

Washington State Climate Resilience Strategy

Appendix D:
Action implementation and
summary table

Appendix D

This appendix presents a summary of each of the actions our agencies have proposed to implement the Climate Resilience Strategy. Additionally, this appendix highlights the proposed implementation pathway for each action: either using existing resources or requesting funding from the Governor and Legislature (decision package codes and capital projects numbers are listed for each of these actions).

The connected indicators, associated process metrics, and reporting timelines are also listed for each action. Please refer to the indicator reference guide at the end of this appendix to interpret the indicator codes listed under “Connected Indicators”.

* Treated as ongoing for estimating future funding request purposes only.

Action number	Action title	Lead agency	Decision package code or capital projects number	Duration	Two-year funding request (2025 -2027 biennium)	Four-year funding request (2025-2027 and 2027-2029 biennia)	Connected indicators	Associated process metrics	Metric reporting frequency
1A	Establish a group that coordinates and implements the state’s resilience strategy and its associated funding requests	Interagency action led by Ecology	Operating: BV Implementing Climate Resilience, Policy, 004	Ongoing	\$1,158,000	\$2,316,000	GOV O.1, GOV O.2, GOV O.3	N/A	N/A
2A	Saving lives from extreme heat in Washington state	Interagency action led by Health	Operating: CA Climate Resilience Adaptation, Policy, 029	Ongoing	\$799,022	\$1,590,146	GOV P.5; COM O.1, INF O.2	<ul style="list-style-type: none"> Number of projects implemented to reduce climate risks 	2 years
2B	Coordinate agency efforts to reduce wildfire smoke risks	Interagency action led by Health	Operating: CA Climate Resilience Adaptation, Policy, 029	Ongoing	\$383,851	\$763,752	GOV P.5, COM P.1; COM O.2	<ul style="list-style-type: none"> Number of FTEs working on climate resilience; Number of resilience policies, plans, or procedures that include interagency coordination Dollars distributed to address climate resilience Number of plans or assessments completed to understand and manage climate risks Number of projects implemented to reduce climate risks Number of new studies or monitoring programs developed to inform climate resilience decision making Number of collaborating partners 	2 years

Action number	Action title	Lead agency	Decision package code or capital projects number	Duration	Two-year funding request (2025 -2027 biennium)	Four-year funding request (2025-2027 and 2027-2029 biennia)	Connected indicators	Associated process metrics	Metric reporting frequency
2C	Wildfire risk reduction grants for the built environment in high fire risk jurisdictions	Emergency Management Division	N/A. Implemented with existing or ongoing resources.				COM P.2; COM O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience Number of plans or assessments completed to understand and manage climate risks Number of resources to support community climate resilience needs 	2 years
2D	Roadside wildfire hazard risk reduction	Transportation	N/A. Implemented with existing or ongoing resources.				INF P.1, INF P.3; INF O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of projects implemented to reduce climate risks 	2 years
2E	Post-fire recovery	Interagency action led by Natural Resources	Capital: 40000440 Operating: PW Post Wildland Fire Response, Policy, 001	Ongoing	\$4,177,000	\$5,000,000	GOV P.5; COM O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Dollars distributed to address climate resilience 	2 years
2F	An integrated approach for enhancing climate resilience by improving cross-agency pathogen and pest surveillance and prevention, management, and mitigation	Interagency action led by Health and Ecology	Health: Operating: CA Climate Resilience Adaptation, Policy, 029 Ecology: Operating: BZ Addressing Harmful Algae Blooms, Policy, 023	Ongoing	\$1,346,174	\$2,335,205	COM P.1, GOV P.5; COM O.1, COM O.2	<ul style="list-style-type: none"> Number of collaborating partners Number of FTEs working on climate resilience Number of resilience policies, plans, or procedures that include interagency coordination 	2 years
2G	Composting animal mortalities and waste to promote ecosystem resilience	Agriculture	Operating: LC Climate Livestock Composting, Policy, 008	Ongoing	\$1,722,830	\$3,080,660	GOV P.5; COM O.2	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of projects implemented to reduce climate risks 	2 years

