

Candidate Conservation Agreement with Assurances for the Monarch Butterfly (Monarch CCAA) Webinar

Hosted by Caltrans

Feb. 27, 2025 | 10-11 a.m.

Ground Rules & Reminders

- Meeting is being recorded
- Attendees automatically muted upon entry
- Chat box deactivated for duration of meeting
- May comment/ask questions via Q&A box
 - Questions will be answered during facilitated Q&A session after presentation
 - Instructions will be displayed onscreen



Nationwide Candidate Conservation Agreement for Monarch Butterfly on Energy and Transportation Lands

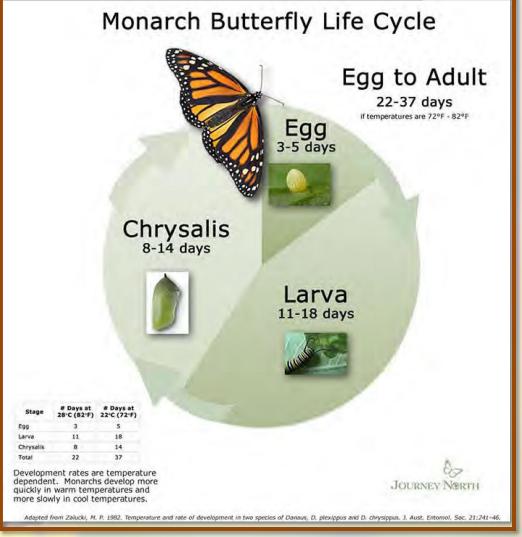
An integrated Candidate Conservation
Agreement with Assurances (CCAA) and
Candidate Conservation Agreement
(CCA)

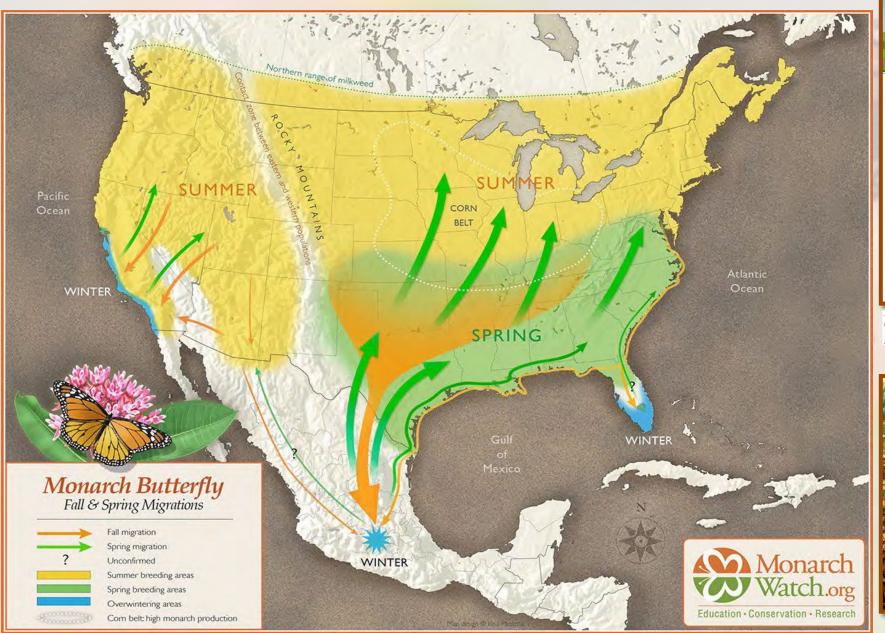
Coordination and Implementation











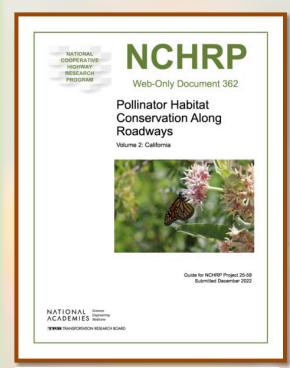


Xerces Society

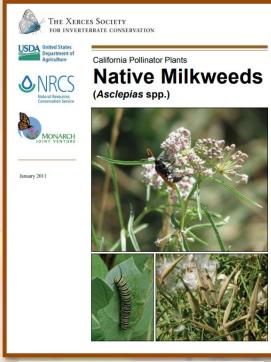
https://www.xerces.org/milkweed/milkweed-guides



