COUNTRY EXPERIENCE ON EMISSION MEASUREMENT AND MITIGATION POLICIES

Republic of the Fiji Islands
Populated Islands: 100 islands populated out of total 332 islands
Maritime Area (EEZ): 1.3 million square kilometers of Ocean
GDP: F$4.5 billion or US$2.3 billion
GDP per Capita: US$5,900
Exports: US$719.6 million (fob)

Major Exports:
(i) Sugar – F$120m
(ii) Tourism – F$500m
(iii) Fisheries – F$30m
(iv) Minerals – F$40m
Figure 1 Policy formulation flow chart

Figure 2 Policy and budget framework

Long-term

PEOPLES CHARTER/ VISION

ROADMAP/SDP

BUDGET STRATEGY

3-5 years

PSIP

REFORMS

3 years

CORPORATE PLANS

Annual

ANNUAL BUDGET


Participatory mechanisms

Millennium Development Goals
TRANSPORT SECTOR: VITAL FOR THE ECONOMY

OVERALL
- Creates local network
- Link domestic economy to international market - trade facilitation
- Increased market size leads to efficiency
- Enable sharing of innovation and technology
- Create employment and broadens labour pool

ROADS
- Improves local market access
- Development of rural areas
- Encourage local SMEs
- Improve access to facilities (e.g. medical, schools etc.)
- Allows access to resources
- Reduces cost of travel and production costs

SEA AND AIR TRANSPORT
- Improve market access locally and globally
- Facilitates international trade
- Economies of scale due to access to a larger market
- Develop export sector and also key industries such as tourism

PROVIDES NECESSARY SUPPORT FOR ECONOMIC GROWTH AND DEVELOPMENT

Source: RBF 2012
Transport Sector 60% of total fuel consumption in Fiji

TOTAL FUEL IMPORT (2009-2012)
- 563,079,671mltrs valued at FJD$726,100,100 pa
- Approx. 55% is locally consumed. Rest are re-exported to the region
2006-2010 AVERAGE COMPOSITION BY ACTIVITY OF THE TRANSPORT SECTOR

- Supporting & Auxiliary Activities: 47%
- Air Transport: 31%
- Land Transport: 17%
- Water Transport: 5%

Sources: Fiji Bureau of Statistics
Performance of Land Transport: Registered Vehicles

- Upward trend since 1980.
- Compared to 10 years ago (2002), total vehicles registered in 2011 was 38.9% higher.
- Total registered vehicles grew on average by 3.8% p.a over the last 10 years.
- Largely made up of private and goods vehicles (light and heavy goods vehicles including vans, trucks, pick-ups etc);

2011: Stock of Registered (171,157)

Private Related Vehicles

Public & Commercial Vehicles

Sources: Fiji Bureau of Statistics
Peaked in 2005 with 7,876 vehicles registered – an annual growth of 13.2 percent when compared to 2004.

Compared to 10 years ago (2002), newly vehicles registered in 2011 was 4.1% higher

Newly registered vehicles grew on average by 14.3% p.a. over the last 10 years.

Sources: Fiji Bureau of Statistics
REGISTERED LAND VEHICLES BY FUEL TYPE IN 2012

- Petrol: 47%
- Diesel: 48%
- Gas: 2%
- Hybrid: 0.2%
- Electric: 0.2%
- Other: 2%

Source: Land Transport Authority
PERFORMANCE OF AIR TRANSPORT

Passenger Kilometers Performed

Source: Fiji Bureau of Statistics

Revenue Tonne – KM Performed

Source: Fiji Bureau of Statistics
PERFORMANCE OF PORT ACTIVITY

Total Merchant fleet by flag of registration and by type of ship (1980-2012)

Cargo Handled at Ports

Cargo Handling/Stevedoring Activities as a Percent of GDP

Trans-shipment Activities: 2008 - 2011

Source: Fiji Ports Corporation Ltd, Fiji Bureau of Statistics, Macroeconomic Committee