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2H	Hazard analysis and planning program buildout	Emergency Management Division	N/A. Implemented with existing or ongoing resources.				COM P.2, GOV P.5; COM O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of FTEs working on climate resilience Number of resilience policies, plans, or procedures that include interagency coordination Number of plans or assessments completed to understand and manage climate risks 	2 years
2I	Data needs for community-level hazard mitigation	Interagency action led by Emergency Management Division	N/A. Implemented with existing or ongoing resources.				INF P.3, GOV P.5; GOV O.2	<ul style="list-style-type: none"> Number of resilience policies, plans, or procedures that include interagency coordination Number of collaborating partners 	2 years
2J	Emergency food security resilience and relief	Agriculture	Operating: FA Sustained Enhanced Food Assistance, Policy, 003	Ongoing	\$10,000,000	\$20,000,000	COM P.1, GOV P.5; COM O.1	<ul style="list-style-type: none"> Number of collaborating partners Number of resources to support community climate resilience needs 	2 years
2K	Climate scenario stress test of agency rules, policies, and codes	Interagency action led by Emergency Management Division	N/A. Implemented with existing or ongoing resources.				GOV P.5; COM O.2, GOV O.2	<ul style="list-style-type: none"> Number of people engaged Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
3A	Accelerate nature-based climate adaptation by improving regulatory efficiency	Ecology	Operating: CA Accelerating Floodplain Resilience, Policy, 008	Ongoing	\$1,122,000	\$2,244,000	COM P.2 GOV P.5; INF O.3	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of FTEs working on climate resilience Number of projects implemented to reduce climate risks Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years

Action number	Action title	Lead agency	Decision package code or capital projects number	Duration	Two-year funding request (2025 -2027 biennium)	Four-year funding request (2025-2027 and 2027-2029 biennia)	Connected indicators	Associated process metrics	Metric reporting frequency
3B	Support local governments in assessing vulnerability and planning for resilience	Ecology	Operating: BM Coastal Resilience Capacity Grants, Policy, 009 Operating: BE River Mapping for Salmon, Policy, 013 Operating: BQ Protecting Washington's Shorelines, Policy, 007	Ongoing	\$3,695,000	\$7,068,000	COM P.2 GOV P.5; COM O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Dollars distributed to address climate resilience Number of projects implemented to reduce climate risks Number of FTEs working on climate resilience Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
3C	Support local match for small impoverished communities	Emergency Management Division	N/A. Implemented with existing or ongoing resources.				COM P.2, GOV P.5; COM O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience Number of projects implemented to reduce climate risks 	2 years
3D	Community resilience to a changing climate	State Conservation Commission	Operating: A8 Forest Health and Community Wildfire, Policy, 007	Ongoing	\$5,000,000	\$10,000,000	N&WL P.3 GOV P.5 N&WL O.2 N&WL O.4 COM O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of projects implemented to reduce climate risks 	2 years
3E	Catalyzing community climate resilience hubs	Interagency action led by Commerce	Operating: E5 Climate Resilience Strategy Imp, Policy, 038	Ongoing	\$1,736,196	\$3,269,699	COM P.1 COM P.2 COM P.3 INF P.4 GOV P.5; COM O.1	<ul style="list-style-type: none"> Number of collaborating partners Number of projects implemented to reduce climate risks Dollars distributed to address climate resilience Number of people engaged Number of resources to support community climate resilience needs Number of resilience policies, plans, or procedures that include interagency coordination 	2 years