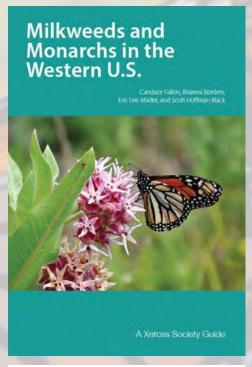
These are some handy guides specific to California milkweeds



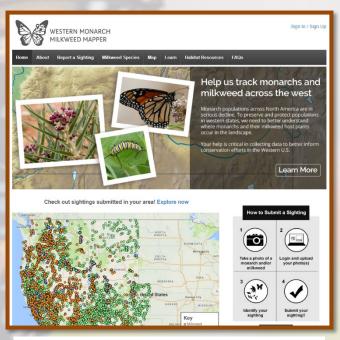
https://nap.nationalacademies.org/catalog/27 060/pollinator-habitat-conservation-alongroadways-volume-2-california



https://www.xerces.org/sites/default/files/publications/15-006.pdf



https://mjv.nyc3.cdn.digitaloceanspaces. com/documents/monarchsandmilkweed may29.pdf



https://www.monarchmilkweedmapper.org/

Primary Threats to Monarch

Habitat loss and degradation

- Urban development
- ~90% of historic milkweeds eradicated due to changes in agricultural practices
- Loss of overwintering sites. Xerces Society's monitoring of the western monarch groves suggests it is the second lowest overwintering population since the late 1990s.

Pesticides

 Neonicotinoid insecticides, often used on seed coatings, have also been linked to declines

Climate change

- Wildfires, flash floods, and other extreme weather events. Drought
- Plant emergence and blooming becoming mismatched to monarch presence





What is the MONARCH CCAA

- 1. WHAT? Unprecedented Nationwide Programmatic Agreement to encourage participation in the voluntary conservation of transportation lands that results in a net benefit to monarchs.
- 2. WHERE? Enrolled lands under the Monarch CCAA have assurances and incidental take if the monarch is listed. https://www.fws.gov/press-release/2024-12/monarch-butterfly-proposed-endangered-species-act-protection
- 3. WHO? Caltrans continues its O&M activities, ensuring these are covered activities per the Monarch CCA criteria. HQ DEA manages the CCAA and will work with District Staff to implement the Monarch CCAA.
- **4. HOW?** Conservation measures are grounded in Caltrans Standard Practices and provide Section 7 streamline for O&M activities. Implementation will include modifying vegetation management practices and will require monitoring adopted acres.

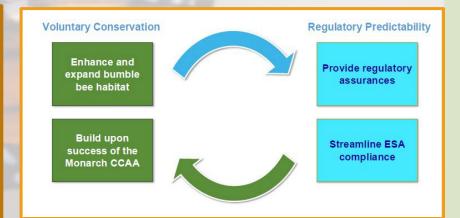
Key Benefits

- 1. Protection for Caltrans related to regulatory uncertainty
- 2. Avoid project delays or added maintenance costs
- 3. Streamline regulatory processes that can add costs and time during construction
- 4. Generate positive public perception by highlighting monarch and pollinator conservation on the ROWs
- Caltrans's commitment to pollinator conservation by continuing partnerships, e.g., CDFW Monarch MOG

How does the Monarch CCAA work?

The goal of this Agreement is to encourage participation in the voluntary conservation of transportation lands that results in a net benefit to monarchs.

