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Part A

This document is presented in two parts:

Part A describes the measurement and reporting framework guiding the Hobsonville Point project. It then lists the elements of the framework and the long term and development indicators for each dimension. It provides a quick overview of all the elements that are likely to be of interest to a wider audience.

Part B explores the interrelationship between the long term indicators and provides more detailed information about each indicator. It provides more detailed information for those interested in the indicators.

The Hobsonville Point Vision

To build a strong, vibrant community that sets new benchmarks for a quality and accessible urban development with an environmentally responsible focus.

The Hobsonville Point development in north-west Auckland is about enabling the development of a vibrant and enduring community, reflecting the diversity and aspirations of modern day New Zealand.

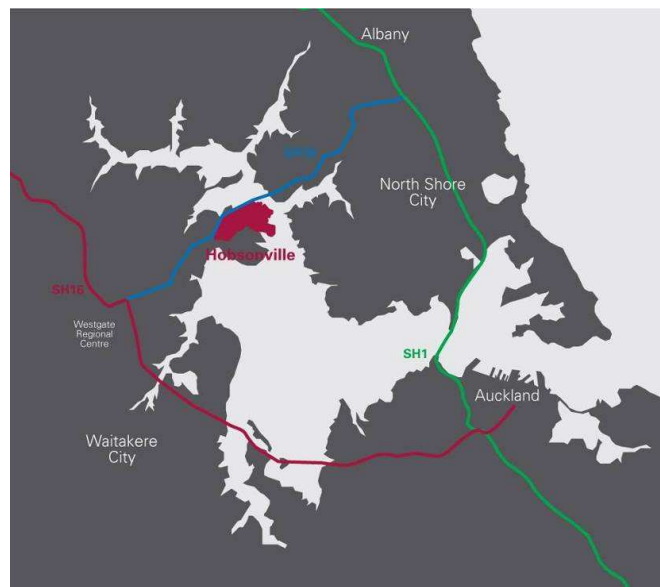
It will open up about 4 km of harbour waterfront to the public for recreational and community use, has planned central city ferry connections, bus public transport initiatives, two schools, and a significant marine cluster providing local jobs.

Public esplanade reserves, cycle-ways and walkways around the harbour edge, and around 3000 quality homes will be part of the overall integrated housing development.

With its strong environmental focus, building upon the existing amenity, and being well located between Waitakere and the North Shore, this future development is expected to be sought out by people from all walks of life.

In partnership with the private sector, this is a new model for Crown lead, best practice urban development in New Zealand. The project offers a practical and sensible response to the growth pressures facing Auckland today and at the same time is responsive to the unique coastal setting and village 'feel' of the Hobsonville peninsula.

The provision of a physical environment that supports the vision will be complemented by education and community management to achieve the best possible outcome.



How will we measure success?

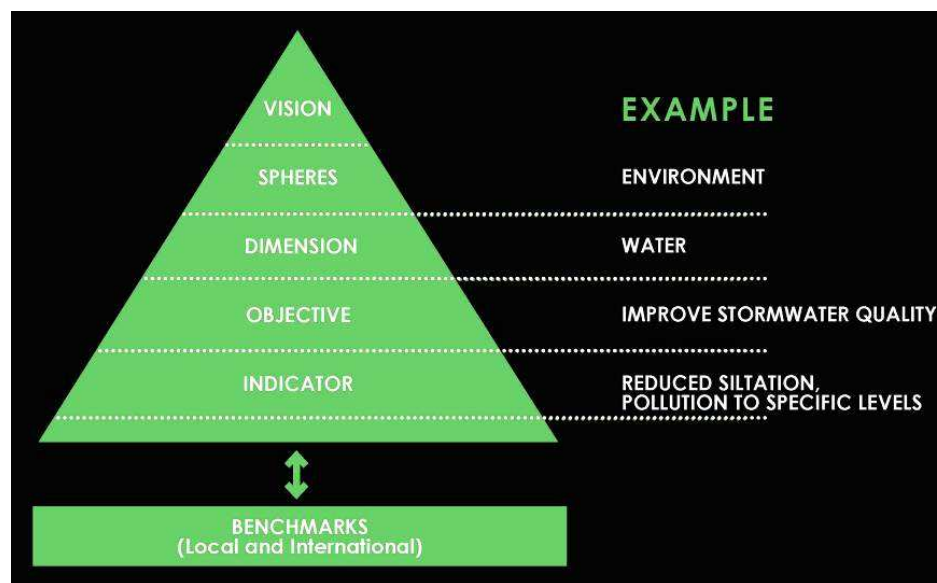
To help guide the project a measurement and reporting framework was developed that clearly defines the aspirations and objectives for the project. The framework organises objectives, goals and indicators into four spheres: Environment, Economic, Social and Cultural.

Success in all four spheres is required for the project to fulfil its vision. The greatest benefit comes from actions that contribute to several spheres.

The vision *'to build a strong, vibrant community that sets new benchmarks for a quality and accessible urban development with an environmentally responsible focus'* is translated into objectives and practical action through the hierarchical approach outlined in the diagram. As we move down the pyramid each step becomes more specific and detailed to inform day to day decision making at Hobsonville Point.

For each of the four spheres several dimensions are identified. These are the key areas in which action needs to occur for the vision to be achieved. To guide decision making, aspirational goals and objectives have been identified for each. Long term indicators will measure outcome based performance while shorter term development indicators monitor the inputs needed to achieve the desired long term performance. Indicators need to be practically measurable and have been selected to enable benchmarking against performance elsewhere wherever possible. Long term targets are for the year 2026 (the first census year after anticipated completion of the development), unless otherwise specified. The intention is to measure progress towards them in Census years (every 5 years) and to monitor progress against development indicators continuously with reports prepared annually. As the project develops, further measures may be developed or existing measures improved upon or amended. Updates will be available at www.hobsonvillepoint.co.nz. It is noted that while there is a genuine commitment to the achievement of the indicators, this is dependent on a range of factors, many of which are not under the Hobsonville Land Company's sole or direct control.

Most indicators measure performance against a number of objectives in a number of spheres. This is described in detail in the indicator sheets provided in Part B of this document. Similarly, objectives and dimensions don't always neatly fit into a particular sphere. In a successful development all elements are interconnected but all contribute to the overall vision. For ease of reading and reporting, indicators have been assigned to the dimension they primarily relate to.



Environmental Sphere

The development must minimise its impact on the wider environment and enhance the natural systems of the site.

Dimensions:

Ecology

The development site borders the sensitive Upper Waitemata Harbour and presents some valuable opportunities to maintain and enhance native habitat within the development area. The site contains some existing vegetation, in various states of health. A particular focus will be on retaining significant vegetation and restoring the coastal edge to form a continuous green corridor and minimising contamination in stormwater runoff.

Energy

Energy use is closely linked to climate change. In Auckland there are also concerns about long term security of electricity supply so the way energy is used and managed needs to be addressed. Energy use will be minimised through good design and use of modern technologies, with renewable energy forms utilised wherever possible. Transport is the largest user of energy in Auckland and also impacts on economic and social objectives. It is covered separately in the economic sphere.

Water

The sensitivity of the receiving environment makes stormwater quality control critical. As stormwater runoff from the site enters the Waitemata, ensuring that contamination is minimised is a key focus of the water dimension. Innovative stormwater management can ensure that water is cleansed and slowed through a treatment train. Auckland's aging water infrastructure is struggling to cope with development pressure, thus impacting negatively on the natural environment and putting strain on finances. Reducing water consumption will help reduce the need for water supply infrastructure upgrades (such as a new dam or pipeline) and reduce the risk of overflows from the sewage network during heavy rain.

