

BULA FROM SUVA, FIJI

SUVA



PRACTICE & CHALLENGES FOR THE CREATION OF LIVEABLE AND SUSTAINABLE SMART CITY

Suva, Fiji



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INTRODUCTION

Fiji consists of 332 islands spreading over 18,332 sq km.

The largest Island is Viti Levu (10,429 sq km). 75% of the population resides there.

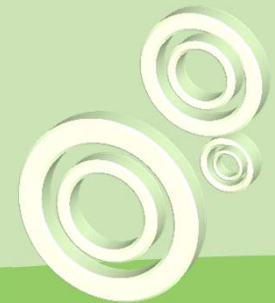
Estimated population is about 850,000

Suva City is the capital

Political/Business/Cultural centre

Hub of the pacific

- **Pop 80,000 inhabitants; 200,000 transit/floating**
- **Economy – mixed**
- **Vibrant /cosmopolites**



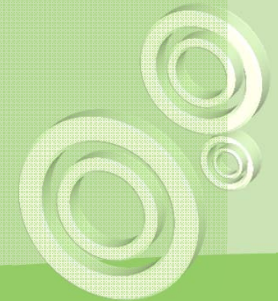
Selected Sectors

- **Urban Management**
- **Sustainable Urban Transport**
- **Waste Management**
- **Green Buildings**
- **Urban Disaster Management**
- **Support protocols & conventions ratified by Government ; e.g. Kyoto Protocol**
- **Greening - Commit Government initiative to plant million trees**
- **Health City Initiative**



Problems & Issues

- **URBAN SPRAWL –**
- **TRANSPORTATION –**
- **AGING INFRASTRUCTURE -**
- **CLIMATE CHANGE –**
- **SOLID WASTE –**
- **Degradation Environmental quality –**
- **Finance –**
- **Outdated Legislations**



MEASURES/POLICIES OF SELECTED SECTORS by Council

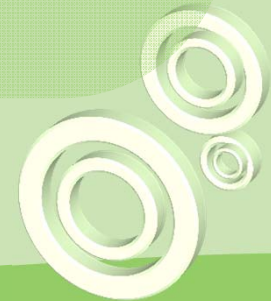
Urban management

- Enforcement of National Building
- City parking meters changed to solar powered (renewable energy)
- Street lights being piloted to change to solar powered
- Promote use of alternative fuel (biodiesel) for Council fleet of vehicles
- Urban planning promote livable neighborhood
- Creation of more walkways to promote people walk to City
- Restrict building development for unsewered sites (20%)



SUSTAINABLE TRANSPORT

- Need for introduction of rapid systems (inter-towns)
- Government subsidiary has seen companies investing in new modern buses.
- Govt subsidiary on LPG vehicles – env friendly
- Improvement on trunk routing to decrease traffic congestion
- Enforcement by LTA to reduce smoke emission
- Re-routing of public transport (buses)



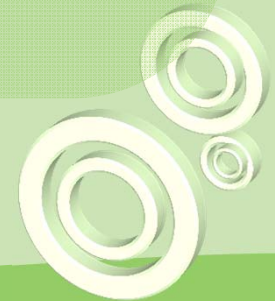
Waste Management

- ***Education & awareness in going***
- ***Treatment of municipal waste (organic)is being piloted by Council. Compost sold to public & applied Council gardens***
- ***3R promoted in piecemeal basis (components) through PPP, follow up on JICA success***
- ***Move from open dumping to Landfill (8years)***
- ***Reduction of green waste collection from 1/week to once/month to enable residents to compost***
- ***Partnership with UNDP gef (US \$50,000) for Suva city sustainable waste management project on promotion of “Home based” Compost Bins***
- ***Waste paper recycling promotion in Council & corporate companies (South Pacific Recyclers)***
- ***Street Litter Bin project sponsorship by business house (PPP)***



Greening Buildings

- Promote use of renewable energy (solar system)
- Maintenance of open reserves & Parks
- Promote planting of a million trees (Govt initiative)
- Encourage rooftop gardening/greening
- Reducing paved areas –have permeable spacers for increased infiltration



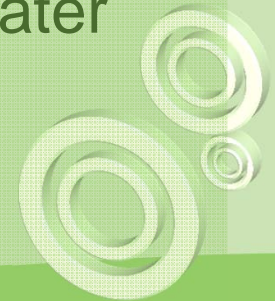
other strategies

- Support protocols by Govt (kyoto)
- Healthy City Initiative partnership with WHO/Ministry of Health- develop walkways & work stations for public promoting walking & exercise
- Training & capacity building for staff
- Adopt to new technologies/concepts – PPP; community participation/consultation;
- Engage in clean up campaigns
- Clean & green School competition all 52 Schools in the City
- CDIA projects on urban drainage/sustainable transport management
- Increase building levels above mean sea level (e.g. 2.5M)



Lessons learned & way forward

- Engage in PPP with entities (cost/responsibility sharing)
- Share resources & assist each other
- Participatory/integrated approach
- Engage in active public & stakeholder consultations/submissions
- Learning from sister cities
- Establish goals & measure progress
- Legislate compelling % of greening in building development
- Use of natural resources such as solar & rain water in public facilities





HAPPY LEARNING

Vinaka from Suva, Fiji

**Open for discussion/comments
please**



Composting 101 - Turning gardening garbage into gold!!!!