

Appendix 2 – Target Alignment

California's Nature-Based Solutions (NBS) Climate Targets

4/22/2024

California's Nature-Based Solutions Climate Targets and Expert Advisory Committee Target Recommendations

State agencies are deeply grateful for the NBS target recommendations developed by the Expert Advisory Committee (EAC) established pursuant to AB 1757 to inform California's NBS climate targets.

Of California's 81 NBS climate targets, 47 broadly align with or exceed the EAC's target recommendations. All remaining 34 state targets simply do not have a corresponding EAC recommendation for a particular target year. See the table below for a side-by-side comparison. Determining the alignment between the State's NBS climate targets and the EAC's target recommendations entailed subjectivity. In several instances, targets or recommended targets were multi-faceted with different aspects being in varying levels of agreement. The chosen levels of alignment reflect our best efforts to distill an often complex and multi-pronged comparison. Additionally, seven targets recommended by the EAC centered on areas of focus out of scope with the state NBS climate targets, such as research, investment, and planning.

State agencies are also appreciative of the EAC's implementation pathway recommendations. Some of these pathways are reflected in agencies' proposed additional actions, and all are being considered as part of California's 2025 update to the Natural and Working Lands Climate Smart Strategy.

In 2024 discussions with the EAC, State agencies look forward to discussing the following:

- **Carbon Target** – how did the EAC calculate their recommended carbon target?
- **Carbon Removal vs Carbon Flux** – how does the EAC's target for carbon removal align with the scientific approach to calculating carbon neutrality and the natural flux of carbon on lands?
- **C vs CO2 vs CO2e** – did the calculations of GHG benefits across EAC recommendations use a consistent baseline?
- **Citations** – would it be possible for the EAC to provide more comprehensive citations?
- **Financial Target** – how did the EAC calculate the financial target?

Wildfire Risk Reduction

California's Nature Based Solution Climate Target

Beneficial Fire: 800k activity acres/yr (2030): Prescribed broadcast burning, cultural burning, and planned managed fire.

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 4: [...] By 2034, have shifted fuels management to be at least 50% via managed and prescribed fire.

Alignment:

NBS climate target is more ambitious than EAC target recommendation

California's Nature Based Solution Climate Target

Beneficial Fire: 1.2m activity acres/yr (2038): Prescribed broadcast burning, cultural burning, and planned managed fire.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Beneficial Fire: 1.5m activity acres/yr (2045): Prescribed broadcast burning, cultural burning, and planned managed fire.

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 4: [...] Maintain 2.5M acre fuels management goal, prioritizing up to 2M acres of mixed conifer annually for treatment across public and private lands and with an expansion of efforts in oak woodland areas as feasible. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Other Fuel Reduction Activities: 700k activity acres/yr (2030): Thinning, invasive species removal, prescribed herbivory, mechanical treatments (first entry and retreatments), and uneven-aged timber harvest.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Other Fuel Reduction Activities: 800k activity acres/yr (2038): Thinning, invasive species removal, prescribed herbivory, and mechanical treatments (first entry and retreatments), and uneven-aged timber harvest.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Other Fuel Reduction Activities: 1m activity acres/yr (2045): Thinning, invasive species removal, prescribed herbivory, and mechanical treatments (first entry and retreatments), and uneven-aged timber harvest.

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 4: [...] Maintain 2.5M acre fuels management goal, prioritizing up to 2M acres of mixed conifer annually for treatment across public and private lands and with an expansion of efforts in oak woodland areas as feasible. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

Forests

California's Nature Based Solution Climate Target

Afforestation (adding trees): 52.9k acres/yr (2030): Oak woodland re-establishment in areas where they historically were found

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species [...] Increase riparian restoration by at least double current acreages by 2030 [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Afforestation (adding trees): 52.9k acres/yr (2038): Oak woodland re-establishment in areas where they historically were found

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

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Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species and for desert or sparsely vegetate ecosystems. [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 55.1k acres/yr (2030):

- Conserve old growth forests to preserve the oldest trees
- Conserve conifer, riparian, and oak woodland forests

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species and for desert or sparsely vegetate ecosystems [...] Conserve [...] the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats [...]