Action number	Action title	Lead agency	Decision package code or capital projects number	Duration	Two-year funding request (2025 -2027 biennium)	Four-year funding request (2025-2027 and 2027-2029 biennia)	Connected indicators	Associated process metrics	Metric reporting frequency
4A	Agricultural viability and farmland preservation	State Conservation Commission	Capital: 40000044 Operating: A5 Disaster Assistance Program, Policy, 004	Onetime (Capital), Ongoing (Operating)	\$4,800,000	\$9,600,000	N&WL P.1 N&WL P.2; N&WL O.4	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of projects implemented to reduce climate risks 	2 years
4B	Supporting private landowners to provide public benefit	Agriculture	N/A. Implemented with existing or ongoing resources.				COM P.2; N&WL O.4, N&WL O.5	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years
4B	Supporting private landowners to provide public benefit	State Conservation Commission	Capital: 40000046, 40000047, 40000048, 40000049 Operating: P4 Riparian Plant Propagation Program, Policy 003 Operating: A9 Sustainable Farms and Fields, Policy, 008 Operating: A6 Voluntary Stewardship Program, Policy, 005	Ongoing	\$70,100,000	\$140,200,000	N&WL P.3; N&WL O.2 N&WL O.3 N&WL O.4	<ul style="list-style-type: none"> Dollars distributed to address climate resilience Number of resources to support community climate resilience needs 	2 years
4C	Climate resilience research, tools, and on the ground support for Washington agriculture.	Agriculture	Operating: AC Agricultural Climate Resilience, Policy, 007 Operating: DL Growing Diverse Leaders Part 2, Policy 005	Ongoing	\$9,372,172	\$17,944,344	N&WL P.1, N&WL P.2, N&WL P.3; N&WL O.5, N&WL O.4, COM O.3	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years

Action number	Action title	Lead agency	Decision package code or capital projects number	Duration	Two-year funding request (2025 -2027 biennium)	Four-year funding request (2025-2027 and 2027-2029 biennia)	Connected indicators	Associated process metrics	Metric reporting frequency
4C	Climate resilience research, tools, and on the ground support for Washington agriculture.	State Conservation Commission	Operating: P1 Conservation Technical Assistance, Policy, 000 Operating: A3 Integrated Science Hub for Agriculture, 002	Ongoing	\$25,000,000	\$50,000,000	N&WL P.3; N&WL O.2	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs 	2 years
4D	Economically viable uses for biomass generated by forest and rangeland wildfire mitigation projects	Commerce	N/A. Implemented with existing or ongoing resources.				GOV P.5; N&WL P.3 N&WL P.1; N&WL O.5	<ul style="list-style-type: none"> Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance Number of collaborating partners Number of projects implemented to reduce climate risks Dollars distributed to address climate resilience Number of new studies or monitoring programs developed to inform climate resilience decision making Number of plans or assessments completed to understand and manage climate risks 	2 years
5A	Expand wood stove replacement grants	Ecology	Capital: 40000652	Ongoing*	\$4,164,000	\$8,328,000	GOV P.5; COM O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years
5B	Puget Sound nutrient reduction grant program	Ecology	Capital: 40000720	Ongoing*	\$30,000,000	\$63,000,000	N&WL P.3; N&WL O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years
5C	Riparian buffer incentive program	Ecology	Capital: 40000673	Ongoing*	\$30,000,000	\$60,750,000	N&WL P.3; N&WL O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years

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6A	Local drought preparedness planning	Ecology	Operating: CF Drought Planning & Preparedness, Policy, 011	Ongoing	\$2,000,000	\$4,000,000	N&WL P.3; N&WL O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years
6B	Walla Walla Water 2050 strategic plan implementation	Ecology	Capital: 40000681	Ongoing*	\$57,500,000	\$116,437,500	GOV P.5; N&WL O.1, N&WL O.3	<ul style="list-style-type: none"> Number of projects implemented to reduce climate risks Dollars distributed to address climate resilience Number of new studies or monitoring programs developed to inform climate resilience decision making Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
6C	Increasing WDFW's drought coordination capacity	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$362,000	\$724,000	GOV P.5; N&WL O.1	<ul style="list-style-type: none"> Number of FTEs working on climate resilience Number of resilience policies, plans, or procedures that include interagency coordination 	2 years
6D	Reclaimed water rule amendment to address streamflow impacts	Ecology	Operating: BX Water Resources & Climate Resilience, Policy, 015	Onetime	\$1,895,025	\$2,807,025	GOV P.5; N&WL O.1	<ul style="list-style-type: none"> Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
6E	Drinking water system resilience	Health	N/A. Implemented with existing or ongoing resources.				INF P.2 INF P.3 GOV P.5; INF O.1 COM O.2	<ul style="list-style-type: none"> Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance Number of resilience policies, plans, or procedures that include interagency coordination Number of collaborating partners 	2 years
6F	Irrigation efficiencies, improved monitoring and management of water use	Agriculture	N/A. Implemented with existing or ongoing resources.				N&WL P.3 GOV P.5; N&WL O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs; Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years

