Construct a dozen new regulating reservoirs to provide:
- Increased flexible water deliveries upstream and downstream
- Restart downstream flow rates at any time
- Easier management operations for district personnel
- Reduce spills at tail ends of canals

Create new pumpback, intertie, and diversion pipelines to recirculate flow variations

Improve flow measurement and control at key points

Northside Canal Headgate

Improve water level control down the Main Canal "super-highways"

ITRC Flap Gates for constant water level control

Change the tail end of the El Nido Canal System to operate under downstream control

Outlet of El Nido Reservoir

Auto 2 Reservoir

Site of future regulating reservoir on Atwater Canal

Outlet of pipe through Diversion Channel

Flow control at drop to Fairfield

Outlet of pipe through Diversion Channel

Merced Irrigation District

Modernization Plan

WATER & POWER

May 2015

Legend

Modernization Components
- New Regulating Reservoir
- New Pipeline Valve
- New Pumps
- New Flow Control
- New or Improved Flow Measurement
- Improved Water Level Control
- New Diversion Channel
- New Level/Posts
- New Lateral Interfa Pipeline
- New Downstream Control
- Whiter Pumpback Pipeline

Note: The map shows the proposedModernization Components for the Merced Irrigation District.