Resource efficiency

Ensuring resource efficiency and minimising waste throughout the development lifecycle will reduce pressure on non-renewable and natural resources. There are a number of existing buildings and structures on the site and reusing or recycling these where practical will be a priority. During construction, waste can be reduced through good design and by separating those waste streams that can be reused or recycled. Providing appropriate facilities and education will help ensure that residents are able to minimise household waste.

Aspirational goals:

The ecological health of the Hobsonville Point site and adjacent marine area is improved

No carbon emissions from stationary energy use

Low impact water management throughout the development

Waste is minimised throughout the development

Sphere	Dimension	Objectives	Long term indicators*	Development indicators
1. Environmental	Ecology	<ol style="list-style-type: none"> Create an integrated natural habitat Increase indigenous biodiversity 	<ol style="list-style-type: none"> A continuous green corridor with native vegetation covering at least 10% of the site is retained/established. Pre and post development native flora and fauna counts indicate that species diversity and abundance has increased in key areas. 	<p>Native habitat areas along the coastal corridor are maintained and enhanced. A management plan for the coastal area is completed that covers planting, weed and pest management strategies.</p> <p>Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.</p> <p>Eco sourced native plants are used where native plants are planted in public areas.</p> <p>Local seed is collected and grown into plants for key revegetation species.</p> <p>Education/management programme in place.</p> <p>See "Water" for stormwater quality indicators.</p>
	Energy	<ol style="list-style-type: none"> Reduce non-renewable energy use Produce renewable energy Energy efficiency 	<ol style="list-style-type: none"> Average household grid energy (reticulated gas and electricity) consumption is 6,500 kWh/year or less. 	<p>Houses built to at least 5 Star HERS thermal performance rating and 5.5 Star HERS hot water rating.</p> <p>All properties have smart meters and time of use pricing.</p> <p>All appliances that are included in the house and land package to carry the 'Energy Star' rating. If no such appliance is available, then a minimum rating of 4 Stars should be achieved on the mandatory rating label.</p> <p>Commercial buildings designed/retrofitted to 5 Star Green Star rating, where a rating tool is available..</p> <p>At least 3 on site demonstration renewable generation projects.</p> <p>Education/management programme in place.</p>
	Water	<ol style="list-style-type: none"> Reduce water consumption Improve water quality 	<ol style="list-style-type: none"> Copper, lead and zinc concentrations remain below the Threshold Effect Levels (TEL) value at monitoring sites immediately downstream of stormwater discharge points. Average residential town supply water consumption is 100 litres or less per person per day. 	<p>All stormwater, except roof water, receives treatment before being discharged into the harbour.</p> <p>Where possible runoff from roads and carparks is treated at or near the source.</p> <p>All houses have 6/3 litre, or less, dual flush toilets.</p> <p>3 Star or better water saving fixtures and appliances.</p> <p>Dwellings are served by rain tanks sized to supply 75% of water used in household toilets, laundries and gardens.</p> <p>No in-built irrigation will be provided in gardens.</p> <p>All dwellings will have water meters (including apartments).</p> <p>Education/management programme in place.</p>
	Resource efficiency	<ol style="list-style-type: none"> Recycle and renew existing buildings and other infrastructure Reduce off-site waste disposal 	<ol style="list-style-type: none"> Mixed household waste collected is 100kg/person/year or less. 	<p>At least 20% of existing buildings will be retained and renovated or reused off site.</p> <p>A waste management plan, using the REBRI (Resource Efficiency in the Building and Related Industries) methodology, is in place to cover construction and demolition.</p> <p>At least 3 public recycling bins are provided in public spaces.</p> <p>Spaces for communal recycling bins are provided in apartment buildings.</p> <p>Education/management programme in place.</p>

*Long term indicator details are provided in Part B of this document

Economic Sphere

The development must enable the Hobsonville Point community to contribute to economic growth and improved productivity.

Dimensions:

Growth

Hobsonville Point provides a rare opportunity to locate the export orientated marine industry (with ancillary services) near deep water access. Two super yacht builders are already located on site and facilitating modern boat launching facilities is likely to attract additional boat builders and supporting industry to the development. Mixing industry and employment with residential use, education and integrated transport is one of the key drivers of development at Hobsonville Point, contributing towards local economic growth.

Employment

Creating local employment opportunities will help strengthen the local economy and reduce people's need to travel long distances to work. The local area has a low ratio of jobs to residents compared to wider Auckland. Additional employment opportunities at Hobsonville Point will benefit the wider community, economically, socially and environmentally.

Viability

Demonstrating the economic benefits of an environmentally efficient development is one of the key aims of the project. Reducing relative household spending on energy, water, transport and housing costs needs to be combined with an acceptable return on investment for the developer if such projects are to become mainstream.

Transport

Transport is the second highest cost to households after housing. The wider economic costs of congestion and a car centric lifestyle are well documented. Additionally there are environmental and social costs from car use, such as greenhouse gas emissions, air and water pollution, marginalisation of people who are unable to drive and reduced time availability for family and community activities. Transport is arguably the most pressing environmental, economic and social issue for urban development. The costs to low income households are especially high. Providing good public transport and creating an environment where people can meet their day to day needs locally will help reduce these costs.

Aspirational goals:

The local economy is supported and grows

The economic benefits of environmentally efficient development are demonstrated

Single occupancy car travel is minimised and public transport use increases

Sphere	Dimension	Objectives	Long term indicators*	Development indicators
2. Economic	Growth	10. Maximise contribution to Auckland's economic growth through development of marine industry and associated business opportunities at Hobsonville Point 11. Maximise local economic independence	7. At least 80% of residents state that they have used a local shop, restaurant, café or service in the last week. 8. 80% of businesses indicate that their business has grown in the last 12 months. 9. Marine cluster \$ output increases and contributes to Waitakere economy.	20 ha marine industry precinct facilitated and serviced. Opportunities for local retail businesses established. Fibre to the premises installed. Farmers/local produce market established by 2012. Education/management programme in place.
	Employment	12. Maximise opportunities for local employment	10. At least 0.65 jobs per household are available at Hobsonville Point. 11. The percentage of residents in employment who work locally (North West Auckland) is measured.	At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use. 5 ha is provided for mixed use development. Education/management programme in place.
	Viability	13. Generate a commercially-acceptable return on investment 14. Demonstrate the overall economic benefits of an integrated urban development approach 15. Demonstrate the impacts of an environmentally efficient development approach on household expenditure	12. Business case targets are met. <i>See Environmental sphere for indicators on electricity and water usage.</i>	Financial indicators agreed with Government are met. House performance and occupant perceptions are monitored to better understand the value of energy and water efficient houses.
	Transport	16. Support the Auckland Regional Land Transport Strategy 17. Minimise dependence on motor vehicles for daily activity	13. 50% or more households have one vehicle or less. 14. 40% or fewer workers travel to work by driving themselves. 15. Mode share of resident trips is monitored through the resident survey and targets are set by 2012 and achieved by 2021. 16. Passenger targets agreed with Auckland Regional Transport Authority (ARTA) and met.	75% of dwellings are within 400m walking distance of a bus stop and all are within 800m. 75% of dwellings are within 800m walking distance of <ul style="list-style-type: none"> • convenience store, • community facility, • early childhood education. 75% of dwellings are within 1200m walking distance of the primary school. 75% of dwellings are within 1600m walking distance of the secondary school. 5 km coastal walk and cycle way. Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive. On-road cycle lanes on Hobsonville Point Road. Ferry facilities in place by 2011. Local bus service in place by 2010. Transport Management Association established. Education/management programme in place.

*Long term indicator details are provided in Part B of this document

Social Sphere

The development must enable a diverse range of people to access Hobsonville Point and to achieve and maintain positive wellbeing, both as individuals and as part of the wider community.

