

**4 August 2011  
Sustainability Forum, Nelson City Council Chamber Rooms  
Framing Our Future Community Workshop (10.15am – 11.30am)**

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In our future we will see:

- 1. Social – Community:** Housing/ Culture/ Urban design/ Population / Recreation
- **People will choose to live in a multi-generational community hub where facilities, living spaces, food and transport are shared and environmentally sensitive**
  - **Integrated communities, based on equitable values (not greed and entitlement)**
  - **All planning will take into account all other input plans e.g. transport, energy availability**
  - **Nelson Tasman is a model of collaborative inclusive leadership, reflecting and fostering a vibrant resilient, sustainable, inspiring community**
  - **Urban design based on environment (including air), allowing people to make sustainable choices and be happy, safe and connected**
    - The gap between the most wealthy and the least is significantly less than in 2011
    - People talk to each other on the street i.e. strong social capital – a tolerant society
    - Citizen engagement with inclusiveness
    - Forums will be established such that user groups are working together to reconcile conflicting uses
    - Sustainability hub – leadership for sustainable collaborative leadership
    - An inspiration to other areas
    - Shift focus onto another demographic i.e. part-time work, aged and solo parents
    - Climate refugees are the main population risk/ threat to our lifestyle
    - Accept that there are population limitations – skilled vibrant community
    - The fifth '10-year Housing Plan' has been successfully completed
    - Positive living options (e.g. housing for the elderly)
    - People will expect all buildings to be safe and warm, not just the new ones
    - Housing – live near where you work – stop subdividing good arable land
    - Sustainable eco-friendly house design
    - Living in the trees – we will have super insulated, small eco-houses
    - Communities will have their own gardens and animals/ comprehensive house 'suburbs' with all facilities local
    - Houses are energy efficient and affordable
    - We have a high quality, accessible and affordable health care system
    - Safe environment for kids to bike to schools – environment people-friendly, not just for vehicles
    - Urban/ rural design – design spaces for people, not cars

*Key: Format of notes indicates*

**1. Broad theme, listed in order of greatest number of same-workgroup- themes and assigned priorities and individual contributions**

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- Nelson's potential developed for recreation and sustainability e.g. mountain biking environmentally
  - There are lots of things to do, especially for young people
  - Active community – accessible recreations that are affordable
  - All sports fields put into local food production
  - Nelson will retain agricultural / pastoral prime land
  - We have maintained our rural landscape and production in Nelson-Tasman, restricting urban expansion (developing more intensive, mixed-use communities)
  - Joined up Nelson – Tasman
  - Art centre of New Zealand
  - Maori archaeology - equity of citizenship – one New Zealand
  - Culture (Maori and Pakeha) key part of community – we value who we are
  - Authentic visitor experience
  - Nelson's future is fun/colourful/artistic. Arts can present sustainability in an interesting and fun light. *I was looking at local funding for plays 3-days ago and there was no funding for sustainability productions that present important issues in a fun way.*
  - 'Sustainability is a boring chore, often perceived as making sacrifices to become sustainable'. This needs to change. We need to get 'cool' people on board to champion the cause e.g. local bands, sports teams, parties, festivals and Mardi Gras
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## 2. Energy – Power:

- **Reduced independence on fossil fuels**
  - **Nelson region independent of fossil fuels and is a net exporter of energy**
  - **A community which utilises local low-carbon energy and values and protects its natural areas and species**
    - Renewable energy for heating
    - Less but more expensive – renewable, solar
    - Local manufacture of fuel – solar, biomass – expect true energy cost
    - Produce our own energy and be confident in our resilience
    - What creates energy?
    - Coal is not used as an energy source anywhere
    - Renewable energy only – solar, hydro, tidal, wind, others yet undiscovered
    - The Nelson region is fully energy-independent, and bans all fossil fuel derivatives
    - Our liquid fuel needs will be supplied from our region
    - Nelson will have extensively developed its renewable energy provision – tidal/ solar/ bio fuels
    - Atmospheric CO<sub>2</sub> is less than 350 parts per million
    - The region is self-sufficient in energies
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### 3. Economy – Education:

- **New economic model locally focused, embracing profit sharing partnerships, contributing to both the wider community, and the natural environment**
- **Nelson is a model of localised steady-state economy, known for its leadership in developing sustainable solutions**
- **Governance**
  - People will expect to have a say about what happens in their area, using technology
  - Public virtual meeting facilities
  - Acting collectively to solve issues e.g. oil and electricity prices
  - People will expect factors other than dollars to be considered when making decisions
  - Social enterprises/ profit sharing partnerships/ produce facilities and services/ new economic model realised
  - We have a steady state economy
  - GDP has been replaced by a better measure reflecting growth and well being
  - Full employment but not necessarily a traditional 40hr+ week, i.e. has much as people want
  - Environmentally aware business re commercial pollution
  - Organisation priorities on water, employment, waste disposal
  - Workplace accepted as part of our lives
  - Economy leverages strengths – local production, aquaculture, forestry, tourism
  - We will lead in sustainable business practice
  - Clear felling forestry will not exist
  - We will lead in sustainable adventure tourism
  - Nelson reaches a decision on performing arts centre
  - Education based on local economy strengths e.g. servicing older population
  - Nelson celebrates the silver jubilee of its “University of the Modern Age”
  - Hubs of excellence will be developed which attract young people. NMIT and University of Canterbury will have nationally recognised specialist courses aligned with sustainability
  - We will lead in ‘cleantech’ innovation as a result of solving our problems
  - We are strongly focused on reuse, recycling and using less stuff

### 4. Transport:

- **Super public transport - cycle and pedestrian transport system**
- **Region enables framework to create access to affordable and available transport solutions**
- **Transport works appropriately for a future characterised by more expensive fossil fuels**

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- Reduced transport needs through urban design and local production
- An effective public transport system will allow all demographics to move throughout the region
- Nelson City Council introduces its “Transport for Social Inclusion” policy - a basic service function of council
- Transport is THE ISSUE
- We will have lower carbon transport than other parts of NZ (our very high current level of air travel – one of the busiest airports in the country, is unsustainable) – use video conferences
- There is an extensive public transport system
- Super electric public transport system/ many products will be made locally – will last a lifetime
- Pedestrian/ cycling a much bigger part of roads
- Bike industry tailored for older people
- Public transport, biking/ walking are the norm
- Good public transport system and more active transport – intensification to make public transport viable
- Electric vehicles will be extensively present and user-friendly – battery-swap facilities – loan bikes and carts available
- The urban environment has plenty of green space connected by a network of walkways and cycle ways

## 5. Natural Environment – Water – Air – Biodiversity

- **More vegetation, better integration of natural systems with human environments**
- **Air Quality**
  - Biodiversity matters – respect for all species and understand interdependence of all
  - Integrate the environment in everyone’s daily lives
  - We see biodiversity as an opportunity and embrace all species holistically, not seen as alien
  - Nelson will have strong legislation protecting its biodiversity – Maori values, especially kaitiakitanga will be imbedded in legislation and practice
  - Protect our outdoor environment for the future for its own sake
  - Natural habitat protects and nurtures species, flora (e.g. bees)
  - Air quality = wellness focus for individuals
  - Clean air
  - We will have non-carbon emitting fires in our houses
  - Nelson has clean air in winter
  - Unpolluted air with no health risks
  - I have seen a significant reduction in childhood asthma
  - Nelson will be an advocate and educator for other areas in NZ due to its success in lowering its number of days exceeding air quality standards
  - Trees for emissions and shade

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- Plentiful native / exotic planted species
- We will place huge on natural areas – forests, coastline, waterways and open space, which have been permanently protected
- Vegetated urban and rural streams – wide riparian margins as flood protection
- Sea levels – the city is protected from spring tides
- Can bathe/ swim in any water safely
- Clean water opportunities (LanzaTech\*)
- Clean water and fresh water have a value – no abuse of ‘ownership’ of this resource
- Clean water = healthy community
- Localisation of fresh water supply – decentralisation of resource supply – balance of resource use with supply
- Availability of fresh water in a warmer climate is an election issue
- Every house will have a rainwater tank
- Our marine and freshwater is very high quality

*\*LanzaTech, a company that was founded in 2005, works on meeting the increasing global demand for affordable, low carbon transport fuels and sustainably produced chemical intermediates through a rapid commercialization plan for technology evolution from gas-to-ethanol technology to a fully sustainable integrative gas to fuels and chemicals platform.*

## 6. Waste - Reuse:

- **Cyclical use of resources – eliminate waste**
  - Locally made products, last a lifetime
  - Sophisticated reuse processes are mainstream
  - Producers take ownership of packaging and disposal of items at end of life
  - Technology and waste disposal and energy usage
  - Natural and waste as energy usage
  - Localisation of supply – reinvent ‘reuse’, not recycle
  - Move away from linear processing – close the resource cycle
  - This city will only accept organic waste for community processing
  - Cradle to cradle technology – turns waste into resource
  - Reuse everything – “consumerism” is seen as a false god
  - Zero waste to landfill
  - The ‘true’ cost of waste and waste disposed will be built in to products. A levy on all goods made/ sold here perhaps?
  - The price of carbon now includes all resources, including the waste surcharge penalty

## 7. Food

- **Food Security**
  - Only consume food produced in New Zealand, and in season
  - Local fuel manufacture/ decentralised food production

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