

PROJECT CASE STUDY

DENVER PUBLIC SCHOOLS Saving Water, Saving Money



ENVOCORE SOLUTIONS

- ◆ Bundled energy efficiency measures into a larger project and coordinated financing with a savings guarantee.
- ◆ Designed and built smart irrigation upgrades at 29 schools, including installation, testing, and commissioning of 47 controllers over six months.

DRIVERS

- ◆ Majority of irrigation systems used outdated timer-based controls with varied sprinkler types (spray, rotary, bubblers, drip).
- ◆ Envocore's survey found over 66.5 million gallons used annually during a 22-week irrigation season, costing the district \$336,000.
- ◆ Audit of 3.98 million sq. ft. of irrigated landscape revealed major savings potential through smart controls, flow sensing, and targeted repairs.

BY THE NUMBERS

 **17,800,000**
GALLONS/YEAR IN SAVINGS

 **\$398,000**
A YEAR IN SAVINGS

 **\$1,140,000**
CONTRACT VALUE

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.

Fun fact: The upgrades across 29 Denver schools are saving enough water annually to fill over 27 Olympic-sized swimming pools.