5. Monitoring the Regional Policy Statement and progress towards anticipated environmental results

This chapter sets out the procedures to be used to monitor the efficiency and effectiveness of the policies and methods in the Regional Policy Statement. It then lists the anticipated environmental results of implementing the Regional Policy Statement, which will be used to measure whether the overall objectives are being achieved.

5.1 Procedures for monitoring

5.1.1 Integrated monitoring

Wellington Regional Council has a Regional Monitoring Strategy that will be reviewed in response to this Regional Policy Statement. The Regional Monitoring Strategy will be reviewed in collaboration with all the local authorities in the region, to promote integrated monitoring of the region's natural and physical resources.

The process of revising the Regional Monitoring Strategy will also seek input, and potentially also monitoring assistance from iwi authorities and key stakeholders.

Monitoring of natural and physical resources occurs under several pieces of legislation. The Resource Management Act requires local authorities to monitor a number of factors, including the state of the environment in their region or district and the effectiveness and efficiency of policies, rules or other methods in its policy statement or its plan. Local authorities are also required to monitor and report on their council long-term community plans prepared under the Local Government Act 2004. The Wellington Regional Strategy, the sustainable economic growth strategy for the region, has indicators that are monitored to measure its progress, and proposes to develop a Genuine Progress Indicator (GPI) to measure progress across and interrelationships between economic, environmental, social and cultural aspects of community wellbeing. The Regional Land Transport Strategy is also monitored and reported on annually.

5.1.2 Reporting on a review of the results of state of the environment monitoring

State of the environment monitoring is a key component of checking whether the Regional Policy Statement policies and methods are effective. Wellington Regional Council prepares state of the environment reports that outline whether the objectives in the Regional Policy Statement are being achieved. The objectives are long-term goals. Their achievement will be measured in a state of the environment report for the region, which is prepared every six years, using the anticipated environmental results listed in Table 14. The last state of the environment report for the Wellington region (*Measuring Up*) was published in 2005.

Monitoring the state of the environment includes regular monitoring of resources – such as monitoring water quality at selected sites for selected indicators at monthly intervals – and targeted investigations. It also includes surveys and interviews with people and organisations on their perceptions of the quality of the environment. Reporting on the state of the environment will also draw from monitoring of councils' long-term council community plans, the Wellington Regional Strategy and the Regional Land Transport Strategy.

When developing monitoring programmes, local authorities will place an emphasis on measuring environmental indicators that enable the anticipated environmental results of the Regional Policy Statement to be assessed. Indicators will be developed as part of the review of the Regional Monitoring Strategy, for those anticipated environmental results not currently monitored, and monitoring programmes will be initiated.

5.1.3 The efficiency and effectiveness of the Regional Policy Statement and regional and district plans

Wellington Regional Council and the region's city and district councils are required by the Resource Management Act, at intervals of not more than five years, to compile and make available to the public the results of their monitoring of policies, rules and other methods in policy statements or plans. This requirement applies to the Regional Policy Statement, regional plans and district plans.

The results of this monitoring of policies, rules and other methods that give effect to the Regional Policy Statement in regional and district and city plans will be used by Wellington Regional Council to evaluate this Regional Policy Statement.

5.1.4 Resource consents

Information on resource consents is necessary to assess whether this Regional Policy Statement's objectives are being met. The process of applying for resource consents, and considering those applications, provides information on the resources being used, where the use takes place, the magnitude of use, how often it occurs and the limits on use (conditions). Wellington Regional Council and the region's city and district councils are required by the Resource Management Act to monitor the exercise of resource consents. This information will be used to monitor the Regional Policy Statement.

5.2 Anticipated environmental results

The following table sets out the anticipated environment results of the Regional Policy Statement. The anticipated environmental results are ten year targets, unless otherwise specified. They will be used to measure whether the objectives are being achieved, as part of the state of the environment reporting. The results are described as specific environmental states or they describe a course of action that will be undertaken.