Source: UNCTAD
CONTRIBUTION TO GROWTH

Average contribution of 0.3p to GDP growth over 16 years

Source: Fiji Bureau of Statistics
Provides a significant source of employment of around 9,516 (2008) people of which:
- 49.6% are in land transport;
- 25.7% are in warehousing & support activities;
- 16.3% are in water transport; and
- 8.4% are in air transport
Employment in this sector makes up 8.3% of Fiji’s total employment (2008)

DOCUMENTS OF NECESSITY

UN MDG’s & International Obligations
Mauritius Strategy (Asia Pacific) & Regional Obligations
2013 Constitution for the Republic of Fiji
Presidential Mandate
People’s Charter for Change
Road Map for Democracy and Sustainable Social – Economic Development (2009 - 2014)
PSIP/REFORM
Service Excellence Framework
National Budget Statement
Ministry of Works, Transport & Public Utilities ACP 2013; BP - 2013
Department of Transport Planning Business Plan 2013
FIJI POLICY INITIATIVES

LAND TRANSPORT SECTOR
- Duty concession for all buses with Euro 4 ANS Euro 3 engines and for LPG taxis
- Age restriction on 2nd hand imported vehicles – no more than 5 years, taxis - operate for 12 years, buses - 25 years

INCENTIVES
- Fiscal duty
  - New cars & other passenger vehicles not exceeding 1500cc (from 32% to 15%)
  - New buses of 23 or more passengers from 32% to 5%
  - New trucks less than 3 tonnes from 32% to 5%
  - Age restriction extended to LPG, CNG and solar vehicles to 8 years
LAND TRANSPORT SECTOR INITIATIVES

**SUBSIDY**
- Bus Fare – school children parents collective wage less than $15,000
- Bus Fare – elderly and physically challenged

**INFRASTRUCTURE**
- $400m Road Improvement Programme

**LTA EMISSION PROGRAMMES**
- Daily smoke operations
- Equip all LTA Testing Centers and Vehicle Inspecting Agencies (PPP)

**Enforcement**
- Issue Traffic Infringement Notices
- Roadside Operations
- Restoration of defect orders
AIR TRANSPORT
- FLEET REPLACEMENT TO AIR BUS

MARITIME TRANSPORT
- IMPROVEMENT TO PORTS, ENABLING SHIPS TO POWER DOWN IN PORTS
- EFFICIENT PORT OPERATIONS & FACILITIES – MINIMUM VESSEL TURNAROUND TIME
- SUBSIDY
  - FIJI SHIPPING FRANCHISE SCHEME
WAY FORWARD

- 2013 Constitution- Bill of Rights to accessible transport and health
- Review 1998 LTA Act
  - Amend LTA Regulations reduce smoke opacity from 50% to 25%
- Maritime Transport Decree
- Ship Registration Decree

- Formulate Land Transport Policy
- And Maritime Transport Policy
- Harmonise these Policies with the National Energy Policy
- Introduction of :
  - Quality Assurance Management Systems (QAMS)
  - Six month certification for PS Vehicles
  - Test Priority lanes in Oct 2013 during peak hrs.
- Explore and propose other incentives for 2014 Budget
- Review licensing of commercial vehicles policies
- Driving school curriculum & training techniques

- Review of the 1993 Fiji National Transport Sector Plan
- Integrated Corridor Planning with Min of Local Govt
- Research and Development
  - Usage of prototype vessels
  - Adoption of electric vehicles
  - Maximise utilisation of current rail system
OPPORTUNITIES FOR IMPROVEMENT

• Heavy dependency on fossil fuel
• Capacity Building
• Data collation
• Synergy of resources
Opportunity for Improvements

Heavy dependency on fossil fuel
Capacity Building
Data collation
Synergy of resources
Improve Maritime Resources
THANK YOU

VINAKA SAKA

QUESTIONS