



## Hamilton County Jail Complex Solar Project Fact Sheet

- Construction set to start March 12, 2018
- Project was completed late-June 2018
- Estimated cost for the solar farm solutions is \$5 million dollars
- This is the largest solar panel project in the State of Indiana for a County-Owned Jail
- 9,300 solar panels were installed on the roofs of the Jail, Work Release Building, Juvenile Detention Facility, Woman's Annex, and the Health Services Facility.
- Solar panels were also installed on three acres of county-owned land nearby
- Utilities are Hamilton County's second-highest expense, behind employee salaries and benefits
- The County currently pays \$1.7 million a year in Utility bills for County facilities
- The project will provide enough energy to provide power to 38% of the Jail Complexes electrical consumption and 100% percent of the Health Services Building Electrical needs
- The panels and Energy Efficiency Solutions are expected to generate enough electricity to power about **465 U.S. homes** and will generate an estimated gross savings of **\$25,139,000 million** in utility and maintenance costs over 25 years and **\$ 13,495,463 of net savings** after paying off the loan with interest.
- The solar power produced and Energy-Efficiency Solutions each year produces of enough clean power to avoid enough greenhouse gas emissions equivalent to 10,360,668 driven car miles or carbon sequestered equivalent to 4,979 acres of U.S. Forests.
- Utility savings generated from this project will pay the capital cost of the project in less than 10 years
- An annual Energy Bond was vetted and obtained from Great American Surety to insure the Counties guaranteed energy performance each year
- The county will make \$610,000 a year in payments for the bonds over 20 years at a 1.9 percent interest rate

- The County can share this information with local schools to teach students about energy-efficiency and consumption. Field trips to the solar fields will also be available.
- As part of this overall Energy project The County will be going to all LED Energy Efficient Lighting Technology and providing an Electric to Gas Conversion for The Community Corrections HVAC systems. Hamilton County also invested in Natural Gas Vehicles, have a Natural Gas Filling Station, lowered our natural gas rate for all of our buildings with a Natural Gas Purchase Plan for all facilities and collaborated with Schools and Cities to utilize natural gas for their vehicles.