Dimensions:

Inclusion

Housing affordability has decreased dramatically in recent years across New Zealand, and in Auckland in particular, increasing financial strain on people with low and moderate incomes. Including a variety of housing types, tenure and costs will help ensure that a mixed and balanced community develops, one where people can remain as their needs or situation changes. A particular focus will be on first home ownership.

Quality of Life

For any development to work people will need to like living there. By providing high standards of amenity, a safe environment and plenty to do, the development will attract and retain residents who are willing to engage with their community.

Accessibility

The aim is to ensure that people of all ages and abilities are able to live and participate in their community. This includes providing a percentage of dwellings accessible for people with disabilities, ensuring that people unable to drive can access essential services easily and that people have the opportunity to be well connected to the wider world via public transport and communications technology.

Aspirational goals:

People can lead fulfilling lives

The development caters for first home buyers on moderate incomes

People interact with and look out for one another

People have the opportunity to get involved in local decision making

Sphere	Dimension	Objectives	Long term indicators*	Development indicators
3. Social	Inclusion	<p>18. Create opportunities for a diverse range of people to live at Hobsonville Point</p> <p>19. Maximise opportunities for community participation</p>	<p>17. At least 80% of people report positive contact with their neighbours, such as a visit, or asking each other for a small favour.</p> <p>18. Fewer than 10% of people report negative contact with their neighbours, where there is outright tension.</p> <p>19. At least 70% of people report that they have used a local park or community facility in the last month.</p>	<p>All roads are open to the public (no gated communities).</p> <p>The development will contain a mixture of apartments, terraces and detached dwellings.</p> <p>A mixture of 1-2 bedroom, 3 and 4-plus bedroom homes will be built to cater for a variety of housing needs.</p> <p>All dwellings are within 400m walking distance of a public space with recreational facilities (playground, seating or similar).</p> <p>At least one local public event is held each year.</p> <p>Education/management programme in place.</p>
	Quality of Life	<p>20. Promote a healthy and safe living environment</p> <p>21. Ensure that the public realm is attractive and accessible</p> <p>22. Maximise opportunities for Hobsonville Point to become a learning community</p>	<p>20. At least 80% of people feel that their neighbourhood is a safe place for unsupervised children.</p> <p>21. At least 85% of people feel safe in their neighbourhood after dark.</p> <p>22. 85% of residents rate the quality of public space as good/very good.</p> <p>23. 60% of school children bike/walk or catch public transport to school.</p> <p>24. 35% of residents participate in community/adult education.</p>	<p>Maintenance of public spaces is to a high standard.</p> <p>Multifunctional space provided for use by community groups and social services providers.</p> <p>Community activation programme implemented.</p> <p>School facilities are available for community use when not required by school (after hours).</p> <p>School Travel Plans in place in school's first year of operation.</p>
	Accessibility	<p>23. Ensure Hobsonville Point is accessible to people at all stages of life and ability</p> <p>24. Ensure all residents have enhanced access to essential services</p>	<p>25. 80% of households have access to the internet.</p> <p>26. 95% of people feel that the Hobsonville Point site is very/reasonably safe for pedestrians.</p> <p>27. 95% of cyclists feel that cycling within the Hobsonville Point site is very/reasonably safe.</p>	<p>'Universal design' units will be included to meet community needs.</p> <p>Public buildings altered for accessible access.</p> <p>Fibre optic cabling in place and available to every household, education facility and business.</p> <p>CPTED (crime prevention through environmental design) assessment of design and completed stages.</p> <p>Education/management programme in place.</p>

*Long term indicator details are provided in Part B of this document

Cultural Sphere

The development must allow people to celebrate their own cultural heritage, while also enabling residents to share values, beliefs, customs, behaviours, identity and a sense of place and community.

Dimensions:

Sense of place 'Turangawaewae'

The Hobsonville Point development will build on the existing character and qualities of the site to promote a sense of belonging and attachment. This will take time to develop, but there are steps that can be undertaken to encourage and facilitate this process. A location strategy will be developed to explore appropriate options.

Custodianship 'Kaitiakitanga'

People need to be committed to safeguarding the natural values of the site to achieve the environmental objectives. Behaviour, attitudes and understanding are key factors in this and people will be encouraged to take responsibility for safeguarding the local environment for future generations. Community participation in cultural and social activities and in restoring the natural environment on the site are likely to be key vehicles for this.

Heritage

The Hobsonville Point site has a rich military and pre-European history that needs to be respected throughout the development process. Interpretation through art works and education material will help ensure that people are aware of this history.

Cultural Life

Enabling people to partake in activities that reflect their culture is important. The approach taken is to especially utilise the many outdoor and water sporting opportunities the site offers that are key to New Zealand's and especially Auckland's culture. Sharing of people's diverse cultures will also be encouraged through local events.

Aspirational goals:

People acknowledge and respect their own and other people's cultural heritage

Residents have a sense of belonging

Residents respect and care for the natural environment

Residents have the opportunity to participate in social and cultural activities

Sphere	Dimension	Objectives	Long term indicators*	Development indicators
4. Cultural	Sense of place 'Turangawaewae'	25. Create a distinctive identity for Hobsonville Point	28. Location strategy implemented by the end of the Buckley stage of development. 29. At least 75% of residents feel a sense of community in the local neighbourhood. 30. 30% of residents state that they participate in local residents' association/community body activities.	Phoenix palms along Buckley Ave are retained. Consultation with community groups and historical societies undertaken. All place names drawn from local association. Education/management programme in place.
	Custodianship 'Kaitiakitanga'	26. Promote environmental and social responsibility among residents 27. Acknowledge the Haukainga (home people) of the area	31. At least 55% of residents have taken action during the past year to improve the natural environment. 32. The percentage of residents who report seeing tui and fantails in their garden or neighbourhood during the last week increases over time.	Iwi consultation occurs as part of the development. At least one suitable memorial work/site that reflects the iwi heritage. Community body formed of resident, business and school representatives to be involved in the project area. Education/management programme in place. <i>See Social sphere for community participation indicators.</i>
	Heritage	28. Ensure that Hobsonville Point's future reflects its past	33. 80% of residents have visited at least one of the heritage sites at Hobsonville Point. 34. The Headquarters building, Mill House, the 'Arts and Crafts' style officer housing and the Sunderland Lounge are retained and converted to appropriate uses.	Key historic/architectural buildings are retained and restored and information about these is provided to the public. Historical trail established to draw out iwi, air force and other local connections. A comprehensive historical and cultural assessment is undertaken and the findings are made available to local residents. At least one suitable memorial work/site that reflects the air force heritage. Education/management programme in place.
	Cultural Life	29. Promote a diverse range of cultural, sporting and other opportunities 30. Celebrate local events	35. 75% of residents participate in cultural, sporting or recreational activities.	At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas). Education/management programme in place.

*Long term indicator details are provided in Part B of this document

Part B

This section explores the interrelationship between the long term indicators and provides more detailed information about each indicator.

The Long Term Indicators

This section describes the long term indicators for each sphere in more detail and provides benchmarks where these are available and appropriate. Strong sustainability indicators tend to contribute to many objectives and goals which is further illustrated by the following table and the indicator sheets.

