

June 2025

Agenda Item: 6
Meeting Date: June 26, 2025
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Delta Adapts: Adaptation Plan



**Delta
Stewardship
Council**

A CALIFORNIA STATE AGENCY

SUMMER 2021



Flooding



Extreme Heat

Vulnerability Assessment Findings



Drought



Wildfire

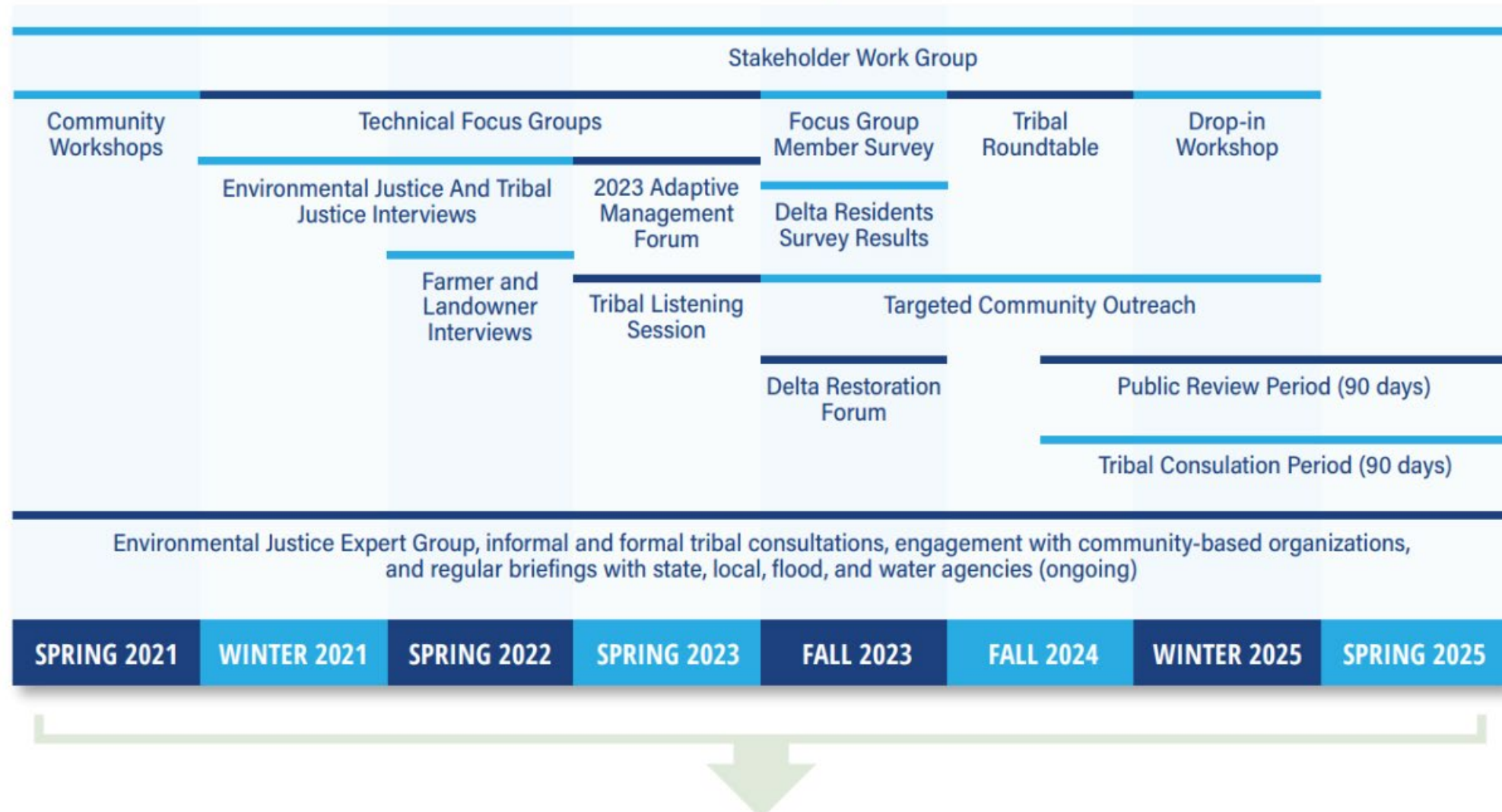
- More flooding
- Climate change will impact Delta residents disproportionately

- Less reliable Delta exports
- Periodic decreases in water quality for in-Delta users

- Increased loss and stress on ecosystems
- Decreased agricultural yields



Partner Input



SUMMER 2025



Water Supply
Reliability (WSR)



