



Manly Sustainability Strategy: For Today and Future Generations

www.manly.nsw.gov.au/Sustainability-Strategy.html

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A Message from the Mayor

Here in Manly, we are blessed with a caring community, a healthy economy and an abundance of natural beauty. We are bordered by both the beautiful Pacific Ocean and the picturesque Sydney Harbour; we are spoilt with untouched Bushland at North Head and Bantry Bay and our parklands and bush walks continue to enjoy increasing popularity with locals and visitors alike. We enjoy an active, outdoor lifestyle in a cohesive society where diversity is acknowledged and respect is encouraged.

“The Manly Sustainability Strategy: For Today and Future Generations” is Council’s plan to ensure that we as a community protect and maintain that way of life, partly for our own enjoyment but more importantly for the enjoyment of generations to come. It is Manly Council’s road map for the management of our natural resources, giving us detailed direction for the way forward. The purpose of the document is to act as a point of reference in every decision making process within Council, as we strive to ensure that the people of Manly live and work in harmony with each other and with our environment.

The Strategy is a constantly evolving framework as it needs to be both relevant and applicable to its time. This is in fact the second review since Council first developed a Conservation Strategy in 1998 and I commend all those staff members and community representatives who were involved in the review process. I look forward to working with staff, the community and other levels of Government to ensure the smooth implementation of “The Manly Sustainability Strategy: For today and future generations”. I have no doubt it will lead to a richer community for the enjoyment of us all.

Clr Dr Peter Macdonald
Mayor of Manly

Foreword

Despite its use by Federal, State and Local governments since the early 1990s, the word “sustainability” has not yet become an integral part of our language, our lifestyle or our way of thinking. However business and industry are beginning to respond to global pressures such as human-induced climate change, the depletion of our planet’s oil supplies, and the ever-growing list of species at risk of disappearing for ever. Social and environmental capital are becoming recognised as being important factors in our wellbeing.

Local government is well placed to work with the local community to make sustainable living a reality. Environmental awareness is high, but the challenge for all of us is to change that awareness into action – action that maintains a viable economy while respecting the many connections between the environment and our ability to meet human needs both here and in less developed countries.

Since the adoption of Manly’s initial award-winning Conservation Strategy back in 1998, we have recognised the need to manage our precious environment in ways that conserve it for present and future generations. But the Local Agenda 21 Action Plan for Sustainability developed at the global Earth Summit in Rio de Janeiro in 1992 recognised sustainability as more than just conserving the environment.

All over the world people are striving to better integrate the ways in which we manage the environment, our lifestyles and our economy. In 2002, as part of that process members of the United Nations Environment Program held a forum in Melbourne to develop a set of principles for Sustainable Cities. Those ten principles are designed to guide thinking and to provide a strategic framework on which communities and decision-makers can together transform our cities so that their impacts on the earth are sustainable.

This revised Manly Sustainable Strategy uses the Melbourne Principles for Sustainable Cities to guide Manly’s development as a place that is in tune not simply with our local economy, but also with the natural and cultural environment that makes Manly a special place.

The Melbourne Principles begin with a vision “to create environmentally healthy, vibrant and sustainable cities where people respect one another and nature, to the benefit of all.”

Using the Melbourne Principles as a ‘roadmap’ Council staff, with input from members of the Manly Sustainability Strategy Management Group and Manly’s Scientific Advisory Panel, have restructured the Manly Sustainability Strategy so that it better brings together the needs of Manly’s people and our environment. I am confident that this updated Manly Sustainability Strategy will guide Council, the community and local businesses in ensuring that Manly remains a special place ‘for today and future generations’.

Clr Dr Judy Lambert AM.

Chairperson

Manly Sustainability Strategy Management Group

Acknowledgements

The Manly Sustainability Strategy 2006 is the result of the three year review of the MSS 2002. The update, taking 1.5 years, involved many members of the Manly community, community committees and Manly Council staff. In particular, the following people have given substantial time to assist the Strategy's development:

Clr Dr Judy Lambert AM (Chairperson SAP and MSSMG)
Mr Josh Dowse (Community Member MSSMG)
Dr Peter Mitchell OAM (founding SAP member)

Additionally, the following Committees have been actively involved:

The MSS Management Group, overseeing Committee of the review:

Clr Dr Judy Lambert AM (Chairperson)
Clr Barbara Aird
Mr Josh Dowse
Mr Richard Hewitt
Mrs Keelah Lam
Ms Sophia Leon de la Barra
Ms Tracy Davey (joined September, 2006)
Mr James Walker (joined October, 2006)

Manly Scientific Advisory Panel:

Dr Peter Mitchell OAM (founding member)
Emeritus Prof. Valerie Brown AO
Mr Phil Colman
Dr Anthony Fischer-Cripps
Dr Armstrong Osborne
Dr Dave Rissik
Associate Prof. Jan Ritchie

The 'Surfing the Future' report has recognised and thanked the Futures Forum Committee members who guided that community consultation process. The members of the MSS Management Group also wish to extend their appreciation to this Committee.

It is acknowledged that many Manly Council staff contributed significantly to this review process, particularly members of the Corporate Planning and Strategy Division, and that their passion and enthusiasm has been a major contributor to this document's success.

Executive Summary: Building on what has already been achieved

Why a Sustainability Strategy:

Since our 2002 Sustainability Strategy, our social and environmental capital have continued to be threatened, yet we see everywhere how wise policies and undervalued human qualities hold the promise of social and environmental sustainability.

The terrorism and military responses since 11 September 2001 have risked a spiral of violence that destroys social capital on a global scale. Such violence diverts resources from nurturing our democratic institutions, human dignity and spirit, health, talent and relationships. For these goals we have made deep social investments in dialogue and business, in culture and education.

Every day in Manly, as elsewhere, we see how human dignity has a value without price and delivers rewards without measure – in our schools, in Manly's festivals, in our community volunteering, in locals welcoming visitors, in beachgoers respecting others' time and space.

Principles of social sustainability serve to maintain human dignity in all its settings, to respect both the legacy of our forebears and the promise of our children, so that future generations may enjoy what we have enjoyed, or better.

Also since 2001, climate change has been confirmed as our greatest environmental threat, and international debate has shifted from the science of global warming to the policies that may contain and manage it. Many of those policies are leading to new technologies and opportunities for business, employment and fulfilment – a low emissions economy that holds new possibilities for energy, transport, communication and the home. Australia may yet enjoy many of these opportunities, if we demand to be a part of them.

Greenhouse gas emissions are of course just one part of our ecological footprint. There is a suite of options now available to reduce that footprint to a sustainable level. As citizens of Manly, stewards of a unique corner of our world, we have the chance to be one of many communities playing a leading role towards global sustainability. We have the resources and initiative to model how economic wealth can be compatible with ecological and social sustainability. It is our choice.

Without such a model, here or elsewhere, Manly's environment of 2050 may not be worth visiting.

With it, generations after ours may still ride a ferry across Sydney Heads, past Little Penguins thriving in their native habitat, to surf a thousand miles from care.

Social and ecological sustainability will not happen by chance. Achieving it requires thought, commitment and action. This strategy serves as a guide for our Council and community.

What is sustainability?

'Sustainability' is a new word that entered the Macquarie Dictionary only in 1996. It stems directly the phrase 'sustainable development', coined by the 1987 Brundtland Commission:

Development that meets the needs of the present without compromising the ability of future generations to meet their own needs

That is what we are aspiring to.

Manly's Sustainability Strategy

Through 2005, the Manly community and Council worked together through the myManly and Manly Futures Forums to agree on a vision for Manly:

"A vibrant and inclusive community which values its heritage and works together to create a sustainable lifestyle and environment for all to enjoy."

This vision was fully painted in our 2005 publication *Surfing the Future: A Vision of Manly for 2025*. Our revised Manly Sustainability Strategy guides our Council, citizens and stakeholders toward that vision, presenting us with a series of concrete actions. These actions are not 'quick-fixes', but policies that will allow our families and future generations to enjoy the best that Manly has to offer. With them, Manly will continue to build awareness in sustainability, and play our part in both local and global solutions – to "think globally and act locally".

The Manly Sustainability Strategy is an active management document that seeks to ensure that Manly Council meets its obligations to strive for development that is ecologically sustainable. It is primarily a policy document to guide Council's operations and to ensure that sustainability thinking is not only spoken, but acted out on the ground.

Council will implement the Strategy through its business and decision making, and will pursue its objectives through Council's Management Plan and operational plans. Our progress will be reported through Council's Annual Report and its State of Environment Report. The Strategy will be reviewed again in 2010.

Another step towards sustainability

In her foreword, Cllr Dr Judy Lambert AM tells how the Manly Sustainability Strategy is another deliberate step in our community's journey towards sustainability. Our award-winning 1998 Manly Conservation Strategy was Manly's adoption of the Agenda 21 global agreement (struck at the 1992 Rio "Earth Summit"), and also addressed the 1997 Ecologically Sustainable Development (ESD) amendments to the Local Government Act. The Strategy was first reviewed in 2002 to reflect changing attitudes and possibilities, was reviewed again in 2006, and will continue to be re-assessed every four years.

What we want to sustain

Achieving sustainability asks us to take on specific social and environmental themes, and to work on them with our best intent and abilities. *Surfing the Future* set out six such themes, covering our culture, business, governance, ecology, tourism and transport.

For this Strategy, we have adopted the United Nations Sustainability Principles – the ‘Melbourne Principles’ – as a slightly different set, but one that is consistent with how many other communities think about sustainability.

The themes that this Strategy takes on are:

- **A Safe and Cohesive Manly** (our social and economic security)
- **A Natural, Sustainable Manly** (our ecosystems and ecological footprint)
- **A Living Manly** (sustainable land use and transport; our culture and history)
- **An Involved Manly** (our social capital of community networks and cooperation), and
- **A Well Governed Manly** (our sustainability governance, research and measurement).

These are what this Strategy looks to safeguard for now and future generations. Few would argue with their value. Yet the unintended consequences of short-term policies and actions have and can easily put them at risk. The Strategy works to reduce those risks by applying the best of our community capacities.

How we intend to sustain them

Our community will achieve sustainability only by harnessing our leadership, organisational and communication skills in a holistic way. All of the actions set out in this Strategy depend on Council applying these skills as effectively as possible:

- **Leadership:** Council leading by example, managing and improving its own sustainability performance in its policies, governance and operations.
- **Education:** Council ensuring that citizens, businesses and community groups know what they need to know to play their part in sustainability.
- **Partnerships:** Council fostering partnerships with and between community, business and government agencies to align interests and overcome barriers.
- **Participation:** Council fostering and coordinating the widespread involvement of local people and organisations, and the activities that bring them together.
- **A holistic approach:** Council adopting and nurturing a broad approach that links together physical, environmental, economic, social, health and cultural issues.
- **Measurement:** Council undertaking to measure, monitor and report on the community’s progress towards sustainability.

Responsibilities for these areas of action are set out for each of the detailed sections of the Strategy.

Priorities in the 2006 strategy

Assessing the emerging science and Council's progress on sustainability since 2002, we have identified five themes and three objectives that will require our greatest attention in the immediate future. Beyond pointing to these areas for attention, the Strategy does not impose priorities among its comprehensive set of sustainability initiatives, but guiding timeframes. These priorities will be set annually by Council in its management and operational plans.

The social and environmental themes we see as priorities are:

- Contributing to the global climate change response
- Securing Manly's waterways and water use
- Reducing our waste
- Maintaining and improving wellbeing and quality of life in Manly
- Protecting and restoring the diversity of species and their habitats in Manly

In addition, we have identified three things that require greater attention if we are to achieve our sustainability goals:

- Further integrating social considerations into the Sustainability Strategy;
- Taking the necessary management actions to ensure Council leads by example, including:
- Confirming the Strategy as an overarching guide that ensures 'sustainability' truly is core business for Council's operations.

Stakeholders for sustainability

The Strategy acknowledges that achieving sustainability in Manly requires the collaboration of our citizens, community groups, businesses, and local, state and federal government agencies. Though this document is publicly available and is part of our engagement approach with other stakeholders, the Strategy is intended to guide Council's actions and those of its offices, such as the Manly Environment Centre. As this Strategy suggests, we will be liaising with business, community groups and other agencies in more direct ways, meeting in many formats and using documents designed for that purpose.

Programs of the Strategy

The strategy addresses the vision through the following principles and programs for the creation of sustainable cities (as adapted from United Nations, 2002):

A. A Long Term Vision for Manly

A1. *A shared long-term vision for Manly based on: sustainability, intergenerational, social, economic and political equity; and our individuality.*

A1.1 Ten Year Visioning Process
page 32

A1.2 Maintenance of the Manly Sustainability Strategy Program
page 32

B. A Safe and Cohesive Manly

B1. *Achieve long-term social and economic security.*

B1.1 Creating "Sense of Place" /Neighbourhood Renewal Program page 36

B1.2 Community Services and Development Program
page 36

B1.3 Housing and Sustainability Program

B1.4 Sustaining Healthy Communities Program

B1.5 Financial Reform and Economic Policy for Sustainability Program

B1.6 Sustainable Coastal Tourism Program

B1.7 Companion Animals Program.

C. A Natural, Sustainable Manly

C1. *Recognise the intrinsic value of Manly's geodiversity, biodiversity and natural ecosystems, and protect and restore them.*

C1.1 Protecting our Water Cycle and Catchments Program

C1.2 Sustainable Marine Environments Program

C1.3 Coastline and Estuary Management Program

C1.4 Geodiversity Program

C1.5 Maintaining our Biodiversity and Terrestrial Environments Program

C1.6 Flora Program

C1.7 Fauna Protection Program

C2. *Enable Manly's community to minimise our ecological footprint.*

C2.1 Water Cycle Management Program

C2.2 Sustainable Energy

C2.3 Corporate Greenhouse Program

C2.4 Responding to Greenhouse and Climate Change Program

C2.5 Preserving Air Quality Program

C2.6 Waste Avoidance Program

C3. *Promote sustainable production and consumption, through appropriate use of environmentally sound technologies and effective demand management.*

C3.1 Responsible Production and Purchasing Program

D. A Living Manly

D1. *Build on the characteristics of ecosystems in the development and nurturing of a healthy and sustainable Manly.*

D1.1 Land Information Systems

D1.2 Managing Urban and Regional Growth

D1.3 Integrating Land Use and Balanced Transport

D1.4 TravelSmart Program

D1.5 Liveable Neighbourhoods Program

D2. *Recognise and build on the distinctive characteristics of Manly, including its human and cultural values, history and natural systems.*

D2.1 Conserving Cultural Heritage and Landscapes Program

D2.2 Indigenous Communities and Sustainability

D2.3 Sustainability through Culture and the Arts

E. An Involved Manly

- E1. Empower people and foster participation.*
 - E1.1 Schools for Sustainability Program
 - E1.2 Businesses for Sustainability
 - E1.3 Volunteers program
 - E1.4 Libraries Building Sustainable Communities
 - E1.5 Manly Environment Centre
- E2. Expand and enable cooperative networks to work towards a common, sustainable future.*
 - E2.1 Partnerships for Action
 - E2.2 Sustainability in the Region - SHOROC

F. A Well Governed Manly

- F1. Enable continual improvement, based on accountability, transparency and good governance.*
 - F1.1 Embracing Sustainability in Government - Leading by Example
 - F1.2 Research and Development for Sustainability Program
 - F1.3 Assessing, Measuring and Reporting on Sustainability

Celebrating What Has Already Been Achieved: Manly's Key Sustainability Milestones



1980's Community Advocacy through the "Poo" marches



1991 Council and community established the Manly Environment Centre.



1992 Meeting the Challenges community visioning and seminar event



1994 Shaping our Future: Setting the shared community vision and Beyond 2000 strategy.

1997 Council appoints a "Conservation Officer" to prepare the Manly Conservation Strategy

1997 Manly community votes to establish an Environmental Levy

1997 Manly's Little Penguin and Long Nosed bandicoot populations receive protection as Endangered Populations.



1998 Council adopts the Manly Conservation Strategy and establishes its first community Scientific Advisory Panel having 12 members.

1998 The Strategy was printed and distributed to every Council and Catchment Management Committee in NSW by the Sydney Northern Beaches Catchment Management Committee, in the hope that it might act as a blueprint for local sustainability.

1998 Metro Pride Awards - Winner Environmental Policy Initiatives category

1998 Local Government and Shires Associations of NSW Excellence in the Environment Awards - Highly Commended Local Agenda 21 category

1998 National Environment Australia and Keep Australia Beautiful Council "Vision for Australia" Award Finalist

1998 Council appoints its first Social Planner

1999 Council appoints an Ecological Sustainability Planner

1999 Council joins Cities for Climate Protection to inventory and reduce greenhouse gases



2000 Cabbage Tree Bay declared a No Take Aquatic Reserve.

2001 The first review of the Manly Conservation Strategy, resulting in the MSS

- 2001 Joint Overall Winner Local Government and Shires Associations of NSW, Excellence in the Environment Awards - Local Sustainability Category.
- 2001 Highly Commended National Innovation in Local Government Awards, Local Agenda 21 Category
- 2002 Overall Winner - Overall Award of the Keep Australia Beautiful Metro Pride Awards - MSS
- 2003 Council adopts Education for Sustainability Strategy, one of NSW State's first
- 2005 Council resolves to allocate \$1million to create an Environmental History Museum for Manly.
- 2005 Council and community hold a Futures Forum and the "Surfing the Futures" Report is produced.
- 2006 Manly Environment Centre celebrates its 15th Anniversary.
- 2006 Council reviews and updates the MSS through adoption of the United Nations Principles for Sustainable Cities.



Many programs directed by the Strategy have also been the recipient of State and National Awards.

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1.0 Introduction

The Manly Sustainability Strategy is a living and evolving document that seeks to ensure that Manly Council meets its obligations to strive for development that is ecologically sustainable.

The Strategy is primarily a policy document to guide Council's operations. Using the Melbourne Principles for Sustainable Cities as a framework, this latest update of the Strategy has been restructured to better integrate the interactions between different parts of Council. In the interests of making high level policy relevant to Council's day-to-day operations and the ways in which they might be influenced by sustainability considerations, the Strategy provides a context for each sustainability principle, and identifies areas of Council action through which sustainability will be addressed.

1.1 Our Vision Framework

Visioning is an important element of any Local Agenda 21 process on the pathway to sustainability. Setting a future vision ensures strategic long term thinking, particularly for policy and planning, so we do not run the risk of becoming too focused on daily issues at the possible expense of future generations.

Manly's visioning for the future is supported at the global level by the United Nations Vision for the Creation of Sustainable Cities:

"To create environmentally healthy, vibrant and sustainable cities where people respect one another and nature, to the benefit of all".

During 2005/06, the future direction of Manly was the subject of much discussion, with the past community vision of 1994 re-affirmed and updated by the community via the myManly event held in February 2005, and Manly Futures Forum held in September, 2005, as part of the consultation processes for the MSS. The following is the 'updated' shared community vision:

"A vibrant and inclusive community, which values its heritage and works together to create a sustainable lifestyle and environment for all to enjoy".

1.1.1 myManly

myManly was the first community consultation event for the MSS three year review. It encouraged the Manly community to identify the experiences, places and things which make Manly special, and express them through artwork, photograph or poetry. Artwork, rather than written submissions, were used to encourage participation from a wider sector of the community than might usually engage with 'sustainability' planning.

The competition was a success with 45 artworks submitted, many of an exceptionally high quality. The judging panel voted unanimously on a winner for each category as well as a number of highly commended awards, and 40 people voted through the online Virtual Exhibition. The online exhibition ran from 14th – 25th February 2005.

The major findings were that there are many features of Manly that are important to our community and that should be considered during policy making, including special activities around the sea and beach like swimming, snorkelling, sea and surf, enjoying the relaxing atmosphere and our natural heritage and wildlife. The main aspects were Manly's natural

features, especially our waterways, bushland and wildlife, as well as our unique mix of beach, art and cosmopolitan culture.

1.1.2 Futures Forum

Council has held two previous community Futures Forum events in 1992 and 1994 to identify a vision for the future and to guide policy direction. The 2005 Manly Futures Forum built on these events.

Prior to the Futures Forum of September 2005, consultants from the Australia Street Company interviewed people with an interest in Manly to identify background insights and perspectives on topics of concern, such as environmental issues, gentrification and development pressures, tourism management and pressures on local government. These insights informed the program for the two day Manly Futures Forum, at which invited expert speakers presented their views on the challenges and opportunities for moving forward. Local residents were then involved in Forum workshops that debated issues such as:

- eco-initiatives
- social and cultural change
- the future of arts, recreation, leisure and tourism
- how online Council should be
- what individuals can do to foster good outcomes for Manly's future.

1.1.3 Surfing the Future – A Vision for the Manly Local Government Area for 2025

Developed from the outcomes of the myManly and Manly Futures Forum, Surfing the Future provides a direction to aim towards for the year 2025. The opportunities are intended to be broad in their focus, because other documents, such as the Social Plan and the MSS sit underneath the vision and contain more detail about how to achieve it.

Surfing the Future is viewed as a 'road map' for our journey, with a vision for how we will get from 2005 to 2025, but with the acknowledgement that there is more than one route! It identifies major themes important for achieving Manly's vision as listed below. These major themes were intended to guide the MSS, however, the MSS Management Group recognised that they did not align directly with the UN Melbourne Principles for Sustainable Cities which were identified as the appropriate basis for the MSS. Therefore additional themes were developed as detailed below in the right hand column.

Surfing the Future Themes	Updated Manly Sustainability Strategy Themes
	A Long Term Vision for Manly
A Living Manly – inclusive society and culture	A Safe and Cohesive Manly
A Visitor Friendly Manly – a place to stop and stay a while	
An Affordable Manly – accommodation for our future	
A Natural Manly – a sustainable environment	A Natural Manly
A Moving Manly – transport, access, getting around	A Living Manly
	An Involved Manly
A Well Governed Manly – the role of local government	A Well Governed Manly

1.1.4 Climate Change Forum

On October 29, 2006 Council's Manly Environment Centre conducted a very successful Climate Change Forum titled 'Weathering the Storm'. During this session many views were expressed about what climate change will mean for Manly and some of the management options were outlined. The forum coincided with rising concern about this issue in the local community and at the highest political levels in Australia and it clear that Manly's response to climate change is now a very high priority issue.

At Council's Ordinary Meeting of 20 November 2006, Council resolved to adopt a Mayoral Minute entitled *Global Warming: Local Solutions - Time for Action*, which requires the establishment of a **"Climate Change Working Group"** to identify likely impacts of climate change and to provide advice on prevention and mitigation strategies.

Possible effects of climate change have been addressed in a number of places in the MSS but to date no concerted effort to assess the likely impacts has been undertaken and it is Council's intention to undertake a full review and risk assessment early in 2007. It is expected that this process will be conducted through a workshop process and a review panel using the recently published guidelines from the Australian Greenhouse Office. It can be anticipated that recommendations from the review panel may modify a number of the actions identified in this version of the MSS.

1.1.5 Implementing our Vision Framework

These aforementioned events were the community consultation processes for this updated MSS. The MSS provides the detail behind this vision, which can be best explained through the following figure:

Figure 1: Visions to Action.



1.2 Policy Framework

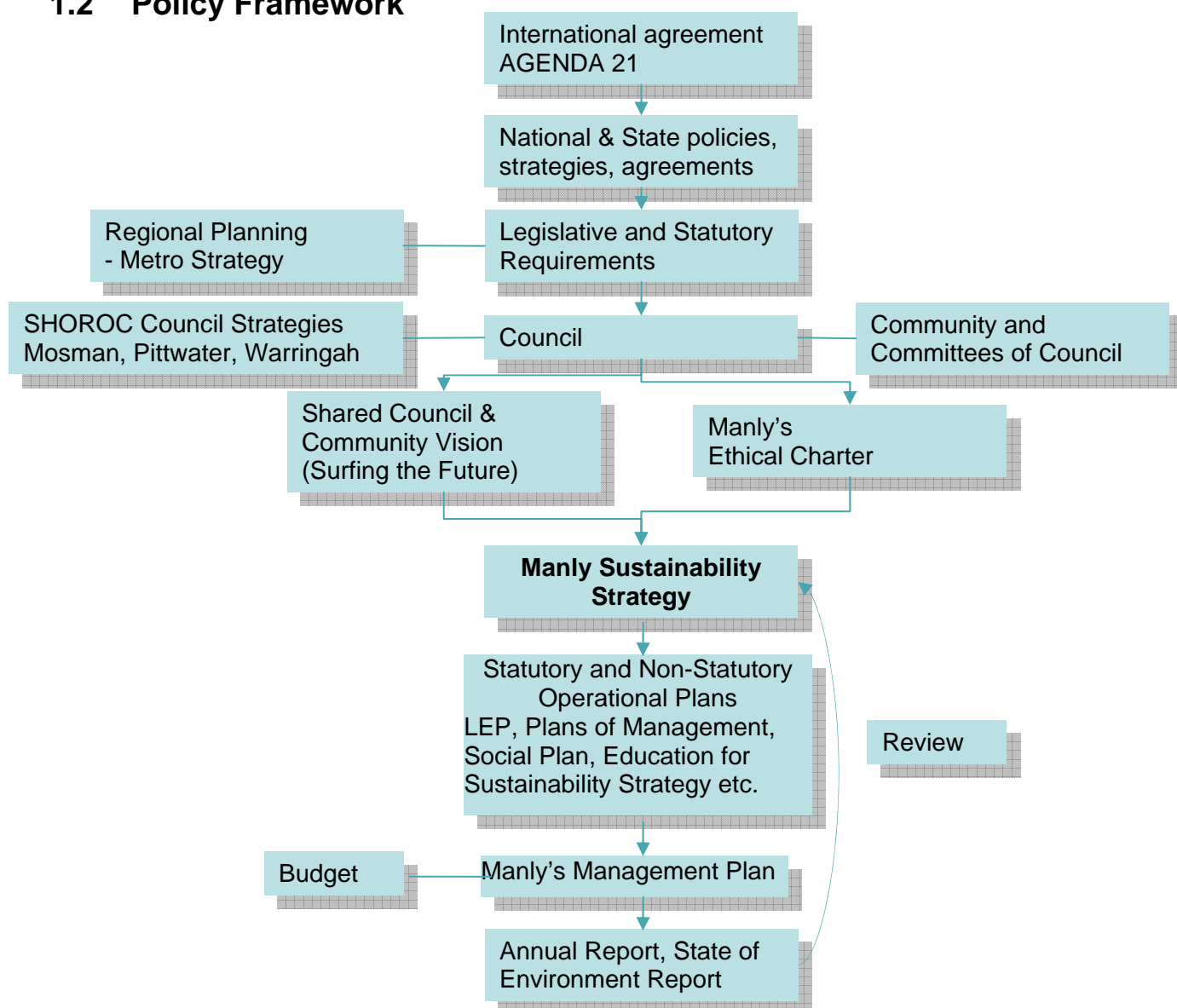


Figure 2: Policy framework driving sustainability at Manly

1.2.1 International Agreements: The Global Context

The World Conservation Strategy, developed in 1980 and revised in 1991, was the first document to use the term “sustainable development”. It stressed that our quest for economic development and the then current level and way of living would not sustain us into the 21st Century. It argued that we must balance our activities with the capabilities of the Earth, to ensure that future generations inherit at least the same quality of life and environment that we then experienced.

In 1992, world leaders, including over 400,000 people from 18,000 organisations and 178 countries, met in Rio de Janeiro for the United Nations Environment and Development Conference, known as the “Earth Summit”. The Summit established the principles for sustainable development, and formulated the now historic document ‘Agenda 21’ - the global action plan to put these principles in place.

Local Agenda 21 originates from Chapter 28 of Agenda 21, and was drafted by major Local Government bodies from around the world. A Local Agenda 21 is a long term strategic program for achieving sustainability in the 21st Century at the local level - that of the local community.

