

Appendix A

Future Actions for Inclusion in the No-Action Alternative and Cumulative Actions List

ACTIONS

Actions that may be included in the Program no-action alternative or the cumulative projects list could affect one or more of the following areas: policies, institutional requirements, physical facilities, environmental conditions, or economic and/or socioeconomic conditions. For the purposes of review, actions to be considered for inclusion in the no-action alternative are presented within one of the five action categories listed below. Although some actions may affect more than one category, they are grouped based on their primary objectives.

Policies

This category includes policies that will need to be adjusted/established for governing the operation of facilities such as the State Water Project (SWP) or the Central Valley Project (CVP) before analysis of the no action alternative can be performed.

Institutional Requirements

This category includes regulatory and legislative actions that could affect the operation of water supply projects and facilities. Institutional actions may affect system wide, regional, or local project operations. The effects of operational changes in response to institutional actions could include changes in the availability of water and changes in water quality and fish and/or wildlife habitat.

Physical Actions

This category includes facility construction or modification of current facilities. Projects may include new water supply collection and storage facilities.

Environmental Actions

This category primarily includes site-specific actions intended to improve water quality and fish and/or wildlife habitat.

Economic Actions

This category includes trade agreements, price support programs, and water and power pricing policies that could affect economic conditions. Programs that affect commodities values or water-pricing may influence crop selection and acreage. Programs that affect power-pricing may influence the cost recovery of water and power projects and could ultimately affect the price of water.

The following presents potential actions to be considered for inclusion in the Program no-action alternative and cumulative actions list.

POLICIES

Current policies related to the following may have to be adjusted:

Central Valley Project

- Central Valley Project operations criteria,
- coordinated operations agreement,
- Trinity River flow requirements,
- biological opinions for endangered species,
- water contract renewal assumptions,
- hydroelectric power production,
- water contract rate-setting,
- water conservation,
- acreage limitations, and
- refuge water supplies.

State Water Project

- State Water Project operations criteria,
- coordinated operations agreement, and
- Monterey agreement.

Non-CVP and Non-SWP Facilities

- FERC license requirements

INSTITUTIONAL ACTIONS

The following regulatory and legislative actions could result in changes in criteria for the operation of existing water supply facilities.

Reclamation

- CVPIA Provisions:
 - re-operation of CVP,
 - dedication of up to 800,000 af/yr of CVP yield,
 - delivery of firm level-2 supplies to refuges,
 - Trinity instream flow study recommendations,
 - acquisition of water for level-4 refuge deliveries and instream flows,
 - federal reimbursable and nonreimbursable funded portion of CVPIA actions, and
 - San Joaquin River comprehensive plan;
- land retirement program;
- water conservation program;
- New Melones water management study; and
- Pajaro Valley Basin management plan.

U.S. Fish and Wildlife Service

- CVPIA provisions
 - anadromous fish restoration program and
 - comprehensive assessment and monitoring plan.

Federal Energy Regulatory Commission

- FERC license renewals
 - Merced River,
 - Mokelumne River, and
 - Tuolumne River.

State of California

- Bay-Delta water quality control plan,
- emergency drought bank, and
- State of California funded portion of CVPIA actions.

Multiagency

- Stanislaus River Basin and Calaveras River water use program

PHYSICAL ACTIONS

These actions include modifications to or construction of facilities that collect, store, or convey water.

Reclamation

- American River water resources investigation,
- refuge water supply and conveyance program,
- Sacramento River drainage and seepage utilization study,
- Shasta Lake enlargement,
- Shasta temperature control device, and
- Sites reservoir.

U.S. Army Corps of Engineers

- Pine Flat fish and wildlife restoration project

State of California

- Coastal aqueduct,
- Kern water bank,
- Los Banos Grandes Reservoir,
- North Delta water management program, and
- Red Bank Dam study (Cottonwood Creek)

Nonfederal and Non-State of California

- Arvin Edison Water Storage District and Metropolitan Water District of Southern California,
- Delta Wetlands,
- Folsom South Canal intertie to Mokelumne Aqueduct,

- Los Vaqueros Reservoir,
- Raise Pardee Dam,
- Central California Water Recycling and Reuse Project, and
- Upper American River Project.

ENVIRONMENTAL ACTIONS

The following actions are primarily intended to improve environmental conditions for the benefit of fish and/or wildlife. Most of these actions are site-specific and would result in improved biological conditions compared with existing conditions.

Reclamation

- Kesterson Reservoir cleanup,
- Grasslands Bypass,
- Spring Creek Toxicity program, and
- Stony Creek fish, wildlife, and water use plan.

U.S. Fish and Wildlife Service

- Coleman Fish Hatchery improvements,
- Stone Lakes National Wildlife Refuge, and
- Upper Sacramento River habitat study.

U.S. Army Corps of Engineers

- Lake Oroville enhancement study.

State of California

- Arroyo Pasajero,
- Clear Creek improvements,
- Georgiana Slough improvements,
- Old River barriers,
- South Delta program,
- Suisun Marsh protection plan, and
- West Delta water management program.

Nonfederal and Non-State of California

- Delta Wetlands and
- M&T Ranch pump relocation

ECONOMIC ACTIONS

The following actions, when implemented, could affect socioeconomic conditions and potentially result in changes in water demand and use within the project area.

Federal

- Farm commodity price support programs and
- Western Area Power Administration 2004 Marketing Program.