

SUSTAINABILITY

1.10pm

An Asset Management Activity Plan Sustainability Assessment, Waitakere City Council – David Kettle

Abstract

Given the multi-faceted nature of sustainability, is it practical to carry out a sustainability assessment of an asset management activity plan and present the results in a clear and concise way? One option being trialed at Waitakere City Council on their water and transport services activity plans uses a row-column sustainability framework.

The four columns of the sustainability framework represent the Local Government four well-beings of cultural, social, economic and environmental. The four rows represent different layers of sustainability principles and indicators. The indicators combine existing 'Levels of Service' measures and other indicators that council is already measuring or are recommended to measure into the future.

The sustainability assessment then scores the information (poor, moderate or good) in the activity plan against the agreed indicators in three areas (historical trend, current status and activity plan actions) and presents the results in a simple clear one-page summary format (see example on following page).

Score/Description

Poor (X) Moderate (-) Good ()

Historical Trend Getting worse Staying constant Getting better

Current Status Lower than target and/or Level of Service At target and/or Level of Service Better than target and/or Level of Service Activity Plan Actions No words/actions that address this indicator. Is neutral about indicator (e.g. general words but no specific actions) Has specific actions to make indicator value better and/or hold existing 'good' indicator trend/status.

David Kettle

David Kettle, PhD, MIPENZ, CPEng, Director, D&B Kettle Consulting Ltd. David has 25 years of professional engineering experience in New Zealand, Canada and USA, consults on infrastructure issues and has been involved with two Ingenium New Zealand National Asset Management Steering(NAMS) Group Manuals on agreeing service levels and optimised decision making.

1.50pm

Determining the Transport Effects of alternative Land Uses – Laura Skilton

Abstract

Transportation models are often used to assess alternative roading projects, but they can also be used to assess transport patterns and requirements of alternative landuse scenarios.

This presentation is based on some actual projects using alternative future landuse forecasts and providing direction to planners for the most efficient transportation needs based on alternative growth forecasts, and to be able to quantify mitigation measures for alternative growth areas. The overall cost to the community, in terms of transport, can be determined and enable planners to make better informed decisions when determining Council growth strategies.

Laura Skilton

Laura is specialist traffic and transportation engineer with over 17 years experience covering transportation studies, intersection and network analysis, traffic impact assessments for a wide range of developments, town centre designs and parking schemes.

2.30pm

Sustainability: Ensuring Our Future – Gordon Reynolds**Abstract****Sustainability: Ensuring Our Future**

Sustainability: A History of Failure

This heading deals with the failures of a number of civilizations and their inability to live sustainably and consequently their eventual decline. Including the Sumerian, Egyptian, Greek and Roman civilisations, their rise and fall.

Sustainable Development: An Oxymoron

This heading deals with the incompatibility of the term sustainability and the general understanding and interpretation of the term development. Comments on the proposal that development with respect to sustainability can only be interpreted as evolution.

Sustainability: Humanity's Integration With the Planet.

This heading deals with the relationship of humanity with the planet and its ecosystem; It compares man's activities with those of other species.

It also deals with the activities man in recent history and the escalation of ecosystem destruction, in particular the industrial revolution.

Sustainability: A Question of Values – The Way Forward

This chapter discusses the changes in behavior and values that need to be made to implement sustainable practices to ensure the survival of humanity.

It describes the impact of human activity of the planet in recent history and the expectation for the planet to recover. There is a discussion of the role of government and private enterprise and the impact of current economic practice on sustainable practices.

Gordon Reynolds

Recent Career Roles:

Project Engineer for Thames-Coromandel District Council since 2003.

Technical Manger Shell Bangladesh Exploration and Development (1999 – 2003)

Also responsible for corporate Risk Management including Sustainable Development and Environmental Management.

Corporate Risk Manager Shell Gabon (1996 – 1999)

Responsible for Business Process Audit, Sustainable Development, Environmental

Management Risk Manger Shell Petroleum Development Nigeria – Eastern Division (1992 – 1996) Responsible for Business Risk Analysis and Environmental Management.