Table 14: Objectives and the anticipated environmental results from implementing policies and methods in the Regional Policy Statement

Торіс	Objectives	Anticipated environmental results (AER)
Air quality	Objective 1 Discharges of odour, smoke and dust to air do not adversely affect amenity values and people's wellbeing.	 District plans include policies and/or rules that discourage: (a) new sensitive activities from locating near land uses or activities that emit odour, smoke and dust; (b) new land use activities that emit odour, smoke and dust from locating near sensitive activities. The number of environmental events caused by odour, smoke or dust notified to Wellington Regional Council are reduced by 50 per cent by 2014. Eighty five per cent of residents perceive that air pollution is not a problem in their city.
	Objective 2 Human health is protected from unacceptable levels of fine particulate matter.	 Policies and/or rules that protect people's health from discharges of fine particulate matter are included in regional plans. Airshed action plans are completed for airsheds that exceed the National Environmental Standards for Air Quality. All gazetted airsheds have achieved the National Environmental Standards for Air Quality for fine particulate matter by 2013. Eighty five per cent of residents perceive that air pollution is not a problem in their city.
Coastal environment	Objective 3 Habitats and features in the coastal environment that have significant indigenous biodiversity values are protected; and Habitats and features in the coastal environment that have recreational, cultural, historical or landscape values that are significant are protected from inappropriate subdivision, use and development. Objective 4 The natural character of the coastal environment is protected from the adverse effects of	Note: the anticipated environmental results provided in relation to the objectives for indigenous ecosystems, landscapes and historical heritage are also relevant to Objective 3. Please refer to those topics within this table. 1. There is no reduction, except that authorised by plan provisions and resource consents, in the condition (or quality) and extent of the area of wetlands, estuaries, salt marshes and active sand dunes in the coastal environment, as a result of human activities. 1. Regional and district plans contain policies that protect the natural character of the coastal environment in areas with high
	Objective 5 Areas of the coastal environment where natural character has been degraded are restored and rehabilitated.	natural character. 2. There is no reduction, except that authorised by plan provisions and resource consents, in the extent or quality of places, sites or areas with high natural character in the coastal environment. 1. Degraded parts of the coastal environment are identified and restoration work has started where there is sufficient community involvement.

Topic	Objectives	Anticipated environmental results (AER)
Coastal environment (continued)	Objective 6 The quality of coastal waters is maintained or enhanced to a level that is suitable for the health and vitality of coastal and marine ecosystems.	A regional plan will contain policies and rules to sustain healthy coastal and marine ecosystems.
		Regional and district plans will contain policies and rules to maintain and enhance coastal water quality.
		Sediment quality in low energy aquatic environments is maintained or enhanced.
		 Water quality in the coastal marine area is supporting healthy, functioning aquatic ecosystems or any other management purposes identified in regional plans.
		5. Eighty per cent of residents perceive that water pollution is not a problem.
	Objective 7 The integrity, functioning and resilience of	Human activities have not adversely affecting the extent of active coastal sand dunes.
	physical and ecological processes in the coastal environment are protected from the adverse effects of inappropriate subdivision, use and development.	Human activities have not accelerated coastal erosion.
	Objective 8 Public access to and along the coastal marine area, lakes and rivers is enhanced (objective 8 is shared for the coastal environment and fresh water).	 Areas with values, where public access to and along the coastal marine area, rivers and lakes should be enhanced have been identified.
		Public access is improved to and along the coastal marine area, lakes and rivers with significant values.
Energy, infrastructure and waste	Objective 9 The region's energy needs are met in ways that: (a) improve energy efficiency and conservation; (b) diversify the type and scale of renewable energy development; (c) maximise the use of renewable energy resources; (d) reduce dependency on fossil fuels; and (e) reduce greenhouse gas emissions from transportation.	 Regional and district plans contain policies that recognise the social, economic, cultural and environmental benefits of energy generated from renewable energy resources.
		2. The number and diversity of projects that generate energy from renewable energy resources in the region has increased.
		3. By 2016, the region's transport related carbon dioxide emissions are below 1,065 kilotonnes per annum (the 2001 equivalent).
		4. By 2016, at least 15 per cent of the region's commuters walk or cycle to work.
		5. By 2016, at least 21 per cent of the region's commuters take passenger transport to work.
		6. Travel demand management programmes are in place in a significant number of schools, business and other workplaces.
		7. Twenty per cent of businesses have adopted sustainable business practices.
		8. District plans contain policies to promote energy efficient subdivision or development, small scale renewable energy generation and provide for energy efficient alterations.

