Aqualitec
Wastewater Treatment Equipment

CASE STUDY



Galt, CA | Multirake Bar Screen

Storm-flow backup screening for Headworks protection

Application

The City of Galt needed a reliable backup screen at the Headworks. During storm events, the perforated plate screen can clog and cannot keep up with peak flow. The Aqualitec Multirake takes over when needed to maintain screening and protect downstream equipment.

Challenge

Galt's previous secondary unit was an old climber screen. It was outdated and the plant needed a more dependable solution for wet-weather operation and redundancy at the Headworks.

Solution

Aqualitec supplied a Multirake bar screen installed parallel to the perforated plate screen. The unit starts automatically when flow reaches a set point and gives operators an alarm when it is running.

Field Result

In service for about two years, the Multirake started automatically during two major storms in late 2025 and early 2026. During the January 2026 event, influent flow doubled and the screen operated as intended.

KEY FACTS

Location	Galt, California
Application	Secondary / backup Headworks screening
Equipment	Aqualitec Multirake bar screen
Bar opening	1/4 in.
Plant flow	1.77 MGD average dry weather flow

OPERATOR BENEFITS

- **Takes over during storm flow**
- **Protects downstream equipment**
- **Automatic start and operator alarm**
- **Replaced the old climber screen**

Aqualitec Takeaway

Fast, automatic backup screening when the perforated plate screen cannot keep up.