Alignment:

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Alignment:

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Related Expert Advisory Committee Target Recommendations

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Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 322.1k acres/yr (2030):

- Post high severity fire reforestation and restoration
- Restore health of degraded oak woodlands including enhancing riparian zones

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Cvegetatedion Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits,

particularly for Oak species and for desert or sparsely vegetated ecosystems. Increase riparian restoration by at least double current acreages by 2030. [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 462.1k acres/yr (2038):

- Post high severity fire reforestation and restoration
- Restore health of degraded oak woodlands including enhancing riparian zones

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species and for desert or sparsely vegetate ecosystems. [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 322.1k acres/yr (2045):

- Post high severity fire reforestation and restoration
- Restore health of degraded oak woodlands including enhancing riparian zones

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 2, 3: Accelerate WCB CA Riparian Habitat Conservation Program to at least 2,000 acres/year target of riparian habitat, prioritizing regionally appropriate projects that focus on functional elements of riparian forest can include cobenefits, particularly for Oak species and for desert or sparsely vegetate ecosystems. [...] restore the following oak woodland types and geographies: mixed-Oregon White Oak (*Quercus garryana*) and California black oak (*Q. Kelloggii*) - particularly in northwestern CA; Blue Oak/Blue Oak Pine habitats; replanting or "re-oaking" in Los Angeles/San Diego/Riverside/Orange counties.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Working Forests Conservation: 165.2k/yr (2030):

- Extend harvest rotation lengths
- Shift intensity of harvests
- Restore and/or conserve wildlife habitat

Related Expert Advisory Committee Target Recommendations

"The Expert Advisory Committee did not recommend a target for this NBS for this year but recommended a target for this NBS for 2034.

FOREST TARGET 1: Increase carbon sequestration by at least 150-250 MMT CO₂e by conserving 1-3 M acres of privately-owned managed conifer forest with working forest conservation easements by 2034, with priority for integration with fuels management and other forest restoration. These easements should extend the average age of intensively managed forests (exclusive of Water and Lake Protection Zones), reduce salvage intensity, and promote larger older, more wellspaced stands with a natural diversity of species (using the state's Wildlife Habitat Relationships (WHR) classifications). The priority area for focus are those source watersheds supplying most of California's water for agriculture, drinking and environmental water, those most likely to remain most productive under climate change and those most critical for biodiversity protection.

Alignment:

NBS climate target is in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Working Forests Conservation: 162.5k/yr (2038):

- Extend harvest rotation lengths
- Shift intensity of harvests
- Restore and/or conserve wildlife habitat

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Working Forests Conservation: 162.5k/yr (2045):

- Extend harvest rotation lengths
- Shift intensity of harvests
- Restore and/or conserve wildlife habitat

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Decrease the rate of illegal conversion and forest degradation by 20% by 2030.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Decrease the rate of illegal conversion and forest degradation by 50% by 2038.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Decrease the rate of illegal conversion and forest degradation by 90% by 2045.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Through beneficial fire and other fuel reduction activities, shift the proportion of high severity wildfire to low or moderate severity wildfire such that the total percentage of low to moderate severity wildfire is 75% by 2030.

Related Expert Advisory Committee Target Recommendations

FOREST TARGET 4: By 2034, advance fire management to shift at least 75% of landscape fires to beneficial ecological and social outcomes across state. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Through beneficial fire and other fuel reduction activities, shift the proportion of high severity wildfire to low or moderate severity wildfire such that the total percentage of low to moderate severity wildfire is 83% by 2038.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Through beneficial fire and other fuel reduction activities, shift the proportion of high severity wildfire to low or moderate severity wildfire such that the total percentage of low to moderate severity wildfire is 90% by 2045.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

Shrublands and Chaparral

California's Nature Based Solution Climate Target

Conservation: 104.6k acres/yr (2030): Conserve chaparral and shrublands, with a focus on old growth and undeveloped areas