Indicator	Contributes to														
	Environmental				Economic				Social			Cultural			
	Ecology	Energy	Water	Resource Efficiency	Growth	Employment	Viability	Transport	Inclusion	Quality of Life	Accessibility	Sense of place 'Turangawaewae'	Custodianship 'Kaitiakitanga'	Heritage	Cultural Life
1	A continuous green corridor with native vegetation covering at least 10% of the site is retained/established.	✓		✓						✓		✓	✓		
2	Pre and post development native flora and fauna counts indicate that species diversity and abundance has increased in key areas.	✓								✓		✓	✓		
3	Average household grid energy consumption is 6,500 kWh/year or less.		✓					✓					✓		
4	Copper, lead and zinc concentrations remain below the Threshold Effect Level (TEL) value at monitoring sites immediately downstream of stormwater discharge points.	✓		✓						✓			✓		✓
5	Average residential town water consumption is 100 litres or less per person per day.		✓	✓	✓			✓					✓		
6	Mixed household waste collected is 100kg/person/year or less.				✓								✓		
7	At least 80% of residents state that they have used a local shop, restaurant, café or service in the last week.		✓			✓	✓	✓	✓		✓	✓			
8	80% of businesses indicate that their business has grown in the last 12 months.					✓	✓	✓	✓		✓	✓	✓		
9	Marine cluster \$ output increases and contributes to Waitakere economy.					✓	✓	✓	✓			✓			
10	At least 0.65 jobs per household are available at Hobsonville Point.		✓			✓	✓	✓	✓	✓	✓	✓			
11	The percentage of residents in employment who work locally (North West Auckland) is measured.		✓			✓	✓	✓	✓	✓	✓	✓			
12	Business case targets are met.							✓							
13	50% or more households have one vehicle or less.	✓	✓	✓	✓			✓	✓	✓	✓		✓		
14	40% or fewer workers travel to work by driving themselves.	✓	✓	✓				✓	✓	✓	✓		✓		
15	Mode share of resident trips is monitored through resident survey and targets are set by 2012 and achieved by 2021.	✓	✓	✓				✓	✓	✓	✓		✓		
16	Passenger targets are agreed with ARTA and met.	✓	✓	✓				✓	✓	✓	✓				
17	At least 80% of people report positive contact with their neighbours, such as a visit, or asking each other for a small favour.								✓	✓		✓			

Indicator	Contributes to													
	Environmental				Economic				Social			Cultural		
	Ecology	Energy	Water	Resource Efficiency	Growth	Employment	Viability	Transport	Inclusion	Quality of Life	Accessibility	Sense of place 'Turangawaewae'	Custodianship 'Kaitiakitanga'	Heritage
18	Fewer than 10% of people report negative contact with their neighbours, where there is outright tension.													
19	✓	✓						✓	✓	✓	✓			
20	At least 80% of people feel that their neighbourhood is a safe place for unsupervised children.													
21	At least 85% of people feel safe in their neighbourhood after dark.													
22	85% of residents rate the quality of public space as good/very good.													
23	✓	✓	✓					✓	✓	✓	✓			✓
24	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	80% of households have access to the internet.													
26	95% of people feel that the Hobsonville Point site is very/reasonably safe for pedestrians.													
27	95% of cyclists feel that cycling within the Hobsonville Point site is very/reasonably safe.													
28	Location strategy implemented by the end of the Buckley stage of development.													
29	At least 75% of residents feel a sense of community in the local neighbourhood.													
30	30% of residents state that they participate in local residents' association/community body activities.													
31	✓		✓					✓	✓		✓	✓		✓
32	✓	The percentage of residents who report seeing tui and fantails in their garden or neighbourhood during the last week increases over time.												
33	80% of residents have visited at least one of the heritage sites at Hobsonville Point.													
34	The Headquarters building, Mill House, the 'Arts and Crafts' style officer housing and the Sunderland Lounge are retained and converted to appropriate uses.													
35	75% of residents participate in cultural, sporting or recreational activities.													

Indicator 1:

A continuous green corridor with native vegetation covering at least 10% of the site is retained/established.

Environmental, Cultural, Social

Contributes to the following objectives:

1. *Create an integrated natural habitat*
2. *Increase indigenous biodiversity*
7. *Improve water quality*
21. *Ensure that the public realm is attractive and accessible*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Providing a green corridor that allows birds and other species to travel along the coastal edge has been a priority from the start of planning at Hobsonville Point. Retaining and enhancing the habitat along the coastal edge will provide an important buffer between the residential development and the sea. This will have stormwater quality benefits as well as providing habitat. This indicator needs to be viewed in conjunction with indicator 2 to give a better picture of habitat value.

How will it be measured?

An area calculation will be undertaken from aerial photography. The photo will also show if the green corridor is continuous.

Development indicators supporting this long term indicator:

Native habitat areas along the coastal corridor are maintained and enhanced.

A management plan for the coastal area is completed that covers planting, weed and pest management strategies.

Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.

Eco sourced native plants are used where native plants are planted in public areas.

Local seed is collected and grown into plants for key revegetation species.

5 km coastal walk and cycle way.

Education/management programme in place.

Indicator 2:

Pre and post development native flora and fauna counts indicate that species diversity and abundance has increased in key areas.

Environmental, Cultural, Social

Contributes to the following objectives:

1. *Create an integrated natural habitat*
2. *Increase indigenous biodiversity*
7. *Improve water quality*
21. *Ensure that the public realm is attractive and accessible*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
28. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This indicator measures species diversity and abundance, therefore giving a good indication of ecological health of the site. To make it practically measurable counts are limited to key sites rather than the whole development. A mixture of sites have been chosen to provide a representative sample. See also indicator 1.

How will it be measured?

A specialist was engaged to develop a suitable methodology and to undertake base line predevelopment species counts (in late 2008). The species counts will be repeated periodically to assess progress.

Development indicators supporting this long term indicator:

Native habitat areas along the coastal corridor are maintained and enhanced.

A management plan for the coastal area is completed that covers planting, weed and pest management strategies.

Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.

Eco sourced native plants are used where native plants are planted in public areas.

Local seed is collected and grown into plants for key revegetation species

5 km coastal walk and cycle way.

Education/management programme in place.

Indicator 3:

Average household grid energy (reticulated gas and electricity) consumption is 6,500 kWh/year or less.

Environmental, Social, Economic, Cultural

**Contributes to the following objectives:**

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Ideally energy consumption, rather than reticulated energy consumption would be measured for a better indication of energy efficiency and conservation. However this would be too difficult in a development of this scale. Residents may for example use bottled gas which would be hard to quantify reliably. Reticulated electricity and gas consumption will be able to be measured regularly and from all houses. The Hobsonville Land Company will further investigate the potential for measurement of total energy consumption and possibly energy end use in a limited number of houses in the future.

How will it be measured?

An agreement will be negotiated with the retailers to make average household use data available. At this stage it is not envisaged that gas will be reticulated, however a similar process would be followed if it is.

Development indicators supporting this long term indicator:

Houses built to at least 5 Star HERS thermal performance rating and 5.5 Star HERS hot water rating.

All properties have smart meters and time of use pricing.

At least 3 on site demonstration renewable generation projects.

All appliances that are included in the house and land package to carry the 'Energy Star' rating. If no such appliance is available, then a minimum rating of 4 Stars should be achieved on the mandatory rating label.

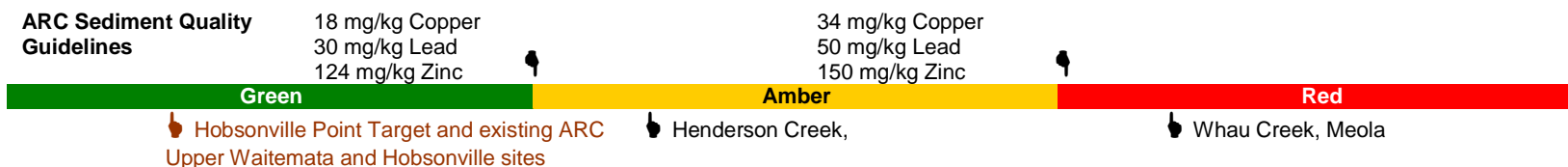
3 Star or better water saving fixtures and appliances.

Education/management programme in place.

Indicator 4:

Copper, lead and zinc concentrations remain below the Threshold Effect Levels (TEL) value at monitoring sites immediately downstream of stormwater discharge points.