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6F	Irrigation efficiencies, improved monitoring and management of water use	Ecology	Operating: BW Water Management and Compliance, Policy, 014	Ongoing	\$703,000	\$1,406,000	INF P.4; GOV P.5; N&WL O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of FTEs working on climate resilience Number of projects implemented to reduce climate risks Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years
6F	Irrigation efficiencies, improved monitoring and management of water use	State Conservation Commission	Capital: 40000045	Ongoing*	\$27,000,000	\$54,000,000	N&WL P.3; N&WL O.1	<ul style="list-style-type: none"> Dollars distributed to address climate resilience 	2 years
6G	Aggregate and analyze water data and communicate information on water supply, managed aquifer recharge projects, and groundwater	Interagency action led by Ecology and Fish and Wildlife	Ecology: Operating: BX Water Resources & Climate Resilience, Policy, 015 WDFW: Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Onetime	See action 6D for Ecology decision package details WDFW Request: \$530,000	See action 6D for Ecology decision package details WDFW Request: \$530,000	N&WL P.1; N&WL O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years
6H	Data sharing to support water management	Interagency action led by Ecology	Operating: BX Water Resources & Climate Resilience, Policy, 015	Onetime	See action 6D for decision package details	See action 6D for decision package details	GOV P.5; N&WL O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years
7A	Interagency coordination on improving the resilience of state-owned physical assets	Interagency action, coordinated through Governance Structure	Implemented through Action 1A				INF P.1; INF O.1, INF O.2, COM O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years

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7A	Interagency coordination on improving the resilience of state-owned physical assets	Transportation	N/A. Implemented with existing or ongoing resources.					<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years
7A	Interagency coordination on improving the resilience of state-owned physical assets	Corrections	Capital: 40000516	Ongoing*	\$22,500,000	\$48,000,000	INF P.1, COM P.3; INF O.1, COM O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
7A	Interagency coordination on improving the resilience of state-owned physical assets	Corrections	Operating: 8Z Regulatory Compliance, Maintenance, 007	Onetime	\$500,000	\$500,000	INF P.1; INF O.1, INF O.2	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years
7B	Energy climate resilience and infrastructure security	Commerce	Operating: E5 Climate Resilience Strategy Imp, Policy, 038	Ongoing	\$1,440,574	\$2,593,885	GOV P.5; INF O.1	<ul style="list-style-type: none"> Number of collaborating partners Number of FTEs working on climate resilience Number of resilience policies, plans, or procedures that include interagency coordination Number of people engaged Number of new studies or monitoring programs; developed to inform climate resilience decision making Number of resources to support community climate resilience needs Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
7C	Incorporating climate projections into stormwater modeling	Ecology	N/A. Implemented with existing or ongoing resources.				INF P.2; N&WL O.1	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years

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7D	Climate resilient guidance for state capital and transportation programs	Interagency action led by Commerce	N/A. Implemented with existing or ongoing resources.				INF P.2 INF P.3 INF P.4; INF O.1	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance Number of resilience policies, plans, or procedures that include interagency coordination Number of projects implemented to reduce climate risks Number of collaborating partners Dollars distributed to address climate resilience 	2 years
7E	Cascadia Program: A resilient multimodal Interstate 5 corridor	Transportation	N/A. Implemented with existing or ongoing resources.				INF P.1; INF O.2	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks 	2 years
7F	Transportation resilience improvement plan	Transportation	N/A. Implemented with existing or ongoing resources.				INF P.1 INF P.2 COM O.2 INF O.1	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years
8A	Incorporating climate considerations into WDFW guidance updates	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$432,000	\$864,000	N&WL P.3 INF P.2 GOV P.5 N&WL O.2, INF O.1	<ul style="list-style-type: none"> Number of resources to support community climate resilience needs Number of new studies or monitoring programs developed to inform climate resilience decision making Number of FTEs working on climate resilience Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years