Earth Summit 2002, held in Johannesburg South Africa, reinforced international commitment to Agenda 21, and emphasised the importance of building partnerships to secure our paths to sustainability.

The MSS is a means of meeting this global challenge at the local level, by creating a program to manage for the future. It enables the community and Council to develop a vision for a sustainable and quality lifestyle for present and future generations, and to attain this through achievable goals and actions.

The Strategy combines community education, vision-setting, consultation, research and the creation of programs for change. It raises awareness of problems and the types of changes in past practices that are needed, and puts them in a form that encourages everyone to see the wider implications of their actions. It is about changing performance at a community, household and personal level - encouraging local action on global issues.

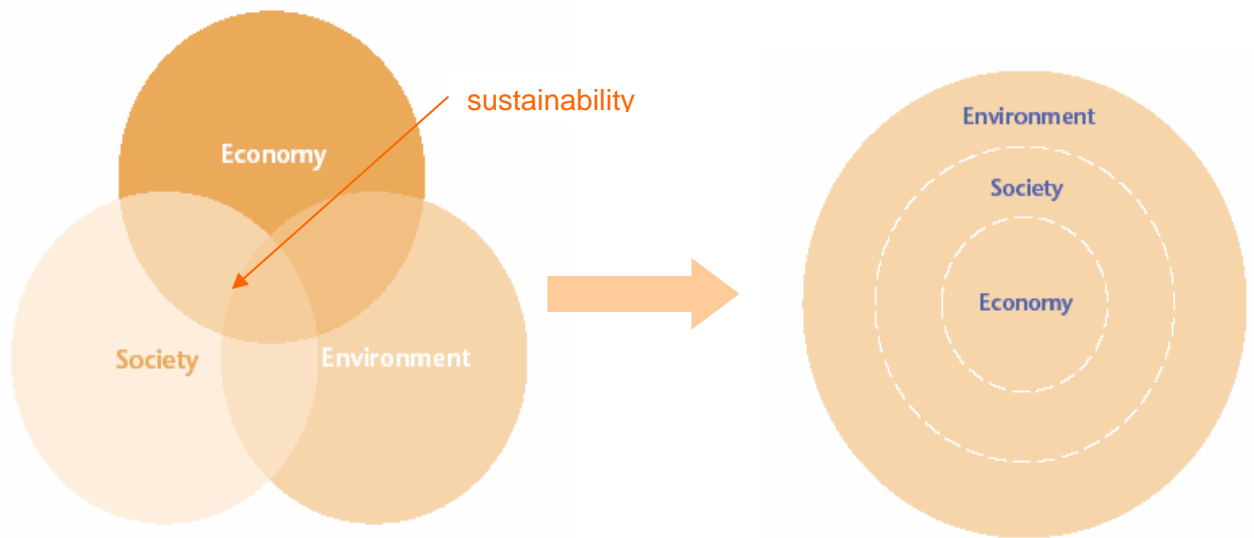
Council has adopted the following definition of **sustainability**:

“...development that meets the needs of the present without compromising the ability of future generations to meet their needs”. (Brundtland Definition, 1987).

This can best be described in accordance the figure below which demonstrates that the economy serves human society and both operate within the capacities of the natural ecosystems. It suggests that i) sustainability requires a balance between the environment, society, and economy and ii) our economy and society are dependent on the environment.

Figure 3 – weak sustainability to strong sustainability.

Source: http://www.sasurf.undp.org/mdgs/docs/Obligation_Road_Map.doc accessed 22/9/06



1.2.2 State Context

For the MSS update, Council reviewed the Sydney Metropolitan Strategy “*City of Cities – A Plan for Sydney’s Future*”, released by the NSW Department of Planning in December 2005. It is a State Government strategy to manage future population growth for the next 15 years. It is anticipated that Sydney will experience a population increase of up to 1.1 million by 2031 (27%). The Metropolitan Strategy stipulates a pattern of land use, public transport and infrastructure distribution for the Sydney metropolitan region to accommodate future growth. The Strategy is guided by the principles of economic, social and environmental sustainability and provides a framework for regional and local planning processes.

To implement the Metropolitan Strategy, the Minister for Planning has initiated a series of planning reform initiatives, which among other things include:

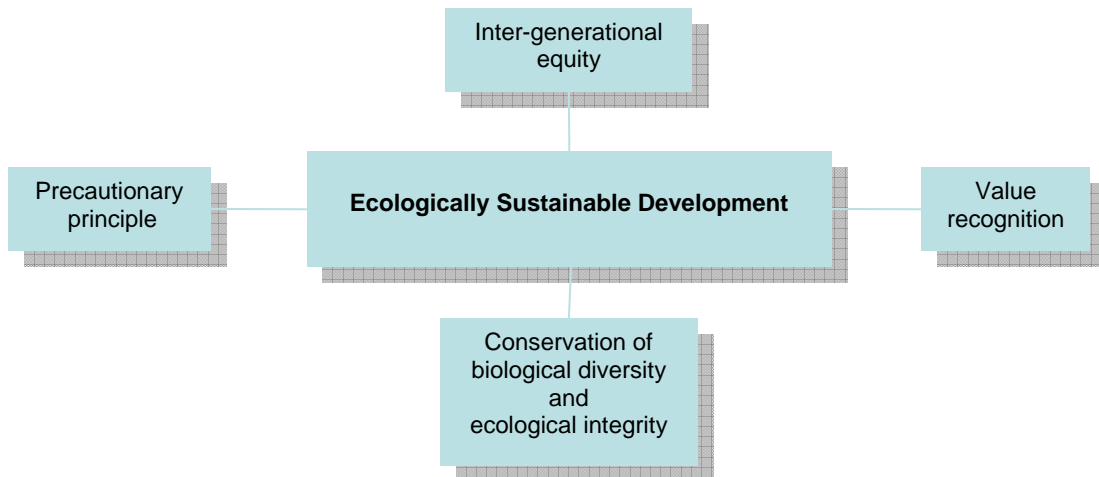
- Standardisation and review of all Local Environmental Plans (LEP) of NSW Councils
- Reduction and review of the quantity of Development Control Plans of NSW Councils
- Introduction of the LEP Review Panel to approve/refuse LEP and LEP amendments
- Introduction of a mechanism for the Minister for Planning to intervene in the local development application approval process

Additionally, Council is guided by the following NSW legislation:

- **Total Catchment Management (TCM)** - under the Catchment Management Act 1989: “... the coordinated and sustainable use and management of land, water, vegetation and other natural resources on a water catchment basis so as to balance resources utilisation and conservation.”
- **Ecologically Sustainable Development (ESD)** - Local Government Act (NSW) 1993: “... ecologically sustainable development requires the effective integration of economic and environmental considerations in decision-making processes”.

Ecologically sustainable development can be achieved through the implementation of the following principles and programs as described in figure 4.

Figure four: Ecologically Sustainable Development.



1.2.3 Regional Context

Council has also reviewed the NSW Government's Metropolitan Strategy, which includes a process of Subregional planning as a step to translate the objectives of Metropolitan Strategy to the local level. Manly Council is grouped with Warringah and Pittwater Councils to form the North East subregion. The Metro Strategy's objectives for the North East subregional are:

- Promote employment containment to encourage residents to live and work locally in the subregion;
- Enhance internal and external circulation and accessibility;
- Plan for affordable housing for key workers;
- Protect current lifestyle and environmental quality.

The Subregional Plan will guide Council's Local Environmental Plan and Development Control Plan.

Council has also reviewed fellow Shore Regional Group of Councils (SHOROC) Sustainability Strategies, or similar, and adopted those actions which are consistent with the Manly vision. This will ensure consistency across the SHOROC group, and where possible, direct partnership opportunities across the Northern Beaches.

In particular, Manly has considered:

- Warringah Council's *"Living Warringah – in focus"* (2005)
- Mosman Council's *Environmental Management Plan* (2005 – 2008)
- Pittwater Council's *Pittwater Sustainability Policy* (2006)

1.2.4 At the Local Level - Manly Council's Context

Manly Sustainability Strategy

The MSS has been designed as a strategic planning document. It is aimed to assist both Council and the community on our path to sustainability, and emphasises the need to "think globally, act locally".

Aims

The Sustainability Strategy is a ten year plan which aims to direct six key areas of action:

- **Local Government leadership** – leading by example. Managing and improving Council's own sustainability performance, including ensuring the way we govern is driving the transition to a sustainable future and integrating sustainability principles into Council's policies and operations;
- Guiding **Education for Sustainability**;
- **Partnerships** with the community, business and other government agencies to address sustainability;
- Participation and coordination – **widespread involvement** of local people and organisations, and coordinating the relevant activities;
- Adopting a **holistic approach** which links together related physical, environmental, economic, social, health and cultural issues;
- **Measuring, monitoring and reporting** on progress towards sustainability.

Manly's Ethical Charter

The Ethical Charter places a requirement on Council to give significant consideration to the effects our business and operations may have on local and global sustainability:

Manly's Ethical Charter – February, 2005

Council is committed to supporting the principles of Ecologically Sustainable Development (ESD) as defined in the Local Government Act 1993 and ethical business practices.

Council believes that sustainability must be the guiding principle of our business, requiring policies that meet the needs and aspirations of the present generation without compromising the opportunity of future generations to fulfil their needs and aspirations. Council also supports the Earth Charter and recognises that it sets the grounding principles for sustainability.

We support and will act on the following principles in our services:

- **Equity and justice** - We will act fairly, seeking to ensure equity, tolerance and removal of discrimination and support democratic societies that are just, participatory, sustainable and peaceful.
- **Respect** - We will treat other people and the environment with respect and acknowledge and support the values of indigenous peoples and minorities.
- **Sustaining the environment** - We will act with care and caution towards the environment, protecting the biosphere, its biodiversity, and using its resources sustainably for present and future generations.
- **Creating and sharing sustainable prosperity** - We will seek to create and share prosperity in a way that helps sustain our business, the community and the environment, and support locally based businesses who share these ethics where possible.
- **Responsibility** - We will take all responsibility for our actions and for any harm or good we cause. We will account for our actions, evaluating our progress in implementing these principles, and seek to continually improve. We also commit to combat corruption in all its forms, and the obstacles to good governance. We will not associate with organisations who act in direct contradiction to these principles.

Local Planning Strategy and Manly's Local Environment Plan

A Local Planning Strategy is to be prepared which will bring together the objectives of the Metropolitan Strategy and the Sub-regional Plan, the vision derived in the Manly Futures Forum and detailed in *Surfing the Future*, also the findings of previous studies and reports, both statutory and non-statutory, including the State of the Environment Report, and the Social Plan.

The MSS will also provide a basis for the Local Planning Strategy and Local Environmental Plan (LEP). The NSW Government's planning reforms require the preparation of a new LEP for each LGA in NSW. Planning Reform funds have been made available to councils across the Sydney Region to assist with strategic planning and the preparation of the new LEPs. Manly Council received funding in 2005 to assist Council to articulate a vision for the local area and towards the cost of strategic planning and the preparation of the new Plan.

Manly Social Plan

All Councils are required to prepare a Social Plan under the Local Government Act 1993 (Social and Community Plans amendment 1998). Manly's Social Plan was developed by firstly undertaking a Needs Analysis and literature review, and then holding workshops and focus groups to consult with the community. This assisted to develop actions and strategies for the Social Plan, aimed at better catering for the demands of the Manly community, with the target groups receiving particular attention being children, young people, women, older people, people with disabilities, Aboriginal and Torres Strait Islanders and people from culturally and linguistically diverse backgrounds.

Manly's Social Plan assists Council to address the social development concerns identified within Agenda 21, and should be referred to in conjunction with the Social Chapter of this Sustainability Strategy.

Education for Sustainability Strategy

The Manly Education for Sustainability (EFS) Strategy has been developed to direct Council's environmental education activities moving Manly toward a sustainable society. The strategy emphasises the importance of education and facilitates Council's policy of Ecologically Sustainable Development as prescribed in the Local Government Act 1993. The Manly Education for Sustainability Strategy:

- addresses the educational strategies identified in the MSS
- provides strategic direction for the environmental education programs in Manly
- monitors progress on the implementation of the EFS Strategy to guide future educational initiatives in Manly
- ensures environmental education is an integral part of council operations.

Following the adoption of the updated MSS, Council will commence the 2006 *Who Cares About the Manly Environment* survey to provide data to support the three year review of the Education for Sustainability Strategy.

Integrated Elements Guiding Council

Guided by the MSS and the Ethical Charter, the Social Plan, Education for Sustainability Strategy and other key operational plans further implement Council's Sustainability Strategy. Each has a review requirement to ensure that they remain relevant and continue to guide Manly Council and community on the path towards sustainability. The adoption of this updated MSS will influence these operational plans during their own reviews accordingly.

The next important element of the process is Council's Management Plan which sets Council's program for the next three years. The MSS informs and directs the Management Plan ensuring that Council's business is in accordance with the MSS's principles and its strategies implemented. Council will consider the most appropriate way of integrating the themes of the updated MSS into the 2007 Management Plan following the Strategy's adoption.

Council's annual reporting requirements including State of Environment reports provide the evaluation and reporting mechanism bringing together triple bottom line reporting which assesses the natural, social and economic environments.

2.0 The Three Year Review Process

The three year review of the Strategy which commenced in 2005, involved the following steps as outlined below, guided by the MSS Management Group:

- The MSS Management Group commenced planning for the Three Year Review in early 2005 with the initiative discussed at the twice yearly meeting of Council's Scientific Advisory Panel where both Committees resolved to undertake a community consultation process called "myManly".
- Council staff reviewed the entire MSS in early 2005 to identify which actions were completed, which were still underway, those that will be ongoing, and those that were no longer best practice management.
- Community Consultation:
 - myManly community sustainability art competition held in early 2005.
 - Futures Forum held September 2005
 - Community consultation from State of Environment reporting, Plan of Management development and policy documents.
- Staff prepared the draft updated Strategy with the assistance of the MSS Management Group and Scientific Advisory Panel (SAP) late 2005 to mid 2006.
- SAP and MSSMG held meeting to discuss the draft document and workshop specific elements.
- A Working Group drawn from the SAP and MSSMG then resolved items outstanding from the SAP/MSSMG meeting.
- The document was then to be presented to Council for adoption as a draft and placed on exhibition for public comment.
- Following the public exhibition, and integration of any necessary changes Council will formally adopt the document

3.0 Manly Sustainability Strategy Framework

3.1 UN Melbourne Principles for Sustainable Cities

The ten Principles for Sustainable Cities were developed at an International charette held in Melbourne (Australia) between 3 and 5 April 2002. This forum was organised by the United Nations Environment Program International Environmental Technology Centre, and the Environment Protection Authority Victoria. Over 40 experts from around the world contributed to the preparation of the Principles (UNEP, 2002).

The Melbourne Principles have international stature and credibility. They were designed to be flexible enough to be adopted by cities around the world. They describe how a sustainable city might function, and provide a framework for action. Key principles include:

- the need for a city to define a vision that involves its citizens in sharing of aspirations, responsibility and opportunity
- an understanding that economic strategies must not impede basic human rights of sustenance, hygiene and shelter
- respect for nature, and a commitment to its care
- definition of the ecological 'footprint' of a city and a commitment to reduce this impact – problems should be tackled locally and now, rather than elsewhere and in the future
- a continual process of benchmarking, monitoring and measuring progress.

Objectives of the Melbourne Principles

The Melbourne Principles are intended to guide thinking and provide a strategic framework for action. The Principles are not prescriptive. They allow cities to develop sustainable solutions that are relevant to their particular circumstances. They can help to bring together citizens and decision-makers, whose participation and cooperation is essential in transforming our cities to sustainable units.

The Principles also provide cities with a foundation for the integration of international, national and local programs, gaps to be identified and addressed, as well as realising synergies through partnerships.

Manly Council has adopted the United Nations Sustainable Cities Melbourne Principles as a framework for the updated MSS. Translated to the local level these are Manly Principles. The Principles allow sustainability issues to be grouped in a commonsense structure which ensures that common issues are not considered in isolation and that barriers to the holistic approach needed to achieve sustainability are not created.

Council recognises that there are “overlaps” within the Principles, where sustainability issues can be grouped under more than one Principle. The MSS Management Group has therefore sought to place each issue under the Principle(s) of greatest local relevance. It has also incorporated the key themes from the Futures Forum document.

4.0 The Strategy and how to use it

There are six themes under which the ten principles fall. Each of the Principles forms a chapter of the Strategy which commences with background information, detailing issues related globally, nationally and within the state. The local situation is then briefly explained, detailing Manly's position on that issue. More detail can be found in Council's 2003/04 Comprehensive State of the Environment Report.

Broad goals are identified under which specific Programs have been developed to address each goal. Indicators have been developed to measure each goal's implementation.

This Strategy has been developed to assist the whole of Manly towards ecological sustainability. Many actions and recommendations are quite simple to implement, and others will require extensive resources. Yet everyone should be able to identify something they can easily undertake to the benefit of the environment and the community.

Personal actions, while noted here, will be described and listed in a community document.

Each Chapter follows the same format as outlined below:

Manly Principle:

The tailored Melbourne Principle is listed – this is in effect a chapter heading.

What is this theme about globally?

This is explanatory information, giving a global interpretation of the principle and theme.

In a local sense, this means...

This brings the global context to a local level and outlines what each principle means in Manly.

Council will continue to...

This section lists the policies and programs that Manly Council and the community have previously committed to that relate to the principle.

What we want to achieve:

Goals for this principle are outlined here.

How we will know that we are on track:

Triple Bottom Line indicators for each goal have been developed so we can monitor their progress, including a target and 2050 goal (often a 'stretch' goal). This is a compilation of all target resolutions by Council Committees often set through specific programs. Each indicator will be reviewed and updated annually within the Implementation Strategy, and reported on within Council's State of Environment Report process.

Strategies for a Sustainable Future:

This section outlines the Programs that Council and community have agreed to implement to lead us towards the goals of this principle. 41 Programs have been identified.

It identifies the indicative **time frame** on which the projects are to be implemented either noted as a year or as *short term* (in 1 to 2 years); *medium term* (3 to 4 years) or *long term* (5 + years). All timeframes, including where they haven't been identified, will be referred to the Implementation Strategy process and reviewed annually, along with priorities being set.

Who has primary **responsibility** for implementing each action is identified, while recognising that many areas of Council will assist with a program's implementation. Council's existing related policy and documentation is also noted.

Each program is structured within the following Strategy framework which ensures that each program has considered a full suite of actions:

- Planning Strategy
- Management Strategy
- Education for Sustainability Strategy
- Partnerships Strategy
- Research and Development Strategy
- Regulation Strategy
- Marketing Strategy
- Advocacy Strategy
- Evaluation Strategy

Your Personal Action:

This section briefly outlines simple actions that the Manly community can implement to Think Globally and Act Locally and will be described in more detail within the smaller Community Report.

5.0 Implementation

The MSS needs considerable funds and other resources to make it happen, but these resources should be viewed as an investment in the future, and will in many cases generate medium to longer term savings. Instead of looking for new, often temporary funding, the MSS encourages Council, agencies, businesses and the community to change the way in which we operate and spend our budgets. Often upfront investment in capital sustainability projects results in ongoing savings or additional revenues.

Private, community and volunteer sectors also invest significant amounts of time, energy and money to support various initiatives, and by bringing together partners, this often provides resources to implement many of the strategies identified in the MSS.

The financial and human resources which are available to Council and the community are limited. Manly Council and the community will frequently re-evaluate priorities, programs and policies to ensure that the best possible investments in the future are being made.

Some MSS actions need to be sequential and whilst this has been considered in revising the MSS, action priorities do need ongoing annual review to ensure that their timing is still relevant. For this reason the MSS has been written as a core business document and every effort must be made to link it to all other Strategy documents and to actively test all Council business against it. Comprehensive indexing has been included to assist this process, and will be supported by an Implementation Strategy and annual reporting matrix.

Some of the desirable actions / directions presented in the strategy are not wholly within the power of Council to implement. For example: housing diversity, community ethnicity, elimination of sewage overflows and leaks, direct management of aquatic resources. In these instances the strategy should be interpreted to mean that Council will make every reasonable endeavour to foster the desired direction and to work cooperatively with other owners or managers. However it must be acknowledged that establishing change solely through policy and publicity is very dependent on the support and goodwill of others.

5.1 Challenges to Implementing the Strategy

Council recognises that over a decade it is inevitable that some barriers will arise to the implementation of the MSS, and some risks to the implemented Strategy, and that it will be necessary to adjust some priorities and actions. Not all risks and barriers can be predicted but a number of general situations will affect the capacity of Council to deliver the Strategy:

- **Ongoing community support** is essential to the success of the MSS, both in the community taking action and in supporting Council decisions. Council must inform and maintain dialogue with the community.
- **Funding constraints** reflect existing priorities and may deepen as a result of rapidly increased energy costs, changes in taxation and/or the rate base, limited success in grant applications, natural disasters or by social /political value shifts. Further, funding for maintenance is not often included in project grant funding. On the other hand, new funding opportunities may arise. In all cases Council needs to consider these events within the framework of regular MSS review.

- **Changes in State and National policy** or planning directives may override Council's ability to implement the MSS.
- The local effects of **climate change** and the need for local mitigating actions are the biggest unknowns that may influence the MSS. Monitoring of this situation with regular expert review is essential as some programs may need to be applied more urgently than is presently recognised.
- **Political and economic events** (for example: war, terrorism, inflation) beyond the local community may threaten the present vision or cause it to change rapidly. Council needs to be alert to such changes and take steps to address them by adjusting their annual program of MSS implementation.

6.0 Monitoring, Evaluation and Review

Significant monitoring, evaluation and review strategies have been identified to ensure the sustainability of the MSS itself. This will ensure that the MSS is a living strategy, maintains best practice and continues to lead Manly towards the community's vision of a sustainable future. These strategies include updating the structure of the 2006/07 SoE to reflect the MSS's themes, and using the tool for monitoring and evaluation of the MSS's implementation.

In recognition of the four year Council term, the Strategy will now be reviewed every four years instead of three, to allow the Strategy to be reviewed consistently in the middle of a Council term. Therefore the next full review of the MSS will commence in 2010. The next community visioning process is identified to commence in 2015, ten years from the last.

7.0 Background Information

For background information on the Manly LGA, please refer to:

- Manly Council State of the Environment Report:
 - Supplementary 2004/05 report
 - Comprehensive 2003/2004 report
- For the history of Manly, please refer to Seven Miles from Sydney: A History of Manly (see references)
- For the social and economic profile of Manly, please refer to the Manly Social Plan, Section 6.

The Manly Principles:

Manly's Strategy for Sustainability

A. A Long Term Vision for Manly

- A1. A shared long-term vision for Manly based on: sustainability, intergenerational, social, economic and political equity; and our individuality.

B. A Safe and Cohesive Manly

- B1. Achieve long-term social and economic security.

C. A Natural, Sustainable Manly

- C1. Recognise the intrinsic value of Manly's geodiversity, biodiversity and natural ecosystems, and protect and restore them.
- C2. Enable Manly's community to minimise our ecological footprint.
- C3. Promote sustainable production and consumption, through appropriate use of environmentally sound technologies and effective demand management.

D. A Living Manly

- D1. Build on the characteristics of ecosystems in the development and nurturing of a healthy and sustainable Manly.
- D2. Recognise and build on the distinctive characteristics of Manly, including its human and cultural values, history and natural systems.

E. An Involved Manly

- E1. Empower people and foster participation.
- E2. Expand and enable cooperative networks to work towards a common, sustainable future.

F. A Well Governed Manly

- F1. Enable continual improvement, based on accountability, transparency and good governance.

A. A Long Term Vision For Manly

A1. A shared long-term vision for Manly based on: sustainability; intergenerational, social, economic and political equity; and our individuality.

Manly's Programs for Sustainability:

A1.1 Ten Year Visioning Process

A1.2 Maintenance of the Manly Sustainability Strategy Program

What is this theme about globally?

A long-term vision is the starting point for catalysing positive change, leading to sustainability. The vision needs to reflect the distinctive nature and characteristics of each city. The vision should also express the shared aspirations of the people for their cities to become more sustainable. It needs to address equity, which means equal access to both natural and human resources, as well as shared responsibility for preserving the value of these resources for future generations.

A vision based on sustainability will help align and motivate communities, governments, businesses and others around a common purpose, and will provide a basis for developing a strategy, an action program and processes to achieve that vision.

In a local sense, this means...

Manly created a vision for the future in 1992 at the Meeting the Challenges event, then set a community vision at the Shaping our Future event in 1994. More recently, Manly held the Futures Forum in September 2005 to update Manly's vision statement as follows:

"A vibrant and inclusive community, which values its heritage and works together to create a sustainable lifestyle and environment for all to enjoy".

These important visions form the platform guiding the MSS.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- Adopt the MSS as the **umbrella document** guiding Council's policies and operations
- Undertake a **review of the MSS** every four years to ensure that the Strategy continues to lead Manly towards sustainability. The next review is to commence in 2010.
- Hold **Futures Forums** every ten years, each focusing on the next 20-25 years.

What we want to achieve:

A vision which reflects the aspirations and values of the community, which are reviewed every ten years.

Ensure that the MSS is a living strategy, maintains best practice and continues to lead Manly towards the community's vision of a Sustainable Future.

How we will know that we are on track:

Indicator	Target	2050 Goals
A community visioning process, guided by a Community Steering Committee, is undertaken in 2015.	2015	The vision process is undertaken every 15 years, guided by the community.
MSS Review undertaken in 2010.	2010	
MSS is fully integrated into Council's Management Plan	2006/07	The MSS is Council's Management Plan, or vice versa.
Community's awareness of the MSS – distribution of and requests for the Community MSS document; survey.	2010 – high percentage of the community have heard of the MSS	High percentage of the community know what the MSS sets to achieve.

Strategies for a sustainable Future:

A1.1 Ten Year Visioning Process

A vision which reflects the aspirations and values of the community, which are reviewed every ten years.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	A1.1.1	Establish a community steering committee to oversee and guide the visioning process.	2015	PS	Surfing the Future
Management	A1.1.2	Ensure the vision is integrated into key Council policy documents and operations, and that it guides all policy development.	2006;	PS	Surfing the Future
Education for Sustainability	A1.1.3	Once the vision is set, educate the community and Council staff on what this means for Manly.	2007	CEP	EfS, Surfing the Future
Partnerships	A1.1.4	Create partnerships with key community organisations and stakeholders to actively assist in the Vision's development and implementation.	2006 2015	PS NR	Surfing the Future
Research and Development	A1.1.5	Review international examples of best practice community visioning.	2015	PS	
Marketing	A1.1.6	Market and promote the new vision to the community, business and Council staff.	2006 2015	PS	Surfing the Future
Evaluation	A1.1.7	Evaluate the progress towards the Vision through the review of the MSS.	Yearly	NR	Surfing the Future

A1.2 Maintenance of the Manly Sustainability Strategy Program

Ensure that the Manly Sustainability Strategy is a living strategy, maintains best practice and continues to lead Manly towards the community's vision of a Sustainable Future.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	A1.2.1	Undertake a full four year review of the MSS including broad community consultation and participation in 2010. Ensure each four year review entails a full review of the actions within MSS including review of the past State of Environment Reports focusing on 'pressures' and 'data gaps' of the Report. Regular review will bring the process in line with Council terms and State of Environment Comprehensive reporting.	2010	NR	MSS
	A1.2.2	Review the feasibility of restructuring Council's Management Plan to adopt a structure based on the MSS themes where possible.	2007	CPS	Mgt Plan; MSS
Management	A1.2.3	The MSS Management Group, having community, Councillor and Council staff representation, continue to oversee and guide the implementation process of the MSS, including the review process.	Ongoing and 2010	NR	MSS
	A1.2.4	Identify priority programs from this Strategy to be included in the Management Plan each year.	Yearly	NR	MSS
	A1.2.5	Staff prepare an annual MSS Implementation Strategy with Action Plan and indicator report to ensure that responsibilities identified within this MSS are kept up to date with allocation of responsibilities by the General Manager.	2007 Yearly	NR	MSS

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	A1.2.6	Integrate the updated MSS into Manly's Education For Sustainability Strategy by commencing four year reviews of the EfS directly following the adoption of the updated MSS.	2006; 2010	NR/CEP	MSS EfS
Partnerships	A1.2.7	Form partnerships with the various sectors of the community to assist with the review of the MSS.	2010	NR	MSS
Research and Development	A1.2.8	Research Sustainability Strategies internationally with each review of the MSS to ensure continued best practice.	2010	NR	MSS
Marketing	A1.2.9	Prepare a brief community version of the MSS, focusing on how the community can contribute to local sustainability action.	2007	NR	MSS
Advocacy	A1.2.10	Advocate a Regional SHOROC Sustainability Strategy be prepared and adopted to have common goals for a sustainable future. (see link to action: x)	2007	Council	MSS
Evaluation	A1.2.11	Review and update Manly's State of Environment Reporting following the adoption of the updated MSS. Monitor and report annually within the State of Environment Report, the progress of this Strategy's implementation, based on the chapters within this Strategy. Initially report to the MSSMG for recommendation to Council.	2007 Annually	NR NR	MSS & SoE MSS & SoE

B. A Safe and Cohesive Manly

B1. Achieve long-term social and economic security.