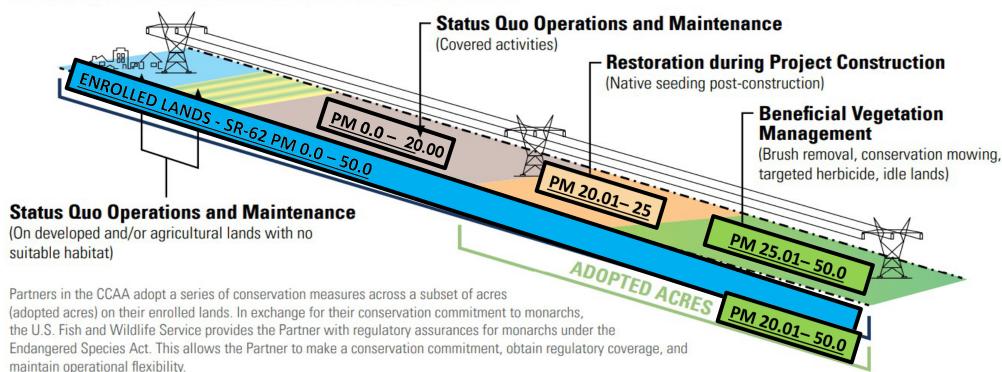
- 1. Is your District enrolled in the Monarch CCAA
- 2. Do the proposed general operations and routine maintenance activities take place on <u>enrolled lands and suitable monarch</u> <u>butterfly habitats</u>? Additionally, do the O&M activities meet all the criteria outlined in the Monarch CCAA as a Covered Activity?
- 3. District Monarch Coordinator and Vegetation Management Leads have been informed that the Monarch CCAA will be utilized for O&M activities and reporting has been completed
- 4. CCAA Annual Reporting will be completed by the HQ DEA Pollinator Lead. Do you know your District Monarch Coordinator, District Maintenance Vegetation Management Leads, and HQ DEA contact?





What are enrolled acres and adopted acres?

What the CCAA Looks Like On the Ground







Caltrans Enrolled Acres – 36,653 Adopted Acres – 2,932

Table 6-1. Sector-specific Adoption Rates Required for Enrollment in the Agreement.

Adoption Rate By Sector	Transmission	Distribution	Generation	Highways (Interstate, U.S., State)	Roadways (County, Local)	Rail
Agreement Adoption Rates	18%	1%	9%	8%	5%	5%