Topic	Objectives	Anticipated environmental results (AER)
Energy, infrastructure and waste (continued)	Objective 10 The social, economic, cultural and environmental, benefits of regionally significant infrastructure are recognised and protected.	 Regional and district plans contain: policies and/or methods that recognise the social, economic, cultural and environmental benefits of regionally significant infrastructure; and policies and/or methods that protect regionally significant infrastructure from incompatible land uses under, over, or adjacent.
	Objective 11 The quantity of waste disposed of is reduced.	1. The quantity of waste disposed to landfills is reduced by 20 per cent.
		2. The quantity of material sent for recycling and composting is increased by 20 per cent.
		3. Twenty per cent of businesses in the region have adopted sustainable business practices.
Fresh water	The quantity and quality of fresh water: (a) meet the range of uses and values for which water is required; (b) safeguard the life supporting capacity of water bodies; and (c) meet the reasonably foreseeable needs of future generations.	Water quality in lakes, rivers and aquifers is supporting healthy functioning aquatic ecosystems or any other management purposes identified in regional plans.
		2. River flows and lake levels support healthy functioning aquatic ecosystems or any other management purposes identified in regional plans.
		 Groundwater is managed to support healthy functioning aquatic ecosystems or any other purpose for managing water bodies identified in regional plans.
		4. Erosion, silt or sediment has not adversely affected the healthy functioning of aquatic ecosystems.
		The water catchments for public water supply are protected so that public health is safeguarded.
		6. Eighty per cent of residents perceive that water pollution is not a problem.
		7. A regional plan contains policies, rules and/or methods that:
		 (a) require, as a minimum, that water quality, flows and water levels are managed for the purpose of maintaining or enhancing aquatic ecosystem health; and
		(b) manage water bodies for other identified purposes.
		8. A regional plan contains policies and/or rules that:(a) establish allocation limits for the total
		amount of water that can be taken from surface water; and
		(b) establish allocation limits for the total amount of water that can be taken from groundwater.

Topic	Objectives	Anticipated environmental results (AER)
Fresh water (continued)	Objective 12 (continued)	9. A regional plan contains policies, rules and/or methods that reduce ecotoxic contaminants in stormwater that discharge into water, or onto or into land that may enter water, from new subdivision and development. 10. Regional and district plans contain policies.
		 Regional and district plans contain policies, rules and methods that control earthworks and vegetation disturbance.
		11. A regional plan contains policies, rules and/ or methods to:
		 (a) promote discharges of human and/or animal waste to land rather than water, particularly discharges of sewage; and (b) promote the use of collective sewage
		treatment systems that discharge to land.
	Objective 13 The region's rivers, lakes and wetlands support	Macro-invertebrate diversity in rivers and lakes is maintained.
	healthy functioning ecosystems	 Flow regimes in, and discharges to, rivers and lakes are not resulting in algal cover and/ or biomass that is adversely affecting aquatic ecosystems.
		3. There are no new barriers to fish passage and the number of existing impediments is reduced.
		4. There is no loss of existing fish habitat, nor reduction in fish populations and diversity.
		5. There is no loss of the significant amenity and recreational values or significant indigenous ecosystems associated with the rivers and lakes identified in Appendix 1.
		6. There is no decline in the condition and extent of wetlands.
		7. A regional plan contains policies, rules and/ or methods to protect aquatic ecological function.
		8. A regional plan contains policies and rules to protect:
		(a) the significant amenity and recreational values associated with the rivers and lakes listed in Appendix 1; and
		(b) the significant indigenous ecosystems of the river and lakes listed in Appendix 1.
	Objective 14 Fresh water available for use and development is allocated and used efficiently.	A regional plan contains policies, rules and/or methods to:
		(a) promote the efficient use of water; and(b) promote water harvesting, including water storage dams.
		The amount of water recycled and reused has increased and wastage has decreased.
		There is an increase in water harvesting and water storage.
		4. A regional plan contains policies and/or rules that give priority to the abstraction of water for the health needs of people.