Manly's Programs for Sustainability:

- B1.1 Creating "Sense of Place" /Neighbourhood Renewal Program
- B1.2 Community Services and Development Program
- B1.3 Housing and Sustainability Program
- B1.4 Sustaining Healthy Communities Program
- B1.5 Financial Reform and Economic Policy for Sustainability Program
- B1.6 Sustainable Coastal Tourism Program
- B1.7 Companion Animals Program.

What is this theme about globally?

Long-term economic and social security are prerequisites for beneficial change and are dependent upon environmentally sound, sustainable development. To achieve triple bottom line sustainability, economic strategies need to increase the value and vitality of human and natural systems, and conserve and renew human, financial and natural resources.

Through fair allocation of resources, economic strategies should seek to meet basic human needs in a just and equitable manner. In particular, economic strategies should guarantee the right to potable water, clean air, food security, shelter and safe sanitation. Cities are the locus of human diversity; their policies, structures and institutions can significantly contribute to fostering cohesive, stimulating, safe and fulfilled communities.

Actual and perceived crime rates can impact on how people feel about their neighbourhood and the ways that they use them. Factors such as well lit areas, wide open streets with passive surveillance and well maintained buildings can all help to engender feelings of safety and security. When people feel safe, they are more likely to frequent public spaces, which in turn also generates feelings of safety.

In a local sense, this means...

* This chapter should be viewed in conjunction with the Manly Social Plan.

Manly "Locals"

Manly 'locals' are considered a group of people with a strong sense of local identity, who feel proud of their area and its special natural and cultural heritage. Maintaining and building on this sense of place contributes to sustainability by fostering a spirit of pride and optimism. Manly's Neighbourhood Renewal Program seeks to develop and foster this, building connections, caring, civic pride and common good through engaging residents socially, within their local area.

Importance of diversity

Maintaining diversity is an important component of this vibrant, sustainable community. Diversity is inclusive of mixture of housing types, affordability and adaptability. For a sustainable society it is vital to promote and facilitate increased housing diversity to match the changing needs of Manly population, while providing equitable access and lifestyle opportunities.

Targets for housing diversity might include increased residential densities in some precincts when inequalities in the distribution of services, access to lifestyle opportunities and employment choices are addressed. Encouraging local mixing of uses will reduce the overall need for people to travel between their places of residence, employment and recreation. Diversity as a sustainability factor supports a “livable community”.

Creating a livable community in this way promotes fewer requirements for infrastructure, less energy and water consumption and consequently less environmental impact.

Recreation for a healthy Manly

Sport and recreation opportunities are significant tools for building healthy, vibrant and functioning communities which contribute to sustainability through environmental protection, social development and economic prosperity, through improving health, community, the economy and environment. Manly Council aims to provide accessibility to sport and recreation services through better urban design and infrastructure for walking/cycling and public transport.

Safe communities

Manly Council has a Crime and Safety Committee and a commitment to develop and implement a Community Crime Safety Plan. Other successful initiatives that are tackling crime and anti-social behaviour locally, working in partnerships with other organisations such as Manly Police, include the Manly After Midnight Strategies, Liquor Licensing Accord, late night transport options (e.g. the Pumpkin Bus) and Manly Code of Respect.

Protect environmental and social amenity

Manly is an urban area characterised by low, medium and high density development with access to commercial and retail land uses serving the sub-region and the local area. Manly also attracts a significant number of visitors and provides recreation, entertainment and cultural facilities for people.

These, sometimes in conflict, have the potential to reduce the current environmental and social amenity for local residents.

Key concerns regarding development in the LGA include:

- Noise impact from late night trading venues within the business areas;
- Multi unit developments that do not respect the natural topography and create environmental impact such as overshadowing, view obstruction, privacy issues to adjoining neighbours;
- Retention of existing landscape areas from future urban development;
- Excessive industrial and freight traffic through residential and commercial areas;
- Developments that are exposed to environmental risk such as flooding, landslip, contaminated land and acid sulphate soil exposure demand specialist assessment and design constraints.

- Developments that create irreversible environmental impact such as loss of tall trees, stormwater discharge and pollution, waste disposal, destruction of environmental and heritage assets and excessive energy and water consumption, demand Council's resources and State Government support to control their occurrence.

Council seeks to address all of the above issues through the current planning and development assessment framework in an era of prosperity and pressure for development.

Sustainable Tourism

Manly is a thriving tourist area.. It is estimated that Manly attracts 5-8 million visitors each year from both Australia and overseas. Arriving by road or water the tourist mix includes day trippers, backpackers, family holiday makers and those on business travel. Currently Manly is cited by Tourism New South Wales as the fourth most popular tourist destination in Sydney.

Council recognises that responsible planning is needed to develop a sustainable tourism industry in Manly, and Council has continued to work with university researchers and other councils to develop a plan to guide this. As tourism demand grows, Manly's challenge is to minimise the impacts, yet acknowledge the positive effects including the contribution to Manly's economy.

With research assistance from the University of Western Sydney, Council is focusing on 'Sustainable Coastal Tourism' to:

- Assist in achieving a greater awareness of our natural and cultural environments;
- Educate visitors and the community;
- Conserve important areas through increased funding and awareness;
- Ensure more appropriate urban development;
- Alleviate visitor pressures;
- Encourage reduction in waste and litter; and
- Promote public transport and a decrease in reliance on private vehicles.

Council has introduced the *Sea Change for Sustainable Tourism* Environmental Management Plan development program to assist tourism operators to operate their businesses in a sustainable manner.

Backpacker Tourism in Global Sydney

Manly, in partnership with the University of Western Sydney and five other Councils including City of Sydney, North Sydney, Randwick, Waverley and Woollahra, is undertaking a research project on the positive and negative impacts of backpackers in Sydney. The objectives of the research are to achieve better understanding of backpacker's behaviour in the broader context of the tourism industry of Sydney, and explore mechanisms for local councils to develop policy, planning and regulatory work to address the growing numbers of backpacker travellers.

The research was carried out in consultation with the community and key stakeholders, and focus group, surveys and interviews were conducted to gain practical insights to the issue. It is expected that the project will provide councils with practical solutions to address the issue in a strategic manner and foster community awareness of the dynamics of backpacker industry in Sydney.

Companion Animals

Companion animals, such as cats and dogs offer their owners company and security, while also having health and social benefits. Responsible pet owners, who desex and train their pets and keep them indoors or on their property at night are helping our wildlife to survive. However, irresponsible owners are contributing to the rapid decline of wildlife, the increase of feral cats and dogs, contributing to the increasing nuisance of wandering and barking dogs, and interfering with the well-being of the community.

Whilst accepting the importance of keeping pets to many members of the community, Council has recognised the need to encourage responsible pet ownership for the welfare of the animals, the community and the environment. A Local Companion Animal Management Plan has been prepared to address dog and cat owner responsibility and outline local laws in regard to leashed areas, prohibited areas and boarding kennels.

Some areas of Manly require specific controls to protect threatened pollutions of Long nosed Bandicoots and Little Penguins. Council runs special programs to encourage community participation in their protection and the control of pets.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- Ensuring Council provides **adequate funding** for social and natural environment programs.
- Maintaining Manly as a **Nuclear Free Zone**: Nuclear Weapons - Abolition And World Peace (Policy Register N40)
- Raising awareness and support the **Fair Trade program and products**.
- Protecting and enhance the visual quality of the built environment of Manly through pursuing Council's policy for the **undergrounding of all overhead cabling and sign management**.
- Supporting **Reconciliation** Between Indigenous And Non-Indigenous Australians (Policy Register R20)
- Promoting **equal access** to community facilities to work towards meeting different access needs in a diverse community.
- Incorporating **safety by design principles** into all public spaces.
- Implementing **Manly's Social Plan** to address the actions for each of the identified target groups
- Implementing the **Crime Prevention Strategy**
- Progressing Council's **Affordable Housing Strategy**
- Implementing the **Northern Sydney Aboriginal Social Plan**.
- Maintaining Totem as an important **shopping and community centre**, along with local shopping centres.
- Maintaining the **Neighbourhood Renewal Program**, focusing on "Meet Your Street" events.
- Supporting the operations of **Community Precinct Forums** as an important avenue for exchange of information between Council and community members
- Assisting Manly to become a **sustainable coastal tourism destination**, yet ensure that this does not compromise the amenity of local residents and the natural environment.

- Maintaining the **Sea Change for Sustainable Tourism** program to assist tourism operators and visitors to minimise their impacts on the social, natural and economic environments of Manly.
- Continuing to pursue the establishment of the **North Head Sanctuary** with all relevant land managers.

What we want to achieve (vision, goals):

- To foster community and civic pride in Manly;
- To link community development and sustainability to maintain and improve the level of amenity and quality of life for both residents and visitors in Manly.
- To ensure a range of accessible, affordable and adaptable housing in suitable locations that meets the diversity of local residents' needs at each stage of their life.
- Ensure that Manly's environment is one that supports a variety of recreational activities that are accessible to all social groups and that are ecologically sustainable whilst not restricting the broader community's enjoyment of the area.
- Pursue integrated public transport in the sub-region and improve existing services in line with SHOROC Regional Transport Policy.
- Guide Manly towards a visitor friendly Sustainable Coastal Tourism future which recognises the important economic contribution tourism makes to Manly and maintains Manly as an attractive tourist destination without compromising our natural environment, built heritage and sense of community.
- Support the vital role that companion animals play in maintaining social well being, while advocating responsible pet ownership which minimises impacts on others and the natural environment.

How we will know that we are on track:

Indicator	Target	2050 Goals
Business reinvestment in the community (indicator to be developed by 2010)	Annual increase in reinvestment by businesses.	To be set.
Ratio of the number of jobs in Manly to the amount of housing	Ratio should approach 1	1
Average travel distance and travel time to work for Manly residents	decreases	Residents all work within SHOROC area.
Reduced income disparity: Percent of Manly households earning less than \$35,000 per year? Percent of households earning more than \$100,000/year.	Seek to maintain economic "mix"	To be set.
Travel mode by which Council employees travel to work.	Declining private car use.	All staff to live within SHOROC area.
Time Council employees spend travelling to work (average/day)	Increasing proportion of Council staff reside within the LGA or within 30 min travel distance.	
Number of hectares of public open space per person.	Maintain existing levels and upward trend	To be set.

Indicator	Target	2050 Goals
Availability of affordable housing – percent of all existing and new housing in Manly affordable to very low, low and moderate and upper income households.	Targets to be developed.	To be set.
Percentage of adaptable housing in all new developments.	Target to be developed	To be set.
Housing for Seniors Living	Target to be developed	To be set.
Estimated number of primary homeless living in Manly - snapshot estimate for summer and winter (to allow for seasonal variation). Primary homeless people as per ABS – no roof over head, permanently living on streets.	Downward Trend	Zero
Percent of Manly homeless population served by the Manly Community Centre that transition to permanent housing.	Upward trend	To be set.
Crime rate per capita	Downward trend	Zero
Community satisfaction as a place to live (through community survey)	Upward trend	100%
Number of reported incidents of abuse	Downward trend	Zero
Number of reports regarding employment and housing discrimination	Downward trend	Zero
Percent of residents who perceive that their basic needs are not being met (counselling, emergency food, shelter and clothing, employment, recreation and services for youth, health care, substance abuse treatment/prevention, affordable housing, people with disabilities, seniors, transportation, access and mobility).	Downward trend.	Zero
Number of businesses in Manly operating with a fully integrated EMP	Upward trend	100%
Social Plan actions across all target groups completed annually, according to the identified implementation plan.	100% of implementation plan priorities	Social Plan priorities revised every five years..
Number of Clubs and like bodies that acknowledge and have adopted the Manly Principles for Sustainable Cities.	Upward trend.	100%

Strategies for a sustainable Future:

B1.1 Creating "Sense of Place" /Neighbourhood Renewal Program To foster community and civic pride in Manly;

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B.1.1.1	Develop and nurture the growth of social capital with community consultation and the secondary objectives to foster social interaction through Precinct Community Forums. Review and identify issues of concern and their solutions; address issues as needed on a Precinct basis.	Short	HSF	Social Plan
Management	B.1.1.2	Maintain and support the Community Precinct Forums, including regular reviews.	Ongoing	HSF	Social Plan
	B.1.1.3	Maintain the Neighbourhood Renewal Program.	Ongoing	HSF	
Education for Sustainability	B.1.1.4	Investigate the opportunity of hosting sustainability-focused Neighbourhood Renewal events using Council's existing resources such as bush regeneration of local reserves, community garden establishment etc.	2008	HSF	Social Plan
Partnerships	B.1.1.5	Encourage partnerships with local businesses to sponsor, support and/or participate in the Neighbourhood Renewal Program.	Short term	HSF	Social Plan
		Continue to involve and empower community in the planning and decision making process by receiving and responding to the matters and issues they are committed to.	Ongoing	All staff	
Marketing	B.1.1.6	Continue to market the Neighbourhood Renewal Program.	Ongoing	HSF	
Advocacy	B.1.1.7	Council lobby State Government to focus and support community issues, funding required and as identified and supported by the local community.	Ongoing	Council	Social Plan
Evaluation	B.1.1.8	Evaluate the Neighbourhood Renewal Program by selecting indicators and undertaking surveys.	2007	HSF	

B1.2 Community Services and Development Program

To link community development and sustainability to maintain and improve the level of amenity and quality of life for both residents and visitors in Manly.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.2.1	Update Planning Controls (LEP & DCP) to reflect social and environmental sustainability objectives.	With LEP Review	PS	LEP; Social Plan; MSS
	B1.2.2	Ensure that Safety by design principles are included in the planning and design processes of Council.	Ongoing	CPS	Social Plan;
	B1.2.3	Reaccreditation of Manly (SHOROC) by WHO (World Health Organisation) as a "safe community".	Medium Term	HSF	Community Crime Safety Plan
Management	B1.2.4	Manage Council's assets under an integrated Strategic Asset Plan that: develops a transparent and rigorous process to select infrastructure projects that deliver the maximum benefit to the community establishes current and future service levels and needs, and manages community expectations through regular community consultation develops service levels to meet residential and business priorities considers the Triple Bottom Line.	Medium term	HS&F	Social Plan
Education for Sustainability	B1.2.5	Educate to reduce noise pollution targeting problem areas.	2009	EHO	
Partnerships	B1.2.6	Implement active regional planning for infrastructure across the SHOROC area (see link with action x).	Medium	CPS	Crime Prevention Strategy
	B1.2.7	Liaise with the Federal Airport Authority as necessary to ensure that Manly is not adversely affected by aircraft noise.	Ongoing	EHO	
	B1.2.8	Liaise with the RTA regarding traffic volumes and noise impact and to identify traffic routes with potential air and noise impacts on residents.	Ongoing	US	
	B1.2.9	Liaise with the Police regarding after hours noise.	Ongoing	RS	
	B1.2.10	Continue strong partnerships with government and non government sectors in promotion and community education of violence prevention and community safety strategies.	Ongoing	HSF	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Regulation	B1.2.11	Ensure plant/machinery/activities likely to produce excessive/offensive noise comply with relevant noise standards.	Ongoing	EHO	
	B1.2.12	Conduct a review of current Council procedures for controlling noise pollution.	2008	EHO	
Advocacy	B1.2.13	Lobby State Government to seek a commitment to the co-location of services.	Short Term	Council	

B1.3 Housing and Sustainability Program

To ensure a range of accessible, affordable and adaptable housing in suitable locations that meets the varying diversity of local residents' needs at each stage of their life.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.3.1	Implement and continue to monitor Council's Affordable Housing Program	Ongoing	PS	Social Plan; Planning for Affordable Housing
	B1.3.2	Ensure that the updated Manly LEP makes provision for affordable and adaptable housing	LEP review	PS	LEP
Management	B1.3.3	Include affordable housing and social mix objectives in Manly Management Plan	Short Term	PS	Planning for Affordable Housing
Education for Sustainability	B1.3.4	Raise community awareness of the social and economic implications of a lack of affordable housing	Short term	PS	Planning for Affordable Housing
Partnerships	B1.3.5	Continue to work with Dept of Planning, Dept of Housing, community housing providers and other bodies to identify new opportunities for affordable housing development in Manly.	Ongoing	PS	Planning for Affordable Housing
Research and Development	B1.3.6	Explore the opportunity for cooperative housing schemes for the Manly LGA.	Long term	PS	Social Plan
Marketing	B1.3.7	Information made available via web	Short Term	PS	Social Plan

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Advocacy	B1.3.8	Lobby State and Federal governments to provide a strong legislative and policy framework to address affordable and adaptable housing demand.	Short Term	Council	Planning for Affordable Housing
	B1.3.9	Lobby State Government for planning provisions for affordable and adaptable housing initiatives in standard LEP template.	Short Term	PS	
Evaluation	B1.3.10	Report quarterly and annually	Ongoing	PS	Planning for Affordable Housing

B1.4 Sustaining Healthy Communities Program

Ensure that Manly's environment is one that supports a variety of recreational activities that are accessible to all social groups and are ecologically sustainable whilst not restricting the broader community's enjoyment of the area.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.4.1	Commission a comprehensive study into the range of recreational opportunities provided and needs of all residents.	Medium	US	Bicycle Plan
	B1.4.2	Continue to work towards the walking trail system in Council open space and adjacent National Parks to invite the community and tourists to appreciate the natural area. In cooperation with the NSW National Parks and Wildlife Service	Ongoing	CPS	
	B1.4.3	Creation of Living Streets –with the emphasis on suitability for people, wheelchairs, mobility scooters & cyclists rather than vehicles to encourage walking, cycling, the use of public transport and socialising among residents.	Short term	CPS	Bicycle Plan
	B1.4.4	Ensure planning at all levels considers the needs of the community to improve access to all recreational facilities.	Short term	All Staff	LEP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	B1.4.5	Work towards full implementation of the Manly Bicycle Plan (1999) together with additional routes where demand warrants.	Short Term	US	Bicycle Plan
	B1.4.6	Check works programs for footpaths to ensure they accommodate shared bike/pedestrian access where practical.	Short term	US	Bicycle Plan
	B1.4.7	Make available secure parking for bicycles to encourage greater cycling in Manly. Bike lockers to be installed near public transport.	2007	US	Bicycle Plan
	B1.4.8	Ensure that playgrounds are planned to provide for the needs of both children and carer etc adequate seating, bubblers at the correct height and accessible play equipment.	Short term	CPS	Playground strategy
Education for Sustainability	B1.4.9	Implement Smoke Free Zones via: <ul style="list-style-type: none"> revised legal agreements for alfresco dining areas on Council land and all other leases, licences etc over Council owned and managed lands and properties ; the installation of signage banning smoking in children's play areas on Council land, Council playing fields and sporting grounds, at events run or sponsored by Council, Manly's ocean and harbour beaches, entrances, covered areas and balconies of Council owned or managed buildings; and a continual education and awareness campaign targeting residents and visitors to Manly 	Nov 2006 Nov 2006	GMU	EfS
	B1.4.10	Further development and expansion of related collections at Manly Public Library.	June 2007	Library	Library Mgt Plan

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
<i>Education for Sustainability Cont.</i>	B1.4.11	Educational campaigns aimed at promoting cycling, walking and public transport usage by explaining benefits of Active Transport. Safety campaigns designed to improve pedestrian/cyclist safety, eg. where on-road cycle lanes exist education of motorists should be undertaken to reduce the potential for collisions between cyclists and car doors being opened in front of them. Pedestrian safety in high pedestrian activity areas should also be addressed through education campaigns in local shopping centres etc.	Ongoing	RSO	EfS
Partnerships	B1.4.12	Joint education programs with RTA in line with the State Government's major road safety message that 'the road is there to share'. Cycling safety campaigns undertaken in partnership with Bicycle user groups and surrounding local government areas. Pedestrian safety campaigns undertaken in partnership with relevant Council Committees and RTA.	Short Term	RSO	Bicycle Plan
	B1.4.13	Encourage Sports Clubs to engage in maintaining facilities, fields and community buildings and assisting with community events etc.	Medium Term	US	Plans of Mgt for Reserves
Research and Development	B1.4.14	Seek out best practice or innovative campaigns to increase safety of pedestrians/cyclists through behavioural change of motorists.	ongoing	RSO	Bicycle Plan
Regulation	B1.4.15	Monitor and regulate where necessary Smoke Free Zones	Short term	Rangers	
Marketing	B1.4.16	Promotion of related collections in Manly Public Library to the community.	Ongoing	Library	Library Mgt Plan
	B1.4.17	Marketing campaigns such as letterbox drops to residents living on roads where on-road cycling lanes exist, in which the cyclists rights are explained and key safety tips given to motorists to reduce their potential to impede cyclists. Similar marketing campaign for pedestrians, however use of banners in town centres would achieve higher levels of information transfer.	Short Term	RSO	Bicycle Plan

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Advocacy	B1.4.18	Lobby RTA for more effective advertising campaigns on a state level aimed at improving pedestrian/cyclist safety.	Short Term	Bicycle Committee	Bicycle Plan
Evaluation	B1.4.19	Develop and implement social impact assessments as part of the sustainability assessment process.	Short Term	PS	Social Plan
	B1.4.20	Undertake pedestrian/cyclists counts on major footpaths/cycleways pre and post treatment.	Short term	US	Bicycle Plan

B1.5 Financial Reform and Economic Policy for Sustainability Program

Pursue integrated public transport in the sub-region and improve existing services in line with SHOROC Regional Transport Policy.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.5.1	In the context of the North-East Sub-regional Plan, work with SHOROC to develop the Regional Employment Strategy to promote employment containment within the region and plan for appropriate infrastructure to support the expansion of the local employment market. Continue to seek funding from DOP.	Short Term	PS	Employment Strategy
	B1.5.2	Identify future land use and infrastructure requirements for employment growth and incorporate these in planning instruments in accordance with approved brief.	Short Term	PS	LEP
Management	B1.5.3	Encourage flexible working hours, home-based businesses and locally-based businesses.	Medium Term	PS	
Education for Sustainability	B1.5.4	Work with State and Federal governments to improve access to and availability of education for local businesses and apprenticeships.	Medium Term	PS	
Partnerships	B1.5.5	Form partnership with SHOROC councils, chambers of commerce, vocational training and education institutes and other key employment generating sectors to promote job opportunities and training in Manly and for the SHOROC region.	Medium Term	PS	Employment Strategy

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	B1.5.6	Through SHOROC, research new initiatives to promote local employment market and to fund key infrastructure.	Medium Term	PS	Employment Strategy
Marketing	B1.5.7	Consider placing employment opportunities on a website.	Medium Term	HSF	Employment Strategy
Advocacy	B1.5.8	Advocate for funding to development the appropriate infrastructure and services to support local employment growth.	Medium Term	PS	Employment Strategy
Evaluation	B1.5.9	Monitor and review the progress of the SHOROC Employment Strategy	Short Term	PS	Employment Strategy

B1.6 Sustainable Coastal Tourism Program

Guide Manly towards a visitor friendly Sustainable Coastal Tourism future which recognises the important economic contribution tourism makes to Manly and maintains Manly as an attractive tourist destination without compromising our natural environment, built heritage and sense of community.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.6.1	Prepare a Sustainable Coastal Tourism Strategy in response to the University of Western Sydney TBL assessment of Tourism Study, which recognises the important economic contribution Tourism makes to Manly, but balances that with the social and natural environments.	Medium	NR	UWS Tourism Study
Management	B1.6.2	Finalise the draft Business Plan for the Visitors Information Centre, ensuring that the Plan integrates TBL considerations and those strategies identified in the University of Western Sydney Study.	Short Term	HSF	UWS Tourism Study
Education for Sustainability	B1.6.3	Continue to secure Manly tourism operators participation in the Sea Change for Sustainable Tourism Environmental Management Plan program, serviced by a Sustainable Tourism Education Officer.	Ongoing	CEP	UWS Tourism Study;
	B1.6.4	Develop and implement a Sea Change for Sustainable Tourism Visitors program targeting the impacts of visitors to Manly on the social and natural environs.	Medium	CEP	EfS

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Partnerships	B1.6.5	Continue to work in partnership with tourism operators, Manly Chamber of Commerce, Tourism NSW, universities and the Manly community to reduce the impacts of visitors on Manly's environs.	Ongoing	CEP	UWS Tourism Study
	B1.6.6	Seek continued support from Sydney Ferries, TMG and NSW Maritime to continue the Sea Change for Sustainable Tourism logo marketing campaign at Manly Wharf.	Short	CEP	
Research and Development	B1.6.7	Keep abreast of best practice for sustainable tourism management internationally.	Ongoing	CEP	UWS Tourism Study
Marketing	B1.6.8	Market the Sea Change for Sustainable Tourism logo through associated marketing strategies developed for the aforementioned programs.	Ongoing	CEP	UWS Tourism Study
Advocacy	B1.6.9	Lobby the State and Federal Government to secure further grant funding to assist to address the impacts of visitors on Manly's natural and social environments.	Short Term	VCB	UWS Tourism Study
Evaluation	B1.6.10	Evaluate the effectiveness of Council's Sustainable Coastal Tourism Strategy and associated education programs by: 1. Establishing a set of indicators across the triple bottom line which would assess the above; 2. Conducting a similar Manly community survey as per UWS in 2005 and assessing the perceived changes in response.	Medium	NR – Strategy; CEP – education.	UWS Tourism Study
	B1.6.11	Consider integrating aspects in Manly's "Who Cares About the Environment" Survey.	2010		

B1.7 Companion Animals Program.

Support the vital role that companion animals play in maintaining social well being, while advocating responsible pet ownership which minimises impacts on others and the natural environment.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	B1.7.1	Review and Implement the Companion Animals Management Plan, with a focus on advocating responsible pet ownership which minimises impacts on others and the natural environment.	Short Term	NR	CAMP
Management	B1.7.2	Implement the updated CAMP when adopted.	Medium Term	Rangers	CAMP
Education for Sustainability	B1.7.3	Continue to promote responsible pet ownership, through a series of strategies which include the reintroduction of the Dog "poo" bag carriers.	2007	CEP	CAMP; EfS
	B1.7.4	Encompass the annual "Dogs Day Out in Manly" into other broad community events with a focus on responsible pet ownership.	Short term	CEP	CAMP
Partnerships	B1.7.5	Liaise with local companion animal clubs in the development or review of any Companion Animal Strategies and events.	Short Term	NR	CAMP
	B1.7.6	Partner with local companion animal clubs and pet shops to market the message of responsible pet ownership.	Short Term	MEC	CAMP
Marketing	B1.7.7	Market the updated CAMP with the assistance of Clubs and pet shops.	Medium Term	MEC	CAMP
Evaluation	B1.7.8	Review the Companion Animals Management Plan every 5 years.	Long term	NR	CAMP

Your Personal Action

As described in the Community Report, the community can take local action for sustainability by participating in the many community events held during the year, attend your local Precinct Community Forum, and demonstrate courtesy to your neighbours.