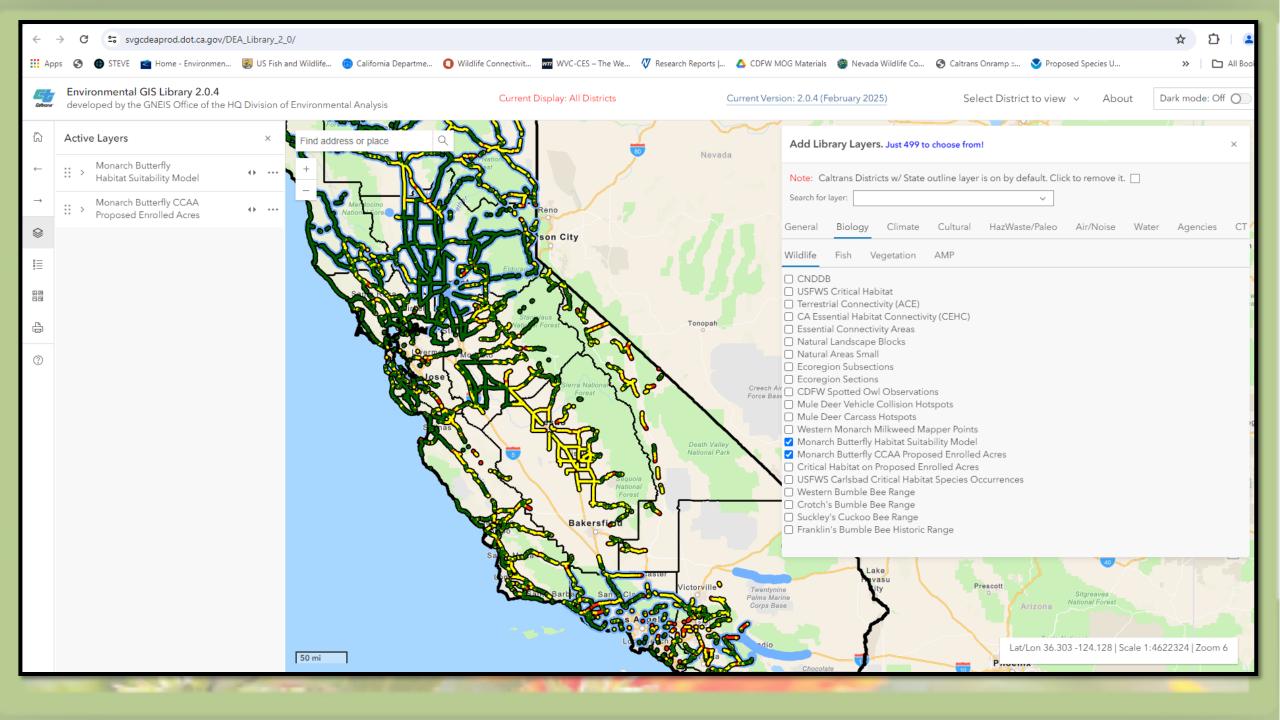
Enrolled Lands

- District Management enrolled lands
- Caltrans commits to conduct and track conservation activities on 8% of those enrolled lands annually. These lands are known as "adopted acres."
- District Management assignments for District Monarch Coordinator and District Maintenance Vegetation Lead. Participation in training, outreach, meetings, etc.
- 4. Monarch CCAA website https://rightofway.erc.uic.edu/national-monarch-ccaa/

DISTRICT ENROLLED	Routes	Enrolled Acres	Adopted Acres
1	Entire District	2,656	212
2	Entire District	12,930	1,034
3	Entire District	16,755	1,340
4	SM-280	352	28
7	Entire District	2,568	205
	RIV-10; RIV-62; RIV-74; RIV-79;		
8	RIV-243; SBD- 62; SBD-40; SBD-	1,924	154



Caltrans Enrolled Acres – 36,653 Adopted Acres – 2,932



What activities are Covered?

Operations

- Line or facility operation
- Highway and road use
- Access and inspections
- Emergency response

Maintenance

- Vegetation management
- Maintenance and repairs
- Facilities maintenance
- Staging and storage

Modernization

- Rebuilding facilities
- Replacement projects
- Upgrading existing facilities
- Expanding existing facilities

New Construction!

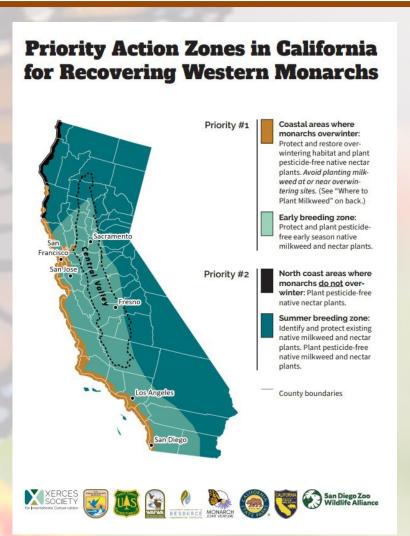
- This includes realignments of routes through previously undisturbed ground, new onramps, bridge widenings, culvert
- Activities conducted on lands not enrolled in the CCAA





How will Caltrans track conservation activities on the "adopted acres" Conservation Strategies – Examples

- Timed Mowing Practices/Brush Removal
- Targeted Mowing Practices
- Suitable habitat set-asides/idle lands for one or more growing seasons
- Seasonal Opportunities to promote pollinator resources during migration and breeding
- Allowing native landscapes to seed/germinate
- Monarch Overwintering Habitat
 Conservation Measures/Overwintering
 Buffer
- District Vegetation Management
- ESAs



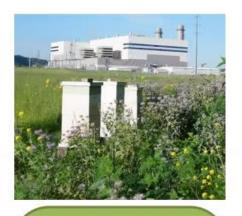
Conservation Measures











CREATE

Plant a variety of milkweed and native flowering plants to restore or enhance habitat

PLAN

Time mowing, brush removal, and herbicide use when monarchs, eggs, or caterpillars are not present

AVOID

Reduce mowing and spraying, use targeted herbicide practices where possible to enhance suitable habitat