Related Expert Advisory Committee Target Recommendations

SHRUBLANDS/CHAPARRAL TARGET 2: Pursue conservation and restoration of a minimum of 30x30 for each declining shrubland ecosystem type, based on the best available climate-change science, and pursue smart growth that minimizes development impacts to shrublands.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 104.6k acres/yr (2038): Conserve chaparral and shrublands, with a focus on old growth and undeveloped areas

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 104.6k acres/yr (2045): Conserve chaparral and shrublands, with a focus on old growth and undeveloped areas

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 37k acres/yr (2030): Restore chaparral and shrublands, with a focus on addressing threats from invasive species and fire; post-disturbance restoration; transitional zones; enhancing native vegetation; and re-establishing wildlife connectivity

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 40k acres/yr (2038): Restore chaparral and shrublands, with a focus on addressing threats from invasive species and fire; post-disturbance restoration; transitional zones; enhancing native vegetation; and re-establishing wildlife connectivity

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 45k acres/yr (2045): Restore chaparral and shrublands, with a focus on addressing threats from invasive species and fire; post-disturbance restoration; transitional zones; enhancing native vegetation; and re-establishing wildlife connectivity

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

Grasslands

California's Nature Based Solution Climate Target

Conservation: 33k acres/yr (2030): Protect grasslands with a focus on remaining native grasslands, oak trees, and foothill pines

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

GRASSLANDS TARGET 1: Reduce the annual conversion rate of grasslands by 75%.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 33k acres/yr (2038): Protect grasslands with a focus on remaining native grasslands, oak trees, and foothill pines

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

GRASSLANDS TARGET 1: Reduce the annual conversion rate of grasslands by 75%.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 33k acres/yr (2045): Protect grasslands with a focus on remaining native grasslands, oak trees, and foothill pines

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

GRASSLANDS TARGET 1: Reduce the annual conversion rate of grasslands by 75%.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2030): Restore degraded grasslands to native vegetation communities and diverse, perennial, deep-rooted grasses; soil amendments and prescribed grazing in line with the NWL Climate Smart Strategy; re-establishing a sustainable fire regime; riparian restoration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2038): Restore degraded grasslands to native vegetation communities and diverse, perennial, deep-rooted grasses; soil amendments and prescribed grazing in line with the NWL Climate Smart Strategy; re-establishing a sustainable fire regime; riparian restoration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2045): Restore degraded grasslands to native vegetation communities and diverse, perennial, deep-rooted grasses; soil amendments and prescribed grazing in line with the NWL Climate Smart Strategy; re-establishing a sustainable fire regime; riparian restoration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

Croplands

California's Nature Based Solution Climate Target

Healthy Soils Practices: 140k acres/yr (2030): Implement healthy soils practices on annual and perennial croplands, such as compost application, cover cropping, hedgerows/windbreaks, no and reduced till, riparian buffers, whole orchard recycling, etc.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years

AGRICULTURE TARGET 5: Increase access to soil building practices, and continue investment in integrated fertilizer, irrigation, and soil fertility management practices to reduce N₂O emissions and build soil organic carbon.

Alignment:

NBS climate target is in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Healthy Soils Practices: 190k acres/yr (2038): Implement healthy soils practices on annual and perennial croplands, such as compost application, cover cropping,

hedgerows/windbreaks, no and reduced till, riparian buffers, whole orchard recycling, etc.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years. Additionally, the Expert Advisory Committee recommended a related target for 2040, which is included here.

