

# Attachment 4 Environment Element Evolution Spreadsheet

Element	Topic	Type	Policy No	Existing Environment Comprehensive Plan Policy	Environment Element New Policies
Environment	Environmental Protection, General	Goal	New		The health, wildlife and ecosystem services and functions provided by the City's natural environment are protected and enhanced, and potential hazards to citizen health, welfare and property are minimized.
Environment	Environmental Protection, General	Policy	6.1.1	Maintain and implement City Sensitive Areas Regulations that are consistent with the Best Available Science, as required by the Growth Management Act.	Incorporate and utilize applicable best available science for purposes of designating and protecting all regulated critical areas and anadromous fisheries that need "special consideration" for their conservation and protection.
Environment	Environmental Protection, General	Policy	6.1.2	In protecting and enhancing sensitive areas, incorporate the full spectrum of planning and regulatory measures including the comprehensive plan, shoreline master program, development regulations, stormwater management plans, project mitigation, and state and federal programs.	Protect Snoqualmie's environmental critical areas, habitat, and the natural environment through land use plans, surface water management plans and programs, comprehensive park plans, development regulations and site-specific project review and consultation with affected Tribes. <b>Vision 2050</b>
Environment	Environmental Protection, General	Policy	6.1.3	Strive to increase the number, size, diversity and value of wildlife habitat areas and promote, where appropriate, the coexistence of native plant communities and wildlife alongside other land uses.	Ensure the protection and recovery of ecosystems to provide healthy habitat and support fish, wildlife, and plant populations in a changing climate. This includes actively managing lands through controlling noxious weeds, restoring native vegetation, and monitoring project results.
Environment	Environmental Protection, General	Policy	6.1.4	Coordinate with other governmental agencies, adjacent communities, non-profit organizations and federally recognized Tribes to protect and enhance the environment through land use planning, fish and wildlife resource management, and by identifying and protecting habitat networks across jurisdictional boundaries.	Coordinate with governmental agencies, non-profit organizations and Tribes to protect and enhance the environment through countywide and watershed planning, fish and wildlife resource management, and habitat protection networks across jurisdictional boundaries.
Environment	Environmental Protection, General	Goal	New		<b>Establish and maintain relations Follow the principles of Free, Prior and Informed Consent with regard to Native American tribes for the preservation of archaeological sites and traditional cultural properties that are vulnerable to climate impacts.</b>
Environment	Environmental Protection, General	Policy	New		Actively manage city forest lands to decrease climate-exacerbated risks from severe wildfires, protect residents, and improve ecosystem health and habitat and encourage others to do so.
Environment	Environmental Protection, General	Policy	6.1.5	Locate open space areas to protect critical areas such as wetlands, landslide hazard and erosion-prone areas, and maintain such areas in their natural condition, including native vegetation preservation.	<b>Apply Best Available Science, including Traditional Ecological Knowledge, to protect critical areas, such as wetlands, landslide hazard and erosion-prone areas, and maintain these areas in their natural condition, including native vegetation preservation.</b>
Environment	Environmental Protection, General	Policy	6.1.6	Inventory and remove noxious weeds such as Scotchbroom, English Ivy, English Holly, knotweed, Himalayan Blackberry and other noxious weeds as identified by King County Noxious Weed Control Board from public properties and educate citizens on the importance of their removal on private property.	Control the spread of noxious weeds as identified by King County Noxious Weed Control Board from public properties, particularly in more fire-prone areas like roadsides and utility corridors and if possible educate citizens about the control of noxious weeds on private property.
