Contents

• Context & timeline
• Procurement Approach
• Learnings
• Progress
Rail projects timeline
2004 - 2008
Hyundai-Rotem / Mitsui EMUs + rail upgrade

Consists of two major components:

- EMU Supply $236m
  (GWRL – Hyundai-Rotem/Mitsui)

- EMU Enabling Works + other $276
  (GWRL – ONTRACK)
### Wellington Rail Projects

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Wellington Rail Projects

**NEW EMU PROJECTS**
- GW / Land Transport NZ funded
  - NWRL managed

**WESTERN CORRIDOR PROJECTS**
- GW / Land Transport NZ funded
  - OUTPUT FUNDING AGREEMENT
  - ONTRACK managed
  - Johnsonville Line Tunnels
  - Station Upgrades
  - EMU ENABLING WORKS

**OTHER RAIL CORRIDOR PROJECTS**
- SW Wairarapa cars COMPLETE
- SE Train w/ EO Locos
- DM216 English Electric
- Ferrymead English Electric
- Catch-up Renewals
- Kaiwharawhara Throat

**GW / Land Transport NZ funded**
- NEW EMU PROJECTS
  - Supply 2010
  - Depot

- WESTERN CORRIDOR PROJECTS
  - Alignment improvements between North and South Junction
  - Double tracking and electrification Waikanae

- OTHER RAIL CORRIDOR PROJECTS
  - 100% Crown funded
  - GW managed
  - Toll supply

- GW / Land Transport NZ funded
  - KCDC Western Link Rd
  - Transit NZ Kapiti State Highway Strategy
  - Renewals

- Regional Rail Plan

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GW / Land Transport NZ funded
- Output Funding Agreement

ONTRACK managed

100% Crown funded
GW managed
Toll supply

Crown funded
ONTRACK managed

Regional Rail Plan

GW / Land Transport NZ funded
- Supply 2010
- Depot

ONTRACK managed

New and upgraded Kapiti Railway Stations

Renewals

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Greater Wellington's public transport network.

Greater Wellington Regional Council

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EMU Project Contract Framework

EMU Project

EMU Purchase

EMU Supply

Supply Agreement Parties: GWRL/ Rotem-Mitsui


Commissioning Agreement (CSA) Parties: GWRL/ Rotem-Mitsui/Toll

ESCROW Agreement Parties: Escrow Agent Rotem-Mitsui/GWRL

EMU Project Admin/Project Management

Consultancy Agreement Parties: GWRL Halcrow

Consultancy Agreement Parties: GWRL Toll

Enabling Works

Output Agreement (Infrastructure Upgrades) Parties: GWRC/ONTRACK

Depot upgrade Agreement Parties: GWRC/Toll
EMU Project Contract Framework - other related contracts

Other related contracts

Long-term Management Agreements

Master Maintenance Agreement
Parties: GWRL/Toll

EMU Maintenance Supplement

Master Lease Agreement
Parties: GWRL/Toll

EMU Lease Supplement

Rail Operating Contract
Parties: GWRC/Toll

Rail Operating Contract
Parties: GWRC/Toll

Chartering Agreement
Parties: GWRC/Toll
Hyundai-Rotem / Mitsui EMUs

EMU supply has 4 key phases:

- Project Mobilisation – Mar 2008
- Design Phase – Apr 2008 to … Jan 2010
- Procurement – Apr 2008 to Jun 2010
Matangi vs. Network

Nice modern train

- J’ville tunnels too small
- Stations shoddy / platforms too random
- Not enough overhead power
- One third of track circuits allergic
- Depot too old
EMU Enabling Works

• Rundown network is a key risk for current services

• Significant works to improve reliability, frequency and ensure smooth introduction and operation of new trains

• GW & Crown jointly funding enabling works $129m
EMU Enabling Works

• Management of Enabling Works and associated risks are highest priority for joint stakeholder team

• Key mitigation is the focus on project issues where decisions by one stakeholder significantly impact others

• Risk process ensures joint stakeholder resources are focused as required
McKays to Waikanae

- May/June disproportionate amount of heavy rain – has slowed progress
- Target remains post Wellington Anniversary weekend 2011
- Stations will be ready in time for double track opening
Station Entry

• All physical work – track, OHLS etc complete
• Remaining task to cut across new signalling around A Box (just north of platforms) and
• Complete switchover last weekend
• More gradual implementation of operational advantages
Transition-In

- Steering Group
- Depot Group
- Vehicle Group
- Communications Group
- Infrastructure Group
- Operations Group
  - Timetable Group
Lessons so far.....

- Robust tender
- Performance Output
- Strong contract...
- Make change
- PD experience
- Single point accountability
- Onsite mgmt
- Cultural PM
- PM focus in contract
- User groups early
Accessibility
Saloon Layouts (Bicycles)
Type Testing