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8B	Enhance WDFW's Puget Sound marine fish monitoring and forage fish resilience	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$2,733,000	\$5,365,000	N&WL P.1 GOV P.5; N&WL O.2, N&WL O.5	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
8C	Climate enhanced fisheries management	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Onetime	\$916,000	\$1,832,000	N&WL P.1; N&WL O.2	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making 	2 years
8D	WDFW hatcheries and climate change impacts	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$912,000	\$1,464,000	N&WL P.1 GOV P.5 N&WL O.2	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of FTEs working on climate resilience Number of projects implemented to reduce climate risks 	2 years
8E	Toutle salmon reintroduction	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$520,000	\$1,040,000	N&WL P.2; N&WL O.2	<ul style="list-style-type: none"> Number of projects implemented to reduce climate risks 	2 years
8F	Statewide kelp forest and eelgrass meadow health and conservation plan implementation	Natural Resources	N/A. Implemented with existing or ongoing resources.				N&WL P.2 N&WL P.3; N&WL O.2	<ul style="list-style-type: none"> Number of projects implemented to reduce climate risks Number of collaborating partners 	2 years
8G	Fully fund the Puget Sound Acquisition and Restoration Program	Puget Sound Partnership	Capital: 30000415	Ongoing*	\$109,186,884	\$220,000,000	N&WL P.2 N&WL P.3; N&WL O.2	<ul style="list-style-type: none"> Number of projects implemented to reduce climate risks Dollars distributed to address climate resilience 	2 years
8H	Implement the regional chapter of the Puget Sound Salmon Recovery Plan	Puget Sound Partnership	N/A. Implemented with existing or ongoing resources.				N&WL P.2; N&WL O.2	<ul style="list-style-type: none"> Number of collaborating partners 	2 years

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8I	Interagency shrubsteppe resilience implementation	State Conservation Commission	Capital: 40000050	Ongoing*	\$5,000,000	\$10,000,000	N&WL P.2 GOV P.5; N&WL O.2	<ul style="list-style-type: none"> Number of people engaged Number of projects implemented to reduce climate risks Number of resources to support community climate resilience needs 	2 years
8I	Interagency shrubsteppe resilience implementation	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Ongoing	\$266,000	\$532,000	N&WL P.1 GOV P.5; N&WL O.2	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making Number of resources to support community climate resilience needs Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
8J	Increasing habitat connectivity in Washington State	Fish and Wildlife	Operating: ER Reduce Emissions, Build Resilience, Policy, 026	Onetime	\$530,000	\$530,000	N&WL P.1 GOV P.5 N&WL O.2	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making Number of resources to support community climate resilience needs Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance 	2 years
8K	Forest health	Natural Resources	Capital: 40000153 Capital: 40000650 Operating: CT Climate Smart Forest Treatments, Policy, 009	Ongoing	\$9,730,400	\$14,000,800	N&WL P.1 N&WL P.2 N&WL P.3 COM O.3, N&WL O.2	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of collaborating partners Dollars distributed to address climate resilience Number of resources to support community climate resilience needs 	2 years
8L	Watershed Resilience Program	Natural Resources	Operating: WR Watershed Resilience Program, Policy, 010	Ongoing	\$1,765,000	\$3,530,000	GOV P.5; N&WL O.2	<ul style="list-style-type: none"> Dollars distributed to address climate resilience Number of collaborating partners 	2 years

Indicator reference guide

Use the tables below as a reference guide for the codes listed in the “Connected Indicators” column of Appendix D.

In addition to quantitative approaches, we will advance qualitative approaches to measuring progress for each indicator through case studies, surveys, and other methods. Additionally, metrics will be complemented by equity focused sub-metrics when appropriate (e.g. percentage of vulnerable populations and overburdened communities exposed to air quality that doesn’t meet healthy levels).

Outcome indicator metrics will be reported on every 4 years while Process and Capacity indicators will be reported on every 2 years.

We will adapt the measures as we learn more about them. We intentionally designed this approach to complement, but not reproduce, existing metrics and data our agencies already measure related to climate resilience (e.g. socio-economic and health disparities, human wellbeing, habitat loss, conservation, and greenhouse gas accounting).



