

PROJECT CASE STUDY

Denver Public Schools



ENVOCORE SOLUTIONS

- Bundled other energy efficiency measures into a larger project & coordinated financing / a savings guarantee
- Envocore designed and built smart irrigation upgrades at 29 schools included the installation, testing and commissioning of 47 controllers

DRIVERS

- Most of the irrigation controls were conventional timer based and the sprinkler types included fixed spray, rotary, bubblers and drip.
- With just about a 22-week irrigation season and an annual effective rainfall percentage of 25%, Envocore's irrigation survey revealed annual consumption of over 66,500,000 gallons of water and over \$336,000 in annual spend for water used in irrigation.
- The survey revealed that installing smart irrigation controls, flow sensing, and making necessary repairs would lead to substantial savings for the school district.
- The audit team evaluated 3,980,203 square feet of irrigated landscape.

BY THE NUMBERS



17,800,000
GALLONS/YEAR IN
SAVINGS



\$398,000
A YEAR IN
SAVINGS



47 Controllers
GLOBALLY
MANAGED

PROJECT BACKGROUND

With just about a 22-week irrigation season and an annual effective rainfall percentage of 25%, Envocore's irrigation survey revealed annual consumption of over 66,500,000 gallons of water and over \$336,000 in annual spend for water used in irrigation. The survey revealed that installing smart irrigation controls, flow sensing, and making necessary repairs would lead to substantial savings for the school district.

ABOUT DENVER PUBLIC SCHOOLS

The Denver Public Schools (DPS) is the public school system in the City and County of Denver, Colorado, United States. DPS operates 207 schools, including traditional, magnet, charter and pathways schools, with a current total enrollment of about 92,331 students.

<https://www.dpsk12.org/>