C. A Natural, Sustainable Manly

C1. Recognise the intrinsic value of Manly's geodiversity, biodiversity, and natural ecosystems, and protect and restore them.

Manly's Programs for Sustainability:

- C1.1 Protecting our Water Cycle and Catchments Program
- C1.2 Sustainable Marine Environments Program
- C1.3 Coastline and Estuary Management Program
- C1.4 Geodiversity Program
- C1.5 Maintaining our Biodiversity and Terrestrial Environments Program
- C1.6 Flora Program
- C1.7 Fauna Protection Program

What is this theme about globally?

Nature is more than a commodity for the benefit of humans. We share the Earth with many other life-forms that have their own intrinsic value. They are part of the intricate web of life essential in sustaining the ecosystem services upon which our lives depend. They warrant our respect, whether or not they are of immediate benefit to us.

It is through people's direct experience with nature that they understand its value and gain a better appreciation of the importance of healthy habitats and ecosystems. This connection provides them with an appreciation of the need to manage our interactions with nature empathetically.

Just as humans have the ability to alter the habitat and even to extinguish other species, we can also protect and restore biodiversity. Therefore, we have a responsibility to act as custodians for nature.

In a local sense, this means...

Manly's Environment

Although only a small LGA of 16.2km², Manly has a diverse character of residential, business and natural landscapes with only limited industrial land use. The area is well known for its natural environment, with areas such as Sydney Harbour, North Head, harbour foreshores and frontage to the Pacific Ocean being recognised as important and sensitive locations. No part of Manly is more than 1.6km from a water body.

The urbanisation of Manly is typical of many regions around the world, with bushland cleared for urbanisation, many waterways channelled, diverted and piped for flood mitigation, wetlands drained and used for landfill and recreation. In the past, little was known of the importance of these areas, and this unfortunately led to degradation of our environment. For example, in the 1930s North Harbour Reserve was reclaimed as parkland from an area that was once a sandy bay with safe swimming, while much of Manly Lagoon has been reclaimed for housing, playing fields, golf courses and commercial development. Salt marsh became a rubbish dump to create playing fields. Development has created a flood regime that affects approximately 400 properties within the catchment (Manly Council 1996) in a 1 in 100 year storm event. Rehabilitation is an essential, costly and difficult task.

Geodiversity

Manly's geodiversity is an important element of our natural environment. This concept covers the whole range of natural earth materials and processes. It includes the rocks, landforms, streams, beaches, soils, sediments and groundwater features.

While the principal rock outcropping in Manly is Hawkesbury Sandstone, it is by no means uniform, and a range of sedimentary structures in the rock can be seen in the cliffs along Marine Parade and at other localities. Some structures such as joints, faults and shear zones cut through the sandstone and guide landform development. They may also constrain development and present geological hazards.

Important geodiversity elements in Manly include:

- The incised southern edge of the Hornsby Plateau with its steep hills and high-level spine along Sydney Road at Seaforth and along the top of Dobroyd Head
- The North Head peninsula with its dramatic sea cliffs, high-level dunes and geomorphic history of isolation during periods of different sea level.
- The drowned valleys of North Harbour and Middle Harbour and the tidal delta in the mouth of these features.
- The Burnt Bridge Creek drainage basin and Manly Lagoon.
- The sand spit of Manly Village and the coastal barrier, lagoon and former swamp complex along and behind Manly Ocean Beach.
- Rare high-level dunes on the top of North Head and dune remnants may occur near Tania Park.
- Groundwater resources in the Quaternary sand aquifers.
- Little known groundwater systems in the sandstone. These areas have a complex hydrology with limited storage and flow in granular, fissure and shale-bed components. The fissure and shale-bed aquifers frequently rise in springs, some of which are iron-rich and deposit ferruginous tufas.

Smaller-scale features include cliffs, rock platforms, waterfalls, the terraced nature of sandstone hillslopes, springs, hanging swamps, and a great range of small landforms. While much of Manly has been modified, significant examples of large and small-scale landforms remain, all of which need to be identified and appropriately managed.

In recent years developments in the technology of earthmoving and rock excavation have the potential to destroy valuable landscape elements of geodiversity.

Manly's Water Cycle Management

Manly's drainage system has evolved haphazardly over 150 years with the replacement of porous soils by hard surfaces such as concrete. It was designed to improve land utility and prevent flooding, with a traditional emphasis on efficiently collecting, and diverting stormwater into nearby creeks, beaches and lagoons. Little or no consideration has traditionally been given to the 'downstream' consequences of this approach, leading to problems in water quality and reduced recharge of groundwater systems. More recently we have seen a shift away from 'end of pipe' solutions, and focus on the application of reuse, infiltration, pollution prevention measures, and most importantly, viewing stormwater as a resource.

Manly's waterways have had one of the longest histories of community concern (Manly Council 1996) with water quality of the Lagoon, ocean and harbour beaches still foremost in people's minds. This was highlighted in the 1980s during public protests and demonstrations over beach water quality. While water quality has improved since the introduction of the Sydney Deepwater Outfalls, better treatment prior to discharge would reduce the load of contaminants entering our environment, as the material treated at North Head Sewage Treatment Plant (STP) is only minimally treated to the primary level (the bulk of the solid material is removed by screening, and the rest is discharged through ocean outfalls in the hope that the marine environment will "finish off" the treatment).

With the recent droughts, there has been an increasing awareness of water leading to a new agenda, Council and residents are actively embracing water conservation and re-use initiatives.

Aquatic and Marine Environments

Manly has a very diverse range of coastal environments with significant biodiversity, including the "No Take" Cabbage Tree Bay Aquatic Reserve, North Harbour Aquatic Reserve, wetland areas, seagrasses, beaches, mud flats, intertidal rock platforms, harbour, lagoon and ocean. All these features have been affected by the urbanisation of Manly, through stormwater pollution and sewage overflows, polluting our waterways each time it rains; irresponsible behaviour of some people enjoying recreational pursuits (boats, spear fishing etc) and through inappropriate harvesting of marine biota.

In early 2006, the State Government banned commercial fishing and recreational fishermen were advised to eat no more than 150g per month of fish caught in Sydney Harbour and associated tributaries due to significant potential health risks caused by past contaminated sites. Our aquatic environment is important to us environmentally (eg. for clean water quality), economically (eg. tourism), and socially (eg. surfing, fishing, boating, relaxing)

Terrestrial Environments

Today, soil loss in Manly is primarily from exposed areas, such as building sites and disturbed bushland. When it rains on these areas, damage occurs both on and off-site, with stormwater run-off flowing into creeks and rivers and the ocean carrying sediment and associated pollutants. This sediment extends mud flats and fills up creeks, leading to destruction of benthic community habitats (yabbies, worms etc).

Contaminated sites are areas containing substances potentially toxic or hazardous to humans or other parts of the ecosystem. Left unmanaged (or not identified), they may result in an increased risk to health and safety of people and/or detrimental effects to the environment, causing a possible impact on building structures through chemical attack.

Several sites within the Manly Council area are identified as being potentially contaminated due to chemical or hazardous deposits from previous or current use. Council has adopted the Department of Environment and Conservation's guidelines for managing contaminated lands. SEPP 55 also provides a process to undertake remediation work for development on contaminated land. Council also has a Contaminated Land Policy to guide development.

Coastal Environments

The coastline of Manly is a major element in the geographic, recreational, commercial and ecological fabric of the State. It is an area of unparalleled beauty and a major destination for local, national and international tourists.

The coastline is under constant impact from the natural forces of wind and waves. In response to these processes, the coastline is ever changing: beaches and sand dunes erode and are rebuilt in response to wave action. Human activities in the coastal zone can exacerbate these processes.

Council must ensure that it identifies and appropriately manages potentially hazardous development with coast and harbour foreshore properties at risk from beach erosion, shoreline recession, coastal inundation, sand drift and cliff instability.

Terrestrial Biodiversity

The Manly LGA includes a variety of vegetation communities in 29 hectares of remnant bushland, supporting many different species of fauna species. Remnant bushland not in National Parks is usually limited to Council reserves, small private blocks and roadsides. Our natural areas support 3 plant species listed as endangered, and 6 species listed as vulnerable in the NSW Threatened Species Conservation Act 1995 (Manly Council, 2001), and two listed ecological communities: - one in the National Park within the LGA, and the other a Duffy's Forest vegetation community on the Wakehurst Parkway, Seaforth.

Clearing and fragmentation of Manly's urban areas has resulted in isolated pockets or "islands" of remnant or indigenous native vegetation usually of minimum size, poor quality that are now under pressure surrounded by inhospitable "seas" of urban development. When habitats decline, there is competition of the faunal species remaining for resources, causing their populations to decline and lose genetic diversity. This reduces their ability to compete, fight disease or adapt to changing conditions.

Council is implementing a Wildlife Corridor program providing suitable habitat connecting the isolated pockets of vegetation, the movement of organisms and "mixing" of genes. Street trees are one important aspect of linking these habitats, while also providing an attractive environment which moderates local winds and creates shade, reduces air pollution and assists drainage through water use, absorption and evaporation.

Today's bushfire patterns are vastly different to those that shaped our landscape over 200 years ago. Many plants and animals rely on different patterns of fire frequency and intensity for reproduction and survival. The absence of fire in urban areas such as Manly has favoured the growth of temperate rainforest native species such as *Pittosporum undulatum* and *Glochidion ferdinandi*, which have now become bushland weeds. These were once confined to moist gully areas by regular fire regimes, but now inhabit dry sclerophyll bushland areas where they thrive, shading out many species with their dense crowns. Council, along with the NSW National Parks and Wildlife Service are managing our urban bushland areas using fire as one tool.

Since European settlement, more than 1900 exotic plant species have been deliberately or accidentally released, with half now regarded as weeds (Biodiversity Unit, 1993). Weed control in Manly is estimated to cost approximately \$500,000 per annum plus substantial volunteer hours.

The Manly LGA also supports a large variety of fauna, including mammals, reptiles, amphibians, terrestrial and sea birds and a huge range of invertebrates. Several are considered rare or endangered. Our natural areas support six faunal species listed as endangered, 28 species listed as vulnerable, and two endangered populations listed on the NSW Threatened Species Conservation Act 1995 - the little penguin and long-nosed bandicoot populations situated at North Head (Manly Council, 2001).

The major threats to our wildlife in Manly include illegal tree felling, loss of habitat, predators (cats, dogs, foxes), competition with exotic species, such as rabbits, and with other native species. Several programs are underway to eradicate these feral species, including a fox trapping program in the national parks and pigeon control programs. Lack of appropriate habitat including lack of tree hollows and logs, rocks, wetlands, the use of chemicals and poisons, and cars all can have serious impacts on our local faunal species.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- The **Bushland Management Program** to minimise adverse impacts on the native vegetation communities.
- The **Noxious Weeds Community Liaison** program(s).
- A holistic approach to **water cycle management**.
- The Manly Lagoon and Catchment **Integrated Catchment Management Strategy**
- Preparation and implementation of **Plans of Management for community lands** and reserves.
- Support and implement **Threatened Species Recovery Plans** and actively participate on the associated working groups.
- **Minimal chemical use** and investigating alternative options.
- **Partnerships with universities** to host post-graduate and research opportunities on environmental issues and solutions for the Manly LGA.
- **Provision of information to the community** by the Manly Environment Centre and Manly Library.
- Holding the educational **Hill to Harbour Walks**
- The **Community Honorary Park Rangers/Educators/Penguin Wardens** program (Policy Register H30)
- Identifying and **managing contaminated sites** to ensure they do not cause adverse environmental effects and undue risk to human health.
- The **Bricks and Water** stormwater pollution and sediment control program within the Manly LGA to monitor all development sites.

What we want to achieve (vision, goals):

- To have our aquatic systems sustainably managed in a way that ensures that the widest range of values is maintained now and for the future.
- To ensure that Manly has healthy, sustainable marine ecosystems, which remain accessible to the public and are protected to reflect community values.
- To manage the terrestrial and marine environment interface to balance environmental conservation and the enjoyment of the areas by user groups and ensure that Manly's coastlines are recognised for their important natural and cultural heritage
- To protect and conserve the important elements of Manly's geodiversity through raising awareness, considering its values in all planning and management and integrating with biodiversity management.
- To have a holistic approach to biodiversity management.
- To protect, restore and enhance the range of existing remnant (indigenous) vegetation communities in Manly
- To conserve all existing indigenous fauna species, and encourage the return of locally extinct species to Manly.

How we will know that we are on track:

Indicator	Target	2050 Goals
Number of days Manly's beaches are closed due to health warnings.	2010 - Decreasing	Zero
Percent of tree canopy coverage across the LGA	Upward trend	To be set.
Number of native seedlings distributed by Council	Upward trend	Every garden in Manly LGA has native plants.
Number of newly planted native seedlings	Upward trend	To be set.
Progress towards ecosystem health and primary contact criteria for Burnt Bridge Creek and Manly Lagoon. 1. Pollutant load from prioritised catchments, 2. Pollutant load in water column of Manly Lagoon, 3. Pollutant load in lagoon sediments; 4. Exchange of pollutant load between Manly Ocean and Manly Lagoon.	1. reduction 2. reduction 3. reduction 4. reduced	Ecosystem health
Species diversity in Cabbage Tree Bay Marine Surveys	Upward trend	To be set
Amount of open space with a natural surface (vegetated soil) within the LGA.	Upward trend	To be set
Number of volunteers involved in rehabilitating and protecting the natural environment (including wildlife care)	Upward trend	To be set
Number of participants in the Hilltop to Headland walks	Upward trend	All able-bodied residents participated in at least one walk.
Volunteer involvement in rehabilitating and protecting the natural environment including wildlife activities.	Upward trend	All able people involved.
Number of Little Penguins recorded	Upward trend	The Little Penguin Manly population is taken off the endangered list.
Number of Long-nosed Bandicoots recorded.	Upward trend	The Long-nosed Bandicoot Manly population is taken off the endangered list.
Number of reported accidental deaths in endangered species	Downward trend	zero

Strategies for a sustainable Future:

C1.1 Protecting our Water Cycle and Catchments Program

To have our aquatic systems sustainably managed in a way that ensures that the widest range of values is maintained now and for the future.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.1.1	Use a Geographical Information System to combine an inventory of land uses (pollution sources), drainage assets, and water quality and quantity information including aquifers and possible infiltration and water reuse sites.	Short Term	DTS	ICMS
	C1.1.2	Explore the feasibility of encouraging an independent water supply and mandatory pool covers/blankets for pool development applications.	Short term	PS	
Management	C1.1.3	Continue to strategically implement stages of the SEA Change Integrated Pollution Prevention Program working through prioritised sub-catchments of the Manly LGA, to address stormwater quality and quantity issues, bringing together a suite of tools including the following interventions: education, compliance, street sweeping, and identifying reuse and infiltration opportunities, including constructed wetlands.		NR/CEP	ICMS
	C1.1.4	Implementation of priority actions from the Manly Lagoon and Catchment Integrated Catchment Management Committee.		NR	ICMS

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	C1.1.5	Continue the Seachange Integrated Pollution Prevention Program, focusing on community and business education to create a TCM awareness and greater behavioural change. The program aims for continued development of Sustainability/Environmental Management Plans for community, business and Council.	Ongoing	CEP	ICMS
	C1.1.6	Continue Streamwatch water quality monitoring within Council for greater TCM benefits and education with volunteer involvement where possible.	Ongoing	CivS	ICMS
	C1.1.7	Continue the Bricks and Water Stormwater Pollution Education Program to create awareness within the building industry about stormwater pollution and sediment control.	Ongoing	CEP	EfS
	C1.1.8	Implement Operation: Manly Lagoon initiative including logo, website and annual forum.	Short Term	CEP	ICMS
Partnerships	C1.1.9	Work through the Sydney Water/Manly Council partnership, having numerous important state agency partners to: <ul style="list-style-type: none"> • Rehabilitate the Manly Lagoon Catchment; • Eliminate sewer overflows through upgrading existing systems; • Identify and repair sewage leaks in the system. • and address other matters pertaining to catchment and sewage management, including the "Sewer Fix" program. 	2006	NR	ICMS
	C1.1.10	Work with Balgowlah Golf Club to minimise impacts on Burnt Bridge Creek through investigation and implementation (grant funded where possible) of alternative water sources.	2006	NR	
	C1.1.11	Ensure water quality and quantity monitoring is consistent across Councils in the Catchment.	2006	NR	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
<i>Partnerships Cont.</i>	C1.1.12	Continue to work with Manly Golf Club as a partner with the CRC for Urban Irrigation (UWS), to implement sustainable alternative water resources.	2006	NR	
Research and Development	C1.1.13	Keep abreast of the latest methods for managing the water cycle.	Ongoing	NR	ICMS
	C1.1.14	Continue to partner with universities to host post-graduate studies to research various water cycle issues and solutions for the Manly LGA.	Ongoing	NR	
		Council encourage environmental studies to be undertaken by students, universities, agencies and environmental groups to address relevant issues, improve efficiency and avoid duplication. Consider placing a list of relevant research requirements on Council's website, seeking input from the Universities on the Program. Seek Council's Scientific Advisory Panel's advice on this matter.	2007	CPS	
	C1.1.15	Regular audit of all Council buildings, facilities, maintenance and water practices, including cleaning techniques, irrigation practices and cleaning of machinery and vehicles - liaise with Sydney Water.	Ongoing	NR	
	C1.1.16	Develop an understanding of behavioural factors in acting sustainably.	Short Term	CEP	
	C1.1.17	Investigate cleaning methods of shopping centres, hotels, shops etc to ensure pollution does not enter stormwater drains.	Medium Term	EHO	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Regulation	C1.1.18	Liaise with the community and work with the Department of Environment and Conservation to educate to inform and to police breaches of the Protection Of the Environment Operations Act 1997 (POEO).	Ongoing	Rangers	
	C1.1.19	Compliance and education staff hold a "sediment controls" blitz targeting stormwater and sediment controls on building sites.	Once per year	Rangers	
Marketing	C1.1.20	To develop the reputation of Manly Council as a leader in water cycle management;	Short Term	NR	MSS
Advocacy	C1.1.21	Continue to re-affirm Council's long standing position and lobby Sydney Water and the State Government to de-commission the North Head STP	Ongoing	MEC	MSS
	C1.1.22	Council continue to support BASIX and advocate for its expansion to cover all development and introduce a wider range of environmental and social impacts including integrated water cycle management:	2007	PS	MSS; DCPs
Evaluation	C1.1.23	Embellish Manly and Warringah Council's real time monitoring of the quality and quantity of water in the Manly Lagoon catchment, including the introduction of further parameters/indicators. Publish results through the Operation: Manly Lagoon website.	2007	NR	ICMS
	C1.1.24	Continue Council's groundwater extraction and recharge monitoring program.	ongoing	NR	

C1.2 Sustainable Marine Environments Program

To ensure that Manly has healthy, sustainable marine ecosystems, which remain accessible to the public and are protected to reflect community values.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.2.1	Identify and map aquatic flora and fauna, and those areas needing rehabilitation.	Medium Term	NR	CMPs
	C1.2.2	Pending funding from the Australian Research Council, participate in the Centre for Research on Ecological Impacts on Coastal Cities' programs.	Short Term	NR	CMPs
Management	C1.2.3	Review the Coastline Management Plans following implementation and evaluation in accordance with specifications identified within the plans.	Ongoing	NR	CMPs
Education for Sustainability	C1.2.4	Hold regular rock platform education walks as part of the Hill to Harbour series. Support NPWS (DEC's) Penguin Warden program.	Annually 2007	CEP MEC	EfS; CMPs Penguin Recovery Plan EfS
	C1.2.5	Implement Council's Starboard Right & Green education program to reduce the impacts of activities on the marine environment.	Ongoing	CEP	
	C1.2.6	Encourage local residents to become involved in Fishcare, seagrass monitoring and voluntary ranger programs.	Ongoing	MEC	CMPs
	C1.2.7	Establish the Friends of Cabbage Tree Bay.	2008	MEC	CTB CMP
Partnerships	C1.2.8	Continue to work in partnership with the Dept Primary Industries and NSW Maritime to conserve marine resources.	Ongoing	NR	CMPs

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	C1.2.9	Initiate via the Sydney Council Councils Group communication and information transfer network through government, tertiary institutions and non-government organisations, including seeking the latest research on Manly's marine environments.	Ongoing	NR	CMP
	C1.2.10	Keep abreast of the latest developments to control the invasive weed <i>Caulerpa taxifolia</i> which is present in Spring Cove and Little Manly Cove.	Short Term	NR	CMP
	C1.2.11	Conduct review of impacts of stormwater upon coastal processes and marine ecology. Include a review on beach raking activities, while acknowledging the importance of the operation for safety.	Short Term	NR	CMPs
Regulation	C1.2.12	Council actively police breaches of the NSW Primary Industries bag limits and Aquatic Reserves where possible.	Ongoing	Rangers	CMPs
Marketing	C1.2.13	Develop a high level of environmental education and thus foster behaviour change amongst marine recreational users and broaden Manly Councils reputation in this area in cooperation with State Government Agencies.	Short Term	CEP	EfS
Advocacy	C1.2.14	Lobby the Minister for the Environment, Minister for NSW Fisheries and DEC to extend the boundary of the Aquatic Reserve in North Harbour to include sensitive areas of Fairlight, Forty Baskets, Little Manly Cove and Manly Cove shoreline, and the prohibition of commercial fishing should the state government lift the current ban in force until 2011.	Short Term	Environment committee	CMPs
	C1.2.15	Lobby Dept Primary Industries to advocate for areas of "no anchoring" and eco-friendly mooring buoys to replenish sea grasses within the Harbour.	Short Term	Environment committee	
	C1.2.16	Lobby Dept Primary Industries to start a process of upgrading all moorings to seagrass friendly moorings and to work with NSW Maritime to develop best practice in regards to anchoring, mooring and seagrass issues.	Short Term	Environment committee	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Regulation	C1.2.17	Assist with the enforcement of fishing, mooring and boating restrictions pertaining to the declaration of Penguin Critical Habitat. Dept Primary Industries to provide further resources to assist Council rangers.	Short Term	Rangers	Recovery Plan
Evaluation	C1.2.18	Monitor fish and fish habitat within the Cabbage Tree Bay Aquatic Reserve over time to reflect the success of its designation as a "No Take" Aquatic Reserve.	Every three years.	NR	CTB CMP

C1.3 Coastline and Estuary Management Program

To manage the terrestrial and marine environment interface to balance environmental conservation and the enjoyment of the areas by user groups and ensure that Manly's coastlines are recognised for their important natural and cultural heritage.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.3.1	Under the auspice of the Manly Harbour Foreshores and Manly Coastline Management Committees, develop and implement comprehensive Coastline Management Plans (CMPs) for all areas of foreshore in Manly. Include provisions to address Community Land and Crown Land requirements in all plans.	Short Term	NR	CMPs
	C1.3.2	Undertake Coastline Hazard Definition Studies as a component of all Coastline Management Plans Implement adopted Coastline Hazard Definition Studies and establish a system for monitoring seawall stability, beach widths and level of risk posed by specific hazards identified during the Coastline Hazard Definition Study Process.	Short Term	NR	CMPs
	C1.3.3	The CMPs are to include an assessment of coastal processes and hazard information on foreshore/beach areas.	Short Term	NR	CMPs
	C1.3.4	Establish a Community Working Group and undertake Estuary Management Plans, guided by the NSW Government's Estuary Management guidelines, for Clontarf and Bantry Bay coastline areas.	Short Term	NR	EMP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	C1.3.5	Implement a prioritised action plan from each CMP/EMP as they're prepared and adopted.	Short Term	NR	CMP
	C1.3.6	Continue beach profile monitoring program for the Manly Ocean Beachfront.	Short term	NR	CMP
	C1.3.7	Monitor and be actively involved in the beach nourishment debate concerned with sea level rise. Encourage SCCG and the State Government to use Manly's Beach as a pilot for beach nourishment investigations.	Short Term	NR	CMP
	C1.3.8	Incorporate latest climate change information into management decisions including consideration of a strategy to address sea level rise. Consider possible impacts on the underground aspects of development.	Short Term	NR	CMP
	C1.3.9	<i>See C1.1 for the Manly Lagoon and catchment management initiatives which incorporates the Manly Lagoon Estuary Management Plan.</i>			
	C1.3.10	Develop a monitoring system for identified coastal hazards and mitigate these based on risk posed by individual hazards and allocation of grant funding.	Short Term	NR	CMP
Education for Sustainability	C1.3.11	Creation of interpretive signage at high profile recreational areas around our coastline and estuary areas for community education and to help consolidate other ancillary signs and to reduce the visual impacts on natural environment. <i>See C1.1 for Operation: Manly Lagoon</i>	2007	CEP	CMP; EfS
Partnerships	C1.3.12	Continue to participate as a representative on the Sydney Coastal Councils Group in regard to regional coastal management issues for Sydney.	Ongoing	Council	CMPs
	C1.3.13	Continue to work closely with the Sydney Metropolitan CMA and its network of tertiary institutions and government.	Ongoing	NR	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	C1.3.14	Continue to investigate with Sydney Water the feasibility of re-locating ocean beach stormwater pipes, combined with innovative stormwater reuse options.	2007	NR	CMP
	C1.3.15	Trial aeration device prior to the Manly Lagoon dredging works to increase pollutant yield during dredging.	2007	NR	ICMS
Marketing	C1.3.16	Continue to promote CMPs and EMPs and encourage community and stakeholder involvement in implementation through the web page, and community field days.	Ongoing	NR	CMPs/EMP
Advocacy	C1.3.17	Lobby State and Federal Governments to play a more proactive role in the management of climate change impacts and in the provision of support and assistance to Local Government.	2007	MEC	MSS
Evaluation	C1.3.18	Cyclic evaluation of the CMPs/EMP with timing as specified in each plan.	As specified	NR	CMPs/EMP

C1.4 Geodiversity Program

To protect and conserve the important elements of Manly's geodiversity through raising awareness, considering its values in all planning and management and integrating with biodiversity management.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.4.1	Identify, map and evaluate significant geodiversity elements in the LGA and incorporate data into council's GIS.	Short Term	NR	MSS
	C1.4.2	Seek assistance from universities and encourage a postgraduate student to assist with or undertake the geodiversity mapping.	Short Term	NR	
	C1.4.3	Develop a geodiversity conservation strategy that covers the whole range of natural earth features.	Medium Term	NR	
	C1.4.4	Review opportunities within Council's planning controls to assist the conservation of geodiversity, including limiting excavations and protecting Manly's ground water.	Short term	PS	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	C1.4.5	Ensure that geodiversity conservation is considered before action is taken to remediate Coastal Hazards and other identified geotechnical hazards.	2007	NR	LEP
	C1.4.6	Consider landform issues in planning.	Short Term	PS	
	C1.4.7	Take action to protect vulnerable geoheritage sites.	2007	NR	
Education for Sustainability	C1.4.8	Educate all relevant council staff about geodiversity issues, possibly through Cram Your Cranium Series.	2007	PS	MSS
	C1.4.9	Incorporate discussion of geodiversity into existing public education programs such as 'Hill to Harbour' and Rock Platform education.	2007	CEP	
	C1.4.10	Prepare pamphlets to educate developers and landowners about geodiversity.	Medium Term	CEP	
Partnerships	C1.4.11	Support geodiversity mapping program across all of North Head.	Short Term	PS	
Research and Development	C1.4.12	While the bedrock and gross landform of the area is understood, some areas that require further study include; <ul style="list-style-type: none"> • Small -scale sandstone landforms generally and particularly in the coastal zone. • Conservation-sensitive approaches to geotechnical remediation, particularly in the coastal zone. • Groundwater in the Hawkesbury Sandstone, particularly fissure and bedding-plane aquifers. Geological structures in the sandstone, their geotechnical and hydrological significance. • High dunes at North Head and possible dune remnants at Tania Park. • The distribution and significance of volcanic dykes 	Medium Term	NR	
Advocacy	C1.4.13	Encourage other local councils to undertake similar geodiversity assessment, particularly through SHOROC.	Medium Term	NR	

