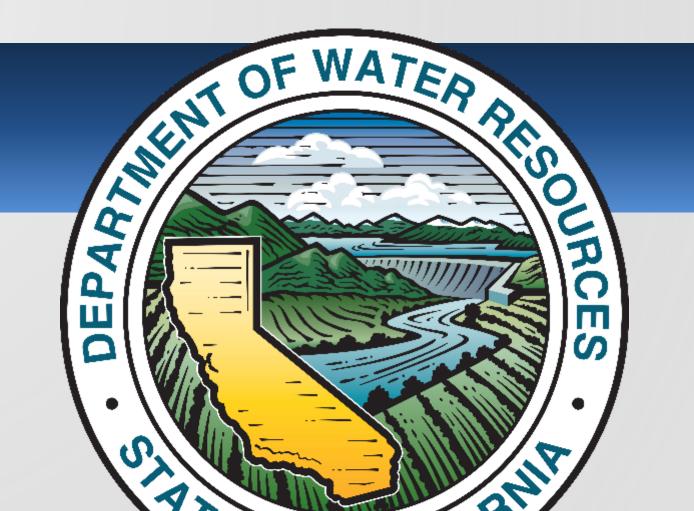
Asset Management SWP Aging Infrastructure and BCP Positions

David Duval, Division Manager

Division of Operations and Maintenance



State Water Project (SWP) Resilience to Climate Change

- Primary challenges
 - Changing hydrology
 - Wildfire impacts to watersheds
 - Aqueduct subsidence
 - Aging infrastructure

- State Water Project is resilient by design
 - Storage and conveyance facilities are designed to flexibility in operations
 - Adaptive management of water and power operations

Manage SWP infrastructure reliability to maintain system resilience and operational flexibility



SWP Asset Management

Division of Operations and Maintenance Asset Management efforts began in 2015

- Asset management system built upon the ISO 55001 international standard
- Primary components
 - Asset Management
 - Management system
 - Risk Management
 - Asset planning
 - Maintenance planning
 - Maintenance tracking
 - **Emergency Preparedness**
 - Preparation
 - Contingency planning

10 Improvement

- · Non-conformity and corrective action
- Preventative action
- Continual improvement

9 Performance Evaluation

- · Monitoring, analysis & evaluation
- · Internal audit
- · Management review

4 Context of the Organization

- · Stakeholders needs and expectations
- Scope of the asset management system

Plan ISO 55001:2014 Management System Structure Check

Operational planning and control

· Management of change

8 Operation

Outsourcing

5 Leadership

- · Roles, responsibilities and authorities

6 Planning

- · Actions to address risks & opportunities
- Asset management objectives
- · Levels of Service & Performance Measures

7 Support

- Resources and Competence
- Awareness and Communication
- Information requirements
- Document management





Current SWP Asset Management Initiatives

Reliability Actions

- Asset Management
 - Updated asset register
 - Transformer AM Plan
 - South Bay Aqueduct AM Plan
- Maintenance Management
 - Updated maintenance plans
 - SAP Mobility

Resilience Actions

- Emergency Preparedness
 - Program Initiation
 - Training
 - Emergency response exercises
- Forecast-Informed Reservoir Operations
 - Feather River watershed
- Lake Oroville Water Control Manual Update



New State Water Project Positions

2021 – Legislature approved the SWP Aging Infrastructure Budget Change Proposal

- 150 positions over 4 years
 - Asset Management (AM)
 - Maintenance Management (MM)
 - Maintenance (Trades & Crafts)
 - Emergency Preparedness (EP)
 - Operations Planning (OP)

Fiscal Year 2021-2022

- 67 positions
 - Division of Operations & Maintenance
 - AM/MM 28
 - Maintenance 20
 - EP 3
 - OP 2
 - Division of Engineering
 - Engineering/support 14