AGRICULTURE TARGET 5, 3: Increase access to soil building practices, and continue investment in integrated fertilizer, irrigation, and soil fertility management practices to reduce N₂O emissions and build soil organic carbon. Expand farm-edge diversification (100% of California's 381,000 acres of farm edges by 2040) to support innovation and utilization of liminal spaces in farming systems, which all offer increases in landscape C storage and ecosystem services. Benefits of this diversification include cooler water in riparian areas, reduced flooding and loss of nutrients from the farm to freshwater, beneficial increases in habitat, resilience of small-scale farming endeavors, and standing aboveground C and soil C on farm edges. Hedgerows also offer windbreaks and beneficial insectaries.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Healthy Soils Practices: 190k acres/yr (2045): Implement healthy soils practices on annual and perennial croplands, such as compost application, cover cropping, hedgerows/windbreaks, no and reduced till, riparian buffers, whole orchard recycling, etc.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

AGRICULTURE TARGET 5: Increase access to soil building practices, and continue investment in integrated fertilizer, irrigation, and soil fertility management practices to reduce N₂O emissions and build soil organic carbon.

Alignment:

NBS climate target is in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 12k acres/yr (2030): Conserve annual and perennial croplands

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 16k acres/yr (2038): Conserve annual and perennial croplands

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 19.5k acres/yr (2045): Conserve annual and perennial croplands

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year, but recommended a target for this NBS for 2050, which is included here.

AGRICULTURE TARGET 2: Protect farmland and avoid conversion out of agriculture to maintain C stocks, enhance environmental benefits, and facilitate Just Transitions for communities in agricultural regions. By 2050 move 100% of CA farmland into equilibrium status, where all losses due to land fallowing or urban development result in rehabilitation to a more climate-resilient ecosystem category, in the case of the former, or reclamation of unused urban space for agricultural or park utilization, in the case of the latter.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Convert conventional to organic systems in annual and perennial croplands - 10% by 2030

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Convert conventional to organic systems in annual and perennial croplands - 15% by 2038

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Convert conventional to organic systems in annual and perennial croplands - 20% by 2045

Related Expert Advisory Committee Target Recommendations

AGRICULTURE TARGET 4: Expand opportunity for organic agriculture to 100% of farming operations and 20% of statewide farming acres by 2045.

Alignment:

NBS climate target is more ambitious than EAC target recommendation

Developed Lands

California's Nature Based Solution Climate Target

Afforestation (adding trees) between communities and croplands: 133 acres/yr (2030):
Establish tree line buffers between croplands and communities to reduce chemical exposure and enhance access to green space

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Afforestation (adding trees) between communities and croplands: 185 acres/yr (2038):
Establish tree line buffers between croplands and communities to reduce chemical exposure and enhance access to green space

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Afforestation (adding trees) between communities and croplands: 230 acres/yr (2045):
Establish tree line buffers between croplands and communities to reduce chemical exposure and enhance access to green space

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 17.3k acres/yr (2030): Protect existing urban tree cover

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 17.3k acres/yr (2038): Protect existing urban tree cover

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 17.3k acres/yr (2045): Protect existing urban tree cover

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Urban and Community Greening and Forestry: 34.7k acres/yr (2030):

- Increase tree canopy cover in cities, communities, and schoolyards
- Establish drought-tolerant vegetation, remove grass yards
- Increase green space, such as parks, gardens, schoolyards, greenways/greenbelts, street trees, green roofs, rain gardens, etc.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Urban and Community Greening and Forestry: 34.7k acres/yr (2038):

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- Establish drought-tolerant vegetation, remove grass yards
- Increase green space, such as parks, gardens, schoolyards, greenways/greenbelts, street trees, green roofs, rain gardens, etc.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Reducing Community Wildfire Risk: 11k acres/yr (2030): Defensible space establishment on properties in the wildland urban interface area

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years. Additionally, the Expert Advisory Committee provided a target for 2034, which is included here.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

DEVELOPED LANDS TARGET 4: Achieve full compliance to WUI defensible space within 10 years.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Reducing Community Wildfire Risk: 11k acres/yr (2038): Defensible space establishment on properties in the wildland urban interface area

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Reducing Community Wildfire Risk: 11k acres/yr (2045): Defensible space establishment on properties in the wildland urban interface area

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Decrease wildfire ignition incidents caused by vehicles - 10% by 2030

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years. Additionally, the Expert Advisory Committee provided a target for 2034, which is included here.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

DEVELOPED LANDS TARGET 4: Achieve full compliance to WUI defensible space within 10 years.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Decrease wildfire ignition incidents caused by vehicles - 20% by 2038

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Decrease wildfire ignition incidents caused by vehicles - 30% by 2045.