MANAGE

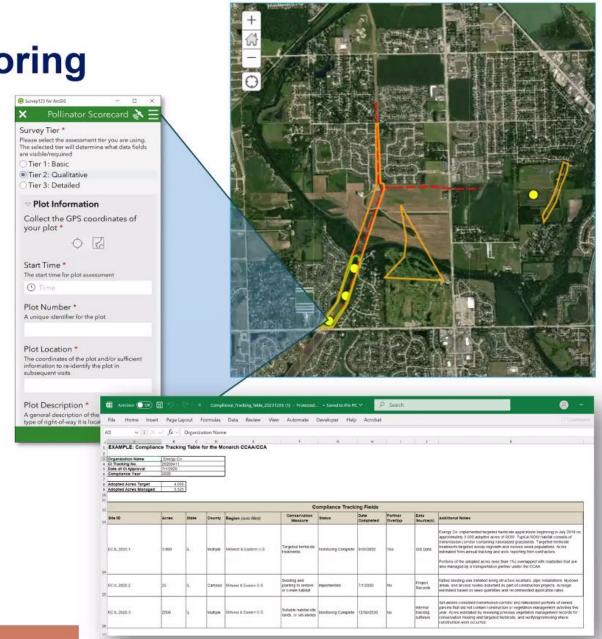
Adopt grazing, burning, and other management practices to promote beneficial plants

SET ASIDE

Allow certain areas to remain in a natural state with as little active management as possible

CCAA Effectiveness Monitoring

- Annual effectiveness monitoring occurs on a subset of adopted acres
- Annual compliance report summarizing conservation measures, monitoring, and adaptive management



What is the next step?

How it Works?

Authorization of CCAA

- USFWS authorizes the agreement and issues an EOS Permit.
- The Program
 Administrator agrees
 to uphId the agreement
 and permit compliance
 requirements.

Certificate of Inclusion Enrollment

- The Program
 Administrator enrolls
 partners into the
 agreement terms via
 Certificates of Inclusion.
- Partners adopt voluntary conservation measures, compliance, tracking, and monitoring required to fulfill the agreement terms.

Implementation

- Partners implement conservation measures and conduct tracking and effectiveness monitoring
- Partners annually report compliance to Program Administrator.

Reporting

- The Program
 Administrator gathers
 and cumulatively reports
 an agreement compliance
 to USFWS.
- USFWS verifies compliance and discusses any needs with Program Administrator.





- · Since approval in April 2020:
- 61 applicants across 43 states
 - 33 energy companies
 - 28 transportation agencies
- More than 7 million enrolled acres
- More than 1.1 million adopted habitat acres committed



MONARCH CCAA IMPLEMENTATION PLAN

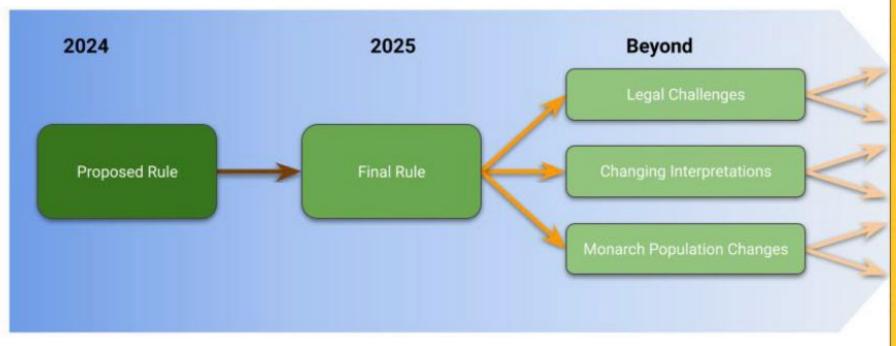
HQ DEA Pollinator Lead - Monarch CCAA Implementation Plan

- HQ DEA → District Monarch Coordinator, Vegetation Leads, Landscape Architects will collaborate on the implementation plan
- 2. HQ DEA → will work with HQ Maintenance and District Leads to integrate the Monarch CCAA into the District's Vegetation Management Plans, ESAs, and various vegetation management practices
- 3. HQ DEA → District Monarch Coordinators Quarterly Meetings to integrate the Monarch CCAA
- 4. HQ DEA → Spring 2025 Monarch and Milkweed Surveys
- 5. HQ DEA → will host trainings, outreach, oversight, and engage with District Staff to further implement the Monarch CCAA
- 6. HQ DEA → Engage with enrolled districts to determine Adopted Acres
- HQ DEA → Annual Report, Monitoring, and Adaptative Conservation Measures