C1.5 Maintaining our Biodiversity and Terrestrial Environments Program

To have a holistic approach to biodiversity management.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.5.1	Complete a Biodiversity Strategy developed from the flora and fauna study including biodiversity mapping and implement actions identified. Includes actions to support Manly's threatened species, and Local Habitat Plans to encourage residents to support biodiversity; feral animal control including Indian Mynas.	Short term	NR	Bushland Mgt Plan CAMP
	C1.5.2	Compile a comprehensive list and map the location of threatened species through the LGA, incorporate into GIS.	Short Term	NR	LEP/DCP
	C1.5.3	Review Council's planning instruments to ensure the protection of natural areas and integration of sustainability principles. Assess against a triple bottom line. Incorporate provisions for biodiversity management in DA consents.	Short Term	PS	Tree Preservation Policy
	C1.5.4	Compile a "Natural Assets" GIS layer, with view to incorporating in the Manly LEP.	Short Term	PS	LEP
	C1.5.5	Consider compiling a companion animal exclusion zone on eastern hill, which encourages residents to not replace deceased cats and dogs.	Short Term	PS	LEP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	C1.5.6	Implement the recommendations of the Manly Flora and Fauna Study.	Short term	US / NR	Flora and Fauna study
	C1.5.7	The provision of consultants/specialised technical advice pertaining to: biodiversity, threatened species management and geo-technical issues for assessment of development.	Short Term	NR	
	C1.5.8	Design and implement a fire management strategy in cooperation with the Metropolitan Fire Brigade that recognises the ecological needs of the flora and fauna as well as the risk posed to life and property	Medium term	US	
	C1.5.9	Identify contaminated sites and direct for remediation of private property contaminated sites: remediate those open space in accordance with legislation and Council policy.	Short term and ongoing	US	
	C1.5.10	Investigate and implement the use of weed control methods that will minimise the use of chemicals, especially in areas adjacent stormwater drains and/or local waterways.	Ongoing	US	
	C1.5.11	Implementation of Strategies outlined in the Endangered Population of Penguins at Manly Recovery Plan (NPWS)	Short term	NR	
Education for Sustainability	C1.5.12	Invite residents to the bi-monthly community "Hill to Harbour" walking tours, guided by skilled interpretive guides and Council staff.	Ongoing	CEP	EfS
	C1.5.13	Continue to hold Penguin Aware workshops.	Short Term	MEC	
	C1.5.14	Raise community awareness and involvement in Natural Resource Management through provision of educational programs, including raising awareness of the health benefits of trees.	Ongoing	CEP	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Partnerships	C1.5.15	Work with the community to promote understanding and appreciation of the value of natural areas, in an environmental, economic and social context.	Medium Term	CEP	Flora and Fauna Study
	C1.5.16	Work with DEC, SHFT and other relevant agencies to progress the development of an educational sanctuary across North Head	Short Term	MEC	
Research and Development	C1.5.17	Continually update the GIS with data relevant to this principle.	Short Term	DTG	
Marketing	C1.5.18	Erect standardised signs at entrances to all bushland reserves identifying the reserve's name, and any interesting or important facts for residents and visitors. Consider sponsorship by local organisations.	Medium Term	NR	Flora and Fauna Study; PoMs
Advocacy	C1.5.19	Lobby State and Federal Government for funding and legislative support.	Short term	PS	
Evaluation	C1.5.20	Review the Biodiversity Strategy including assessing implementation every three years, once adopted.	Three years after adoption.	NR	Biodiversity Strategy

C1.6 Flora Program

To protect, restore and enhance the range of existing remnant (indigenous) vegetation communities in Manly

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.6.1	Prepare and implement a Weed Management Strategy, which addresses the following: <ul style="list-style-type: none"> Identifies and monitors the distribution of significant and potential weed infestations for assessment of spread and effectiveness of control measures Develop and prioritise an action plan for controlling or eradicating infestations as identified by above 	Medium	US	Pesticide Notification Policy
	C1.6.2	Ensure weed removal considers the protection of wildlife, threatened species in particular, and is followed by immediate mulching and planting of indigenous vegetation. Where cover for fauna is limited, install shelter structures such as timber logs, rocks etc.	Short and ongoing	US	Flora and Fauna Study
	C1.6.3	Encourage the conservation of remnant vegetation and significant trees in the Manly Heritage Study review.	Short term	PS	Manly Heritage Review
Management	C1.6.4	Continue to identify and address in a sensitive manner areas where urban runoff/stormwater is causing significant damage to native vegetation	Short Term	US	Pesticide Notification Policy
	C1.6.5	Continue to ensure local indigenous flora stock are available for planting through the seed collection and propagation program.	Short Term	US	Flora and Fauna Study
	C1.6.6	Implement <i>WEED like to Help</i> - a weed removal incentive scheme offering residents assistance to make their gardens more bushland and fauna friendly. Residents are offered a free garden visit, advice on weed identification and control techniques plus free native plants to replace weeds and other invasive garden plants.	Short Term	US	
	C1.6.7	Investigate Greening Australia's <i>Plant Smart</i> program which is aimed at raising community awareness to improve the safety, reliability and efficiency of the energy supply.	Short Term	US	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	C1.6.8	Notify land owners with remnant vegetation of its importance; conserve all existing indigenous flora and fauna species, and encourage the return of locally extinct species to Manly.	Medium	US	Flora and Fauna Study
	C1.6.9	Encourage the removal of weeds from private property by identifying several target species with pictures in educational material		US	
	C1.6.10	Encourage residents and tourists alike to desist from feeding native animals and birds.			
Partnerships	C1.6.11	Continue to assist DEC with the Little Penguin monitoring.	Short Term	NR	Recovery Plan
	C1.6.12	Develop Community Critical Habitat Strategy for Manly Point in consultation with DEC and local residents.	Short Term	NR	Recovery Plan
Research and Development	C1.6.13	Research <i>Phytophthora cinnamomi</i> present in the Manly LGA through the assistance of university students and amateur interest groups and implement hygiene controls to attempt to limit the virus spreading. Monitor control and eradication techniques. Liaise with NPWS and SHFT on appropriate Management.	Short Term and ongoing	US	Flora and Fauna Study
	C1.6.14	Map the extent and value of riparian vegetation loss within the Manly LGA.	Medium Term	US	Pesticide Notification Policy
	C1.6.15	Monitor research and undertake trial pest plant control techniques that minimise adverse affects	Medium term	US	ICMS
	C1.6.16	Identify ways to increase replanting of and address loss of riparian vegetation.	Medium term	NR	
Regulation	C1.6.17	Council actively police breaches of the Tree Preservation Order, heritage listings of landscape items, and impacts on SEPP 19 bushland.	Ongoing	Compliance	Tree Preservation policy
Regulation	C1.6.18	Undertake eradication of all noxious weeds through enforcing legislation.	Short Term	US	Pesticide Notification Policy

C1.7 Fauna Protection Program

To conserve all existing indigenous fauna species, and encourage the return of locally extinct species to Manly.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C1.7.1	Continue to identify and map significant sites of habitat for native fauna. Liaise with DEC, Australian Museum, WIRES and the Sydney Metropolitan Wildlife Service, and incorporate into the aforementioned Biodiversity Strategy.	Short Term	NR	Flora and Fauna Study
	C1.7.2	Develop and undertake a Feral Animal Eradication Program in conjunction with NSW DEC and Councils in the northern region (Urban Feral Animal Action Group).	Short Term	Birds: EHO Mammals: US	
	C1.7.3	Identify and map possible wildlife corridors throughout both public and private lands. Identify opportunities for habitat corridor establishment.	Medium Term	US	
	C1.7.4	Link into existing and potential habitat corridors in neighbouring Council areas after liaison with the appropriate officers and authorities.	Medium Term	US	
	C1.7.5	Develop planning mechanisms to protect and conserve corridors.	Medium Term	PS	
Management	C1.7.6	Retain hollow trees and logs for habitat by not removing from Council reserves where appropriate. Have Council practice clump plantings (all height strata and of large diversity) of local indigenous flora species in council landscaping activities to promote fauna habitats	ongoing	US	Flora and Fauna Study
	C1.7.7	Identify and enhance wildlife corridors and other wildlife habitat including those which transverse private lands.	ongoing	US	
	C1.7.8	Develop strategies to address fauna "road kill" through the aforementioned Biodiversity Strategy.	Short	NR	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	C1.7.9	Hold Education and Enforcement days in conjunction with neighbouring Councils.	Medium	Rangers	
	C1.7.10	Publicise widely the guidelines for responsible pet ownership, and continue to hold a Companion Animals day with the focus on sustainable and responsible pet ownership.	Short Term	Rangers	
	C1.7.11	Promote the Wildlife Corridor concept to the community and Council, the benefits of such, and ways in which the community can contribute to their development e.g) via Councils bushcare program.	Short Term	CEP	
Partnerships	C1.7.12	Work with DEC to ensure protection of Manly's threatened species.	Ongoing	NR	Recovery Plans
Research and Development	C1.7.13	Research invertebrates present in the Manly LGA through the assistance of university students and amateur interest groups.	Medium Term	MEC	Flora and Fauna Study
Regulation	C1.7.14	Actively monitor developments associated with threatened species to ensure conditions of consent are adhered to.	Ongoing	Compliance.	
Advocacy	C1.7.15	Council lobby the DEC to seek the finalisation of the draft Long-nosed Bandicoot Recovery Plan and critical habitat declaration.	2007	Environment Committee.	
Evaluation	C1.7.16	Record all sightings of fauna, and encourage residents to report their sightings for inclusion on a database, including invertebrates. This will develop baseline data. Integrate into the SoE.	2007	MEC	

Your Personal Action

As described in the Community Report, the community can take local action for sustainability by minimising chemical use and using alternatives, being water-wise, demonstrating responsible companion animal ownership and being 'bush-friendly'.

C2. Enable Manly's community to minimise our ecological footprint.

Manly's Programs for Sustainability:

- C2.1 Water Cycle Management Program
- C2.2 Sustainable Energy
- C2.3 Corporate Greenhouse Program
- C2.4 Responding to Greenhouse and Climate Change Program
- C2.5 Preserving Air Quality Program
- C2.6 Waste Avoidance Program

Cities consume very large quantities of resources and have a major impact on the environment, well beyond what they can handle within their borders. These unsustainable trends need to be curbed. One way of describing the impact of a city is to measure its ecological footprint. The ecological footprint of a city is a measure of the 'load' on nature imposed in meeting the needs of its population. It represents the land area necessary to sustain current levels of resource consumption and waste discharged by that population. Reducing the ecological footprint of a city is a positive contribution towards sustainability.

What is this theme about globally?

Like any living system, a community consumes material, water and energy inputs, processes them into useable forms and generates wastes. This is the 'metabolism' of the city and making this metabolism more efficient is essential to reducing the city's ecological footprint. In reducing the footprint, problems should be solved locally where possible, rather than shifting them to other geographic locations or future generations.

We are at present consuming our natural capital at rates faster than they can be replenished.

In a local sense, this means...

Sustainable natural resource management is defined as using, conserving and enhancing natural resources so that ecological processes, on which life depends, are maintained and the total quality of life, now and in the future, can be increased.

Manly's main resource use issues are:

- Energy – including electricity, gas and liquid fuels
- Water supply and use
- Waste generation, including sewage, landfill, recycle/recovery programs
- Air pollution.

Global issues – Local action

Recent headlines covering the drought and impending climate change demonstrate how close to home these issues are. We are also a part of the growing global concerns about ozone layer depletion. While ozone layer depletion has been proven scientifically and is now (2006) showing signs of amelioration, scientific consensus also supports the enhanced greenhouse phenomenon, which is anticipated to lead to sea level rise; reduced rainfall and greater weather extremes. Human activities have altered the global carbon cycle and this is beginning to impact on the world's climate. The changes expected have real implications for landuse planning, health, and biodiversity, amongst many others.

Climate Change has the potential to effect Manly in a social and economic sense. The cost for upgrading infrastructure, including stormwater drainage system and sea walls; potential inundation of land and subsequent relocation, greater climatic extremes and their impacts on health may have a significant toll on the Manly community.

Air Pollution Knows No Boundaries

Urban areas like Manly suffer the impact of accumulated air pollution and odours. Air pollution knows no boundaries and is subject to the prevailing weather conditions and atmospheric circulation. The Greater Sydney Airshed transports pollutants all the way along the coast from Newcastle and Wollongong and west to the Blue Mountains. It is the motor vehicle that is the dominant source of air pollution in Australian cities.

Activities contributing to air pollution and odours in Manly are:

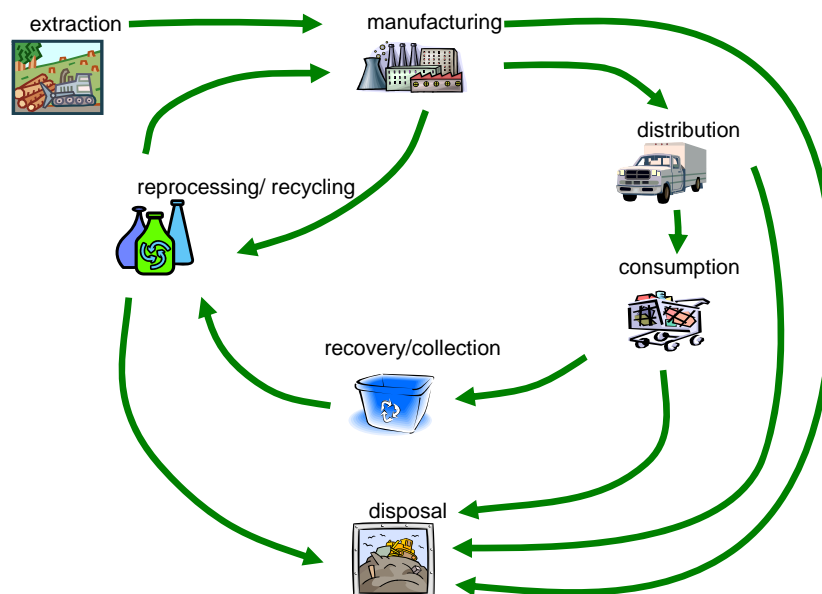
- Private car use and transport pollution - arterial roads within Manly service much of the traffic travelling between the Northern Beaches and the City. Council's State of Environment Reports indicate the daily volume trend for traffic in the Manly area is increasing.
- Commercial cooking facilities
- Industry
- North Head Sewage Treatment Plant and sewage sludge truck odours.
- Bushfires and burn offs (fire management)
- Solid fuel heaters
- Sewage pumping stations and sewage transport systems.
- Illegal backyard burning
- Indoor air pollution such as smoking.

Towards Zero Waste

Waste has been recognised by all levels of government and the community as a significant problem not just from its volumes, waste of resources and toxic content, but also as all waste contains considerable embedded energy. Our landfills need not fill at phenomenal rates nor cause numerous environmental problems.

The most appropriate way to achieve a reduction of waste going to landfill is to avoid generating the waste in the first place. We need to follow the principle of "avoid, reduce, reuse, recycle" and be responsible for the waste we are creating. Industry also needs to reduce waste generation by taking a whole life-cycle approach to products and be responsible for the waste they are creating.

In moving toward zero waste, products and materials presently seen as waste will need to be seen as resources to be saved or reused. The 'whole of system' approach recognises that there is a chain of economic activity that produces goods and materials as well as waste, and a zero waste philosophy will move the traditional emphasis from extraction and disposal to avoidance, reuse and reprocessing.



Litter is the most common visual pollutant affecting our waterways and terrestrial environment with our beaches often lined along the tide marks with plastics, bottles, cigarette butts, fishing line and other rubbish discarded by humans.

Litter sources in Manly include:

- Land litter washed into waterways and beaches - litter on Manly Harbour beaches often originates from the Lane Cove and Parramatta Rivers and is a difficult issue for Manly to address;
- Carelessly dropped or left behind;
- From cars (thrown out of windows);
- Unsecured loads;
- Blown out of litter bins;
- Construction debris and litter from building sites;
- Maritime litter from coastal and inshore shipping and fisheries;
- Oceanic litter from beyond these areas.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- The **decentralisation of sewage and water systems** to enable closure of the North Head STP and increase water reuse opportunities.
- Advocating **against a desalination plant** for Sydney.
- The **Local Air Quality and Greenhouse Action Plan**
- The International **Cities for Climate Protection Program** for greenhouse gas reduction
- Recognising, preparing and planning for **climate change** including risk management
- Promoting and operating Manly's Hop, Skip and Jump **Free Community Bus Service** to reduce Manly resident's reliance on private vehicle use.
- Supporting alternative fuel use and **Green Power** for Council's facilities.

- Establishing **community gardens** with the community, and advocate permaculture.
- Implementing Manly's **Towards Zero Waste Strategy** and strive for Zero Waste.
- Implementing **sustainable water reuse** and alternative sources programs
- Advocating Council's support of the **Kyoto protocol**
- Encouraging use of the variety of **alternative mobility options** available to reduce dependence of the private motor vehicle.
- Creating **pedestrian dominated environments**.
- Implementing the **Manly Bicycle Plan**, including completing the Manly bikeway network.
- Celebrating Business success in reducing their ecological footprints through continued support for the **Green Business Awards**.
- Seeking **zero waste at functions** and events in Manly (Policy Register W20)
- Recognising local **not-for-profit ventures** which practice and educate regarding sustainability.

What we want to achieve (vision, goals):

- To promote and encourage the conservation, responsible use and consumption of water and energy in Manly.
- Manly's transition to a sustainable energy future is globally responsible and locally innovative.
- To lower both renewable and non-renewable energy consumption at Council facilities and operations, with a greater emphasis on reducing consumption of energy from non-renewable sources.
- That Manly Council will plan to meet the challenges of climate change, and seek to mitigate impacts in line with sustainable development principles.
- To significantly improve the air quality of Manly.
- To provide for continual reduction in and where possible eliminate waste generation – towards zero waste;

How we will know that we are on track:

Indicator	Target	2050 Goals
Total Manly waste generation (also report per capita and by sector)	2014 zero waste	Zero Waste generated. All materials in Manly are recovered or reused.
Total Manly water consumption	By 2010 50% reduction on 1999 figures	No portable water used for irrigation or cleansing.
Total Council water consumption	By 2010 50% reduction on 1999 figures	No portable water used for irrigation or cleansing.
Total Manly energy consumption	By 2010 25% reduction on 1996 figures.	All Manly energy needs are met through renewable resources and energy efficiency.
Total Council energy consumption	By 2010 25% reduction on 1996 figures.	

Indicator	Target	2050 Goals
Total renewable energy use (greenpower)	By 2010, 20% of all electricity use in Manly should come from clean, renewable sources.	
Community Greenhouse Gas emissions	By 2010 25% reduction on 1996 figures.	Manly generates zero net greenhouse gas emissions.
Council greenhouse gas emissions	By 2010 50% reduction on 1996 figures.	
Percentage of the Council's non-emergency fleet vehicles using: alternative fuels 4 cylinders (as opposed to 6)	increase	100%
Ecological footprint for Manly	(no target)	To be set by the MSSMG.
Percent of Manly residents who are aware of the Ecological Footprint for Manly and understand their contribution to it.	50% by 2011.	100%
Recommendations of the Manly Coastline Management Plan intended to address climate change are implemented.	75%	Manly are adapting and climate change ready.

Strategies for a sustainable Future:

C2.1 Water Cycle Management Program

To promote and encourage the conservation, responsible use and consumption of water and energy in Manly.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.1.1	To understand and prioritise the sustainability and use of Manly's water cycle including: <ul style="list-style-type: none"> Stormwater treatment and on-use Trial grey water system on residential land uses Groundwater on-use Effluent treatment and re-use 	Short Term	NR	Water Savings Plan
	C2.1.2	Assist stakeholders in Manly to also achieve the above. Identify and facilitate appropriate re-users of stormwater including Council golf courses and local industry, and liaise towards above action.			
	C2.1.3	Work with Sydney Water to secure the North Head Sewage Treatment Plant water reuse system resource for Manly and community futures.	Short Term	NR	Water Savings Plan

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	C2.1.4	Prioritise, implement and monitor rainwater harvesting and stormwater reuse.	Short Term	NR	Water Savings Plan
	C2.1.5	Implement Council's Water Savings Plan looking at water conservation, reuse and recycling for all of Council's water uses.	Short Term	NR/US	
	C2.1.6	Implement a residential Sun and Rain Dollar Gain Residential Energy and Water Conservation Program in partnership with key service providers and businesses (links with Action in Energy), including subsidy of rainwater tanks to reduce volumes of runoff, and conserve potable water.	Short Term	NR	
Education for Sustainability	C2.1.7	Continue working in partnership with businesses to develop Environmental Management Plans, in response to Environmental Audits which consider the Triple Bottom Line, through both the Stormwater SEA Change and Sea Change for Sustainable Tourism programs.	Ongoing	CEP	ICMS
Partnerships	C2.1.8	Continue to develop Partnerships with Sydney Water and the Manly LGA's Golf Clubs and other potential bodies to secure the recycled sewage resource from North Head.	Short term	NR	Sydney Water MOU
Research and Development	C2.1.9	To monitor, evaluate and adapt stormwater practices to reflect the seasonal variance and identify re-use potential of treated stormwater	Short Term	NR	Water Savings Plan
Marketing	C2.1.9	Promote new water conservation and water recycling initiatives, such as grey water systems, rainwater tanks, alternative on-site disposal systems	Ongoing	NR	Water Savings Plan
Regulation	C2.1.20	Maintain a register of approvals of greywater systems and record of monitoring of the systems and soil conditions.	Short Term	NR	Greywater Use Policy
Advocacy	C2.1.21	Consider preparing a discussion paper or the like to open up debate with Council's Scientific Advisory Panel and the Sydney Coastal Councils Group regarding advocacy for a new Stormwater Management Authority.	2008	SAP	

C2.2 Sustainable Energy

Manly's transition to a sustainable energy future is globally responsible and locally innovative.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.2.1	Develop a Manly Energy Savings Plan which review's Manly's Local Air Quality and Greenhouse Action Plan and encompasses the following actions (see link below with Climate Change response):	Short term	NR	LAQGAP
	C2.2.2	Develop Manly: Solar Suburb (or the like) including the creation of a "solar mile" along the Manly Ocean Beach Front.	Medium term	NR	
	C2.2.3	Investigate opportunities for "solar sculptures", integrating with the public place renewal and the sculptures program.	Medium term	HSF	
Management	C2.2.4	Implement a Sun and Rain Dollar Gain Residential Energy and Water Conservation Program in partnership with key service providers and businesses (links with Action in Water).	Short Term	NR	LAQGAP
Education for Sustainability	C2.2.5	Develop and distribute resource materials through hardware stores and other outlets which outline benefits of incorporating renewable energy inclusions into new and existing dwellings.	Ongoing	NR	EfS
	C2.2.6	Promote a Manly-wide week long "Car Free Challenge", to promote the community bus, bike paths and cycling, and walking etc.	Annual	MEC	LAQGAP
Research and Development	C2.2.7	Develop a pilot Manly energy project to showcase energy efficiency and renewable energy sources.	Medium Term	NR	LAQGAP
Marketing	C2.2.8	Council consider issuing Mayor's Manly Energy Challenge to reduce energy by 25% by 2010	Short Term	MEC	LAQGAP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Advocacy	C2.2.9	Lobby Federal Government assist the affordability of renewable energy technologies and appliances including rainwater tanks and environmentally sound building materials.	Short Term	Environment Committee	LAQGAP
	C2.2.10	Lobby Federal Government to reinstate and then double the full photovoltaic rebate as per the House of Representatives Standing Committee on Environment and Heritage (2005).	Short Term	Environment Committee	
	C2.2.11	Lobby the Federal Government to encourage decreased dependence on fossil fuels and increase research funding and assistance for other ecologically sustainable technologies; bring back the photovoltaic rebate and increase.	Short Term	Environment Committee	
	C2.2.12	Lobby the Federal Government regarding FBT tax, emphasising the unsustainable focus on encouraging mileage being travelled by cars.	Short Term	Environment.	