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Treat priority roads that function as primary evacuation routes - 50% by 2030

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years. Additionally, the Expert Advisory Committee provided a target for 2034, which is included here.

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

DEVELOPED LANDS TARGET 4: Achieve full compliance to WUI defensible space within 10 years.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Treat priority roads that function as primary evacuation routes - 70% by 2038

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Treat priority roads that function as primary evacuation routes - 100% by 2045

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years

SHRUBLANDS & CHAPARRAL TARGET 1: Address fire threats to shrubland ecosystems and adjacent human communities through developing and expanding fire ignition prevention programs that prioritize the largest sources of ignitions, as well as through home and community hardening. Education and funding should be provided (especially for low-income people in vulnerable communities) to retrofit homes/structures to make them more fire safe and to conduct defensible space training.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Urban and Community Greening and Forestry: 200k trees planted/year (2030): Increase large canopied, drought-tolerant trees meaningful to the community; prioritize communities with low tree canopy

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Urban and Community Greening and Forestry: 200k trees planted/year (2038): Increase large canopied, drought-tolerant trees meaningful to the community; prioritize communities with low tree canopy

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

California's Nature Based Solution Climate Target

Urban and Community Greening and Forestry: 200k trees planted/year (2045): Increase large canopied, drought-tolerant trees meaningful to the community; prioritize communities with low tree canopy

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not recommend a target for this NBS for this year.

Alignment:

NBS climate target does not have a corresponding EAC target recommendation

Wetlands and Seagrasses

California's Nature Based Solution Climate Target

Conservation: 1.3k acres/yr (2030): Conserve coastal wetlands, seagrass beds, Delta wetlands, and mountain meadow wetlands

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 2: Prioritize conservation [...] approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 1.3k acres/yr (2038): Conserve coastal wetlands, seagrass beds, Delta wetlands, and mountain meadow wetlands

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 2: Prioritize conservation [...] approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 1.3k acres/yr (2045): Conserve coastal wetlands, seagrass beds, Delta wetlands, and mountain meadow wetlands

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 2: Prioritize conservation [...] approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits. [...]

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 9.2k acres/yr (2030):

- Restore and/or re-establish coastal wetlands, including through beneficial reuse of sediment
- Restore and/or re-establish seagrass beds, with a focus on eelgrass meadows
- Restore Delta wetlands, including through re-establishing brackish and freshwater tidal wetlands on previously drained or seasonal wetlands, and rewetting deeply subsided areas through the creation of non-tidal managed wetlands or rice cultivation.
- Restore and/or rewet previously drained San Francisco Bay wetlands.
- Restore mountain meadow wetlands through restoring proper hydrologic flow, removing conifer encroachment, and/or beaver reintroduction.

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 1, 2: [...]

- Target the restoration of 300 acres of eelgrass in San Francisco Bay by 2030 [...] Similar acreage targets for 2038 and 2045 should be developed by 2030 for other regions, once progress has been made on recommendation #3; regions holding a significant proportion of the State's eelgrass should be prioritized. [...]

Prioritize [...] restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people: [...]

- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).

Alignment:

NBS climate target is more ambitious than EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 9.2k acres/yr (2038):

- Restore and/or re-establish coastal wetlands, including through beneficial reuse of sediment
- Restore and/or re-establish seagrass beds, with a focus on eelgrass meadows

- Restore Delta wetlands, including through re-establishing brackish and freshwater tidal wetlands on previously drained or seasonal wetlands, and rewetting deeply subsided areas through the creation of non-tidal managed wetlands or rice cultivation.
- Restore and/or rewet previously drained San Francisco Bay wetlands.
- Restore mountain meadow wetlands through restoring proper hydrologic flow, removing conifer encroachment, and/or beaver reintroduction.

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 1, 2: [...]