Environmental, Cultural



Contributes to the following objectives:

1. *Create an integrated natural habitat*
2. *Increase indigenous biodiversity*
7. *Improve water quality*
29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

A well designed and built stormwater management system will remove the majority of heavy metal contamination normally found in urban stormwater runoff. The indicator is therefore useful in determining the effectiveness of the system because it measures the downstream effect of stormwater contamination. The same method as used by the Auckland Regional Council to monitor the effects of urban stormwater discharges at 72 sites in the Auckland Region will be used. This method is also used by Waitakere City Council's project Twin Streams to monitor the ecological health of key areas within their catchment area which is near the Hobsonville Point site, thus allowing for comparisons to be made with a variety of sites around the Auckland Region.

How will it be measured?

The Auckland Regional Council (ARC) currently undertakes testing of sediment contamination at 72 sites. The method and results are described in their Technical Publication (TP) 333. A sampling methodology was developed in consultation with the Auckland Regional Council and baseline sampling was undertaken in 2008, confirming that contamination levels are currently below TEL levels.

Development indicators supporting this long term indicator:

All stormwater, except roof water, receives treatment before being discharged into the harbour.

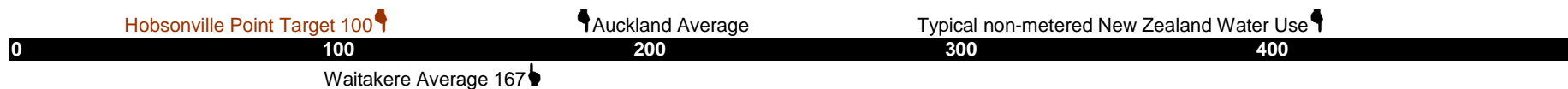
Education/management programme in place.

Where possible runoff from roads and carparks is treated at or near the source.

Indicator 5:

Average residential town water consumption is 100 litres or less per person per day.

Environmental, Social, Economic, Cultural

**Contributes to the following objectives:**

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
6. *Reduce water consumption*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Reducing water consumption from the already over stretched town supply is a key aim of the development. Town supply water use is a direct measure that is easily undertaken and that allows comparisons to be made with the wider area.

How will it be measured?

An agreement will need to be reached with the Council to obtain average household use data for the development area.

Development indicators supporting this long term indicator:

All houses have 4.5/3 litre, or less, dual flush toilets.

3 Star or better water saving fixtures and appliances.

Dwellings are served by rain tanks sized to supply 75% of water used in household toilets, laundries and gardens.

No in-built irrigation will be provided in gardens.

All dwellings will have water meters (including apartments).

Education/management programme in place.

Indicator 6:

Mixed household waste collected is 100kg/person/year or less.

Environmental, Social, Economic, Cultural

**Contributes to the following objectives:**

9. *Reduce off-site waste disposal*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

The amount of waste disposed by householders through the weekly Council rubbish collection provides an indication of the amount of waste generated. While the amount of recyclables put out for collection also contributes to environmental impacts, the amount of mixed (non-recyclable) waste is deemed to be a good indicator that is measurable.

How will it be measured?

An agreement will need to be reached with the Council to measure the weight of waste collected from Hobsonville Point. With the changes in local government in Auckland this indicator may need to be reviewed if it cannot be measured as previously assumed.

Development indicators supporting this long term indicator:

- At least 3 public recycling bins are provided in public spaces.
- Education/management programme in place.

Indicator 7:

At least 80% of residents state that they have used a local shop, restaurant, cafe or service in the last week.

Social, Economic, Cultural

Contributes to the following objectives:

11. *Maximise local economic independence*
12. *Maximise opportunities for local employment*
14. *Demonstrate the overall economic benefits of an integrated urban development approach*
17. *Minimise dependence on motor vehicles for daily activity*
20. *Promote a healthy and safe living environment*
24. *Ensure all residents have enhanced access to essential services*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Local services are a vital component of the development approach at Hobsonville Point. For such services to be viable they need to be supported by local residents. Ideally expenditure at local shops would be measured. However this is difficult to measure reliably. Asking about use in the last week, coupled with Indicator 9, provides a practical indication of residents' use and support for local businesses.

How will it be measured?

A question will be included in the resident survey.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

Farmers/local produce market established by 2012.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

75% of dwellings are within 800m walking distance of a convenience store.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Local bus service in place by 2010.

Education/management programme in place.

Indicator 8:

80% of businesses indicate that their business has grown in the last 12 months.

Social, Economic

Contributes to the following objectives:

11. *Maximise local economic independence*
12. *Maximise opportunities for local employment*
14. *Demonstrate the overall economic benefits of an integrated urban development approach*
17. *Minimise dependence on motor vehicles for daily activity*
20. *Promote a healthy and safe living environment*
24. *Ensure all residents have enhanced access to essential services*

Why is this indicator chosen?

Coupled with Indicator 9 this measure provides a reasonable indication of the health of businesses within the development. While a more exact measure of business performance would be desirable, it is likely that local businesses would not readily make such commercial information available.

How will it be measured?

A question will be included in the business survey.

Development indicators supporting this long term indicator:

Fibre to the premises installed.

Opportunities for local retail businesses established.

Farmers/local produce market established by 2012.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

75% of dwellings are within 800m walking distance of a convenience store.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Local bus service in place by 2010.

Education/management programme in place.

Indicator 9:

Marine cluster \$ output increases and contributes to Waitakere economy.

Social, Economic, Cultural

Contributes to the following objectives:

10. *Maximise contribution to Auckland's economic growth through development of marine industry and associated business opportunities at Hobsonville Point*
11. *Maximise local economic independence*
12. *Maximise opportunities for local employment*
14. *Demonstrate the overall economic benefits of an integrated urban development approach*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
25. *Create a distinctive identity for Hobsonville Point*

Why is this indicator chosen?

This indicator determines the health of the Hobsonville Point marine cluster and its contribution to the Waitakere economy.

How will it be measured?

A methodology for measurement will be established in consultation with Waitakere Enterprise.

Development indicators supporting this long term indicator:

20 ha marine industry precinct facilitated and serviced.

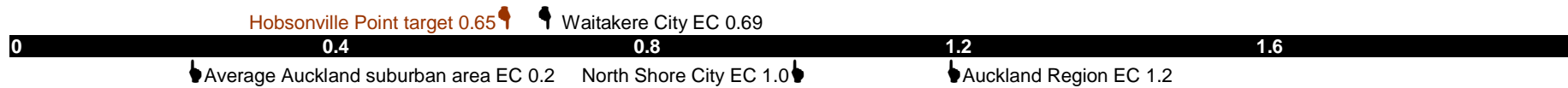
Fibre to the premises installed.

5 ha is provided for mixed use development.

Indicator 10:

At least 0.65 jobs per household are available at Hobsonville Point.

Social, Economic

**Contributes to the following objectives:**

10. *Maximise contribution to Auckland's economic growth through development of marine industry and associated business opportunities at Hobsonville Point*
11. *Maximise local economic independence*
12. *Maximise opportunities for local employment*
14. *Demonstrate the overall economic benefits of an integrated urban development approach*
17. *Minimise dependence on motor vehicles for daily activity*

Why is this indicator chosen?

The provision of jobs within the development area contributes to the sustainability objectives of the development through providing work close to people's residence.

How will it be measured?

Employment Count (EC) data is generated by Statistics New Zealand from tax information, but does not include the self employed or owners of a business. A mixture of EC data and information gathered through the business and resident survey will be used to calculate the total number of jobs.

Development indicators supporting this long term indicator:

20 ha marine industry precinct facilitated and serviced.

Opportunities for local retail businesses established.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

Fibre optic cabling in place and available to every household, education facility and business.

Indicator 11:

The percentage of residents in employment who work locally (North West Auckland) is measured.