Community goal indicators

Outcome Indicators

Indicator Code	Indicator	Metric(s)
COM 0.1	All communities are less exposed to, more prepared for, and able to recover from climate-related hazards in a way that reduces health disparities and systemic inequities.	<ul style="list-style-type: none"> Percentage of population exposed to air quality that doesn’t meet healthy levels Number of times fine particle pollution is measured above a “healthy” level Number of smoke related ED visits Number of heat related ED visits Number of people evacuated due to climate hazard related event (e.g. flood, fire) Number of jurisdictions that have a current climate vulnerability/adaptation plan <i>Additional metric(s) in development</i>
COM 0.2	Government services, especially public health systems, are prepared for climate impacts and provide continuity of services during extreme weather and emerging events.	<ul style="list-style-type: none"> Number of disruptions to government services due to extreme weather events
COM 0.3	Washington’s economy is thriving, and industries are adapting to a changing climate in a sustainable way.	<ul style="list-style-type: none"> <i>Metric(s) in development</i>

Process Indicators

Indicator Code	Indicator	Metric(s)
COM P.1	Resilience actions are implemented through enhanced collaboration with partners via appropriate pathways.	<ul style="list-style-type: none"> Number of collaborating partners Number of climate resilience projects implemented
COM P.2	Funding, technical assistance and information resources for climate resilience are provided by the state and used by communities.	<ul style="list-style-type: none"> Number of climate-resilience related grants distributed Number of new studies or monitoring programs developed to inform climate resilience decision making Number of resources to support community climate resilience needs
COM P.3	Resilience action by the state is responsive to the priorities of overburdened communities and vulnerable populations.	<ul style="list-style-type: none"> Number of people engaged Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance



Infrastructure goal indicators

Outcome Indicators

Indicator Code	Indicator	Metric(s)
INF 0.1	Risk to existing and new infrastructure from climate-related hazards is reduced.	<ul style="list-style-type: none"> Damage (in dollars) to state-owned infrastructure due to climate-related hazards Damage (in dollars) to community lifeline infrastructure due to climate-related hazards Number of projects funded to reduce risks to state-funded infrastructure
INF 0.2	Resilient infrastructure reliably and equitably serves all communities.	<ul style="list-style-type: none"> Number of service disruptions to community lifeline infrastructure due to climate-related hazards Number of climate-resilient infrastructure projects funded in overburdened communities
INF 0.3	Nature-based solutions are incorporated into infrastructure planning, modifications or removals when appropriate.	<ul style="list-style-type: none"> Number of climate risk reduction projects that incorporate nature-based solutions

Process Indicators

Indicator Code	Indicator	Metric(s)
INF P.1	Plans and assessments are completed to identify and reduce risks to vulnerable state-funded infrastructure.	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks
INF P.2	Planning and design standards are informed by up-to-date climate science.	<ul style="list-style-type: none"> Number of new studies or monitoring programs developed to inform climate resilience decision making Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance
INF P.3	State agencies are approaching infrastructure resilience in a consistent and systematic way.	<ul style="list-style-type: none"> Number of FTEs working on climate resilience Number of resilience policies, plans, or procedures that include interagency coordination Number of projects implemented to reduce climate risks Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance
INF P.4	State agencies support partners through funding and technical assistance to design, retrofit, and site infrastructure in ways that reduce climate risks.	<ul style="list-style-type: none"> Number of collaborating partners Dollars distributed to address climate resilience Number of resources to support community climate resilience needs



Natural and working lands goal indicators

Outcome Indicators

Indicator Code	Indicator	Metric(s)
N&WL 0.1	Sufficient high-quality water exists and is adaptively managed and enhanced.	<ul style="list-style-type: none"> Percentage of monitored stream flows below critical flow levels Statewide river and stream water quality index score <i>Additional metric(s) in development</i>
N&WL 0.2	Restored and resilient species and habitat exist and are connected across the landscape.	<ul style="list-style-type: none"> <i>Metric(s) in development</i>
N&WL 0.3	Ecosystem processes (e.g. floods, fire) are restored on natural lands sufficiently to accommodate changes in the climate and provide resilience to climate-related natural hazards.	<ul style="list-style-type: none"> <i>Metric(s) in development</i>
N&WL 0.4	Washington's agricultural heritage and farmlands are preserved, adaptively managed and enhanced.	<ul style="list-style-type: none"> <i>Metric(s) in development</i>
N&WL 0.5	Economic benefits derived from natural systems and working lands are adaptively managed and enhanced.	<ul style="list-style-type: none"> Revenue (in dollars) from industries that depend on natural systems and working lands