- Target the restoration of [...] eelgrass in San Francisco Bay [...] 3,000 acres by 2038 [...]

Prioritize [...] restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people. [...]

- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).

Alignment:

NBS climate target is more ambitious than EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 9.2k acres/yr (2045):

- Restore and/or re-establish coastal wetlands, including through beneficial reuse of sediment
- Restore and/or re-establish seagrass beds, with a focus on eelgrass meadows
- Restore Delta wetlands, including through re-establishing brackish and freshwater tidal wetlands on previously drained or seasonal wetlands, and rewetting deeply subsided areas through the creation of non-tidal managed wetlands or rice cultivation.
- Restore and/or rewet previously drained San Francisco Bay wetlands.
- Restore mountain meadow wetlands through restoring proper hydrologic flow, removing conifer encroachment, and/or beaver reintroduction.

Related Expert Advisory Committee Target Recommendations

WETLANDS TARGET 1, 2, and not numbered: [...]

- The current target for the Delta and Suisun Marsh should be increased to 32,500 acres of tidal habitat restoration, and 50,000 acres of managed wetlands and rice cultivation by 2045.
- Target the restoration of 20,000 acres of tidal wetlands in San Francisco Bay by 2045. Although specific acreage targets are not immediately available for the rest of the state, we recommend restoration to increase tidal wetlands by 20% in

2045 across coastal California, with the need for more focused regional plans to develop specific acreage targets for tidal wetlands in each region and update targets based on future regional plans. [...]

Prioritize [...] restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people: [...]

- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).
- Ideally, 100% of meadows in all mountainous areas should be restored or in a state of restoration by 2050 to increase water security for Californians and habitat for wildlife.

Alignment:

NBS climate target is in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Sea level rise protection of ecosystems: 1.7k acres/yr (2030): Restore coastal wetlands in a manner that enables them to keep pace with sea-level rise, including conserving upland space needed for wetland migration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

WETLANDS TARGET 2: Prioritize conservation and restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits.
- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Sea level rise protection of ecosystems: 1.7k acres/yr (2038): Restore coastal wetlands in a manner that enables them to keep pace with sea-level rise, including conserving upland space needed for wetland migration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

WETLANDS TARGET 2: Prioritize conservation and restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits.
- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Sea level rise protection of ecosystems: 1.7k acres/yr (2045): Restore coastal wetlands in a manner that enables them to keep pace with sea-level rise, including conserving upland space needed for wetland migration

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

WETLANDS TARGET 2: Prioritize conservation and restoration approaches that preserve and maximize existing carbon stocks and other wetlands ecosystem benefits for nature and people:

- Conservation of least-disturbed wetlands of all types across the state should be a priority given that these systems have the potential to greatly reduce carbon emission and/or sustain on-going carbon sequestration, while ensuring persistence of other, difficult-to-regain ecosystem benefits.

- Use restoration approaches that maximize carbon sequestration benefits (bearing in mind social risks and other ecosystem benefits) such as tidal reconnection, rewetting, and beneficial use of dredge sediment. Projects should also consider approaches that lead to diverse wetland and estuarine landscapes (e.g., restoration of both seagrass and neighboring tidal wetlands).
- Use restoration approaches that address long-term resilience to future anthropogenic and climate stressors (e.g., targeting conservation of areas that will provide migration space for sea-level rise impacts to coastal ecosystems).

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

Sparsely Vegetated Lands

California's Nature Based Solution Climate Target

Conservation: 20k acres/yr (2030): Conserve lands to prevent conversion and/or disturbance

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended targets. These recommended targets are thus carried across all target years.