Environmental, Social, Economic

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
11. *Maximise local economic independence*
12. *Maximise opportunities for local employment*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
17. *Minimise dependence on motor vehicles for daily activity*

Why is this indicator chosen?

Working locally reduces travelling distance and makes it more likely that residents walk, bike or catch public transport to work. North West Auckland includes the employment centres of Albany, Westgate, Massey, Lincoln North, Whenuapai and Kumeu. No specific target is set because this indicator is heavily influenced by factors beyond the control of the Hobsonville Land Company.

How will it be measured?

A question will be included in the resident survey.

Development indicators supporting this long term indicator:

20 ha marine industry precinct facilitated and serviced.

Opportunities for local retail businesses established.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

Fibre optic cabling in place and available to every household, education facility and business.

Indicator 12:

Business case targets are met.

Environmental, Social, Economic

Contributes to the following objectives:

14. *Demonstrate the overall economic benefits of an integrated urban development approach*

Why is this indicator chosen?

One of the key aims of the Hobsonville Point development is to demonstrate that an integrated urban development is financially viable. Detailed Financial Performance Indicators have been agreed with government and meeting these will be important in building a value case for an integrated development.

How will it be measured?

This indicator will be measured through financial reporting.

Development indicators supporting this long term indicator:

Financial indicators agreed with government are met.

Indicator 13:

50% or more households have one vehicle or less.

Environmental, Social, Economic, Cultural**Contributes to the following objectives:**

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
24. *Ensure that residents have enhanced access to essential services*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

If households own fewer cars it can be assumed that people have less need for a car for day to day activities. Low car ownership may also indicate that people who are unable to drive, because of age, disability or because they do not have a licence, have chosen to live at Hobsonville Point as they perceive it to be a location where they can access all necessary facilities by alternative means.

How will it be measured?

This information is collected through Census data.

PTO

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

Farmers/local produce market established by 2012.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

75% of dwellings are within 400m walking distance of a bus stop and all are within 800m.

75% of dwellings are within 800m walking distance of a convenience store, community facility and early childhood education.

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Ferry facilities in place by 2010.

Local bus service in place by 2010.

Transport Management Association established.

Multifunctional space provided for use by community groups and social service providers.

School facilities are available for community use when not required by school (after hours).

School Travel Plans in place in school's first year of operation.

Fibre optic cabling in place and available to every household, education facility and business.

CPTED assessment of design and completed stages.

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 14:

40% or fewer workers travel to work by driving themselves.

Environmental, Social, Economic, Cultural**Contributes to the following objectives:**

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This measure provides an indication of the trip to work mode share and allows benchmarking against other areas. This indicator needs to be viewed in conjunction with Indicators 14, 16, 17 and 20. Jointly these indicators provide a good indication of travel behaviour.

How will it be measured?

This information will be collected through the census.

Development indicators supporting this long term indicator:

- | | |
|--|---|
| 5 ha is provided for mixed use development. | On-road cycle lanes on Hobsonville Point Road. |
| 75% of dwellings are within 400m walking distance of a bus stop and all are within 800m. | Ferry facilities in place by 2010. |
| 75% of dwellings are within 800m walking distance of early childhood education. | Local bus service in place by 2010. |
| 75% of dwellings are within 1200m walking distance of the primary school. | Transport Management Association established. |
| 75% of dwellings are within 1600m walking distance of the secondary school. | School Travel Plans in place in school's first year of operation. |
| 5 km coastal walk and cycle way. | Fibre optic cabling in place and available to every household, education facility and business. |
| Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive. | CPTED assessment of design and completed stages. |
| | Education/management programme in place. |

Indicator 15:

Mode share of resident trips is monitored through resident survey and targets are set by 2011 and achieved by 2021.

Environmental, Social, Economic, Cultural

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
24. *Ensure that residents have enhanced access to essential services*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Mode share of a variety of trips provides a good indication of travel behaviour. However because such data is seldom collected in a comprehensive manner, it is not possible to establish a target at this point in time. Collecting this data will be useful in building a more complete picture of travel behaviour at Hobsonville Point and will help inform other future developments.

How will it be measured?

This information is collected through the resident survey. It is envisaged that residents will be asked what their usual means of travel is to a number of common destinations, such as work, education, shopping, etc.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

Farmers/local produce market established by 2012.

At least 5% of premises on the spine road are suitable for conversion to commercial/mixed use.

5 ha is provided for mixed use development.

75% of dwellings are within 400m walking distance of a bus stop and all are within 800m.

75% of dwellings are within 800m walking distance of a convenience store, community facility and early childhood education.

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Ferry facilities in place by 2010.

Local bus service in place by 2010.

Transport Management Association established.

Multifunctional space provided for use by community groups and social service providers.

School facilities are available for community use when not required by school (after hours).

School Travel Plans in place in school's first year of operation.

Fibre optic cabling in place and available to every household, education facility and business.

CPTED assessment of design and completed stages.

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 16:

Passenger targets are agreed with ARTA (Auckland Regional Transport Authority) and met.

Environmental, Social, Economic, Cultural

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This indicator measures the viability of the public transport service at Hobsonville Point. This indicator needs to be viewed in conjunction with Indicators 13,14 and 15. Jointly these indicators provide a good indication of travel behaviour.

How will it be measured?

Targets and a measurement methodology will be developed in conjunction with ARTA.

Development indicators supporting this long term indicator

75% of dwellings are within 400m walking distance of a bus stop and all are within 800m.

Ferry facilities in place by 2010.

Local bus service in place by 2010.

CPTED assessment of design and completed stages.

Education/management programme in place.

Indicator 17:

At least 80% of people report positive contact with their neighbours, such as a visit, or asking for a small favour.

Social, Cultural

**Contributes to the following objectives:**

- 20. *Promote a healthy and safe living environment*
- 26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Casual contact between neighbours helps develop a sense of place and belonging. It can be the first step in building more meaningful relationships that can ensure that people are able to rely on neighbours in times of need. The Hobsonville Land Company plans to play an active role in community activation. Welcoming new residents to Hobsonville Point and helping them meet others in the community will form part of this work. This indicator is linked to the Quality of Life survey, therefore allowing for benchmarking.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

At least one local event is held each year.
 Multifunctional space provided for use by community groups and social service providers.
 Community activation programme implemented.
 School facilities are available for community use when not required by school (after hours).

Community body formed of resident, business and school representatives to be involved in the project area.
 At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).
 Education/management programme in place.

Indicator 18:

Fewer than 10% of people report negative contact with their neighbours, where there is outright tension.

Social, Cultural**Contributes to the following objectives:**

- 20. *Promote a healthy and safe living environment*
- 26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

Tension between neighbours can affect people's quality of life and is not conducive to developing a sense of community and belonging. The Hobsonville Land Company plans to play an active role in community activation. Welcoming new residents to Hobsonville Point and helping them meet others in the community will form part of this work. This indicator is linked to the Quality of Life survey, therefore allowing for benchmarking.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

At least one local event is held each year.
 Multifunctional space provided for use by community groups and social service providers.
 Community activation programme implemented.
 School facilities are available for community use when not required by school (after hours).

Community body formed of resident, business and school representatives to be involved in the project area.
 At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).
 Education/management programme in place.

Indicator 19:

At least 70% of people report that they have used a local park in the last month.

Environmental, Economic, Social, Cultural

Waitakere City resident survey 2004, people that used any park 51% ↑

↑ Hobsonville Point target 70%

20%

40%

60%

80%

100%

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
19. *Maximise opportunities for community participation*
20. *Promote a healthy and safe living environment*
21. *Ensure that the public realm is attractive and accessible*
26. *Promote environmental and social responsibility among residents*
29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

Ensuring that people have local recreational facilities that they can use at no cost, and where they can casually meet their neighbours is an important part of any integrated development. However such facilities are only effective if residents use them. The levels of use will indicate if the provided parks meet resident's needs.