C2.3 Corporate Greenhouse Program

To lower both renewable and non-renewable energy consumption at Council facilities and operations, with a greater emphasis on reducing consumption of energy from non-renewable sources.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.3.1	<p>Develop a Council vehicle fleet that maximises energy efficiency including:</p> <ul style="list-style-type: none"> • Having fuel-efficient, alternative fuels and hybrid vehicles where possible. • Use www.greenvehicleguide.gov.au in our decision making. • Establishment of a car-pooling scheme for employees (includes consideration towards shared parking station passes). • Secure Bicycle storage facilities within Council. • Continue the public transport pass initiative for Council staff. • Considers www.greenvehicleguide.gov.au • Providing incentives for sustainable transport options. 	Short Term	US	LAQGAP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	C2.3.2	Investigate renewable energy sources to supplement Council's energy supplies.	Short Term	NR	LAQGAP
	C2.3.3	Review and report on the potential for Council to purchase a greater percentage of energy from renewable sources eg. green power.	Short term	NR	
	C2.3.4	Enhance energy-saving programs within Council and the wider community.	Short Term	NR	
Education for Sustainability	C2.3.5	Through staff education encourage car-pooling, public transport, bicycle transport and greener fleet vehicles.	Medium	CEP	LAQGAP
	C2.3.6	Educate employees as to the benefit of Active Transport. Educate on car pooling set up and operation, sharing costs, back up plans, etc.	Short Term	RSO	
Partnerships	C2.3.7	Through SHOROC investigate the viability of a regional waste facility that recovers resources, generates energy and sustainably manages organic by-products, possibly supported by the State Government's Energy Savings Fund grant (see link with action x).	Short Term	WC	LAQGAP ; Zero Waste policy
Research and Development	C2.3.8	Undertake energy audits of all Council buildings and implement recommendations.	Short term	HSF	LAQGAP
Evaluation	C2.3.9	Undertake monitoring and review constantly.	Short Term	HSF	LAQGAP

C2.4 Responding to Greenhouse and Climate Change Program

That Manly Council will plan to meet the challenges of climate change, and seek to mitigate impacts inline with sustainable development principles.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.4.1	Implement best-practice risk management through Coastal Plans of Management.	Short Term	NR	CMPs
	C2.4.2	Subject to review by Council's Climate Change Working Group, review the possible social, economic and environmental impacts of climate change on Manly and ensure there are planning or management responses in place to address them by undertaking an assessment through the Australian Greenhouse Office's Climate Change Impacts & Risk Management. A guide for business and government. Integrate recommendations into the review process of the Local Air Quality and Greenhouse Action Plan. Consider alternative power sources in this review.	Short Term	CPS to refer to GM.	
Management	C2.4.3	Continue to develop a comprehensive understanding of natural hazards affecting Manly's environment.	Short Term	NR	CMPs
Education for Sustainability	C2.4.4	Prepare and implement a climate change community awareness and education program which seeks to assist the community to better understand factual information and possible implications for Manly.	2006	MEC	LAQGAP
	C2.4.5	Determine the Manly community's ecological footprint and use as a benchmark for further measurement of progress.	2007	MEC	EfS
	C2.4.6	Education regarding the global concerns of "peak oil" and the implications and the opportunities.	2007	MEC	
Partnerships	C2.4.7	Continue partnerships with the Sydney Coastal Councils Group, ICLEI and universities which seek to provide Council with best practice management responses to climate change.	Ongoing	NR	
Research and Development	C2.4.8	Monitor scientific debate and interpret with the assistance of Council's Scientific Advisory Panel.	Ongoing	NR	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Evaluation	C2.4.9	Using the Cities for Climate Protection Software, assess Council's and the community greenhouse gas emissions, ensuring progress to the 25% goal by 2010.	Short Term	NR	LAQGAP

C2.5 Preserving Air Quality Program

To significantly improve the air quality of Manly.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.5.1	Prepare a Transport Strategy for Manly which seeks to increase sustainable options for transport, and reduce private vehicle use.	Short term	US	LAQGAP
	C2.5.2	Undertake a policy on solid fuel heaters including discouraging their use	Medium term	PS	
	C2.5.3	Discourage outdoor heaters in public places.	Short term	CS	
Management	C2.5.4	Incorporate into the council fleet management an environmental policy to increase the use of four cylinder vehicles and significantly reduce fuel consumption per km, provide greenhouse emission offset option and continue to investigate other alternative options including hybrid vehicles.	Short Term	US	LAQGAP
	C2.5.5	Facilitate the introduction of car share programs within the Manly LGA	Short Term	US	
	C2.5.6	Continued operation of Council's Community bus service - Hop, Skip and Jump.	ongoing		

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	C2.5.7	Encourage the community to make choices using the www.greenvehicleguide.gov.au	Medium	NR/CEP	LAQGAP
	C2.5.8	Highlight the health benefits of using sustainable transport such as bikes and walking.	Ongoing	RSO	
	C2.5.9	Conduct education programs on air quality, including education on current air pollution legislation.	Ongoing	CEP	
	C2.5.10	Promote best use of solid fuel heaters to limit air pollution with assistance from the Department of Environment and Conservation.	Medium term	EHO	
Partnerships	C2.5.11	Work cooperatively with industry and business to reduce odour and air pollution emissions and initiate a more regulatory approach if the cooperative approach is not effective.	Short term	EHO	LAQGAP
	C2.5.12	Work with State Transit to develop park-and-ride sites to increase bus patronage. Also discuss with State Transit safety/comfort/reliability issues that should improve overall levels of satisfaction for public transport users and attract new users from private motor vehicles. Consideration of partnerships between Council and car share companies, car-pooling companies/organisations, and sustainable tourist transport operators	Short Term	US	
Research and Development	C2.5.13	Monitor the biofuel trials underway in local governments nationally, including Council's trial in the community bus program.	Short term	NR	LAQGAP
Regulation	C2.5.14	Enforce and police air pollution legislation, for example incinerator use.	Ongoing	Rangers	LAQGAP
	C2.5.15	Prepare a plan to hold a "Smoky Vehicles" blitz, targeting vehicles which emit air pollution.	Once per year.	EHO	
Marketing	C2.5.16	Educate the benefits of reducing private motor vehicle use, including reduced fuel bills and improved health.	Ongoing	RSO	LAQGAP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Advocacy	C2.5.17	Lobby Ministry of Transport to fund innovative and effective public transport campaigns, supporting bus operators to increase patronage.	Short Term	Env Committee	LAQGAP
	C2.5.18	Lobby the State Transit Authority for the use of gas powered buses in Manly, and for dedicated busways on major commuter routes.	Short term	Env Committee	
	C2.5.19	Lobbying State government for protection of the ferry service including more improved frequent and lower cost services, reliable bus services, and review of timetables to ensure that buses link with ferries.	Short Term	Environment Committee	
	C2.5.20	Lobby for a regional approach to combating air pollution through SHOROC (See link with action x).	Medium Term	Environment Committee	
	C2.5.21	Lobby DEC with assistance from SHOROC for a mobile local air quality monitoring program to concentrate on appropriate areas. Initiation of local air quality monitoring program will provide accurate base line data. (See link with action x).	Medium term	MEC	
Evaluation	C2.5.22	Undertake a review of the Local Air Quality and Greenhouse Action Plan and update accordingly.	2007	NR	LAQGAP

C2.6 Waste Avoidance Program

To provide for continual reduction in and where possible eliminate waste generation – towards zero waste

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C2.6.1	Develop a yearly review process for Councils Zero Waste Strategy	2007	WS	Towards Zero Waste
Management	C2.6.2	Manage Council's Domestic Waste Service in an efficient manner supporting initiatives to reduce waste	Ongoing	WS	Towards Zero Waste
	C2.6.3	Manage Council's Commercial Waste Service in an efficient manner supporting initiatives to reduce waste			
	C2.6.4	Manage Council's Waste Education programs.			
Education for Sustainability	C2.6.5	Shift the view from waste to alternative resources. Raise community awareness of the social, economic and environmental consequences of not reducing waste.	Short term	CEP	Towards Zero Waste
	C2.6.6	Engage community in development of programs to ensure community ownership.	Ongoing	CEP	
	C2.6.7	Continue to develop the community garden/nursery program, including development of a Strategic Plan that identifies future sites, community interest, council staff opportunities and links as well as funding sources.	Short term	CEP	
	C2.6.8	Develop an Earth works workshops program to improve community knowledge of home composting, green gardening and sustainable purchasing	Short term	CEP	
Partnerships	C2.6.9	Create partnerships with key sectors of the community and community organisations to assist in moving towards zero waste	Short term	CEP	Towards Zero Waste
	C2.6.10	Involve the community in developing innovative solutions to improving waste reduction	Short term	CEP	
	C2.6.11	Utilise Precincts in promoting programs.	ongoing	CEP	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Regulation	C2.6.12	Enforce appropriate legislation and local laws in regard to littering, following education and awareness programs.	Ongoing	Rangers	Towards Zero Waste
	C2.6.13	Target littering laws around the CBD, waterways and beaches with education and on the spot infringements including holding blitz.	Ongoing	Rangers	
Research and Development	C2.6.14	As part of review process, ensure international examples of best practice are considered	Ongoing	CEP	Towards Zero Waste
	C2.6.15	Facilitate Waste Management Committee to help develop new ideas and solutions	Ongoing	CEP	
Marketing	C2.6.16	Market the relevant sections of the strategy to staff, visitors, schools, businesses and residents	Short term	CEP	Towards Zero Waste
Advocacy	C2.6.17	Promote legislation for reduction of packaging at the source - Extended Producer Responsibility programs	Short term	Waste Committee	Towards Zero Waste
	C2.6.18	Lobby for container deposit legislation - encourage reuse of glass containers	Short term	Waste Committee	
	C2.6.19	Lobby government to provide funding for waste avoidance and recycling initiatives	Short term	Waste committee	
Evaluation	C2.6.20	Evaluate progress through the review of the Zero Waste Strategy	Yearly	WS	Towards Zero Waste

Your Personal Action

As described in the Community Report, the community can take local action for sustainability by reducing water and energy use and thinking 'avoid, reduce, reuse, recycle' when making a purchase.

C3. Promote sustainable production and consumption, through appropriate use of environmentally sound technologies and effective demand management.

Manly's Programs for Sustainability:

C3.1 Responsible Production and Purchasing Program

What is this theme about globally?

A range of approaches and tools can be used to promote sustainable practices. Demand management, which includes accurate valuations of natural resources and increasing public awareness, is a valuable strategy to support sustainable consumption. This approach can also provide significant savings in infrastructure investment.

Sustainable production can be supported by the adoption and use of environmentally sound technologies which can improve environmental performance significantly. These technologies protect the environment, are less polluting, use resources in a sustainable manner, recycle more of their wastes and products and handle all residual wastes in a more environmentally acceptable way than the technologies for which they are substitutes.

Environmentally sound technologies can also be used to drive reduced impacts and enhance value along a supply chain and support businesses embracing product stewardship.

In a local sense, this means...

In comparison to other regions in NSW, Manly has relatively little industry, with Manly's economy based primarily on service provision, including tourism. This therefore means that Council's and the community's opportunity to have an impact on the production of materials is limited to purchasing practices and advocacy.

While Council's is bound by the NSW Local Government Tendering Regulations, Council can have influence over producer responsibility through application of **Manly's Ethical Charter** to make considered procurement choices which support ethical purchasing. Council has also recently resolved to adopt a Purchasing and Procurement Survey potential suppliers of goods and services.

Council has long been an active advocate of **Extended Producer Responsibility**, which involves producers taking responsibility for managing the environmental impact of their products throughout their life, and **Container Deposit Legislation**, which prescribes legislation that establishes a deposit and refund system for used containers, placing a value on them to encourage their return, rather than their disposal.

Council has also committed to supporting the International **Fair Trade** program. Fair Trade is a trading partnership that seeks greater equity in international trade by offering better trading conditions to, and securing the rights of, marginalized producers and workers. Fair Trade organizations (backed by consumers) are engaged actively in supporting producers, awareness raising and in campaigning for changes in the rules and practice of conventional international trade.

In supporting these programs, Council and the Manly Community are demonstrating social and environmental responsibility, and are encouraging industry to meet their sustainability responsibilities.

Council and the community need to consider the following when making a decision or purchase:

- Does the purchase/decision promote sustainable consumption and zero waste?
- Have environmentally sound technologies been employed in the design and implementation?
- Does it consider production/consumption along the supply chain?
- Are there means to support other businesses engaging in sustainable production/consumption?

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- Manly's **Ethical Charter**
- The International **Fair Trade program** including purchase of products.
- Sustainable and **responsible purchasing**
- Maintaining the "**Sustainability Preferred**" 10% price increase allowance option for purchases which allows for consideration of an ethical purchase which may be more costly.
- Supporting **Extended Producer Responsibility**, Container Deposit Legislation, Life Cycle Assessment, cleaner production.

What we want to achieve (vision, goals):

- Ensure that all Council and community procurements encourage responsible and sustainable production.

How we will know that we are on track:

Indicator	Target	2050 Goals
Compliance with Council's Ethical Charter	Ongoing	100%
Regular application of Council's Purchasing Policy	Ongoing	100%

Strategies for a sustainable Future:

C3.1 Responsible Production and Purchasing Program

Ensure that all Council and community procurements encourage responsible and sustainable production

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	C3.1.1	Further develop a Green Purchasing supplement to support Council's Procurement Policy, including food/product miles considerations.	2007	CEP	Purchasing and tendering policy
Management	C3.1.2	Ensure purchases are consistent with the Ethical Charter	Ongoing	GMU	Ethical Charter

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	C3.1.3	Undertake education strategies which seek to raise awareness regarding ethical, sustainable purchasing and the Fair Trade program.	Short Term	CEP	Ethical Charter
	C3.1.4	Council work with industry to consider life cycle analysis, EPR, and ethical standards through the SEA Change Environmental Management Plan development process, using incentive based programs.	Short term	CEP	
	C3.1.5	Include a green purchasing component in the Earth Works Program.	Short term	CEP	
Partnerships	C3.1.6	Encourage SHOROC Councils to adopt an Ethical Charter and to operationalise its policy.	Medium Term	GMU	Ethical Charter
Advocacy	C3.1.7	Council continue advocating for Container Deposit Legislation and Extended Producer Responsibility.	Short Term	Waste Committee	Zero Waste Strategy

Your Personal Action:

As described in the Community Report, the community can take local action for sustainability by supporting Fair Trade products, supporting food cooperatives, and considering permaculture gardening.

D. A Living Manly

D1. Build on the characteristics of ecosystems in the development and nurturing of a healthy and sustainable Manly.

Manly's Programs for Sustainability:

- D1.1 Land Information Systems
- D1.2 Managing Urban and Regional Growth
- D1.3 Integrating Land Use and Balanced Transport
- D1.4 TravelSmart Program
- D1.5 Liveable Neighbourhoods Program

What is this theme about globally?

Cities can become more sustainable by modelling urban processes on ecological principles of form and function, through which natural ecosystems operate.

The characteristics of ecosystems include diversity, adaptiveness, interconnectedness, resilience, regenerative capacity and symbiosis. These characteristics can be incorporated into cities in the development of strategies to make them more productive and regenerative, resulting in ecological, social and economic benefits.

In a local sense, this means...

Manly's rich and diverse character of residential, business and small industrial land use has grown over the past 150 years. Thankfully for our community, the 'forefather' of Manly, Henry Gilbert Smith, had much foresight and used some then 'advanced' town planning considerations to ensure that open space, and a planned park system, were key attributes of Manly. Indeed, Manly's vast community waterfront reserves are attributed to his advanced thinking.

Planning in the 1900s unfortunately did not have the same considerations, with development particularly in the 1960s to 70s leaving legacies of high rise buildings that dominate Manly's skylines, and occupy significant ridgelines. While high rise development may be necessary to prevent urban sprawl, attention to scale, materials and design is critical.

While urban development in Manly commenced some 150 years ago, the majority of this occurred in the past 50 years with the development of the suburbs of Clontarf, Balgowlah Heights and Seaforth. There is now limited amounts of land available for development, with the surplus RTA land at Seaforth providing one of the last large land releases.

Since the 1980s Council has been very much aware of planning for social and environmental concerns, with ESD now been a guiding feature of Council's planning tools. Our growing knowledge and understanding of "Liveable Cities" processes, and integrating them into our planning tools, supported by the State Government Planning agency, will enable Manly, its community and environments to become a healthier and more sustainable place to live and work.

Car dependence has increased throughout the Sydney Region since the 1960s, and many suburbs are poorly planned, and are poorly serviced by public transport provision. Reducing car dependence to access schools, work, shopping centres and services can be achieved by building cities with integrated public transport, and encouraging walking and cycling which provides accessibility without the need for cars.

Overcoming car dependence is a key issue for sustainable cities and Manly Council. Environmentally, it results in reducing the land required for transport including roads and car parking, transport energy, water use and pollution, and greenhouse gases. In social terms, increased use of public transport can contribute to healthier people with walking and cycling, and an enhanced 'sense of place' and shared community. Financially, the savings to people can be significant, especially if they do not require a car. Council's community bus service seeks to assist to meet Manly's sustainability targets.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- **Active transport** – providing the free community Hop, Skip and Jump 'Freebie' bus, supporting TravelSmart, the National Cycling Strategy and pedestrianisation
- Advocating Council's **response to the Metropolitan Strategy** seeking commitment from the State Government in recognising Manly unique environment and limits to sustainable growth.
- **Sustainable Design and Liveable Cities**, reflected in our planning instruments
- **Maintaining open space** for the community and environment where possible.
- Advocating the **underground installation of overhead cables** by utilities

What we want to achieve (vision, goals):

- Sustainability is delivered with accurate, up-to-date and reliable land and geographic information which helps us to understand and form effective strategies to address critical sustainability issues such as infrastructure planning, biodiversity management and land use conflicts.
- Socially and environmentally responsible urban development.
- Transport and land use decisions are integrated so that a more balanced, less car dependent city emerges and improves urban sustainability.
- To facilitate the use of sustainable transport that minimises negative social and environmental effects, and improves access for all residents and visitors.
- Plan and provide suburbs that reduce the ecological footprint of the community and enhance quality of life at the same time.

How we will know that we are on track:

Indicator	Target	2050 Goals
Percent of residential, mixed-use projects that are within 300m of public transport.	Upward trend	To be set
Measure of "green" housing – housing having high sustainability considerations including retention of existing building fabric, new dwellings and retro-fitted existing dwellings. (ability to measure TBC)	Upward trend	All houses in Manly.

Indicator	Target	2050 Goals
Number of Land & Environment Court cases and legal costs.	Decrease	All disputes resolved at the local level to the benefit of the Manly community and environment.
Vehicle kilometres travelled per person per household per private car.	Decrease	To be set by the MSSMG.
Vehicle ownership – average number of vehicles per person of driving age in Manly.	10% reduction in the average number by 2010.	To be set by the MSSMG.
Length of bicycle paths in Manly	Upward trend.	The Manly Bicycle Plan is fully implemented.
Pedestrian and bicycle safety – number of collisions involving motor vehicles.	Downward trend.	Zero
Residential use of sustainable transportation options: Manly's community bus State Transit Bus State Ferries	Upward trend	Use of private vehicle in Manly is limited.
Car usage in the Manly CBD	Substantially reduced	Car Free CBD

Strategies for a sustainable Future:

D1.1 Land Information Systems

Sustainability is delivered with accurate, up-to-date and reliable land and geographic information systems (GIS) which help as to understand and form effective strategies to address critical sustainability issues such as infrastructure planning, biodiversity management and land use conflicts.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D1.1.1	Link disparate databases that incorporate environmental, social, economic, planning and infrastructure data via geographic location using GIS.	Short term	GIS	
	D1.1.2	Ensure that communities wishing to be involved in management, research, and monitoring of sustainability can view relevant information.	Short term	GIS	
Management	D1.1.3	Acquire and update relevant GIS information. Encourage the use of GIS in decision making processes.	Med - Ongoing	GIS	
Education for Sustainability	D1.1.4	Highlight the tools available through GIS for viewing and analysing information related to sustainability.	Short - Ongoing	GIS	
Partnerships	D1.1.5	Cooperate with SHOROC Councils on provision of GIS information and the use of GIS in the decision making process.	Ongoing	GIS	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	D1.1.6	Continue to investigate latest developments in GIS and examine their relevance to sustainability mapping and management.	Ongoing	GIS	
Marketing	D1.1.7	Promote GIS as a tool for analysing data and sustainability issues.	Short – Ongoing	GIS	
	D1.1.8	Continue to provide public access to Council's map information, including consideration of expanding access to planning control layers.	Short	GIS	
Evaluation	D1.1.9	Maintenance and update of relevant GIS information.	Ongoing	GIS	

D1.2 Managing Urban and Regional Growth

Socially and environmentally responsible urban development.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D1.2.1	Implement NSW Planning Reform in Manly context in consultation with SHOROC councils and the community	Short term	PS	LEP
	D1.2.2	Continue to enhance existing planning system to reflect social and ecological sustainability principles	Short term	PS	LEP
	D1.2.3	Develop a system of landuse planning structure through the NE Subregional planning process to recognise areas to be conserved and areas for future development.	Short term	PS	LEP
	D1.2.4	Promote the use of public transport through proper landuse planning mechanisms	Medium term	PS	LEP
Management	D1.2.5	Ensure development assessment system appropriately implements the planning policies and controls.	Ongoing	PS	LEP
Education for Sustainability	D1.2.6	Develop appropriate fact sheets or other information materials on planning controls	Short Term	PS	LEP, DCP
Partnerships	D1.2.7	Work with SHOROC councils and Department of Planning to develop the NE Subregional Plan and review of Manly LEP/DCP	Short term	PS	LEP, DCP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Advocacy	D1.2.8	Through SHOROC, advocate for a landuse planning framework that is more sensitive to the natural resource consumption and ecosystem values.	Short term	Env Committee	LEP
Evaluation	D1.2.9	Develop a system to evaluate the quantity and quality of developments as the basis for the continued review of Council's planning policies and plans.	Short Term	PS	LEP

D1.3 Integrating Land Use and Balanced Transport

Transport and land use decisions are integrated so that a more balanced, less car dependent city emerges and improves urban sustainability.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D1.3.1	Identify further bus priority measures that will reduce travel times of public transport users over private motor vehicles.	Short term	US	LAQGAP
Management	D1.3.2	Consider expansion of council bus service and improved integration of services in partnership with State Transit.	Short term	ES	LAQGAP
Education for Sustainability	D1.3.3	Promote awareness of existing Sydney Transit systems which provide trip planning assistance.	Short term	US	LAQGAP ; EfS
Partnerships	D1.3.4	With State Government and bus operators, identify key sites for park-and-ride and offer locations where bus priority measures will increase efficiency of bus services.	Short term	ES	LAQGAP
Marketing	D1.3.5	Educating local community of park-and-ride facilities and benefits of using such facilities.	Short Term	CEP	LAQGAP
Advocacy	D1.3.6	Lobby State Government - to ensure maintenance of more reliable and affordable Manly Ferry services for commuter use	Short Term	Env Committee	LAQGAP
	D1.3.7	- to enhance provision of bus express lanes on major commuter routes, both to the CBD and to other major employment centres			
Evaluation	D1.3.8	Continue the regular satisfaction surveying for Council's community bus.	Ongoing	ES	LAQGAP

D1.4 TravelSmart Program

To facilitate the use of sustainable transport that minimises negative social and environmental effects, and improves access for all residents and visitors.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D1.4.1	TravelSmart Schools Program – to help local school communities to reduce traffic congestion around their schools, e.g. the walking school bus.	Short term	RSO	LAQGAP
	D1.4.2	Review and update the Pedestrian Access and Mobility Plan (PAMP) for Manly Town Centre.	Short Term	CPS	LAQGAP
	D1.4.3	Include access and mobility principles in the design of private and public buildings and areas in Seaforth and Balgowlah.	Short term	CPS	
	D1.4.4	Complete Manly Access Map for use of people with disabilities or elderly with reduced mobility, wheelchair & motorised scooter users, and parents with prams to access the Town Centre. Provide map/brochure for distribution and online viewing with regular updates.	Short term	CPS	
	D1.4.5	Encourage a bike share and rental scheme for Manly.	Medium Term	US	Manly Bicycle Plan
Management	D1.4.6	Manage car parking to achieve the right balance between accessibility to services, road congestion and safety.	Ongoing	US	
	D1.4.7	Aim to make the CBD car-free.	Long Term	US	LAQGAP
Education for Sustainability	D1.4.8	Raise awareness regarding the TravelSmart program which provides information and motivation to residents to reduce car usage and choose existing alternatives. To reduce car use and increase walking, cycling and public transport patronage, thereby making better use of existing transport facilities and services.	Short term	CEP	LAQGAP
	D1.4.9	Promote healthy, environmentally friendly travel choices for staff through the TravelSmart Workplace Program.	Short term	GMU	LAQGAP
Partnerships	D1.4.10	Continue integrated transport planning across SHOROC through undertaking a SHOROC Transport Strategy. .	2006	US	LAQGAP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	D1.4.11	Undertake a survey of alternative transport. Use the community to assist to identify 'what works', working through the Precinct system.	Medium Term	US	LAQGAP
Marketing	D1.4.12	Develop innovative ways to change peoples' behaviour to reduce reliance on cars, especially for local trips.	Short term	RSO	LAQGAP
Evaluation	D1.4.13	Undertake surveys to determine the community's use of different transport modes. Use the 2001 survey for comparison.	Medium Term	US	LAQGAP

D1.5 Liveable Neighbourhoods Program

Plan and provide suburbs that reduce the ecological footprint and enhance quality of life at the same time.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D1.5.1	<ul style="list-style-type: none"> Revitalising declining centres and suburbs Sustainable Urban Design Building Sustainably 			
	D1.5.2	Ensure liveable neighbourhoods by encouraging sustainable urban design which creates community-oriented spaces and networks, economically facilitated mixes of housing types and business spaces, and ecologically sensitive design.	Short Term	PS	LEP/DCP
	D1.5.3	Promote Living Streets to improve neighbourhoods and safety of travel by less emphasis on cars in local areas and an improved network for pedestrians, cyclists and public transport, including car free considerations.	Short Term	RSO	LEP/DCP
	D1.5.4	Appropriate landuse pattern that allows community support services to be located in close proximity to residential uses.	Short Term	PS	LEP/DCP
	D1.5.5	Support expansion of NSW Government BASIX program to all development in NSW	Short Term	PS	LEP/DCP

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Management	D1.5.6	Regular review of LEP controls to reflect current best practice and State Government directions.	Ongoing	PS	LEP/DCP
	D1.5.7	Review Council's Street Tree Management Plan to seek an increase in appropriate street tree plantings to improve the liveability of neighbourhoods.	Short Term	US	Street Tree Management Plan
Education for Sustainability	D1.5.8	Provide regular sessions for staff to enable more ecological understanding to be integrated into planning and design knowledge and practices.	Short Term	CEP	EfS
	D1.5.9	Encourage the use of http://www.greenhouse.gov.au/yourhome/	Short Term	CEP	EfS
	D1.5.10	Provide information on Council's website and links to sources of information.	Short Term	CEP	DCP
Partnerships	D1.5.11	Develop partnerships with the Building industry to 'market' good design	Short term	PS	DCP
Marketing	D1.5.12	Promote good design outcomes through Council's urban planning policies and Civic Design Awards.	Short Term	PS	
Advocacy	D1.5.13	Council continues to support BASIX and advocates its expansion.	Short Term	Environment Committee	
Evaluation	D1.5.14	Develop an evaluation mechanism to determine Council's planning instruments and approvals process effectiveness towards sustainable development.	Short Term	PS	LEP/DCP

The main aims of Liveable Neighbourhoods are to:

- create walkable neighbourhoods that reduce automobile dependency;
- facilitate equitable access to goods, services, employment and educational opportunities;
- create a strong community identity;
- create SAFE (Safe, Attractive, Friendly, Efficient) street networks where buildings face the streets increasing activity and personal security;
- create neighbourhoods that are supportive of public transport systems;
- create diverse opportunities within local neighbourhoods by allowing mixed-use developments to occur in line with community expectations;
- provide a variety of housing types and densities to suit a diverse range of needs;
- build cultural and environmental awareness into the urban landscape while respecting culturally or environmentally sensitive sites;
- combine urban waste water management with the provision of public open space; and
- ensure the development is as cost-effective and resource efficient as possible to increase the availability of affordable housing

Such an environment demonstrates how integrating social, cultural, economic and environmental objectives can create alternative urban experiences that would not otherwise be achieved under current planning policies.

Source:

<http://www.sustainability.dpc.wa.gov.au/CaseStudies/LivableHoods/LiveableNeighbourhoods.htm>

D2. Recognise and build on the distinctive characteristics of Manly, including its human and cultural values, history and natural systems.

Manly's Programs for Sustainability:

D2.1 Conserving Cultural Heritage and Landscapes Program

D2.2 Indigenous Communities and Sustainability

D2.3 Sustainability through Culture and the Arts

What is this theme about globally?

Every city has a distinctive profile of human, cultural, historic and natural characteristics developed over a long time. This heritage profile provides insight into ways to achieve sustainability that are acceptable to a people and compatible with their values, traditions, institutions and ecological realities. Building on existing characteristics helps motivate and mobilise the human and physical resources of cities to achieve sustainable development and regeneration.

In a local sense, this means...

Manly's cultural heritage is an integral part of our living environment. It provides physical and emotional links to our past and is integral to our "sense of place", an element central to our identity, and is a source of spiritual well-being and community cohesion. Environmental heritage is an integral part of Manly today. The ocean, beaches, bushland and waterways and general ecosystem play an important role in defining Manly's cultural identity and illuminating past and present uses and cultural values.

An item of heritage significance can be recognised for its ability to demonstrate:

- social or cultural significance, current as well as historical
- aesthetic significance
- connection with an important historical time, person or use
- potential to yield new research or information
- significance as a representative example
- rarity.

Heritage is considered to be an important value in Manly and Council is committed to protecting it. Heritage items are protected through listing in Schedule 4 of the Manly Local Environment Plan 1988. Heritage in Manly is generally seen in three broad categories: cultural/social, the environment – built and natural environment, and Aboriginal heritage and Council takes measures to enhance and sustain heritage in each of these areas. Most heritage decisions are guided by the 1986 Heritage in Manly Study and NSW Heritage Office guidelines. A Comprehensive Heritage Review is underway.