DESERTS TARGET 1,2,3: Aligned with the 2022 Scoping Plan, in order to prioritize short-term carbon stocks, the recommendation is to minimize disturbances (e.g., disruption of topsoil) for sparsely vegetated habitats, the priority action is for no further land conversion aside from the estimated 2,600 acres/per year associated with city-related growth and within perimeters of existing municipal jurisdictions. Land conversion occurring outside of the estimated city growth (e.g., new development) is not recommended. If certain land conversion is necessary, appropriate carbon sequestration mitigation, and in addition to prioritization for water, biodiversity and habitat conservation, adequate for timescales relative to desert ecosystems, is required (e.g., carbon credits, restoration, etc.). We recommend accelerating the 2022 Scoping plan conservation recommendation of 15,000 acres per year to a minimum of 15,000 acres per year, and a maximum feasible acreage beyond this amount.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 30k acres/yr (2038): Conserve lands to prevent conversion and/or disturbance

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended targets. These recommended targets are thus carried across all target years.

DESERTS TARGET 1,2,3: Aligned with the 2022 Scoping Plan, in order to prioritize short-term carbon stocks, the recommendation is to minimize disturbances (e.g., disruption of topsoil) for sparsely vegetated habitats, the priority action is for no further land conversion aside from the estimated 2,600 acres/per year associated with city-related growth and within perimeters of existing municipal jurisdictions. Land conversion occurring outside of the estimated city growth (e.g., new development) is not recommended. If certain land conversion is necessary, appropriate carbon sequestration mitigation, and in addition to prioritization for water, biodiversity and habitat conservation, adequate for timescales relative to desert ecosystems, is required (e.g., carbon credits, restoration, etc.). We recommend accelerating the 2022 Scoping plan conservation recommendation of 15,000 acres per year to a minimum of 15,000 acres per year, and a maximum feasible acreage beyond this amount.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Conservation: 40k acres/yr (2045): Conserve lands to prevent conversion and/or disturbance

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended targets. These recommended targets are thus carried across all target years.

DESERTS TARGET 1,2,3: Aligned with the 2022 Scoping Plan, in order to prioritize short-term carbon stocks, the recommendation is to minimize disturbances (e.g., disruption of topsoil) for sparsely vegetated habitats, the priority action is for no further land conversion aside from the estimated 2,600 acres/per year associated with city-related growth and within perimeters of existing municipal jurisdictions. Land conversion occurring outside of the estimated city growth (e.g., new development) is not recommended. If certain land conversion is necessary, appropriate carbon sequestration mitigation, and in addition to prioritization for water, biodiversity and habitat conservation, adequate for timescales relative to desert ecosystems, is required (e.g., carbon credits, restoration, etc.). We recommend accelerating the 2022 Scoping plan conservation recommendation of 15,000 acres per year to a minimum of 15,000 acres per year, and a maximum feasible acreage beyond this amount.

Alignment:

NBS climate target is somewhat in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2030): Restore native vegetation on previously disturbed areas (or on those otherwise dominated by invasive species) including through invasive species removal and restoration of riparian zones

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

DESERTS TARGET 4: Restoration activities should be targeted toward invasive species removal (e.g., Tamarisk and other species) and restoration of riparian zones in order to prioritize short and long term carbon stocks and important co-benefits for water conservation, biodiversity enhancement and ecosystem health.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2038): Restore native vegetation on previously disturbed areas (or on those otherwise dominated by invasive species) including through invasive species removal and restoration of riparian zones

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

DESERTS TARGET 4: Restoration activities should be targeted toward invasive species removal (e.g., Tamarisk and other species) and restoration of riparian zones in order to prioritize short and long term carbon stocks and important co-benefits for water conservation, biodiversity enhancement and ecosystem health.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation

California's Nature Based Solution Climate Target

Restoration: 55.1k acres/yr (2045): Restore native vegetation on previously disturbed areas (or on those otherwise dominated by invasive species) including through invasive species removal and restoration of riparian zones

Related Expert Advisory Committee Target Recommendations

The Expert Advisory Committee did not include a timeline for their recommended target. This recommended target is thus carried across all target years.

DESERTS TARGET 4: Restoration activities should be targeted toward invasive species removal (e.g., Tamarisk and other species) and restoration of riparian zones in order to prioritize short and long term carbon stocks and important co-benefits for water conservation, biodiversity enhancement and ecosystem health.

Alignment:

NBS climate target is mostly in alignment with EAC target recommendation