How will it be measured?

This indicator will be measured through the resident survey.

PTO ↗

Development indicators supporting this long term indicator:

At least 16 ha is planted/retained in suitable vegetation native to the area (this area will include walkways and other public access amenities).

Opportunities for local retail businesses established.

All dwellings are within 400m walking distance of a public space with recreational facilities (playground, seating, or similar).

Maintenance of public spaces is to a high standard.

CPTED assessment of design and completed stages.

At least one suitable memorial work/site that reflects iwi heritage.

Key historic/architectural buildings are retained and restored and information about these is provided to the public.

Historical trail established to draw out iwi, air force and other local connections.

At least one suitable memorial work/site that reflects the air force heritage.

At least one local event is held each year.

Community body formed of resident, business and school representatives to be involved in the project area.

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 20:

At least 80% of people feel that their neighbourhood is a safe place for unsupervised children.

Social, Cultural

**Contributes to the following objectives:**

17. *Minimise dependence on motor vehicles for daily activity*
19. *Maximise opportunities for community participation*
20. *Promote a healthy and safe living environment*

Why is this indicator chosen?

Children are generally viewed as particularly vulnerable and perceived sense of safety for children therefore acts as a useful indicator for safety overall. This indicator is linked to the Quality of Life survey, therefore allowing for benchmarking.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

All dwellings are within 400m walking distance of a public space with recreational facilities (playground, seating, or similar).

75% of dwellings are within 800m walking distance of a convenience store, community facility and early childhood education.

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Maintenance of public spaces is to a high standard.

Multifunctional space provided for use by community groups and social services providers.

Community activation programme implemented.

School facilities are available for community use when not required by school (after hours).

CPTED assessment of design and completed stages.

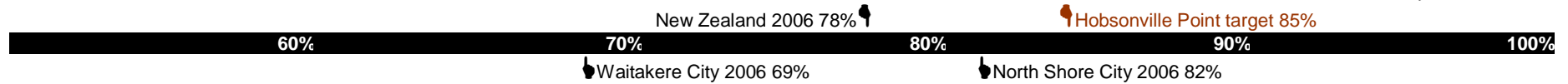
At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 21:

At least 85% of people feel safe in their neighbourhood after dark.

Social, Cultural

**Contributes to the following objectives:**

18. *Create opportunities for all sectors of society to live at Hobsonville Point*
20. *Promote a healthy and safe living environment*

Why is this indicator chosen?

This measure provides an indication of people's perception of safety at night. This indicator is linked to the Quality of Life survey, therefore allowing for benchmarking.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.
 Maintenance of public spaces is to a high standard.
 Multifunctional space provided for use by community groups and social services providers.
 Community activation programme implemented.

CPTED assessment of design and completed stages.
 At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).
 Education/management programme in place.

Indicator 22:

85% of residents rate the quality of public space as good/very good.

Environmental, Economic, Social, Cultural

Contributes to the following objectives:

17. *Minimise dependence on motor vehicles for daily activity*
20. *Promote a healthy and safe living environment*
21. *Ensure that the public realm is attractive and accessible*

Why is this indicator chosen?

This indicator contributes to resident's overall satisfaction with living at Hobsonville Point and measures one of the key aspects that the Hobsonville Land Company has control over. Quality of public space will also influence people's preparedness to undertake local trips on foot or by bicycle.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

Native habitat areas along the coastal corridor are maintained and enhanced.

A management plan for the coastal area is completed that covers planting, weed and pest management strategies.

Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.

At least 3 on site demonstration renewable generation projects.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

At least one local public event is held each year.

Maintenance of public spaces is to a high standard.

CPTED assessment of design and completed stages.

Phoenix palms along Buckley Ave are retained.

At least one suitable memorial work/site that reflects iwi heritage.

Key historic/architectural buildings are retained and restored and information about these is provided to the public.

Historical trail established to draw out iwi, air force and other local connections.

At least one suitable memorial work/site that reflects the air force heritage.

Community body formed of resident, business and school representatives to be involved in the project area.

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 23:

60% of school children bike/walk or catch public transport to school.

Environmental, Social, Economic, Cultural

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
15. *Demonstrate the impacts of an environmentally efficient development approach on household expenditure*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
24. *Ensure that residents have enhanced access to essential services*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This indicator measures the mode share of the trip to school. It also provides an indication of perceived safety, as parent's concerns about safety is one of the main reasons for driving their children to school.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

5 ha is provided for mixed use development.

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Ferry facilities in place by 2010.

Local bus service in place by 2010.

Transport Management Association established.

School Travel Plans in place in school's first year of operation.

CPTED assessment of design and completed stages.

Education/management programme in place.

Indicator 24:

35% of residents participate in community/adult education.

Environmental, Social, Economic, Cultural

Waitakere City resident survey 2004 27% ↑

↑ Hobsonville Point target 35%

20%

40%

60%

80%

100%

Contributes to the following objectives:

- 22. *Maximise opportunities for Hobsonville Point to become a learning community*
- 26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This indicator measures resident's participation in lifelong learning. Additionally it will provide some indication of resident's participation in sustainability education provided as part of community management at Hobsonville Point.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

Multifunctional space provided for use by community groups and social services providers.

Community activation programme implemented.

School facilities are available for community use when not required by school (after hours).

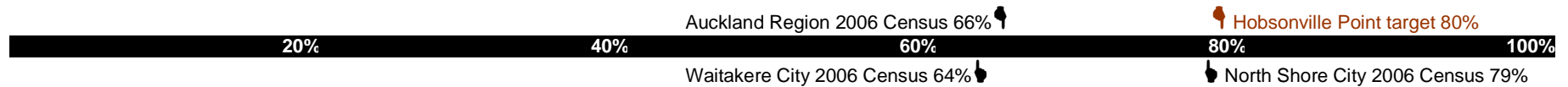
Fibre optic cabling in place and available to every household, education facility and business.

Education/management programme in place.

Indicator 25:

80% of households have access to the internet.

Environmental, Social, Economic, Cultural

**Contributes to the following objectives:**

17. *Minimise dependence on motor vehicles for daily activity*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
24. *Ensure that residents have enhanced access to essential services*

Why is this indicator chosen?

Access to the internet is regarded as an essential service and will contribute to Hobsonville Point becoming a learning community. Some residents will chose not to connect while others may be unable to do so for economic reasons. For the latter, community internet services may be available.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator

Fibre optic cabling in place and available to every household, education facility and business.

Indicator 26:

95% of people feel that the Hobsonville Point site is very/reasonably safe for pedestrians.

Environmental, Social, Economic, Cultural

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
20. *Promote a healthy and safe living environment*
26. *Promote environmental and social responsibility among residents*
29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

Walking underpins many of the sustainability aims at Hobsonville Point. It is a sustainable mode of transport, increases health and fitness, helps create vibrant streets and encourages interaction among residents. People will only walk when they feel that it is safe to do so. Perceived safety is therefore a useful indicator.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

Opportunities for local retail businesses established.

5 ha is provided for mixed use development.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Transport Management Association established.

CPTED assessment of design and completed stages.

Indicator 27:

95% of cyclists feel that cycling within the Hobsonville Point site is very/reasonably safe.

Environmental, Social, Economic, Cultural

Contributes to the following objectives:

3. *Reduce non-renewable energy use*
5. *Energy efficiency*
7. *Improve water quality*
16. *Support the Auckland Regional Transport Strategy*
17. *Minimise dependence on motor vehicles for daily activity*
18. *Create opportunities for all sectors of society to live at Hobsonville Point*
20. *Promote a healthy and safe living environment*
26. *Promote environmental and social responsibility among residents*
29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

Cycling is a sustainable transport mode particularly well suited to local trips. Safety is one of the key factors preventing people from choosing this option.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

5 km coastal walk and cycle way.

