium High Bays @ 250 Watts per fixture. Total = 3,750 Watts
36 Metal Halide Wall Packs @ 150 Watts per fixture. Total 5,400 = Watts
4 High Pressure Sodium Acorns @ 150 Watts per fixture. Total = 600 Watts

After:

12 ActiveLED® FL Series Flood Lights @ 52 Watts per fixture. Total = 624 Watts
15 ActiveLED® HR24 Series Round High Bays @ 78 Watts per fixture. Total = 1,170 Watts
ActiveLED® WP1 Series Wall Packs @ 38 Watts per fixture. Total 1,368 = Watts
4 ActiveLED® Acorn Custom LED Retrofit Kits @ 30 Watts per fixture. Total = 120 Watts

Results:

- Reduction in Watts: Average 75%
- ActiveREST™ Dimming Technology
- 10-Year No-Light-Loss Warranty