Office	Staff	Responsibilities			
HQ DEA Fish and Wildlife Connectivity	Pollinator Lead	Manage, Monitor, and report back to the Districts, USFWS, and UIC. Development of the Implementation Plan and Annual Report			
HQ – Office of Natural Resource Management	District Maintenance Vegetation Lead	Integrate the Monarch CCAA into the District VMP and collaborate with the District Monarch Coordinator			
District Environmental	District Monarch Coordinator	Collaborate with the District Vegetation Lead to integrate the Monarch CCAA into the District VMP and delineate ESAs. Coordinate with the HQ DEA to report utilization of the Monarch CCAA			
District Maintenance	Maintenance Area Supervisor, Senior Engineer	Coordinate with the District Vegetation Lead, District Monarch Coordinator, and HQ DEA for utilization of the Monarch CCAA			

Looking Ahead to the Monarch Listing Decision

What will happen in December, and what happens after?

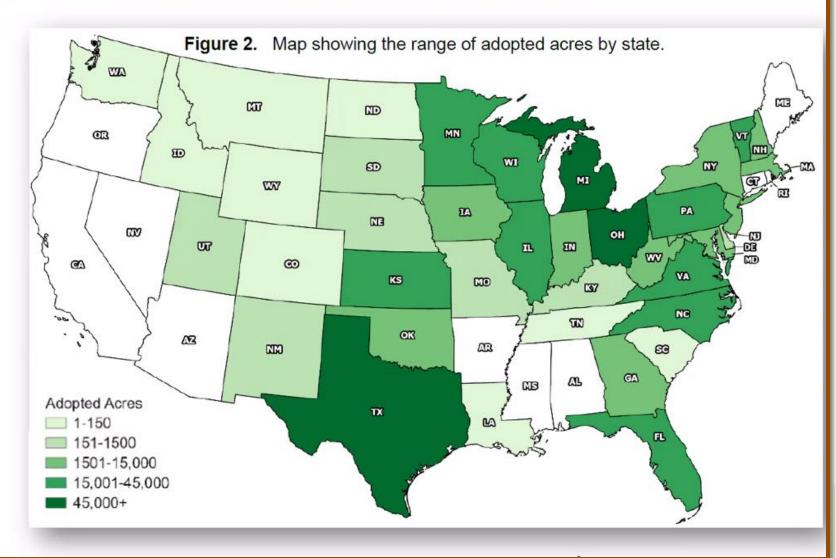


Under all scenarios, the Monarch CCAA provides:

- Predictability for operations
- Consistency in how monarch is considered
- Protection in an uplisting or urgent listing
- Reduced business risk

2023 By the Numbers – Conservation Achieved

- 5,418,585 enrolled acres
- 982,410 adopted acres
 - 238% above the target for adopted acres
 - 598.5 overlapping acres
- All conservation measures and supplemental measures were implemented by Partners in 2023
- Conservation measures were conducted across 38



Monarch Questions

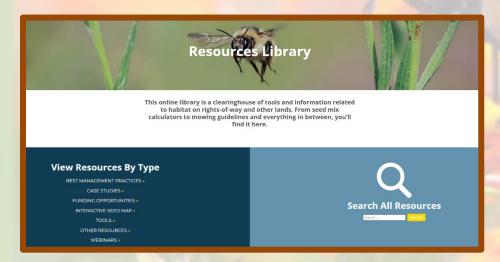
1. What are the threats to Monarchs associated with roads?



Monarch Questions

- 2. How are the District Biologists providing monitoring, tracking, and reporting?
- 3. Has there been training offered to District Maintenance to recognize and manage milkweed populations?
- 4. Are there training materials available, such as webinars?

https://rightofway.erc.uic.edu/resources/ https://rightofway.erc.uic.edu/webinars



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Monarch Questions

- 5. If Caltrans plants milkweed and it is removed, is Caltrans required to implement conservation measures?
- 6. What are the regulatory requirements for Districts not enrolled?

How and When does a District decide to enroll lands?

What is the District's discretionary authority where monarch conservation measures occur?

7. What are the next steps for Caltrans? When will the Implementation Plan be effective?



- Caltrans received its Certificate of Inclusion in December 2024. Enrolled Acres 36,653
- Implementation Plan is being drafted and identifying potential acres to adopt.
- Excluded impervious surfaces, medians, and the first 10-15' from edge of pavement.
- 2,932 acre adoption target w/ 5-year ramp-up option

Questions?

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THANK YOU!