Торіс	Objectives	Anticipated environmental results (AER)
Fresh water (continued)	Repeated objective from coastal environment Objective 8 Public access to and along the coastal marine area, lakes and rivers is enhanced (objective 8 is shared for the coastal environment and fresh water).	Areas have been identified which have significant values, where public access to and along the coastal marine area, rivers and lakes is enhanced.
		Public access is improved to and along the coastal marine area, lakes and rivers with significant values.
Historic heritage	Objective 15 Historic heritage is identified and protected from inappropriate modification, use and	District and regional plans have identified places, sites and areas with significant historic heritage values.
	development.	2. District and regional plans contain policies, rules and/or other methods to:
		(a) protect places, sites and areas with significant historic heritage values from inappropriate subdivision, use and development; and
		(b) avoid the destruction of, or damage to unidentified archaeological sites, wāhi tapu or other features of potential historical, spiritual or cultural significance.
		3. There is no loss of significant historic heritage values associated with places, sites and areas identified in a district or regional plan.
Indigenous ecosystems	Objective 16 Indigenous ecosystems and habitats with significant biodiversity values are maintained and restored to a healthy functioning state.	District and regional plans have identified indigenous ecosystems and habitats with significant biodiversity values.
		 District and regional plans contain policies, rules and/or methods to protect indigenous ecosystems and habitats with significant biodiversity values from inappropriate subdivision, use and development.
		3. There is no loss of indigenous ecosystems and habitats with significant biodiversity values identified in a district or regional plan.
		4. There is at least a 20 per cent increase in the area of indigenous ecosystems and habitats that are legally protected.
Landscape	Objective 17 The region's outstanding natural features and landscapes are identified and their landscape values protected from inappropriate subdivision, use and development.	District and regional plans have identified outstanding natural features and landscapes.
		 District and regional plans contain policies, rules and/or methods to protect outstanding natural features and landscapes from inappropriate subdivision, use and development.
		3. There is no loss of the values associated with outstanding natural features or landscapes identified in a district or regional plan.
	Objective 18 The region's special amenity landscapes are identified and those landscape values that contribute to amenity and the quality of the environment are maintained or enhanced.	District and regional plans have identified special amenity landscapes.
		District and regional plans contain policies, rules and/or methods to maintain and enhance special amenity landscapes.
		3. There is no loss of the values associated with special amenity landscapes identified in a district or regional plan.