Cultural/Social Heritage:

Our cultural and social heritage helps build strong communities by understanding and sustaining links with the past, between generations, among different cultures and thus fosters strong community cohesion and social networks. Major Council programs to protect social and cultural heritage include:

- commissioning a book on local history (*Seven Miles from Sydney: A History of Manly* by Pauline Curby, published 2002);
- support the Wellings Local Studies Library collection of local history and research resources, the Manly Environment Centre and the Manly Art Gallery & Museum. Use of these centres as tools for public education on heritage and environment;
- preparing a conservation plan with NSW Government assistance grant funding for the restoration of the Manly Cemetery;
- the development of the Manly Cultural Plan to identify important heritage and cultural values in Manly and to develop strategies and actions for their conservation.

Threats to the conservation of cultural heritage include: lack of public awareness resulting in vandalism or alterations to heritage items and destruction or alteration of heritage items resulting in the loss of a historic record or potential research value.

Built Environment Heritage:

Our built environment is an historical record of changing technology, community, tastes and economic and urban development. The environment we create ourselves is perhaps the most visible evidence of our changing values and communities. Manly Council's programs to protect the heritage of the built environment include:

- listing of important items of the built environmental heritage in Schedule 4 of the Manly LEP and protection through the Development Control Plans (DCPs);
- encouraging the retention of original fabric rather than demolition and redevelopment through the LEP and DCPs and the annual Local Heritage Grants;
- education and advice through the heritage advisory service, brochures on heritage building styles in Manly and the heritage information in Manly website;
- initiating a Comprehensive Heritage Review that will strengthen the protection of heritage items and may propose the listing of further important items;
- supporting the work of the community Heritage Committee.

Natural Environment Heritage:

Our natural environment sustains life and health and is highly valued in Manly for its beauty and recreational opportunities. Manly Council programs to protect the heritage values of the natural environment include:

- listing of important items of the natural heritage in Schedule 4 of the Manly LEP;
- commissioning a study of geoheritage in the LGA;
- the Comprehensive Heritage Review that will strengthen the protection of items of the environmental heritage and may propose the listing of further important items, such as views and vistas.
- working with committees such as the Heritage Committee
- The North Head Sanctuary and the work of the Manly Environment Centre plays a significant role in promoting community awareness and protecting the natural environment.

Threats to conservation of the built and natural environment include: unsympathetic development, including the redevelopment of heritage items or development near heritage items, loss of views or (conversely) loss of heritage trees to maintain views, lack of awareness of the heritage significance of an item or what constitutes appropriate and sympathetic alteration of a heritage item.

Aboriginal Heritage:

Manly has in the past been a significant place for Aboriginals and Aboriginal culture. Many artefacts and evidence of this history can be seen throughout the LGA on both public and private land. Our Aboriginal heritage reminds us of the long and multi-layered history of this country and is important on a very broad and even global scale as the evidence of past indigenous culture and livelihood with the potential to yield more information. Manly Council programs to protect Aboriginal heritage include:

- Working with the NSW National Parks and Wildlife Service, the authority responsible for the management of Aboriginal sites and relics in NSW;
- Contributing to the joint five-Council Aboriginal Heritage Unit and supporting its work to conserve Aboriginal heritage in Manly;
- Recognising Manly Aboriginal and Torres Strait Islanders issues and raise awareness of Aboriginal heritage,
- Hosting the Guringai Festival and the Aboriginal and Torres Straits Islander Week of celebrations.

Threats to Aboriginal heritage include: lack of understanding and awareness leading to vandalism or destruction of sites; erosion and natural processes; human activities and development; loss of traditions, language and culture.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- Continuing to advocate Council's commitment to a **North Head Sanctuary**
- **Sustainable Coastal Tourism**
- Seeking to ensure **community uses** occupy part of the former **School of Artillery site on North Head**
- Identifying, protecting and enhancing **Manly's cultural identity** and cultural heritage including beaches, bushland, waterways, rocky foreshores, geodiversity and headlands.
- Protecting and raising awareness of **Aboriginal Heritage**
- Raising awareness and appreciation of **cultural and Aboriginal heritage** in Manly.
- Supporting places of learning and inspiration, including the **Manly Art Gallery and Museum, Manly Library** and **Manly Environment Centre**.
- **Manly's Cultural Policy**
- **Public Sculpture Policy** (Policy Register P140)
- Developing a **Cultural Plan**
- The **Comprehensive Heritage Review**
- Undertaking a **myManly** program every four years.
- Developing a **Environmental History Museum**
- Developing and implementing the **Manly Ocean Beach and Harbour Foreshores Management Plans**

- Liaising with the **Heritage Office**, local heritage groups and Council's Heritage adviser.
- **Managing heritage conservation areas** through management plans, DCPs and LEPs.
- Working towards appropriate redevelopment of **The Corso** that integrates our cultural identity and heritage conservation.

What we want to achieve (vision, goals):

- To protect, preserve and raise awareness and appreciation of culturally significant sites within Manly
- To ensure Aboriginal sites and values are preserved and awareness of their importance is raised.
- Culture and the arts are essential to a rich and sustainable life for Manly residents. They are a source and a catalyst for developing the Manly community's sense of identity, place and vision for sustainable futures.

How we will know that we are on track:

Indicator	Target	2050 Goals
Participation in cultural events	Increase	To be set
Visitors to the Manly Art Gallery and Museum	Increase	To be set.
Active Manly Library users	Increase	To be set.
Aboriginal heritage awareness – survey results	Increase	100% understanding in the Manly community.
Grant funding for heritage matters	Increase	

Strategies for a sustainable Future:

D2.1 Conserving Cultural heritage and Landscapes

To protect, preserve and raise awareness and appreciation of culturally significant sites within Manly

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D2.1.1	Complete the Manly Cultural Plan.	Short Term	HSF	CLDP
	D2.1.2	Complete the Manly Comprehensive Heritage Review and update the 1986 Heritage in Manly study with a review and policy.	Short term	PS	Manly Heritage Review
Management	D2.1.3	Integrate heritage and landscape conservation strategies into the Manly Ocean Beach Management planning process.	2006	NR	CMP
	D2.1.4	Develop a heritage policy as part of the review.	Short term	PS	Manly Heritage Review

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	D2.1.5	Manly library and Manly Art Gallery and Museum will continue to build the existing Local Studies Collection and will preserve and promote its diverse resources which include historical photographs, monographs, newspapers, oral histories and ephemera .	Short term	Local Studies Librarian	Library Mgt Plan
Partnerships	D2.1.6	Involving the community in the identification of heritage places in Manly to be included in the listing. Update Manly LEP Heritage inventory where necessary.	Short term	PS	LEP
	D2.1.7	Encourage the retention of heritage fabric for sustainability	Short term	PS	LEP
	D2.1.8	Develop programs of knowledge sharing of community activities and ventures.	Medium term	MEC	
Research and Development	D2.1.9	Incorporate natural, cultural heritage including geodiversity as part of comprehensive Heritage Review.	Short term	PS	Manly Heritage Review
	D2.1.10	Undertake a review of heritage places in Manly and an evaluation of emerging themes and challenges in heritage	Short term	PS	Manly Heritage Review
Marketing	D2.1.11	Manly Library and Manly Art Gallery and Museum will continue to raise awareness and appreciation of Manly's rich cultural heritage through ongoing exhibitions, displays and publishing in print and electronic formats.	Short term	Library.	Library Mgt Plan
Advocacy	D2.1.12	Lobby for the holistic management of North Head to integrate all heritage issues including the Quarantine Station, Police College & School of Artillery sites.	Short term	MEC	Manly Heritage Review
	D2.1.13	Lobby for adequate funding to complete and implement the review of heritage in Manly.	Short term	Heritage Committee	
Evaluation	D2.1.14	Develop a 'report card' for heritage conservation in Manly LGA along with the National Trust.	Short term	PS	Manly Heritage Review

D2.2 Indigenous Communities and Sustainability

To ensure Aboriginal sites and values are preserved and awareness of their importance raised.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D2.2.1	Undertake an Aboriginal Heritage Program that addresses the following: <ul style="list-style-type: none"> Continues to identify Aboriginal sites within the Manly LGA (not for public display, to protect sensitive sites) in consultation with the local Aboriginal people. Protects sensitive sites and places from damage or modification with the assistance of DEC and the Heritage Council. Educate staff on the importance of Aboriginal heritage in relation to site protection. Continue the Schools Program. Attend community events to promote awareness and appreciation of Aboriginal heritage. 	Short Term	AHU	Aboriginal Sites Management Plan
	D2.2.2	Include an Aboriginal site check for Development Application form.	Short term	AHU	LEP/DCP
	D2.2.3	Undertake identification of areas likely to be of significance to Aboriginal communities by liaising with DEC and the Metropolitan Local Aboriginal Land Council. This ensures that planners can undertake consultation if a development application was proposed for such an area.	Short term	AHU	Aboriginal Sites Management Plan
Management	D2.2.4	Implement Council's policy of progressing dual naming of places of Aboriginal significance across the Manly LGA through liaison with the Geographical Names Board.	Short term	PS	Aboriginal Sites Management Plan
	D2.2.5	Implement the Management Plan for Aboriginal heritage	Short Term	PS	
	D2.2.6	Acknowledge and respect "country" at Council events and Committee meetings, including Community Committees.	Short term	CS	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	D2.2.7	Increase and promote community awareness of cultural and Aboriginal heritage by embarking upon an awareness and promotion campaign, including the use of appropriate Aboriginal elements in designing public places across the LGA	Short term	AHU	Aboriginal Sites Management Plan
	D2.2.8	Undertake a community survey to determine the level of awareness in the community in regard to Aboriginal and non-Aboriginal/cultural heritage. This will establish baseline data, and should be undertaken tri-annually thereafter. The first was completed in 2001.	Short term	MEC	
	D2.2.9	Increase awareness of Aboriginal cultural protocols around social interaction.	Short term	MEC	Aboriginal Sites Management Plan
	D2.2.10	Encourage Community to protect Aboriginal sites from graffiti, vandalism and litter and report incidents.	Ongoing	PS	
	D2.2.11	Further development and expansion of the indigenous collections at Manly Library.	Short term	LIB	
Partnerships	D2.2.12	With other Councils across Northern Sydney, and with Aboriginal Support Groups, continue to participate in the annual Guringai Festival.	Ongoing	MEC	
	D2.2.13	Formalise the partnership with the Local Metropolitan Aboriginal Lands Council.	PS	Mayor's Office	
Marketing	D2.2.14	Promote Indigenous collection materials at Manly library to the community.	Short term	LIB	
Evaluation	D2.2.15	Develop an evaluation program to determine the effectiveness of conservation and protection strategies.	Medium Term	PS	Aboriginal Sites Management Plan

D2.3 Sustainability through Culture and the Arts

Culture and the arts are essential to a rich and sustainable life for Manly residents. They are a source and a catalyst for developing the Manly community's sense of identity, place and vision for sustainable futures.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	D2.3.1	Facilitate Artist in Residence programs/ encourage planning for studios and local art spaces.	Short Term	MEC	
Management	D2.3.2	Continue to hold the myManly initiative every four years, including the introduction of a sculpture section. This initiative is to run concurrently with community consultation for the four year review of the MSS	2010	CEP	MSS
Education for Sustainability	D2.3.3	Implement the Environmental History Museum and Teaching Laboratory to enable the community and visitors to explore the past, understand the present and imagine the future of Manly's environs.	short term	CEP	EfS
Partnerships	D2.3.4	Encourage business development opportunities and schemes for local people such as business incubators and time limited rental of studios.	Medium Term	PS	Employment Strategy
	D2.3.5	Encourage development of artistic projects such as "Reverse Garbage" to generate links between schools, community groups, volunteer programs and business recycle schemes.	Medium Term	CEP	EfS
	D2.3.6	Liaise with North Head stakeholders re artist in residence program on Quarantine Station, former School of Artillery and National Park.	Short Term	PS	
	D2.3.7	Work with SHOROC Councils, Coastal Environment Centre, Long Reef Field Station, Universities and Museums to establish and maintain the Environmental History Museum, along with linking with field excursion initiatives.	Short term	CEP	EfS
Evaluation	D2.3.8	Develop a strategy to evaluate the success of the aforementioned program.	Long Term	CEP	

Your Personal Action

As described in the Community Report, the community can take local action for sustainability by supporting heritage initiatives including contributing to the Local Studies Collection and attending local artists exhibitions.

E. An Involved Manly

E1. Empower people and foster participation.

Manly's Programs for Sustainability:

- E1.1 Schools for Sustainability Program
- E1.2 Businesses for Sustainability
- E1.3 Volunteers program
- E1.4 Libraries Building Sustainable Communities
- E1.5 Manly Environment Centre

What is this theme about globally?

The journey towards sustainability requires broadly based support. Empowering people mobilises local knowledge and resources and enlists the support and active participation of all who need to be involved in all stages, from long-term planning to implementation of sustainable solutions. People have a right to be involved in the decisions that affect them. Attention needs to be given to empowering those whose voices are not always heard, such as the economically disadvantaged.

In a local sense, this means...

Manly prides itself on having a strong participative community base, particularly through volunteers who give their time for a multitude of community organisations including emergency services, social care services, sporting organisations, environmental services including bushcare, religious and educational associations which foster considerable participation. Manly's Precinct System also creates an opportunity for the community to become actively involved in Council decision making, and empowers people to be involved in decisions and to shape Manly's current state and futures.

To implement sustainable solutions in the community, empowerment and participation can be generated through education. Providing people with the knowledge and skills can foster sustainability action, and this is particularly evident in Council's Schools program.

Businesses have undergone major changes in recent times in response to challenges presented by the sustainability debate, particularly the ongoing challenges for environmental stewardship and social responsibility. Empowering businesses to integrate sustainability requires training and facilitation, which is a key focus of the Council's broader Sea Change programs, where Environmental Management Plan development and implementation is creating real outcomes.

The community will need to assist with implementation by sharing the responsibility for acting locally through protecting and managing the environment, assisting in the collection of data, introducing community based action programs, actively participating in locally based programs, supporting Council initiatives towards sustainability, and undertaking small changes in their daily activities.

SUSTAINABILITY THROUGH THE MARKET - SEVEN KEYS TO SUCCESS

Key 1 Innovate:

Establish a culture and capacity for technological and social innovation to generate sustainable solutions, products and services.

Key 2 Practise eco-efficiency:

The World Business Council on Sustainable Development defines eco-efficiency as being 'achieved by the delivery of competitively priced goods and services that satisfy human needs and bring quality of life, while progressively reducing ecological impacts and resource intensity throughout the life cycle, to a level at least in line with the Earth's estimated carrying capacity.' There are three areas that are critical to practising eco-efficiency:

- reducing resource use, impacts, and operational costs
- cooperation between companies to improve cost efficiencies while moving towards a zero waste target; and
- delivering better design and functions for lower impact in use and higher market share.

Key 3 Move from stakeholder dialogues to partnerships for progress:

Promote the establishment of partnerships for progress which are built on common goals, empathy, open feedback, flexibility, ability to compromise, and shared rewards. Such alliances can offer business, government, and civil society new solutions to common concerns facing us all.

Key 4 Provide and inform consumer choice:

Business, government and community organisations using the media, advertising and other forms of communication, combined with behavioural change programs to promote sustainability messages, fostering a consumer culture that helps people wield the power of demand in a thoughtful way.

Key 5 Improve market framework conditions:

Market aspects which hinder sustainability include monopolies, perverse subsidies, and prices which do not reflect real economic, social, and environmental costs. Legislation and regulations to address these market failures are required for business to help achieve sustainability.

Key 6 Establish the worth of Earth:

Create accurate and timely price signals so that resources are conserved and future opportunities are not squandered. Markets should reflect the true environmental and social costs of goods and services, requiring the removal of perverse subsidies. The use of economic instruments such as tradeable permits is recommended.

Key 7 Make the market work for everyone:

Ensure that new technologies and sustainable goods and services are affordable to all in society, and that they are transferred to developing regions of the world to alleviate poverty and increase intra-generational equity. To do this will require overcoming protectionism and spreading purchasing power to those who most need it. Partnerships with government and civil society can also make markets work better.

(Source: Government of Western Australia (2003) p 266)

Manly Library's role in building a sustainable Manly

Public Libraries are amongst the most popular cultural institutions in Australia. In today's online society they play an important role as change agents at the hub of communities; facilitating social connectivity by providing a civic place to socialise and universal access to the products of the human mind.

As a community committed to sustainable practices, Manly must have effective, efficient, reliable, economic and equitable access to information. Some people in Manly do not have adequate access to primary data and information resources, nor do they have the expertise to understand and use these primary resources effectively. Manly Library, and the library networks it is in partnership with, are stewards of information and providers of resources, services, and products to assist the community in the sharing and use of information. Libraries and library networks provide communities with sustainable information, communication and education. Manly Library is actively engaged in connecting people in Manly with information sources by providing information, literacy, networks, and knowledge.

Manly Library staff aim to foster learning and awareness. Library staff use, promote the use of and increase the awareness of data and information sources and resources for the community. They also use, promote the use of and increase the awareness of the community of the appropriate information and data technologies and tools. In this way the Library improves people's ability to evaluate, integrate, and synthesize in decision-making, across many disciplines and from many perspectives. Manly Library through its existing networking capabilities with Australian libraries and other organisations is a conduit for promoting understanding and implementation of sustainable programs.

Manly Library is a 'commons', or 'public university' created for the community. It facilitates community development and learning about environmental concerns. By improving the education of its community, the Library helps to define the common vision, and trains future leaders. It is the obvious interface between the community, and information, values and action.

Information in Manly Library must be accessible, user-friendly and available to all. Its provision of free or low-cost electronic resources and access to the Internet is essential to the community, and provides greatly-improved access to information, and so the tools for informed decision-making. Manly Library manages its resources and services on the most cost-effective and self-sustaining basis.

Manly Environment Centre

Since 1991 the Manly Environment Centre (MEC) has played a key role in protecting and advocating for the environment in the Manly area and beyond. Being positioned as an important interface between Council and the community, the MEC offers a resource, advocate and research centre including environmental education and encourages broad community involvement and goodwill in protecting the Manly environment.

Manly Environment Centre Mission:

'The quality of life on our planet in this century will be directly proportional to the understanding we have – or lack - of our relationship with the environment today. The MEC aims to disseminate environmental knowledge to all stratas of our society, contributing to making citizens and tourists more aware of their rights and duties towards the environment'.

Manly Environment Centre Vision:

To ensure the future health of residents by seeking to eliminate land, air, water, noise and visual pollution and by restoring and protecting the natural environment.

Manly Environment Centre Objectives:

In summary, the MEC objectives include to:

- Provide leadership and environmental expertise to all stakeholders;
- Maintain an environmental advocacy role
- Continue to collect, hold and maintain a diverse environmental library and knowledge base;
- Provide education, training and information for local government, non-government organizations and community members;
- Facilitate community consultation, including community networking, participation and action on environmental matters to facilitate long-term positive behavioural change;

A complete list of objectives is located in the Appendix.

Manly Art Gallery and Museum

The Manly Art Gallery & Museum opened in 1930 as the first metropolitan-based regional gallery in NSW and has become a popular destination for the community and thousands of visitors each year.

The Manly Art Gallery & Museum makes an important contribution in environmental education through their heritage displays and exhibitions that mirror where Manly has come from which is important in establishing directions for our futures.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- **Manly leading by example** and encouraging other community stakeholders to use sustainability principles to guide their decisions and actions.
- Promoting **life-long learning** opportunities.
- The Provision of **community access to information** and recreational/literary resources and the promotion of literacy and continued Adult Learning via the Manly Library Service.
- Developing collections of materials at **Manly Library** that are sustainable and cost-effective.
- The Meet Your Street and **Neighbourhood Renewal program**
- Encouraging community participation in sustainability matters through expanding and enhancing the **Manly Environment Centre**
- **Manly Youth Council**
- **Community Precinct Forums** and **Council Committees participation**
- Council's **Scientific Advisory Panel**
- Community **consultation and participation** – consulting in line with Council's Community Consultation Protocol (C13)
- Council's **Volunteer Manager** and programs
- An **Environmental History Museum and Teaching Laboratory** to outline Manly's considerable environmental history.
- Implementing Council's **Customer Services Charter**
- Maintaining the **Sustainability Youth Crew**
- Maintaining the annual **Sustainability Youth Forum** in cooperation with Warringah Council, with view to include Pittwater.

- The **World Youth Expo** with Warringah Council.
- Maintaining quality technology at Manly Library that will enable the Manly Community to access information
- Implementing the **Education for Sustainability Strategy**

What we want to achieve (vision, goals):

- Education becomes the means by which current and future generations are inspired to live more sustainably and to find innovative solutions for the future.
- Assist business to benefit from and contribute to sustainability.
- To build a resourceful community that draws on the diversity, skills and expertise of its residents.
- Manly Library and its Library staff aim to support communities to fully participate in achieving a sustainable future.
- The MEC aims to disseminate environmental knowledge to all stratas of our society, contributing to making citizens and tourists more aware of their rights and duties towards the environment

How we will know that we are on track:

Indicator	Target	2050 Goals
Percent of Manly residents who have attended a Council-sponsored meeting of any kind in the past year.	Upward trend	100%
Percent of Manly residents who feel that they have the opportunity to voice their concerns on major community decisions that may affect their lives	Upward trend	100%
Number of Businesses with formal Environmental Management Plans in place.	Upward trend	100%
Number of schools having a formal Environmental Management Plan in place.	Upward trend	100%
Number of school children involved in MSS programs	Upward trend	100%
Percent of Manly residents who attend community events.	Upward trend	100%
Percent of Manly residents volunteering and total hours volunteered	Upward trend	To be set
Percent of Manly residents that are active members in recognised neighbourhood organisations	Upward trend	100%
Percent of Manly community who are Manly Library users	Upward trend	To be set.
Participation in Council Committees as number of person hours per year.	Upward trend.	To be set
Number of yearly visitors to the Manly Environment Centre	Upward trend	All Manly community have visited or called the MEC

Strategies for a sustainable Future:

E1.1 Schools for Sustainability Program

Education becomes the means by which current and future generations are inspired to live more sustainably and to find innovative solutions for the future.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E1.1.1	Undertake the three year review of the EfS following adoption of this updated MSS. Integrate relevant EfS Strategies.	2007	CEP	EfS
Management	E1.1.2	Guide the Implementation of the Education for Sustainability Strategy.	Short term	CEP	EfS
Education for Sustainability	E1.1.3	Continue to develop the schools garden/nursery program, including development of a Strategic Plan that identifies future sites, school interest, council staff opportunities and links as well as funding sources.	Medium term	CEP	EfS
Partnerships	E1.1.4	Facilitation and development of the Sustainability Youth Crew to undertake active environmental roles in the community and report to committees.	Ongoing	CEP	EfS
	E1.1.5	Facilitate the engagement of parents in sustainability through P&Cs, school festivals etc.	2008	MEC	
Research and Development	E1.1.6	Host the "Environmental Science, Beyond the Text Book" after school lessons for interested students. Hold for a term and feature various lectures and fieldtrips on environmental matters.	2007	CEP	EfS
Marketing	E1.1.7	Establish an annual award to recognise significant achievement in sustainability in schools – either as a school and or individually.	2007	MEC	
Advocacy	E1.1.8	Linking closely with and supporting local schools in the Manly LGA.	2007	CEP	
Evaluation	E1.1.9	Who cares about the Manly environment survey undertaken and assessed against previous.	2007	CEP	EfS
	E1.1.10	Pre and post evaluation surveys undertaken of school to determine success of program.	Short term	CEP	

E1.2 Businesses for Sustainability

Assist business to benefit from and contribute to sustainability.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E1.2.1	Undertake Environmental Management Planning (EMP) processes with local businesses to enable the businesses to become more environmentally and socially responsible for positive behavioural change. This may involve award programs and initiatives via the annual Green Business Award program.	Short Term Annually	CEP	EfS
Management	E1.2.2	Continue to maintain efficient Trade Waste garbage and recycling service, to ensure that recycling services area available to Manly businesses.	Ongoing	WS	Zero Waste Strategy
Education for Sustainability	E1.2.3	Encourage awareness within industries and develop educational programs directed at all sectors of the community with regard to Protection Of the Environment Operations Act 1997 responsibilities. Facilitate the development of action plans for any problem areas.	Short term	CEP	EfS
	E1.2.4	Liaise with businesses to minimise their use of chemicals e.g. dry cleaners, carpet cleaners, hairdressers.	Short term	MEC	EfS
Partnerships	E1.2.5	Work with existing networks to forge strong partnerships with local business community & through chambers of commerce. Seek out new opportunities for partnership.	Ongoing	CEP	
Research and Development	E1.2.6	Continue to explore the feasibility of implementing a commercial food waste avoidance and composting program	Short term	WS	Zero Waste Strategy
Marketing	E1.2.7	Further develop EMP business tools on Council's web site.	Short Term	CEP	EfS
Advocacy	E1.2.8	Support local business through change process from beginning offering assistance through the transition and offer continuous support to allow ongoing improvement.	Ongoing	CEP	
Evaluation	E1.2.9	Pre and post evaluation surveys undertaken of businesses to determine success of program.	Ongoing	CEP	EfS

E1.3 Volunteers program

To build a resourceful community that draws on the diversity, skills and expertise of its residents.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E1.3.1	Develop a coordinated Volunteer Program, serviced by the Volunteer Coordinator.	Short Term	CEP	
Management	E1.3.2	Identify and promote pathways for skill development in voluntary community activities. Reward skill development and contribution.	Medium Term	CEP	
Education for Sustainability	E1.3.3	Engage volunteers in a holistic approach to volunteering with ongoing opportunities, support reflection and evaluation of programs.	Ongoing	CEP	
Marketing	E1.3.4	Through existing channels, new volunteer working party and extending opportunities to Friendship Cities.	Short term	CEP	
Partnerships	E1.3.5	Promote the benefits of involvement in community activities in partnership with community organisations.	Ongoing	CEP	
	E1.3.6	Support the Time Banks volunteering program	Short term	MEC	
Research and Development	E1.3.7	Research, identify and develop incentives to overcome key barriers to participation.	Short term	CEP	
Advocacy	E1.3.8	Lobby State Government for insurance protection of volunteers which includes consideration of protection that does not inhibit their ability to undertake their work.	Short term	Environment Committee	
Evaluation	E1.3.9	Assessed through surveys, reflection and anecdotal evidence.	Ongoing	CEP	

E1.4 Libraries Building Sustainable Communities

Manly Library and its Library staff aim to support communities to fully participate in achieving a sustainable future.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E1.4.1	Online Information Literacy programs to ensure community has equitable access to Information & Services	Short Term	Information services Librarian	Library Mgt Plan
	E1.4.2	The incorporation of sustainability themes into programmed activities for junior and youth library users.	Short term	Youth Services Librarian	
	E1.4.3	Instigate Sustainability Week program; presenter, displays etc	Short term	Marketing & promotions Librarian & Information services Librarian	
	E1.4.4	Continued development of collection to incorporate information on sustainable communities	Short term.	Library Management	
Education for Sustainability	E1.4.5	Host an ongoing environmental lecture series as part of the Libraries Sustainability week program. Provision of community access to related sustainability literature via the information service.	Short term	CEP	EfS
Partnerships	E1.4.6	Continuation of key partnerships with the State Library of New South Wales in the provision of the DI@YLL & LIAC services. Council's Natural Resources team, Shorelink Library network & Australian Library network.	Short term	Library	Library Mgt Plan
Research and Development	E1.4.7	Assist Council staff & community organisations in the development & provision of sustainable projects by providing access to sustainability related information.	Ongoing	Library	Library Mgt Plan
Marketing	E1.4.8	Promote collections, services and programs to the community including the MEC's.	Ongoing	Library	Library Mgt Plan
Evaluation	E1.4.9	Measurements of use of resources and programs as per State Library of NSW Annual Library Return. Surveys of use e.g. as per Public Libraries Evaluation Group, MPLA.	Short term	Library	Library Mgt Plan

E1.5 Manly Environment Centre

The MEC aims to disseminate environmental knowledge to all stratas of our society, contributing to making citizens and tourists more aware of their rights and duties towards the environment.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E1.5.1	Continue to work in partnership with Council staff to identify client needs regarding service provision of the MEC, including information gathering and requests, student research proposals, volunteer recruitment, events required and synergies with other programs. Prepare six months in advance.	Twice yearly	MEC/Community	CMPs, EfS, recovery plans, MSS, etc
Management	E1.5.2	Complete the cataloguing of the resource library to ensure that all resource materials can be easily located and identified, including access through the internet based Shorelink system.	2007	MEC	
	E1.5.3	Document oral histories of the environment to ensure significant knowledge is recorded for the future. Contingent upon grant funding like the Sharing Australia's Stories program.	2007	MEC	
Education for sustainability	E1.5.4	Continue to provide a forum for the free exchange of ideas and information, so that all stakeholders can receive the education needed to undertake informed discussion and action on an issue.	Ongoing	MEC	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	E1.5.5	Continue to provide internships and other opportunities for students, to research local issues and exchange information with appropriate teams within Council, so that MEC plans and actions reflect the Council's needs and the community's needs.	Ongoing	MEC	CMPs, EfS, recovery plans, MSS, etc
	E1.5.6	Allow students to advocate for research results to be adopted by Council.	2007	MEC	
	E1.5.7	Research issues, validate statements and provide reference sources on a variety of issues.	2007	MEC	
	E1.5.8	Provide a regular information dissemination service to assist Council's technical staff with their responsibilities. Consider developing a regular email service which lists important information and findings for appropriate Council staff. Ensure that all information is integrated through Council's State of Environment Reporting.	2007	MEC	
Marketing	E1.5.9	Promote the MEC through programmed activities and events such as Ocean Care Day.	Ongoing	MEC	
	E1.5.10	Develop a marketing and sponsorship strategy.	2007	MEC	
	E1.5.11	Promote the MEC to external organizations.	Ongoing	MEC	
Advocacy	E1.5.12	Continue to gather information and advocate for the environment through MEC activities, including major events and maintaining currency of resources.	Ongoing	MEC	
	E1.5.13	Provide information to enable the Manly Community Environment Committee to make recommendations for advocacy on issues of concern to Council.	Ongoing	MEC	
Evaluation	E1.5.14	Develop an Evaluation Strategy to review the MEC's programs, events and information dissemination success and identify possible improvements to operations.	2008	MEC	

Your Personal Action

As described in the Community Report, the community can take local action for sustainability by hosting a "Meet Your Street" event, becoming a Council volunteer or dropping into Council's Manly Environment Centre to learn more!

