



# HOWARD COUNTY

ELLICOTT CITY, MD



## PROJECT SIZE

Phase 1: \$4.3M

Phase 2: \$1.0M

Phase 3: \$310K

Phase 4: \$1.4M

Phase 5: \$17.7M



## PROJECT SCHEDULE

06/2009-07/2018



## CONTRACT METHOD

ESPC



## SAVINGS INFORMATION

Approximately \$1.4M in annual energy and operational savings



Howard County was sought to take greater steps forward in their approach towards environmental sustainability. In order to do so, they aligned themselves with the U.S. Mayors Climate Protection Agreement. Howard County partnered with Energy Systems Group (ESG) to develop and implement a guaranteed energy savings performance contract over a 15-year term.

## SOLUTION

In order to help Howard County meet the criteria of the U.S. Mayors Climate Protection Agreement, ESG developed comprehensive energy solutions to enhance and modernize several buildings and implement a wide array of energy conservation measures.

The project scope included the following modifications:

- Green energy technologies
  - solar photovoltaic
  - daylight harvesting
  - green roof
- Lighting upgrades
- Building automation
- New RTU's and transformers
- Demolition and replacement of existing HVAC systems
- Window film
- New boilers and chillers
- Building envelope improvements
- Intelli-hood controls
- Energy management systems upgrades

## RESULTS

Howard County has achieved their sustainability goals that not only improve the environment, but also enhance the quality of life for its residents. To date, the savings achieved have exceeded the guarantee.