Topic	Objectives	Anticipated environmental results (AER)
Natural hazards	Objective 19 The risks and consequences to people, communities, their businesses, property and infrastructure from natural hazards and climate change effects are reduced.	 Regional and district plans: (a) identify areas at high risk from natural hazards; and (b) contain policies and rules to avoid subdivision and inappropriate development in those areas. There is no new subdivision and inappropriate development in areas at high risk from natural hazards
	Objective 20 Hazard mitigation measures, structural works and other activities do not increase the risk and consequences of natural hazard events.	 There is no increase in the risk from natural hazards as a result of subdivision, use or development (including mitigation works). Where hazard mitigation measures are employed, there is a greater number and range of soft engineered measures used.
	orm, design A compact well designed and sustainable	 Over 75 per cent of the community surveyed has an understanding of the consequences from local natural hazards. Over 75 per cent of the community surveyed is prepared for natural hazard events.
Regional form, design and function		 District plans: (a) contain policies, rules and/or other methods that encourage a range of land use activities to maintain and enhance the viability and vibrancy of the regionally significant centres, including the regional central business district; and (b) identify and contain policies and methods to encourage higher density and mixed use activities around key centres and locations with good access to the strategic public transport network. There is an increase in the density and mix of land use activities in and around the regionally significant centres. City and district councils have determined if they have key industrial employment locations, and if they have, they have been identified and protected in district plans. The percentage of residents who agree that "I feel a sense of pride in the way my city looks and feels" is: (a) over 80 per cent in Wellington city; and (b) over 65 per cent for the rest of the region's city's and districts. All new urban development is within the region's urban areas (as at February 2009); or in areas identified for urban development in a district growth frameworks or strategies; or in accordance with a structure plan. There is a positive trend towards the 'key outcomes' in the Regional Land Transport Strategy. All the 'good regional form' actions identified in the Wellington Regional Strategy are implemented.

Topic	Objectives	Anticipated environmental results (AER)		
Resource management	Note: all objectives and anticipated environmental results are significant to iwi authorities and will be considered alongside the following objectives and anticipated environmental results.			
with tangata whenua	Objective 23 The region's iwi authorities and local authorities work together under Treaty partner principles for the sustainable management of the region's environment for the benefit and wellbeing of the regional community, both now and in the future.	lwi authorities are satisfied with their involvement in resource management decision-making.		
	Objective 24 The principles of the Treaty of Waitangi are taken into account in a systematic way when resource management decisions are made.	1. Iwi authorities are satisfied with the way the principles of the Treaty of Waitangi are taken into account by local authorities when resource management decisions are made.		
	Objective 25 The concept and spirit of kaitiakitanga are integrated into the sustainable management of the Wellington region's natural and physical resources.	There are planning documents, recognised by iwi authorities, to support the implementation of policy 48.		
	Objective 26 Mauri is sustained, particularly in relation to coastal and fresh waters.	Iwi authorities consider that mauri of coastal and fresh waters is being sustained.		
		Iwi authorities consider that Porirua Harbour's mauri is being restored.		
	Objective 27 Mahinga kai and natural resources used for customary purposes, are maintained and enhanced, and these resources are healthy, sustainable and accessible to tangata whenua.	There is better access for tangata whenua to sites with mahinga kai and areas of natural resources used for customary purposes.		
	Objective 28 The cultural relationship of Māori with their ancestral lands, water, sites, wāhi tapu and other taonga is maintained.	1. There is no loss of significant spiritual or cultural historic heritage values associated with places, sites and areas identified in planning documents recognised by an iwi authority or identified in a district or regional plan.		
Soils and minerals	Objective 29 Land management practices do not accelerate soil erosion.	1. The area of vegetation cover (includes soil conservation plantings, natural regrowth, and afforestation) on erosion prone land has increased by 10 per cent.		
	Objective 30 Soils maintain those desirable physical, chemical and biological characteristics that enable them to retain their ecosystem function and range of uses.	More than 95 per cent of soils sampled for soil health characteristics meet soil health targets.		
		2. There is no loss of productive land uses from Class I and II land.		
		3. District plans contain policies and rules that control activities on contaminated land if those activities could be adversely affected by the contamination.		
	Objective 31 The demand for mineral resources is met from resources located in close proximity to the areas of demand.	Aggregate and hard rock, for local use, is sourced from within the Wellington region.		

6. Principal reasons for objectives, policies and methods

This chapter presents the principal reasons for adopting the objectives, policies and methods of the Regional Policy Statement.

Detailed reasons for each provision are included in a report on the consideration of alternatives, benefits and costs that accompanies the Regional Policy Statement. This report is required by section 32 of the Resource Management Act. It requires an evaluation of the extent to which each objective in the Regional Policy Statement is the most appropriate way to achieve the purpose of the Resource Management Act and whether, having regard to their efficiency and effectiveness, the policies and methods are the most appropriate for achieving the objectives.

