Salt and Water Balance
A salt and water balance of the district was performed in 2009. The balance provided the district with a better understanding of the surface and groundwater use within the district, allowing the district to assess future water supply planning alternatives.

Island and San Pedro Reservoirs (Proposed)
The Island and San Pedro Reservoirs will provide flexibility to district customers at the ends of the system while minimizing district spills.

Drain Water Recovery
The Box Car Interceptor and the Poso Drain/Pick-Anderson canal/pipeline systems will recapture spills and drainage water, and direct them to the Central Reservoir.

Spill Monitoring
The district remotely monitors the flow and/or water levels in drains flowing into and out of the district. An air blast system was designed to prevent sediment build-up around Acoustic Doppler Velocity Meters (ADVMs).

Long-Crested Weirs (LCWs)
Long-crested weirs provide good water level control with changing flows. The LCWs in SLCC's system create a "super-highway", allowing the district to move water quickly from the head of the system (the San Joaquin River) to the Central Reservoir.

Control Changes
With the installation of the Central Reservoir, the control direction was shifted. Rather than directing excess flows down the Arroyo Canal, where they would spill into a drain (as shown in the top diagram), excess flows are now directed down the Delta Canal to the Central Reservoir (as shown in the bottom diagram). The reservoir can regulate those variations in flows, reducing spill.