

# PROJECT CASE STUDY

## Jefferson County Detention Facility



### ENVOCORE SOLUTIONS

- Site survey of over 100 facilities throughout Jefferson County for energy savings opportunities. These site surveys also delivered a complete water balance of the facilities.

### DRIVERS

- Utility savings was the primary driver of this project. However, security system improvements and inmate and guard safety at detention facilities was also another main driver.

### BY THE NUMBERS



**145 DAYS**  
PROJECT  
DURATION



**\$146,000**  
ANNUAL SAVINGS



**40%**  
WATER REDUCTION

### PROJECT BACKGROUND

Envocore performed a detailed site survey and delivered a complete water balance across more than 100 facilities such as the airport, courthouses, police and fire stations, parks, maintenance facilities, and correctional buildings to understand the usage patterns of these facilities and to identify energy saving opportunities. Across the county, many of these facilities were in serious need of plumbing system improvements.

Beyond new water fixtures, the county was also interested in implementing new safety and surveillance systems in the detention facilities. With this in mind, Envocore not only provided the correctional complexes with water savings fixtures, but also incorporated advanced water system controls to further aid in the facilities control of water to inmate areas.

<https://co.jefferson.tx.us/>