6.1 Objectives

All objectives in the Regional Policy Statement have been adopted to address the regionally significant resource management issues (including the resource management issues of significance to iwi authorities). These issues were identified from an analysis of the state of the environment, feedback received from city and district councils, the community, and by working with iwi authorities in the region. Achievement of the objectives will promote the sustainable management of natural and physical resources.

6.2 Policies

Policies in the Regional Policy Statement set the courses of action that are to be followed to achieve the objectives. There are two types of policies:

- Policies that are referred to as 'regulatory'. These policies will be delivered through regional plans, district and city plans, the Wellington Regional Land Transport Strategy, resource consents and notices of requirements. All involve statutory processes
- Policies that are referred to as 'non-regulatory'. These policies will be implemented through actions that do not involve regulation or statutory processes

Both regulatory and non-regulatory policies are needed in the Regional Policy Statement to achieve the objectives.

6.2.1 Regulatory

Policies 1-8, 11-32 and 34 direct the matters that shall or should be included in the policies, rules and other methods of regional or district plans. The plans must give effect to these policies. The policies are necessary to achieve the objectives while allowing Wellington Regional Council and each city and district to work out with their communities the most appropriate way of giving effect to the Regional Policy Statement.

Policies 9, 10 and 33 direct the Wellington Regional Land Transport Strategy, which cannot be inconsistent with the Regional Policy Statement. The policies are necessary to provide appropriate direction on the role of land transport in promoting sustainable management.

Policies 35-60 provide direction on the assessment and consideration of resource consent applications, notices of requirement, or plan changes or variations. Particular regard must be given to these policies when resource management decisions are made by Wellington Regional Council and the region's district and city councils.

Policies 61-63 allocate responsibility for the control of the use of land in relation to indigenous biological diversity, natural hazards, and the storage, use disposal or transportation of hazardous substances. These policies are necessary to satisfy the requirements of section 62(1)(i) of the Resource Management Act.

6.2.2 Non-regulatory

Policies 64-69 are non-regulatory policies that direct specific actions to help achieve the objectives, such as the provision of information and works and services. They are needed where regulatory policies alone cannot achieve the objectives.

6.3 Methods

Methods in the Regional Policy Statement state the actions needed to implement the policies. As with the policies, there are two types of methods – regulatory and non-regulatory.

6.3.1 Regulatory

Method 1 implements the policies that direct what shall or should be included in district plans. Method 2 implements the policies that direct what shall be included in regional plans.

These methods are necessary to clarify when regional and district plans must give effect to the Regional Policy Statement.

Method 3 implements the policies that relate to the Wellington Regional Land Transport Strategy. The method is necessary to clarify when the Wellington Regional Land Transport Strategy must implement the policies.

Method 4 implements policies that direct the matters to be considered when making decisions on resource consent applications, notices of requirement, plan changes and variations.

Method 5 implements policies that allocate local authority responsibility for the control of the use of land in relation to indigenous biological diversity, natural hazards, and the use, storage, disposal or transportation of hazardous substances. The method is necessary to satisfy section 62(1)(i) of the Resource Management Act.

6.3.2 Non-regulatory

Methods 6-25 set out specific information and guidance that will be prepared. These methods are needed to provide people and communities with information that will enable them to understand, contribute and actively participate in the sustainable management of the region's natural and physical resources or to enable Wellington Regional Council and the region's city and district councils to implement relevant policies in the Regional Policy Statement.

Methods 26-47 set out actions that will be taken by Wellington Regional Council and other organisations to manage resources in an integrated way. These methods are needed to ensure that where resources are managed by more than one agency, it is done collaboratively.

Methods 48-52 set out where investigation of natural and physical resources is necessary to implement the policies. The methods address gaps in information that need to be addressed, as a priority, to promote the sustainable management of natural and physical resources.

Methods 53-56 set out where support and assistance is necessary to implement the policies.