

Tasmanian Infrastructure Strategy

Implementation Report June 2011

TASMANIAN INFRASTRUCTURE STRATEGY IMPLEMENTATION REPORT – JUNE 2011

TRANSPORT

WATER

ENERGY

DIGITAL

PLANNING

Viability & Sustainable Infrastructure

- Midland Highway Partnership Agreement
- Undertake a Brooker Highway Transport Plan
- Contribute to National Ports Strategy
- Pricing review (Tasports)

Efficient Infrastructure Delivery

- Develop 10 year rail strategy
- Divest Devonport Airport – N/A Tasports retaining Airport

CAPITAL PROJECTS

- Construction of the Brighton Transport Hub
- Midland Highway safety package (2+1 wire rope) – partnership agreement developed with Australian Government
- Kettering precinct master plan
- Assess Richmond Heavy Vehicle link road
- Lakes Secondary Road – assess sealing sections
- Rail Maintenance \$4m – funds used for purchase of railway from PN

CAPITAL PROJECTS

- Whitmore irrigation scheme
- Queenstown Water Treatment Plant
- Longford to Cressy Water Main
- Distillery Creek Water Treatment Plan Upgrade
- Bicheno Water Storage Dam
- Swansea Drinking Water Supply Upgrade

Effective Governance & Decision Making

- Tasmania has introduced a market based framework for energy planning while identifying and removing barriers to efficient investment

Viability & Sustainable Infrastructure

- The Tasmanian Natural Gas Project has established an integrated natural gas transmission, distribution and retail industry that connects Tasmanian to the Australian natural gas network. The Tasmanian Natural Gas Project ultimately saw gas become available to 42,000 homes and businesses and was facilitated by a State Government funding contribution of \$42million
- Undertake wedges analysis for carbon abatement
- Establish LNG site at Westbury

Leveraging our Natural Advantage

- Tasmanian Renewable Energy Industry Development Board established to investigate options for taking advantage of renewable energy resources

CAPITAL PROJECTS

- Transend Waddamana – Lindisfarne 220KV transmission line
- Burnie substation network transformer replacement
- Emu bay substation redevelopment
- Knights Road – Electrona transmission line replacement

Co-ordinated Infrastructure Planning

- Consultation with local councils on streamlining planning processes for National Broadband Network

Effective Governance & Decision Making

- Establish diverse stakeholder advisory group to provide ideas and feedback to government (Digital Futures Advisory Council)

Viability & Sustainable Infrastructure

- Develop and implement new Service Tasmania Online public interface (Online shop)
- Implement a state-wide digital imaging management system to support storage and retrieval of all medical images electronically and available at all sites across the State
- Use telehealth videoconferencing & other technology to increase the availability of health services in regional and rural communities

CAPITAL PROJECTS

- Modernise governance of ICT to coordinate digital transformation of government (*Governance established/complete*)

Effective Governance & Decision Making

- MOUs with three regional groups to complete regional land use (settlement) strategies
- Establish advisory committees to inform development of regional land use strategies

COMPLETED

PLEASE NOTE:

* Reporting on all initiatives with a 0-3 year implementation timeline

* Does not include initiatives completed prior to release of Tasmanian Infrastructure Strategy (February 2010)

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PLANNING

ON TRACK

Co-ordinated Infrastructure Planning

- Determine & implement optimal delivery model with Local and Australian Government for Tasmanian road network
- National reforms for improved network planning & investment coordination
- Review Northern Integrated Transport Plan
- Review Cradle Coast Integrated Transport Plan
- Undertake local area infrastructure planning in high growth areas & key industrial hubs
- Develop transport plans for major metropolitan areas
- Ongoing implementation of the Auslink Corridor Strategy
- Develop the Greater Launceston Metropolitan Passenger Transport Plan

Effective Governance & Decision Making

- Participate in national reforms to planning, governance and decision-making for infrastructure
- Expert advice to government on infrastructure priorities
- Embed WOG policies for climate change, social inclusion, economic development, budgetary, Tasmania Together in decision making process
- Enhance & centralise access to data and information
- Review Road and Jetties Act
- Development of models to support improved infrastructure forecasting & demand analysis
- Improved access to key outputs & information from the Freight Demander Survey & Greater Hobart Household Travel Survey to inform decision-making, including at the local level
- Initiation of future household travel surveys in Tasmania's major urban areas
- Assess funding models to get long term road maintenance on a sustainable basis