E2. Expand and enable cooperative networks to work towards a common, sustainable future.

Manly's Programs for Sustainability:

- E2.1 Partnerships for Action
- E2.2 Sustainability in the Region - SHOROC

What is this theme about globally?

Strengthening existing networks and establishing new cooperative networks within cities facilitates the transfer of knowledge and supports continual environmental and social improvement. The people of cities are the key drivers for transforming cities towards sustainability. This can be achieved effectively if the people living in cities are well informed, can easily access knowledge and share learning. Furthermore, the energy and talent of people can be enhanced by people working with one another through such networks.

There is also value in cities sharing their learning with other cities, pooling resources to develop sustainability tools, and supporting and mentoring one another through inter-city and regional networks. These networks can serve as vehicles for information exchange and encouraging collective effort.

In a local sense, this means...

The key to many of Manly's successes in sustainability initiatives is partnerships. Manly has been able to achieve many substantial outcomes across the triple bottom line of social, natural and economic environments. Partnerships include with the community, precincts, community groups and associations, state agencies, universities and academia, the commercial sector and inter-Council.

Over 25 years, Council's Sister Cities Committee has promoted Manly to the world, allowing an exchange of information to assist with our endeavours. Sister city relationships have also afforded Manly Council and ultimately the Manly community the chance to be exposed to diverse cultural, sporting, arts and music activities and student exchanges.

The youth of our local area has particularly benefited for the past 16 years from the annual reciprocal student exchange program we share with Odawara in Japan. There can be no worth put on the benefits afforded to young people when we expand their horizons to another culture, language and overseas travel. Social skills, self esteem, enhancement of language skills, potential of life long friendships, career opportunities, fostering understanding between different cultures – the list is endless and the worth immeasurable.

In 2005 Manly Council established a Friendship City Relationship with Gunnedah Shire Council. In this new relationship we hope to initiate pilot projects of exchange in the fields of music, sport, the arts, sharing of resources and possible staff exchange and assistance with environmental issues. We also hope to boost rural tourism opportunities by promoting it to some of our international groups.

Council has also hosted visits of numerous Council representatives internationally including China, Korea, New Zealand, as well as nationally, sharing and exchanging information on many Council issues.

Manly Council's current sister city arrangements are:

- Taito Ku – Sister City in Japan
- Odawara – Friendship City in Japan
- Jing'an – Sister City in China (Shanghai)
- Bath – United Kingdom (historical connection/'twinning city' relationship)
- Gunnedah – Friendship City in Australia (Nth West of Sydney, Upper Namoi Valley NSW)
- Haeundae Gu, Pusan – Sister City in Korea
- Selma – USA

Council will continue to...

Council, working with the community, commits to working in partnership with the following organisations and for the ongoing programs:

- Sydney Coastal Councils Group
- International Council for Local Environmental Initiatives (ICLEI)
- North Sydney Aboriginal Social Plan
- North Sydney Regional Planners
- Waste Educators Network
- Manly Community Centre
- Sister Cities
- Food Co-operative as a community organisation
- Sydney Water Partnership
- Manly Community Time Bank
- Town Centre Manager project with the Manly Chamber of Commerce

What we want to achieve (vision, goals):

- Enhanced cooperation between Manly Council, other sectors of the community and agencies and businesses extending beyond the Manly LGA
- SHOROC leads the sustainability initiative and provides an opportunity for the partner Councils to work together regionally to progress the sustainability goal.

How we will know that we are on track:

Indicator	Target	2050 Goals
Number of Council/business agreements and partnerships in place.	Upward trend	To be set.
SHOROC strategies being implemented focused towards sustainability.	To be set	To be set

Strategies for a sustainable Future:

E2.1 Partnerships for Action

Enhanced cooperation between Manly Council, other sectors of the community and agencies extending beyond the Manly LGA to progress sustainability in partnership.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E2.1.1	Develop a virtual precinct website to assist the time poor	Short Term	HSF	Community Consultation Strategy
Partnerships	E2.1.2	Review the Sydney Water and Manly Council Partnership with view to updating and strengthening the goals and objectives of the Memorandum of Understanding, and lifting the significance of other partners (currently secondary signatures).	2007	NR	ICMS
	E2.1.3	Continue the Sister Cities program, and hosting of Council tours for information exchange on various issues of sustainability.	Ongoing	GMU	
Marketing	E2.1.4	Council work in partnership with the Food Cooperative and Manly Time Bank to progress joint media campaigns where possible for sustainability initiatives, recognising Council's restrictions under the Local Government Tendering Regulations	Short Term	MEC	

E2.2 Sustainability in the Region - SHOROC

SHOROC leads the sustainability initiative and provides an opportunity for the partner Councils to work together regionally to progress the sustainability goal.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	E2.2.1	Advocate a Regional SHOROC Sustainability Strategy be prepared and adopted to have common goals for a sustainable future	Short term	NR	MSS
	E2.2.2	Continue integrated transport planning across SHOROC.	Short term	US	LAQGAP
Management	E2.2.3	Active regional planning for infrastructure across the SHOROC area.	Short term	US	

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Education for Sustainability	E2.2.4	Take a regional approach to education for sustainability initiatives through partnering with campaigns.	Short term	CEP	EfS
	E2.2.5	Expand the World Environment Day and Sustainability Youth Forum programs via partnerships between Northern Beaches Councils.	Short Term	CEP	EfS
Partnerships	E2.2.6	Seek to have a regional approach through SHOROC to the Local Employment Plan.	Short term	PS	
Research and Development	E2.2.7	Through SHOROC investigate the viability of a regional waste facility that recovers, repairs, resells resources, generates energy through previous tip materials and sustainably manages organic by-products, possibly supported by the State Government's Energy Savings Fund grant.	Short Term	WS	LAQGAP
Advocacy	E2.2.8	Lobby for a regional approach to combating air pollution through SHOROC including lobbying DEC for a mobile local air quality monitoring program to concentrate on appropriate areas.	Medium Term	MEC	LAQGAP
Evaluation	E2.2.9	<p>Work with SHOROC Councils to undertake a Regional Quality of Life report, similar to that of the eight largest New Zealand Council's report. The report will be applied as a tool to:</p> <ul style="list-style-type: none"> • Quantify and monitor changing social, economic and environmental conditions • Emphasise an outcomes-based approach • Develop holistic responses to emerging issues • Promote collaboration in monitoring and improving LGA outcomes. <p>This will lead towards the Regional SoE by providing consistent indicators.</p>	Short Term	NR	SoE

F. A Well Governed Manly

F1. Enable continual improvement, based on accountability, transparency and good governance.

Manly's Programs for Sustainability:

- F1.1 Embracing Sustainability in Government - Leading by Example
- F1.2 Research and Development for Sustainability Program
- F1.3 Assessing, Measuring and Reporting on Sustainability

What is this theme about globally?

Good urban governance requires robust processes directed towards achieving the transformation of cities to sustainability through continual improvement. While in some areas gains will be incremental, there are also opportunities to make substantial improvements through innovative strategies, programs and technologies.

To manage the continual improvement cycle, it is necessary to use relevant indicators, set targets based on benchmarks and monitor progress against milestones to achieving these targets.

This facilitates progress and accountability and ensures effective implementation. Transparency and openness to scrutiny are part of good governance.

In a local sense, this means...

Achieving sustainability is a long term agenda that requires rethinking the way we live, use resources, govern and undertake business. Clear leadership from local government is a key driver towards our long term goals, that takes account of transparency including making Council processes and performance open, accountable, transparent and available to the community, as well as ensuring continual improvement in our practices and operations.

To assess how we are progressing on the sustainability agenda, it is essential to have a framework in place that allows regular reporting on progress against key indicators, and the provision of data that is publicly available and easily accessible. Information is critical to sustainability but it must be integrated, transparent and accessible to the community.

The concept of sustainability facilitates innovation as it requires new synergies to be identified as well as 'systems thinking' to produce simultaneous outcomes for the economy, community and environment. Sustainability requires innovation. Leadership is required to ensure research and development assists the sustainability agenda.

Each Branch of Council has different responsibilities for implementing aspects of the triple bottom line of sustainability – environmental, social and economic. The challenge is to support the integrated thinking across Branches that sustainability demands. Branches need to work together to progress all three elements concurrently.

Council will continue to...

Council, working with the community, commits to the following policies and ongoing programs:

- The concept of **Sustainability**, which guides Council policy – Manly is committed to meeting its existing needs without compromising the ability of future generations to meet their own needs. The long term impacts of policy choices will be considered to ensure a sustainable legacy.
- Council's **Ethical Charter**– Manly is committed to decisions which minimise negative environmental and social impacts.
- Maintaining the “**Sustainability Preferred**” **10% price increase** allowance option for purchases which allows for consideration of an ethical purchase which may be more costly.
- **Sustainability Assessment** to improve decision-making for projects, plans, policies and programs against relevant sustainability principles and government and community goals.
- Maintaining a **Scientific Advisory Panel** of professionals in relevant fields to assist with the implementation of actions and to provide technical advice where necessary.
- Holding **Cram your Cranium** Council staff professional development sustainability seminar and workshop series.
- **Staff mentoring program** to provide staff with support and guidance.

What we want to achieve (vision, goals):

- Ensure that the way we govern is driving the transition to a sustainable future.
- To assess, measure and report on sustainability, which seeks to promote sustainability and assesses the contribution to sustainability of particular policies and developments.
- That Manly Council is seen as an innovative Council in its approaches to sustainability.

How we will know that we are on track:

Indicator	Target	2050 Goals
Sustainability Operational Review identifies an improvement in Council operations since 2001.	Improvement since 2001	100% sustainable operations
Sustainability Action Plans developed for all areas of Council	2010	All Plans implemented 100%
That Manly Council and community are recognised for their sustainability achievements by outside bodies.	Upward trend.	Manly Council and community are recognised as the leading sustainable community in Australia.

Strategies for a sustainable Future:

F1.1 Embracing Sustainability in Government - Leading by Example

Ensure that the way Council governs is driving the transition to a sustainable future.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	F1.1.1	Adopt the MSS as the umbrella strategy for all of Council's business.	Ongoing	PS	Mgt Plan
	F1.1.2	Develop Sustainability Codes of Practice and/or Sustainability Management/Action Plans for Council areas to ensure sustainability and behavioural change. <ul style="list-style-type: none"> Planning, reporting and decision making are conducted in accordance with sustainability principles – develop a set of performance standards and or operational solutions. Division and Branch operations support sustainability in all areas Employees are encouraged and empowered to support sustainability – training, awareness raising and continuous professional development in sustainability issues for all staff. 	Commence 2007	CEP	EfS
	F1.1.3	Investigate the opportunity to overhaul Council's Management Plan and budgets to clearly address a sustainability framework. <i>(see link with A1.2)</i>	2007	PS	Mgt Plan
Management	F1.1.4	Branches are required to develop a Sustainability Management/Action Plans to indicate how they will comply with Council's Manly Sustainability Strategy and Ethical Charter. Community and Environmental Partnerships Branch will assist the areas of Council to develop these to operations. Advising branches on how to operate sustainability in their own activities through the Sustainability Code of Practice.	Commence 2007	CEP	EfS
	F1.1.5	Through the above, develop waste avoidance schemes which will enable Council to effectively lead by example in the areas of office, facilities, functions and Council operations.	Short Term	CEP	Zero Waste Strategy

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
<i>Management Cont.</i>	F1.1.6	Council review its Policy Register to ensure that all policies support (and not contradict) principles of sustainability.	Short Term	NR	Mgt Plan
	F1.1.7	Child care IN Council.	Medium Term	HSF	Social Plan
	F1.1.8	Council consider providing a 'child friendly' office space so staff with sick children are able to attend work, rather than take carers leave if this assists and they can still be productive. Department of Victorian Communities has this arrangement.	Medium Term	HSF	
	F1.1.9	Further operationalise Council's Ethical Charter by integrating its provisions throughout the remaining Council policies and operating procedures.	Short Term	NR	Ethical Charter
Education for Sustainability	F1.1.10	With the Sustainability Code of Practice and/or Sustainability Management/Action Plans, support with education and training so that sustainability is embedded in Council staff culture and is core business.	Commence 2007	CEP	EfS
Research and Development	F1.1.11	Encourage staff to continually seek the latest best practice management techniques for adoption through the Sustainability Management/Action Plans.	Medium term	CEP	EfS
Evaluation	F1.1.12	Undertake a Council sustainability review internally every four years as a benchmark of sustainability progress, looking at staff practices, training, environmental audits, cross-sectoral integration which reviews and expands on the Sustainability Operational Review undertaken in 2002.	2008	CEP	SoE
	F1.1.13	Undertake an annual evaluation of Council areas and their Sustainability Action Plan - to assess how each area of Council is progressing with implementation	Following Action Plan development	CEP	SoE
	F1.1.14	Continue implementing triple bottom line reporting and assessing initiatives and review and improve. Monitoring the Global Reporting Initiative.	Short Term	NR	SoE

F1.2 Research and Development for Sustainability

That Manly Council is seen as an innovative Council in its approaches to sustainability.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	F1.2.1	Council staff seek out R&D projects for sustainability for trial application where feasible.	Ongoing	NR	
Education for Sustainability	F1.2.2	Continue the staff professional Development series "Cram Your Cranium" to include latest technologies, research etc.	Ongoing	PS	
Partnerships	F1.2.3	Continue to work with Universities to research various issues of concern regarding sustainability in the Manly LGA, including formal placements hosted by Council offered to doctorate, masters and honours students.	Ongoing	NR	
	F1.2.4	Use Student Studies and hold competitions for best practice action.	Medium Term	NR	
Research and Development	F1.2.5	Manly Environment Centre continue to support student research on various environmental topics, and that this research is integrated into Council's planning and operations.	Short Term	MEC	
	F1.2.6	Corporate Library will continue to support staff to provide innovative best practice services via the provision of a proactive information service and the continuing development of the Corporate Collection.	Ongoing	Corporate Librarian	
Advocacy	F1.2.7	Continue to support bids for Commonwealth funding for cooperative research centres and other research funding programs related to sustainability.	Ongoing	Council	
Evaluation	F1.2.8	Monitor and evaluate Council projects for effectiveness to ensure continuous improvement.	Ongoing	All	SoE

F1.3 Assessing, Measuring and Reporting on Sustainability

To assess, measure and report on sustainability, which seeks to promote sustainability and assesses the contribution to sustainability of particular policies and developments.

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Planning	F1.3.1	Modify for Manly the Melbourne Principles assessment checklist (Appendix One) with other key TBL assessment tools (including those already developed by Council) to determine each MSS's program's impact on sustainability. Introduce this into Council's planning and reporting systems so that sustainability assessment forms the basis of all significant decisions and is embedded into all levels of Council's activity.	Short term	NR	Ethical Charter
	F1.3.2	Refine and establish a more comprehensive Triple Bottom Line Assessing and Reporting tool, integrating this Strategy with Council's Management Plan and Annual Report/SoE.	Short Term	NR	SoE; Mgt Plan
	F1.3.3	Re-orientate State of Environment Reporting to State of Sustainability Reporting, whilst continuing to meet Dept of Local Government requirements.	Short term	NR	SoE
Management	F1.3.4	Monitor the development of the G3 Global Reporting Initiative and Sustainability Reporting Guidelines.	Short term	NR	SoE
	F1.3.5	Review the indicators used in this MSS, along with past State of Environment Reports and adopt the latest G3 recommendations where feasible, here and in Council's annual reporting.	Short term	NR	SoE
Education for Sustainability	F1.3.6	Undertake the "Who cares about Manly's Environment" Environmental Awareness Survey every four years following the review and adoption of the updated MSS.	Every 4 years commencing 2006.	CEP	EfS
	F1.3.7	Determine from survey results, the necessary review of the Education for Sustainability Strategy.	following	CEP	EfS
Partnerships	F1.3.8	SHOROC Councils Regional Quality of Life report and Regional SoE.	Late 2006	NR	SoE

Strategy Type	Action Number	Action	Time frame	Primary responsibility	Related Policy / Documentation
Research and Development	F1.3.9	Monitor the environmental accounting debate and assess feasibility with view of action; and the requirements of Dept. Local Government regarding Annual Reporting (eco-investment schedule and social account).	Medium Term	CS	Ethical Charter
Marketing	F1.3.10	Work with the Manly Daily to publish progress towards sustainability.	Medium Term	CEP	SoE
Advocacy	F1.3.11	Lobby the Dept of Local Government to re-orientate State of Environment Reporting to State of Sustainability Reporting.	Short Term	MSSMG	SoE
	F1.3.12	Lobby the Dept of Local Government to review the indicators for the Comparative Data for Local Governments to adopt a sustainability framework.	Short Term	MSSMG	SoE
Evaluation	F1.3.13	Scientific Advisory Panel holds an annual sustainability round table to review Council's overall performance.	yearly	NR	SoE

Appendices

Appendix One: United Nations Melbourne Principles Assessment Matrix

Note – to be revised for Manly. (Source: ICLEI, 2005)

	Yes	No	If no, why?	If yes, how is it further related to operation plans?
Principle 1: Provide a long-term vision for cities based on sustainability; intergenerational, social, economic and political equity; and their individuality.				
Does it have/align with a long-term vision?				
Does it define long term?				
Does It have a definition of sustainability?				
Are there means to review vision?				
Are there means to monitor how the plan progresses to the vision?				
Principle 2: Achieve long-term economic and social security.				
Does it consider social, economic and environmental impacts in a transparent way?				
Are the benefits of the plan share with the community in a just and equitable manner?				
Are the negative effects of the plan shared with the community shared in a just and equitable manner?				
Are the economic, social and environmental strategies consistent with your long-term vision?				
Principle 3: Recognise the intrinsic value of biodiversity and natural ecosystems, and protect and restore them.				
Does it protect the intrinsic value of ecosystems?				
Are there means to monitor/measure the effect of the plan on biodiversity?				
Principle 4: Enable communities to minimise their ecological footprint.				
Does this transparently account for your impacts outside your boundaries?				
Are there means to communicate the impact of your actions to the community?				
Are there means to monitor/measure (eg. with indicators) the impact of your actions with the community?				
Will the plan proceed in the absence of scientific evidence about the extent of your impacts?				

	Yes	No	If no, why?	If yes, how is it further related to operation plans?
Principle 5: Build on the characteristics of ecosystems in the development and nurturing of healthy and sustainable cities.				
Are there elements of the project that have been modelled on ecological principles?				
Will the benefits of building upon the characteristics of ecosystem be communicated to the community?				
Principle 6: Recognise and build on the distinctive characteristics of cities, including their human and cultural values, history and natural systems.				
Does the plan consider/build upon cultural values, history and natural systems?				
Is the cultural/historical profile of your community embodied in the plan?				
Is the plan compatible with the community's cultural/historical profile?				
Principle 7: Empower people and foster participation.				
Has the plan undergone community consultation?				
Has community engagement been broad, and included typically marginalised voices?				
Has the community's participation influenced the strategy?				
Are the means to continue community input throughout monitoring and evaluation of the plan?				
Principle 8: Expand and enable cooperative networks to work towards a common sustainable future.				
Have cooperative networks been established, facilitated, supported and/or consulted throughout the plan's development? Will these networks be consulted throughout the monitoring and evaluation?				
Are networks celebrated and publicised within and outside your boundaries?				
Have these networks enabled/facilitated collective action in the community?				
Is the knowledge/learning of the networks widely shared?				

	Yes	No	If no, why?	If yes, how is it further related to operation plans?
Principle 9: Promote sustainable production and consumption, through appropriate use of environmentally sound technologies and effective demand management.				
Does the plan/strategy promote sustainable consumption?				
Have environmentally sound technologies been employed in the design and implementation of the strategy/plan?				
Does it consider production/consumption costs along the supply chain?				
Are there means to support other business engaging in sustainable production/consumption?				
Principle 10: Enable continual improvement, based on accountability, transparency and good governance.				
Has decision making the plan/strategy been undertaken in a transparent way?				
Does the plan contain indicators and targets to monitor continuous improvement?				
Is good governance celebrated through the plan?				
Does the plan contain reporting mechanisms that are based on accountable information?				
Is continuous improvement evident by incremental change or innovative strategies, programs or technologies?				

Appendix Two: Acronyms used in this document

ABS	Australian Bureau of Statistics	ICLEI	International Council of Local Environmental Initiatives
CAMP	Companions Animals Management Plan	ICMS	Integrated Catchment Management Strategy
CDL	Container Deposit Legislation	LEP	Local Environment Plan
CLDP	Cultural and Linguistic Diversity Plan	LGA	Local Government Area
CMP	Coastline Management Plan	MEC	Manly Environment Plan
CRC	Cooperative Research Centre	MSS	Manly Sustainability Strategy
CTB	Cabbage Tree Bay	MSSMG	Manly Sustainability Strategy Management Group
DA	Development Application	POEO	Protection of the Environment Act Operations Act 1997
DCP	Development Control Plan	SAP	Scientific Advisory Panel
DNR	Department of Natural Resources	SHOROC	Regional Organisation of Councils Incorporating Manly, Mosman, Pittwater and Warringah
EfS	Education for Sustainability	SoE	State of Environment Report
EMP	Estuary Management Plan / Environmental Management Plan	STP	Sewerage Treatment Plant
EPR	Extended Producer Responsibility	TCM	Total Catchment Management
ESD	Ecologically Sustainable Development	UWS	University Western Sydney

Responsibilities:

AHU	Aboriginal Heritage Unit	HSF	Human Services and Facilities Division
CEP	Community and Environmental Partnerships Branch	LIB	Library
CivS	Civic Services Division	MEC	Manly Environment Centre
CS	Corporate Services Division	NR	Natural Resources Branch
CPS	Corporate Planning and Strategy Division	PS	Planning and Strategy Branch
DTG	Design and Technical Group	RS	Ranger Services
EHO	Environmental Health Officers	RSO	Road Safety Officer
GIS	GIS Team	US	Urban Services Branch
GMU	General Manager's Unit	WS	Waste Services

Appendix Three: MEC Statement of Intent

As adopted by Council October, 2005

This document was developed to provide a clear understanding of the role of the MEC and a consistent approach to its future management.

Since 1991 the Manly Environment Centre (MEC) has played a key role in protecting and advocating for the environment in the Manly area and beyond. Being positioned as an important interface between Council and the community, the MEC is a relatively unique venture. Through its work as a resource centre, an advocate and research centre, and an environmental educator, the MEC enables and encourages broad community involvement and goodwill in protecting the environment that makes Manly a special place for both residents and visitors.

Manly Environment Centre Mission:

The quality of life on our planet in this century will be directly proportional to the understanding we have – or lack - of our relationship with the environment today. The Manly Environment Centre aims to disseminate environmental knowledge to all stratas of our society, contributing to making citizens and tourists more aware of their rights and duties towards the environment.

Manly Environment Centre Vision:

To ensure the future health of residents by seeking to eliminate land, air, water, noise and visual pollution and by restoring and protecting the natural environment.

Manly Environment Centre Objectives:

- Recognise, appreciate and enhance the natural environment of Manly;
- Provide leadership and environmental expertise to all stakeholders;
- Continue to maintain and promote a visible and readily accessible environmental presence;
- Maintain environmental advocacy role even when this may vary from Council's position on certain issues;
- Provide factual and unbiased information to Councillors when required;
- To continue to collect, hold and maintain a diverse environmental library and knowledge base relevant to the Centre's Mission and Function;
- Maintain professional working relationships with Council, sponsors and colleagues in order to:
 - Ensure that Ecological Sustainability (ES) and Total Catchment Management (TCM) principles are recognised and valued in all areas under Council control;
 - Model best environmental practices, the principles of ES and TCM through the ongoing daily operations of the centre and Manly Council;
 - Via Staff and/or the Manly Community Environment Committee, assist and continue to create opportunities for Council to maximize the expertise and specialist services offered by the centre on a day to day basis;
 - Via Staff and/or the Manly Community Environment Committee, comment on significant development applications of environmental significance;
 - Via Staff and/or the Manly Community Environment Committee, comment on Council business management plans, etc;

- Research issues, validate statements and provide reference sources on a variety of issues;
- Provide education, training and information for local government, non-government organizations and community members;
- Increase community awareness of relevant issues;
- Facilitate community consultation, including community networking, participation and action on environmental matters;
- Organise and implement local environmental events; design innovative programs, projects and events to facilitate long-term positive behavioural change;
- Seek and secure funding for identified operational costs and projects through appropriate submissions;
- Seek sponsorship consistent with Council's Ethical Policy;
- Harness human resources and goodwill to implement special projects;
- Encourage volunteer involvement in conservation works;
- Maintain a position as a centre of excellence promoting educational facilities on environmental issues, for the benefit of future generations;
- Forge and strengthen links between local, national and global organisations;
- Promote the concept of the Centre and its projects to outside organisations;
- Via Staff and/or the Manly Community Environment Committee, comment on significant environmental matters.
- Maintain Council and Community awareness of environmental issues in Manly through close working relations with the Manly Community Environment Committee, which will continue to liaise with and provide ongoing support for the MEC.

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