Outcome Indicators

Indicator Code	Indicator	Metric(s)
N&WL P.1	Plans and assessments are completed to increase resilience of natural systems and working lands.	<ul style="list-style-type: none"> Number of plans or assessments completed to understand and manage climate risks Number of new studies or monitoring programs developed to inform climate resilience decision making
N&WL P.2	Adaptation actions for natural systems and working lands are collaboratively implemented with partners via appropriate pathways.	<ul style="list-style-type: none"> Number of collaborating partners Number of resilience policies, plans, or procedures that include interagency coordination Number of projects implemented to reduce climate risks
N&WL P.3	State agencies enable capacity of partners to facilitate action implementation through funding and technical assistance.	<ul style="list-style-type: none"> Dollars distributed to address climate resilience Number of resources to support community climate resilience needs



Governance goal indicators

Outcome Indicators

Indicator Code	Indicator	Metric(s)
GOV O.1	Communities trust that the Washington state government is preparing for and adapting to climate change.	<ul style="list-style-type: none"> Satisfaction of residents surveyed
GOV O.2	The state's shared vision for climate resilience is supported through alignment of policies, programs, and decision-making among agencies.	<ul style="list-style-type: none"> Number of agency policies, programs, or processes modified to increase alignment
GOV O.3	A durable governance structure supports an efficient and lasting process to make Washington climate resilient.	<ul style="list-style-type: none"> Governance structure is authorized (Y/N) Percent of positions in governance structure filled Proportion of expected entities participating

Process Indicators

Indicator Code	Indicator	Metric(s)
GOV P.1	Adaptation strategies and actions are implemented through cross-agency coordination that ensures strategic alignment and collaboration across climate resilience goals.	<ul style="list-style-type: none"> Number of resilience policies, plans, or procedures that include interagency coordination
GOV P.2	The strategy is implemented through an adaptive management approach that includes reporting and evaluation.	<ul style="list-style-type: none"> Percent of agencies fulfilling reporting requirements
GOV P.3	Communities are engaged through ongoing collaboration in the implementation of the strategy.	<ul style="list-style-type: none"> Number of opportunities to engage communities <i>*This metric will be supported with qualitative measurement approaches</i>
GOV P.4	The strategy is implemented through direct government to government coordination, including consultation with Tribes when appropriate.	<ul style="list-style-type: none"> Number of opportunities to engage Tribes <i>*This metric will be supported with qualitative measurement approaches</i>

Indicator Code	Indicator	Metric(s)
GOV P.5	State agencies adaptively manage and address climate change risks, vulnerabilities, and impacts through their relevant mandates and programs and with partners.	<ul style="list-style-type: none"> • Number of collaborating partners • Number of FTEs working on climate resilience • Number of resilience policies, plans, or procedures that include interagency coordination • Number of plans or assessments completed to understand and manage climate risks • Number of projects implemented to reduce climate risks • Number of new studies or monitoring programs developed to inform climate resilience decision making • Number of resources to support community climate resilience needs • Number of relevant state policies and rules updated or created to incorporate climate considerations or guidance

Capacity Indicators

Indicator Code	Indicator	Metric(s)
GOV C.1	Funding and capacity are available to support state agencies throughout research, planning, implementation, monitoring, and evaluation of the climate change adaptation actions included in the strategy	<ul style="list-style-type: none"> • Percent of funding request received
GOV C.2	State agency staff are equipped with sufficient knowledge to understand baseline conditions, anticipate climate impacts, and respond to risks and vulnerabilities across communities, infrastructure, and natural and working lands.	<ul style="list-style-type: none"> • Number of new state studies or monitoring programs contributing to knowledge about baseline conditions and climate impacts