Effective Governance & Decision Making

- Develop a price and service standard framework to identify communities that are entitled to various levels of service
- Continue development of statutory Water Management Plans to include all catchments of high water demand

Viable & Sustainable Infrastructure

- Address boiled water alerts for Tasmanian communities
- Farm Water Development Plans provide analysis of on-farm irrigation water needs and ensure broader environmental sustainability of irrigation development
- Identify and prioritise water and sewerage network extension including those projects required to address service and compliance
- Urban Water Pricing Principles (COAG), once finalised and endorsed will assist in ensuring the cost recovery and reinvestment in infrastructure
- The regional urban water and sewerage corporations to submit price and service plans to the regulator for the first price determination. The plans will outline infrastructure requirements and planning
- Metering of all significant rural water use to enable auditing of water taken against water access entitlements

Efficient Infrastructure Delivery

- Regional corporations will help to consolidate urban networks and service delivery
- Continue to develop community managed irrigation schemes that optimise the delivery of water to farming enterprises
- Introduction of effective asset management strategies by corporations – monitored and enforced by the Economic Regulator
- Increasing capacity of water users to manage irrigation schemes

Co-ordinated Infrastructure Planning

- Local electricity transmission planning activities will be integrated with the Annual National Transmission Planning Statement produced by the National Transmission Planner
- Work with planning and environmental authorities to ensure there is a streamlined and clearly defined process for the development of renewable energy projects

Viable & Sustainable Infrastructure

- Investigate options to facilitate embedded renewable energy generation

Efficient Infrastructure Delivery

- Tasmania is transitioning to a national regulatory framework for transmission and distribution network planning which includes the application of rigorous regulatory tests for distribution and transmission investment and is administered by the Australian Energy Regulator
- Improve the feed-in price for embedded energy on King and Flinders Islands

Leveraging our Natural Advantage

- Investigate development of a second electricity interconnector between Tasmania and the mainland to capitalise on the commercial value of Tasmania's renewable energy assets and make a significant contribution in the national effort to meet a carbon constrained future

CAPITAL PROJECTS

- Aurora \$60m Eastern Shore upgrade
- Ongoing investment & improvement to system capacity, reliability & security for Hobart CBD, the RHH, Nth Hobart, the Wharf area & Salamanca

Co-ordinated Infrastructure Planning

- Establish industry and community partnerships for new digital infrastructure (Connect Any Student Any School)

Effective Governance & Decision Making

- Apply standards and outputs from the National Schools interoperability framework
- Through ICT Policy Board, develop and implement a strategy, including investment priorities, for the use of digital technologies across the government

Viable & Sustainable Infrastructure

- Establish Flexible Learning School to deliver distance education and e-learning State-wide using web 2 technologies delivered over broadband
- Implement Service Tasmania client update service for advising Government of change of address
- Implement patient and client management systems across mental health and primary health services
- Develop National Broadband Network participation plans for the health and education sectors
- Make Service Tasmania Online accessible from mobile services
- Trial smart grid technology in selected towns
- Establish systems to improve hazard and emergency management through access to combined spatial data
- Further increase in educational offerings in remote and regional Tasmania through the use of new technologies and ubiquitous broadband

Leveraging our Natural Advantage

- Attract first national digital service delivery trial to Tasmania

Co-ordinated Infrastructure Planning

- Complete regional land use strategies
- Translate regional land use strategies into updated planning schemes

Effective Governance & Decision Making

- Introduce enforcement provisions for planning schemes
- Review State Policy framework
- Review Projects of State Significance framework
- Introduce State of Region reporting – focus on development, infrastructure, natural resources
- Enhance data collations – identify key indicators

Viable & Sustainable Infrastructure

- Assist with development of strategic asset management system – sustainable funding

