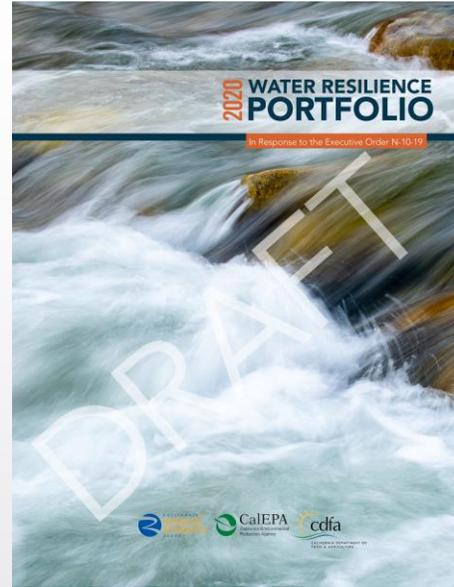


Draft Water Resilience Portfolio

January 2020

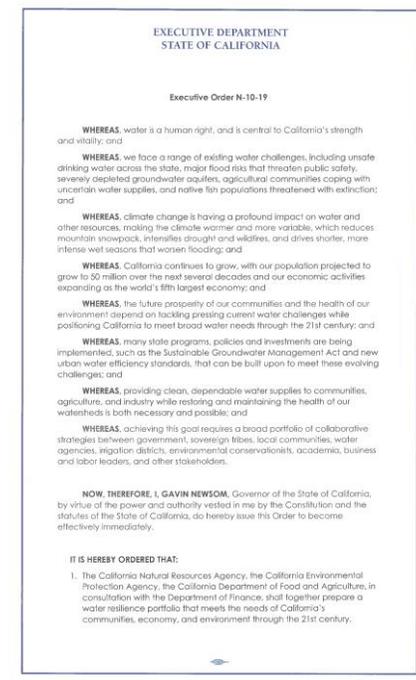
www.waterresilience.ca.gov



In executive order N-10-19 (April 2019), Governor Newsom called for state agencies to create a water resilience portfolio.

“ . . . Shall together prepare a water resilience portfolio that meets the needs of California’s communities, economy, and environment . . . “

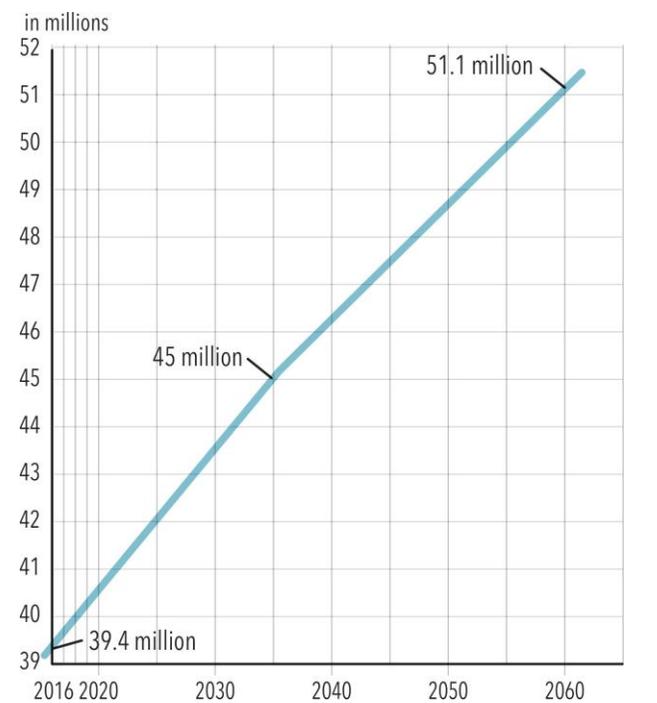
State Agencies shaped the draft portfolio with public input and an inventory and assessment of various aspects of California water systems.



<https://www.gov.ca.gov/wp-content/uploads/2019/04/4.29.19-EO-N-10-19-Attested.pdf>

Drivers of change

- ▶ An additional 10 million residents expected in California by 2050
- ▶ Increasingly warmer average temperatures
 - Alter precipitation patterns
 - Shrink snowpack
 - Intensify drought and flood



Draft document, released January 3, 2020, is an integrated set of actions designed to help communities:

- ▶ Prepare for disruptions
- ▶ Withstand and recover from shocks
- ▶ Adapt and grow from these experiences

The Governor asked that the portfolio encourage:

- Projects that offer multiple benefits
- Use of natural infrastructure such as forests and floodplains
- Innovation and new technologies
- Regional approaches among water users
- Examination of successful models from outside California
- Integration of investments, policies, and programs across state government
- Partnerships with local, federal and tribal governments, water agencies and irrigation districts, and other stakeholders

The draft portfolio includes 133 actions toward these goals:

- Maintain and diversify water supplies
- Protect and enhance natural systems
- Build connections
- Be prepared



Some actions highlight critical water management efforts already underway. For example:

- Implement the Sustainable Groundwater Management Act of 2014.
- Implement the “conservation as a way of life” laws of 2018.
- Implement the Safe and Affordable Drinking Water Act of 2019.
- Work to eradicate nutria.

Some actions aim for greater state government efficiency. For example:

- Coordinate grant and loan programs across state agencies to fund multi-benefit projects.
- Evaluate state water-related plans and consider modifying, consolidating, or discontinuing.
- Integrate state and federal surface and groundwater models.
- Develop expedited and cost-effective permitting mechanisms for restoration projects.

Some actions highlight the role of science and data in water management. For example:

- Develop methodologies to rapidly quantify the timing, quality, and volume of flows fish and wildlife need.
- Phase requirements for telemetered diversion data to diversions of 500 acre-feet or more per year (down from 10,000 acre-feet a year).
- Perform regional watershed-scale climate vulnerability and adaptation assessments.

Taken together, actions in the draft portfolio recognize that:

- Water management responsibilities are largely local.
- State agencies play important roles as policymaker, regulator, funder, collector and keeper of information, manager of inter-regional infrastructure.
- Progress underway should be sustained.
- State agencies should better integrate how they collect data, conduct modeling, distribute grants, and plan for flood and drought.

Portfolio regional assessments: A look at the South Coast

- ▶ Greater urban demand growth here projected by 2050 than elsewhere in state
- ▶ A diverse portfolio of water sources support region
- ▶ Urban runoff major source of water pollution
- ▶ Climate change likely to bring:
 - wetter winters
 - drier springs
 - more frequent and severe droughts
 - sea level rise of three feet or more by 2100
 - decline in Colorado River flows
 - higher wildfire risk

Next steps

- ▶ Gather written feedback by February 7
- ▶ Revise document accordingly
- ▶ Submit final version to Governor

Draft available at
<http://waterresilience.ca.gov/>

Submit comments to
input@waterresilience.ca.gov

QUESTIONS?