Ecosystem
Restoration

Adaptation Plan



Agriculture



Flooding

- Adaptation strategies
- Governance best practices
- Recommended implementation leads and partners

Summary of Comments

- Interest in continued collaboration in implementation
- Importance of Delta levees and consistent funding for maintenance and improvements
- Request for prioritization of actions
- Suggestions for implementation
- Clarification of relationship of adaptation plan to CCVA and more documentation for the process to develop the plan's strategies and actions

Summary of Edits

- Climate impacts in the present and future
- Relationship to other state plans and initiatives
- Additional connections to CCVA
- Additional detail on process for developing strategies and actions
- Need to sustain support for levees
- Added context to language around carbon sequestration and wetland restoration and subsidence and flood risk
- Details for next steps following plan adoption
- Adaptation accelerator actions

Adaptation Accelerators

Examples

Flood Risk Reduction

- Integrate climate change and socioeconomic factors into flood risk management (**FL-1-1**)
- Integrate climate risks and equity into the Delta Levees Investment Strategy (**FL-2-2**)
- Prioritize levee improvements in socially vulnerable communities (**FL-2-6**)

Ecosystems

- Prioritize multi-benefit projects (**ECO-1-4**)
- Incentivize land use that halts and reverses subsidence (**ECO-2-1**)
- Work with tribes to implement nature-based solutions and co-manage restored public areas (**ECO-3-2**)

Agriculture

- Improve and expand irrigation efficiency management practices (**AG-1-1**)
- Create training, employment, and land access programs for the next generation of farmers (**AG-2-2**)
- Support and fund environmental credits (e.g., wildlife-friendly farming incentives) (**AG-3-3**)

Water Supply Reliability

- Invest in Flood-MAR (**WSR-2-4**)
- Improve Delta levees (**WSR-3-1**)
- Coordinate with all partners to review Bay-Delta Plan water quality standards (**WSR-5-1**)

Next Steps

Adaptation Plan In Action

- Connecting with Adaptation Plan leads and partners through DPIIC and potentially a regional climate collaborative
- Delta Plan gap analysis
- Science for Communities 3.0
- Reimagining how we quantify and visualize social vulnerability





Delta Adapts Adaptation Strategy Dashboard

(Coming Soon!)

Agriculture

Ecosystem

Flood

Water Supply Reliability

Home Page

Lead Organization

(All)

| ID | Adaptation Strategy Description | Lead Organization | Implementing Actions ID | Implementing Action Description |
|------|--------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|---------------------------------------------------------------------------------------------------------------|
| AG-1 | Expand adoption and support CDFA implementation of climate-smart farming practices across Delta agricultural lands | | AG-01-01 | Improve and expand irrigation efficiency management practices |
| | | | AG-01-02 | Consult with immigrant farm workers and related groups to identify recommendations for agricultural practices |
| | | | AG-01-03 | Build soil health |
| | | | AG-01-04 | Increase plant diversity |
| | | | AG-01-05 | Implement integrated pest management |
| | | | AG-01-06 | Crop switching |
| | | | AG-01-07 | Consider practicing rotational fallowing to conserve water and diversify economic portfolios |
| AG-2 | Build a sustainable, equitable CDFA regional food system | | AG-02-01 | Support and retain labor and workforce development |
| | | | AG-02-02 | Create training, employment, and land access programs and opportunities for the next generation of farmers |
| | | | AG-02-03 | Support and promote small, family-owned, diversified, and urban farm |
| | | | AG-02-04 | Improve local food access |

Sort By

Hazards Addressed

Drought

Extreme Heat

Flooding

Water Quality

Water Supply

Wildfire

None

Cobenefits

Biodiversity

Community

Economy

Flood

Food

Greenhouse Gases

Health

Recreation

Subsidence

Water

Sort By

Hazards Addressed

- Drought
- Extreme Heat
- Flooding
- Water Quality
- Water Supply
- Wildfire
- None

Cobenefits

- Biodiversity
- Community
- Economy
- Flood
- Food
- Greenhouse Gases
- Health
- Recreation
- Subsidence
- Water

Staff Recommendation

Approve Resolution 2025-08, which would adopt the final adaptation plan, *Delta Adapts: Creating a Climate Resilient Future*.



Thank you

Email: climatechange@deltacouncil.ca.gov



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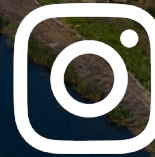


[Deltacouncil.ca.gov/delta-plan/climate-change](https://deltacouncil.ca.gov/delta-plan/climate-change)

[Deltacouncil.ca.gov/environmental-justice](https://deltacouncil.ca.gov/environmental-justice)



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