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ON TRACK

- Identify clear infrastructure responsibilities within Government

Viable & Sustainable Infrastructure

- Assess Domain interchange to Risdon Rd upgrade
- Ongoing development of State road access program including: Intelligent Access Program; Performance Based Standards; Safer & more efficient heavy vehicles - quad axle
- Review State Ports Strategy
- National regulation for maritime safety
- Develop Urban Travel Demand Model
- Assess potential for alternative fuel source for buses
- Tourism Infrastructure Investment Strategy
- Develop & implement Intelligent Transport System Statewide Plan for transport system
- Review Transport Policy
- Develop GPS Statewide Plan
- Develop Tasmanian Freight Strategy
- Develop Regional Freight Strategies
- Develop climate change strategy for transport
- National regulation for heavy vehicles
- Assess point to point speed enforcement on highways
- Review Road Safety Strategy and annual Road Safety actions plans
- National regulation for rail safety
- Implementation of the Tasmanian Urban Passenger Transport Framework
- Establish the Urban Passenger Transport Advisory Group
- Develop strategy to enhance bus services to improve patronage
- Develop approach to maximise efficiency of bus corridors
- Develop public education strategy to “move minds” from traditional thinking of transport to a sustainable model
- Campaign to promote public debate on and encourage use of alternative forms of transport including:

Leveraging our Natural Advantage

- Implementation of Irrigation Water Infrastructure Program informed by sound knowledge of resource availability and demand for water taking into account climate change
- Clear recognition of opportunities for water development, given reliable water yields, particularly during winter
- National recognition of the scope for sustainable irrigation development at the same time that agricultural production in the Murray-Darling Basin is facing water availability pressures
- Improving capacity of farmers to use irrigation water efficiently and sustainably
- Tas Institute of Agricultural Research (TIAR) leading research, development and extension into land capability, high value crops and value chains
- Transitioning from lower value land use to higher value land use through improved water availability and reliability

CAPITAL PROJECTS

- Upgrade water supply to Spreyton/ Melrose
- Strahan Water Treatment Plan Upgrade
- Currie Water Supply Upgrade
- Burnie to Cam River Water Main
- Forth Water Treatment Plan Upgrade
- Rosebery Water Treatment Plan Upgrade
- Rationalisation of Wynyard and Somerset Wastewater Treatment Plants
- Rationalisation of Port Sorell, Latrobe and Devonport Wastewater Treatment Plants
- Rationalisation of Turners Beach and Ulverstone Wastewater Treatment Plants
- Campbell Town Water Treatment Plant
- Scamander Water Treatment Plant
- Westbury/Hagley Water Treatment Plant
- Lilydale Water Supply Main
- Devon Hills Water Supply Main
- South East Tasmanian Recycled Water Scheme

- \$62m in Kingston/Channel area for installation of major distribution infrastructure including establishment of a new zone substation and associated sub-feeders near Browns Road
- \$35m in Greater Launceston area
- Transend Tungatinah substation redevelopment
- Norwood-St Leonards-Mowbray 110 kV cable (New)
- Hydro 1000GWh program
- Musselroe Wind Farm
- Bass Strait Islands – reduction of diesel dependence by 50% & greenhouse emissions by 70% through wind, resistor & control system project for Flinders Island, more wind capacity & integrated technology on King Island & bio-fuel substation for both systems

CAPITAL PROJECTS

- In-home health and education services – *DEDTA: opportunities that arise over the coming 3 years that are supported from Federal funding sources will be pursued*
- Attraction to the State of large-scale, innovative demonstration pilots – *DEDTA: opportunities that arise over the coming 3 years that are supported from Federal funding sources will be pursued*

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- State Government Carpooling website
- Travel Smart Program
- Intro of workplace travel plans
- Marketing campaign for travel by public transport
- Progress implementation of key passenger transport initiatives, including high-frequency bus corridors, transit-oriented development, park and ride and local walking and cycling initiatives
- Investigate urban transit corridors in Hobart, incorporating high frequency bus services, on-road priority and upgraded supporting infrastructure
- Assess bus priority measures
- Investigate redevelopment of bus interchanges
- Assess introduction of real time passenger information
- Investigate public transport priority measures on priority corridors
- Implement a consistent concessions policy for urban and non-urban public transport
- Risk assessment of school bus routes
- Investigate opportunities to better coordinate the funding and delivery of services in the public and community transport sectors
- Redevelopment of bus interchanges
- Assess Cycleways
- High frequency bus services – initial focus Claremont to Sandy Bay and South Hobart to Howrah
- Assess revitalisation of Hobart Port as world gateway to Antarctica and Southern Ocean