Environment	Environmental Protection, General	New			Support integrated and interdisciplinary approaches for environmental planning and assessment. <b>Vision 2050</b>
Environment	Environmental Protection, General	New			Promote innovative and environmentally sensitive practices in site planning, design, materials selection, construction and maintenance. <b>Vision 2050</b>
Environment	Environmental Protection, General	New			Encourage environmental stewardship on private and public lands through partnerships and voluntary efforts that protect, restore and enhance the quality and functions of critical areas and associated buffers. <b>Vision 2050</b>
Environment	Environmental Protection, General	New			Support programs that ensure that all residents, regardless of race, social, or economic status, have clean air, clean water, and other elements of a healthy environment, and prioritize the reduction of impacts to vulnerable populations that have been disproportionately affected by climate change. <b>Vision 2050</b>
Environment	Climate Protection and Sustainable Development	Policy	6.2.1	Against a projected 2007 baseline, strive to reduce community greenhouse gas emissions 25% by 2020, 50% by 2030, and 80% by 2050.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.2	Develop and implement a Climate Action Plan that includes greenhouse gas emission programs such as incorporating GHG assessments in SEPA review; carbon storage in the urban forest; and the impacts of climate change on the City's hydrological systems.	Climate Planning Policies to be identified a new Climate Change Element

Environment	Climate Protection and Sustainable Development	Policy	6.2.3	Encourage lot layout and site design that allows for houses and other buildings to be oriented to optimize passive and active solar access and minimize shade on adjoining properties.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.4	Promote energy efficiency and renewable energy sources by such actions as demonstrating renewable energy at municipal buildings, supporting Northwest Energy Code energy efficiency improvements, and participating in energy-efficiency and conservation awareness programs.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.5	Support and implement the Mayor’s Climate Protection Agreement, the King-County Cities Climate Collaboration (K4C), and other multijurisdictional efforts to address climate change, sea-level rise, ocean acidification and other impacts from changing global conditions.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.6	Implement Best Management Practices to reduce the amount of air-borne particulates	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.7	Consider the purchase of alternative-fuel vehicles and charging stations to lower-emission or net-zero emission fleet vehicles.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.8	In future development agreements emphasize pursuit of higher standards for durable, energy-efficient developments.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.9	Remove regulatory barriers and create incentives, such as expedited permitted and/or density bonuses, to encourage the use of energy-efficient and sustainable building methods and materials, such as those specified under certification systems like Leadership in Energy & Environmental Design (LEED), Built Green, Salmon-Safe, and the Living Building Challenge (LBC).	Climate Planning Policies to be identified a new Climate Change Element
Environment	Climate Protection and Sustainable Development	Policy	6.2.10	Reduce landfilled solid waste tonnages through such actions as promoting the use of recyclable and compostable packaging, commercial composting, and the recycling of construction and demolition debris.	Climate Planning Policies to be identified a new Climate Change Element
Environment	Water Resources, Aquifers & Critical Recharge Areas	Goal	New		Rivers, streams aquifer recharge areas and other water resources within the City are protected and managed for multiple beneficial uses.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	New		Preserve and protect natural surface water storage sites, such as wetlands, aquifers, streams, and water bodies as these are critical features that support hydrological functions, water quality, regulate surface flows and recharge groundwater. <b>Vision 2050</b>
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.1	Coordinate the management and restoration of rivers, streams, wetlands and other water resources within the Snoqualmie watershed through participation in the Snoqualmie Watershed Forum and implementation of the Puget Sound Action Plan.	Coordinate the management and restoration Snoqualmie watershed through participation in the Snoqualmie Watershed Forum and the implementation of the Puget Sound Action Agenda.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.2	Ensure that local regulations for surface and stormwater management allow for and encourage Low-Impact Development (LID) practices.	Ensure that local regulations for surface and stormwater management allow for and encourage Low-Impact Development (LID) and Natural Drainage practices. Support retrofitting basins to improve storwater management and quality.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.3	Encourage building construction that uses alternative techniques to minimize impervious surfaces, such as using underground parking where feasible, cooperative parking such as shared and coordinated parking lots, and using “green roofs.”	Encourage building construction that uses alternative techniques to minimize impervious surfaces and reduce harmful impacts to the natural environment and proximate waterways.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.4	Implement water conservation strategies to increase the capacity for potable water use, and reduce the amount of wastewater to be treated, through such measures as rotating irrigation schedules, and by minimizing or encouraging alternatives to grass lawn in future subdivisions	Actively investigate and promote water conservation strategies to efficiently use the City’s legal access to water, and to reduce the amount of wastewater to be treated, through such measures as rotating irrigation schedules, and by incentivizing or requiring installation of water-wise landscaping throughout the City.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.5	Work with the State Department of Ecology, King County and other stakeholders to implement the 1998 East King County Ground Water Management Plan, and develop short and long-term strategies to reduce or eliminate pollution sources and protect public health.	Work with the State Department of Ecology, King County, Tribes and other stakeholders to reduce or eliminate pollution sources and protect public health.

Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	6.3.6	Work in conjunction with King County to take corrective action to remove contaminant loading due to failing septic systems and stormwater runoff in susceptible recharge areas, and consider the issue of mandatory septic tank testing or enforcing sewer line connection as an aquifer protection technique.	Work in conjunction with King County to take corrective action to remove contaminant loading due to failing septic systems and stormwater runoff in susceptible recharge areas.
Environment	Water Resources, Aquifers & Critical Recharge Areas	Policy	New		Seek funding to support stormwater retrofitting and green technologies in areas where water quality is impacted by stormwater.
Environment	Snoqualmie River, Stream Corridors & Wetlands	Goal	New		Natural hydraulic, hydrologic and habitat functions, and scenic and recreational values of rivers, streams, wetlands and natural drainage courses are protected.
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	6.4.1	Minimize stream crossings, utilizing bridges rather than culverts whenever feasible, and minimize new utility crossing impacts when possible by using techniques such as bridges, tunneling, or other innovative methods.	Minimize stream crossings, utilizing bridges rather than culverts whenever feasible, and minimize new utility crossing impacts, when possible, by using techniques such as bridges, tunneling, or other innovative methods.
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	New		Participate in regional species protection efforts, including salmon habitat enhancement and restoration. Identify, prioritize, and eliminate physical barriers (such as fish blocking culverts), and other impediments to anadromous fish spawning and rearing habitat. <b>Vision 2050</b>
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	6.4.2	Maintain infrastructure located within stream corridors in accordance with Best Management Practices that minimize water quality impacts, and pursue design modifications or alternative siting options for when significant alterations are undertaken.	Maintain infrastructure located within stream corridors in accordance with Best Management Practices that minimize water quality impacts and pursue design modifications or alternative siting options for when significant alterations are undertaken.
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	6.4.3	Encourage no net loss of remaining wetlands acreage, functions and values within the City and urban growth area, and the creation of wetlands where feasible	Protect wetlands areas, functions and values within the City and urban growth area, and allow the creation of wetlands where feasible and appropriate.
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	6.4.4	Restore previously disturbed wetland and stream buffers where feasible, and maintain restored buffers to limit the reintroduction of invasive species.	Restore previously disturbed wetland and stream buffers where feasible, and maintain restored buffers .
Environment	Snoqualmie River, Stream Corridors & Wetlands	Policy	6.4.5	Ensure wetland regulation and mitigation implementation is flexible enough to allow for protection of systems or corridors of connected wetlands, encourage incentives such as property tax reductions, conservation easements and other techniques to preserve wetlands.	Ensure wetland regulations allow for conservation easements and other techniques to preserve their health and existence.
Environment	Geological and Flood Hazard Areas	Goal	New		Public health and property damage risk associated with flood and geologic hazard areas have been reduced, while preventing irreparable harm to regionally significant ecological resources.
Environment	Geological and Flood Hazard Areas	Policy	New		Pursue strategies to lower the City's classification rating in the federal FEMA program.
Environment	Geological and Flood Hazard Areas	Policy	6.5.1	Meet, and attempt to exceed, the federal minimum standards of the National Flood Insurance Program, and strictly enforce Flood Hazard Regulations that meet and exceed the minimum requirements established by FEMA and the Department of Ecology	Protect properties and ecological functions in the floodplain with development regulations guided by standards established by FEMA and the Department of Ecology.
Environment	Geological and Flood Hazard Areas	Policy	6.5.2	Require the use of Best Management Practices to reduce accelerated erosion and sedimentation due to construction and construction-related activities.	Pursue the reduction of accelerated erosion and sedimentation due to construction and construction-related activities.
Environment	Geological and Flood Hazard Areas	Policy	6.5.3	Limit the scale and density of development in areas with severe geologic hazard potential, requiring development to minimize grading and restore native vegetation to the greatest extent possible.	Protect areas with severe geologic hazard potential, limiting development in hazard areas or requiring development to minimize grading and enhance native vegetation to the greatest extent possible.
Environment	Geological and Flood Hazard Areas	Policy	6.5.4	Where possible, seek to restore natural vegetative cover and natural drainage features on degraded sites which contribute to accelerated erosion and sedimentation.	Seek to restore natural vegetative cover and natural drainage features on degraded sites, including the removal of invasive weeds as necessary.