On-road cycle lanes on Hobsonville Point Road.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

Transport Management Association established.

Indicator 28:

Location strategy implemented by the end of stage two of development.

Social, Economic, Cultural

Contributes to the following objectives:

21. *Ensure that the public realm is attractive and accessible*
25. *Create a distinctive identity for Hobsonville Point*
27. *Acknowledge the Haukainga (home people) of the area*
28. *Ensure that Hobsonville Point's future reflects its past*
29. *Promote a diverse range of cultural, sporting and other opportunities*
30. *Celebrate local events*

Why is this indicator chosen?

It is difficult to measure resident's sense of place or belonging directly. The implementation of the location strategy will help foster a sense of place and belonging and will also contribute to other objectives.

How will it be measured?

This indicator will be measured through internal reporting.

Development indicators supporting this long term indicator

NA

Indicator 29:

At least 75% of residents feel a sense of community in the local neighbourhood.

Social, Cultural

**Contributes to the following objectives:**

19. *Maximise opportunities for community participation*
25. *Create a distinctive identity for Hobsonville Point*

Why is this indicator chosen?

Fostering a sense of community is one of the aims that will underpin the delivery of many of the social objectives at Hobsonville Point. This indicator is linked to the Quality of Life survey, therefore allowing for benchmarking.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

Community body formed of residents, businesses and school representatives to be involved in the project area.

Community activation programme implemented.

Multifunctional space provided for use by community groups and social services providers.

At least one local public event is held each year.

CPTED assessment of design and completed stages.

School facilities are available for community use when not required by school (after hours).

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.

Indicator 30:

30% of residents state that they participate in local residents' association/community body activities.

Social, Cultural

Contributes to the following objectives:

- 19. *Maximise opportunities for community participation*
- 29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

The local residents' association/community body will make many of the long-term day to day decisions about the management of Hobsonville Point. For this to be an inclusive process a reasonable percentage of people need to participate in activities.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

Community body formed of residents, businesses and school representatives to be involved in the project area.

Education/management programme in place.

Community activation programme implemented.

Multifunctional space provided for use by community groups and social services providers.

Fibre optic cabling in place and available to every household, education facility and business.

Indicator 31:

At least 55% of residents have taken action during the past year to improve the natural environment.

Environmental, Social, Cultural

**Contributes to the following objectives:**

1. *Create an integrated natural habitat*
2. *Increase indigenous biodiversity*
19. *Maximise opportunities for community participation*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

This indicator is based on a question in the Waitakere Resident Survey, thus allowing a comparison between behaviour and attitudes of Hobsonville Point residents with the wider area. While the Hobsonville Land Company will be able to manage habitat creation in public spaces, resident participation will be needed to ensure that 'backyards' contribute to this habitat. Additionally, ensuring that residents participate in habitat creation and restoration in public areas will help foster resident behaviour beneficial to habitat protection, such as appropriate control of pets and avoidance of garden plants with weed potential.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

Education/management programme in place.

Community activation programme implemented.

Indicator 32:

The percentage of residents who report seeing tui and fantails in their garden or neighbourhood during the last week increases over time.

Cultural, Environmental, Social

Contributes to the following objectives:

1. *Create an integrated natural habitat*
2. *Increase indigenous biodiversity*
19. *Maximise opportunities for community participation*
21. *Ensure that the public realm is attractive and accessible*
22. *Maximise opportunities for Hobsonville Point to become a learning community*
26. *Promote environmental and social responsibility among residents*

Why is this indicator chosen?

The aim is to obtain an indication of resident's connectedness with the natural environment and the habitat value of the natural areas retained and created at Hobsonville Point. Presence of tui indicates an abundance of good fruiting/flowering species and presence of fantails indicates good vegetative cover/understorey. Both indicate low predator/competitor levels (possum, cat, rat). Additionally, the indicator demonstrates people's ability to identify these species and their level of interaction with the natural environment in their neighbourhood. Tui and fantails are species that are easily identifiable by the layperson. Bird identification would form part of a resident education programme.

How will it be measured?

This indicator will be measured through the resident survey.

Development indicators supporting this long term indicator:

Native habitat areas along the coastal corridor are maintained and enhanced.

A management plan for the coastal area is completed that covers planting, weed and pest management strategies.

Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.

Eco sourced native plants are used where native plants are planted in public areas.

Education/management programme in place.

5 km coastal walk and cycle way.

Indicator 33:

80% of residents have visited at least one of the heritage sites at Hobsonville Point.

Social, Cultural

Contributes to the following objectives:

- 21. *Ensure that the public realm is attractive and accessible*
- 22. *Maximise opportunities for Hobsonville Point to become a learning community*
- 25. *Create a distinctive identity for Hobsonville Point*
- 28. *Ensure that Hobsonville Point's future reflects its past*
- 29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

This indicator measures people's awareness of Hobsonville Point's heritage.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

At least one suitable memorial work/site that reflects the iwi heritage.
Key historic/architectural buildings are retained and restored and information about these is provided to the public.
Historical trail established to draw out iwi, air force and other local connections.

A comprehensive historical and cultural assessment is undertaken and the findings are made available to local residents.
At least one suitable memorial work/site that reflects the air force heritage.
Education/management programme in place.

Indicator 34:

The Headquarters building, Mill House, the 'Arts and Crafts' style officer housing and the Sunderland Lounge are retained and converted to appropriate use.

Social, Cultural

Contributes to the following objectives:

- 22. *Maximise opportunities for Hobsonville Point to become a learning community*
- 25. *Create a distinctive identity for Hobsonville Point*
- 28. *Ensure that Hobsonville Point's future reflects its past*

Why is this indicator chosen?

These are buildings with strong air force heritage. Retaining these buildings and ensuring that they are used is an indicator that Hobsonville Point's heritage is respected.

How will it be measured?

This indicator will be measured through internal reporting.

Development indicators supporting this long term indicator

Key historic/architectural buildings are retained and restored and information about these is provided to the public.

Education/management programme in place.

A comprehensive historical and cultural assessment is undertaken and the findings are made available to local residents.

Indicator 35:

75% of residents participate in cultural, sporting or recreational activities.

Social, Cultural

Contributes to the following objectives:

19. *Maximise opportunities for community participation*
29. *Promote a diverse range of cultural, sporting and other opportunities*

Why is this indicator chosen?

This measure provides an indication of the accessibility of cultural, sporting and recreational activities and people's uptake of them.

How will it be measured?

This information is collected through the resident survey.

Development indicators supporting this long term indicator:

Native habitat areas along the coastal corridor are maintained and enhanced.

A management plan for the coastal area is completed that covers planting, weed and pest management strategies.

Hobsonville Point Park is established to link the coastal green corridor between Clark Road and SH18.

All dwellings are within 400m walking distance of a public space with recreational facilities (playground, seating, or similar).

75% of dwellings are within 800m walking distance of a community facility.

75% of dwellings are within 1200m walking distance of the primary school.

75% of dwellings are within 1600m walking distance of the secondary school.

5 km coastal walk and cycle way.

Shared off-road pedestrian and cycle paths on Hobsonville Point Road and Squadron Drive.

On-road cycle lanes on Hobsonville Point Road.

Ferry facilities in place by 2010.

Local bus service in place by 2010.

At least one local public event is held each year.

Multifunctional space provided for use by community groups and social services providers.

Community activation programme implemented.

School facilities are available for community use when not required by school (after hours).

CPTED assessment of design and completed stages.

Historical trail established to draw out iwi, air force and other local connections.

Community body formed of resident, business and school representatives to be involved in the project area.

At least five different types of active recreation facilities/areas are provided (such as boat launching, basketball, walking/cycling track, school sports fields, netball court, community hall, skate park, BBQ areas).

Education/management programme in place.