Efficient Infrastructure Delivery

- Participate in the development of national initiatives including: commercial provision of infrastructure; & cost reflective pricing
- Assessment of contemporary business models for road infrastructure delivery to a more commercial focus to public infrastructure delivery in line with national reforms

- Taroona Wastewater Treatment Plant Integration
- Huon Valley Regional Water Scheme
- Berriedale Water Main Duplication
- Margate Water Main Duplication
- Lenah Valley Water Supply Augmentation
- Statewide Water Meter Roll-out and Replacement Project – majority of works in the Southern region of State
- Kingborough Wastewater Treatment Regionalisation Program
- Lauderdale Sewerage Scheme
- North Caroline Street Sewage Pump Station
- Grassy Water Treatment Plant Compliance Upgrade
- Wastewater Treatment Plant Compliance Upgrades for Deloraine, Sheffield, Stanley, Ridgley, Strahan, Queenstown, Ti Tree Bend, Hoblers Bridge, Ranelagh, Geeveston, Orford, Swansea, Bicheno, Dover, Gretna, Maydena, Wynyard, Pelican Point and Tullah
- Queechy Sewer and Pump Station Upgrade
- Reservoir Roofing Program
- Irrigation Schemes - Sassafras/Wesley Vale, Meadstone Dam, Winnaleah, North East – Upper Ringarooma, Midlands, South East, Forth-Kindred North Motton, Headquarters Road Dam, Dial Blythe, Lower South Esk, Swan River
- Small Town Boil Water Alert Removal Program: Ouse, Wayatinah, Gretna, Hamilton, Colebrook, Judbury and Mountain River

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- National Rail Productivity Reforms
- Develop principles/objectives of fair network access & pricing framework
- Passenger transport behavioural change measures, including work and school-based travel plans
- Provision of strategic cycle and pedestrian linkages and supporting infrastructure and information
- Assess Burnie Port upgrade to prime bulk goods port with roll on-roll off capacity

Leveraging our Natural Advantage

- Demonstration of local level accessibility through affordable housing initiatives
- Continued focus on opportunities to improve accessibility at the local level

CAPITAL PROJECTS

- Brighton Bypass
- Bagdad Bypass planning
- New Bridgewater Bridge planning
- North East Freight road upgrades
- Kingston Bypass
- Upgrade Murchison Highway
- Community Roads Project (refer to [progress chart](#))
- Improvement to Mount Black road section (refer to progress chart)
- Brooker Highway congestion measures (addressed in Brooker Highway Transport Plan)
- Capital rail upgrades, including Melba Line upgrade
- Provide high quality bus stops and waiting areas
- Tasman Highway to Hobart Airport – upgrade of intersections planning – will commence in 2011/12
- Bell Bay Port rail – Realignment of rail \$9.5m **
- Burnie Port rail access upgrade**

**Tasports is well underway in developing an integrated port strategy for the northern Tasmanian ports, and is in discussions with stakeholders, including Tasrail to determine the best port strategy to complement the longer term development of the Bell Bay port in line with the 2010 Infrastructure Australia update.

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DELAYED/UNFUNDED

Viable & Sustainable Infrastructure

- Develop rail access framework
- Develop headworks charging regime (3-5)

CAPITAL PROJECTS

- Brooker Highway – assess Domain interchange to Risdon Road upgrade(5-10)
- Capacity (realignment) improvements on the main north-south rail line and at Rhyndaston (project being rescoped, some work has been undertaken)
- Assess Batman/Frankford/East Birralee freight route upgrade (3-5)
- Expansion of Bell Bay Port (subject to Federal Government funding)
- Hobart Port Refurbishment (subject to Australian Government funding)

Effective Governance & Decision Making

- State Water Plan integrating urban and rural water use

CAPITAL PROJECTS

- Shannon Clyde Irrigation Scheme

CAPITAL PROJECTS

- Investigation into wind farm at Robbins Island and Jims Plain on the NW coast

Viable & Sustainable Infrastructure

- Trial smart grid technology in selected towns
- Use telehealth videoconferencing and other technology to increase the availability of health services in regional and rural communities

Leveraging our Natural Advantage

- Establish digital technology demonstration sites as part of community education



Tasmania
Explore the possibilities

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