

Toyota Australia and the EEO program

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Toyota's Mission

” In order to realize sustainable Mobility in the 21st century, I believe that actions to address environmental issues is crucial for us as an automaker, and that such efforts will contribute to sustainable development in society “

-Katsuaki Watanabe

-President of TMC and Chairman of Toyota's Environmental Committee



The Carbon Constrained Economy

Toyota Australia faces significant challenges in the Carbon Constrained economy focusing on:

Product

- Hybrids, Plug-ins, EV's
- Alternative Fuels

Supply Chain risk

- Steel and Metal supply
- Logistics
- Supplier viability

Business Risk

- Direct emissions
- Trading Strategies
- Financial impacts



EEO as part of the response

The EEO is a part of Toyota Australia's response strategy to the risks of the Carbon constrained economy.

The EEO is used as a management tool in the overall response which includes:

- Toyota's Guiding Principles
- The Toyota Earth Charter
- The TMAP Regional Action Plan
- Toyota Australia's 5 Year Action Plan
- Annual Environmental KPI's
- Toyota's EMS

CHALLENGE, CHANGE, CREATE!

TMCA ENVIRONMENT PLAN TO YEAR 2010/11

ENDORSED BY: *[Signatures]* Environment Officer: Mike Kervin, Director, Manufacturing; Environment Officer: Dave Babbin, Director, Sales and Marketing; Environment Officer: Alan Wedderburn, Director, Corporate Services

POLICY	TMCA ACTION ITEM	TMCA TARGETS		
		PRODUCTION	NON-PRODUCTION	
<p>Our Environmental Objectives</p> <p>Reduce greenhouse gas emissions, improve energy efficiency, reduce water consumption, reduce waste, and improve air quality.</p> <p>TMCA Environmental Program Objectives</p> <p>Reduce greenhouse gas emissions, improve energy efficiency, reduce water consumption, reduce waste, and improve air quality.</p> <p>TMCA Environmental KPI's</p> <p>Reduce greenhouse gas emissions, improve energy efficiency, reduce water consumption, reduce waste, and improve air quality.</p>	<p>Reduce CO2 emissions</p> <p>Reduce the development of technologies to reduce fuel and energy consumption</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p>	<p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p>	<p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p> <p>Reduce CO2 emissions by 10% per annum (2007/08 to 2010/11)</p>	
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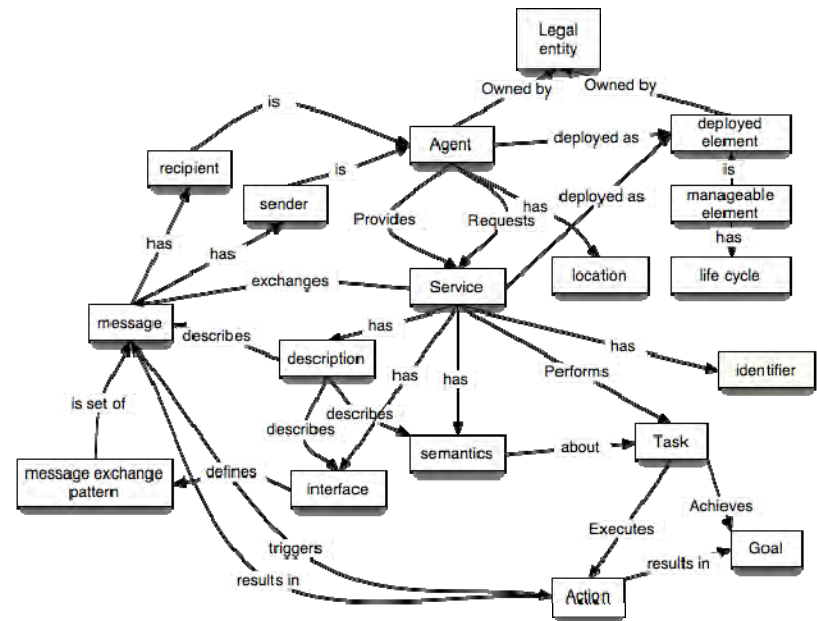
OUR CHALLENGE: Everyone of us can achieve the dream of a 100% electric car with a 100% green footprint.

Challenges

The key challenge with EEO for Toyota Australia is turning a legislative requirement into a useful business tool suitable to our industry.

How to reconcile:

- Data vs Information
- Legislative vs Company requirements (i.e Payback criteria)
- Energy vs Carbon
- Toyota systems vs Government systems



Benefits

One of the key benefits of the EEO for Toyota Australia has been the emphasis on accurate measuring, monitoring and control equipment.

Through improvements in measuring and monitoring we have been able to improve process control.

Case Study:

Shutdown Energy monitoring

-2007/08 – 2642 MWh

-2008/09 – 2072 MWh



Public Reporting

TMCA has a long history of public reporting of its Environmental Performance through Environment and (now) Sustainability Reports, however it is challenging to meet all the different timeframes and formats now requested by government such as:

- NPI
- EEO
- NGERS
- AGC+

A single integrated format of reporting would be a beneficial improvement for these programs



Lessons and suggestions

In responding to the challenge of climate change, Toyota Australia would encourage companies to look at:

Kaizen – *Continuous Improvement*

- Improved Daily management of activities
- Enabling the workforce and capturing their ideas

Yokoten – *Sharing Information*

- What have affiliates done
- Knowledge in your supply chain

Hoshin – *Breakthrough Thinking*

- What's leading technology
- Thinking outside the box
- Today and tomorrow

