

Air Quality Policies

This document is based on research that UNEP conducted in 2015, in response to Resolution 7 of the UNEA 1. It describes country-level policies that impact air quality. Triple question marks (???) indicate that information for the section couldn't be found.

Please review the information, and provide feedback. A Word version of the template can be provided upon request. Corrections and comments can be emailed to Vered.Ehsani@unep.org and George.Mwaniki@unep.org.

FJI, REPUBLIC OF		
GOALS	CURRENT STATUS	CURRENT / PLANNED POLICIES & PROGRAMMES
GENERAL OVERVIEW	<ul style="list-style-type: none"> ● Overall situation with respect to air quality in the country, including key air quality challenges: air quality is an issue in the urban areas, mainly from vehicle emissions and burning of municipal wastes ● Issues of insufficient resources and personnel to implement and enforce legislation, and to monitor pollution sources (ex: industry) ● Air quality monitoring system: No 	<ul style="list-style-type: none"> ● National Ambient air quality standards: Standards meet WHO Guidelines, except no PM2.5 standard. ● National Air Quality Policy: No ● Air Quality legislation / programmes: Environment Management Regulations 2007 includes a section on air emission licenses ● Other:
REDUCE EMISSIONS FROM INDUSTRIES	<ul style="list-style-type: none"> ● Industries that have the potential to impact air quality: cement factories, quarries, sugar mills, power generation ● Industries not monitored to gauge amount and type of pollution released ● GDP of country: \$4 billion ● Industries' share of GDP: 14% ● Electricity sources: hydro (48%), industrial diesel oil (34%), heavy fuel oil (15%), bagasse and other biomass (2%), wind (1%) 	<ul style="list-style-type: none"> ● Emission regulations for industries: Emission licenses given ● Small installation's emissions regulated: (Yes/No) ??? ● Renewable energy investment promoted: incentives include 10 year tax holiday for a taxpayer undertaking a new activity in processing agricultural commodities into bio-fuels from 2009 to 2014; VAT exemption for items necessary for biofuel and renewable energy production ● Energy efficiency incentives: (ex: Subsidies, labelling, rebates etc) The Energy Conservation and Efficiency Programme includes public awareness programmes, energy audits, use of energy efficient equipment and the adoption of standards and labeling for refrigerators and freezers. ● Incentives for clean production and installation of pollution prevention technologies: No ● Actions to ensure compliance with regulations: (monitoring, enforcement, fines etc) ??? ● Other actions at national, sub-national and / or local level to reduce industry emissions: ???

<p>REDUCE EMISSIONS FROM TRANSPORT</p>	<ul style="list-style-type: none"> ● Key transport-related air quality challenges: Growth of private vehicles leading to congestion and increased emissions ● Lack of enforcement of road rules was identified during the development of the Greater Suva Transportation Strategy (Fiji Roads Authority) 	<ul style="list-style-type: none"> ● Vehicle emission limit: (Euro rating) ??? ● Fuel Sulphur content: 500 ppm (but import from Australia and New Zealand, so probably cleaner than that) ● Restriction on used car importation: Vehicles older than 6 years are banned ● Actions to expand, improve and promote public transport and mass transit: Greater Suva Transportation Strategy outlines a Staging Plan and an Action Plan for implementing road projects, traffic management measures, public transport initiatives, walking and cycling initiatives and road safety initiatives from 2015 to 2030; it includes dedicated bus lanes, improved footpaths and enforcement of road rules (see http://www.fijiroads.org/sites/default/files/GSTS%20REPORT%202015-2030.pdf for more details) ● Actions to promote non-motorized transport: (ex: include sidewalks and bike lanes in new road projects, car-free areas etc) While bike paths are included in the Transportation Strategy, they are only along recreational routes; there is a number of plans for upgrading pedestrian crossings and paths ● Other transport-related actions:
<p>REDUCE EMISSIONS FROM OPEN BURNING OF AGRICULTURAL / MUNICIPAL WASTE (OUTDOOR)</p>	<ul style="list-style-type: none"> ● Outdoor, open burning: Open burning of municipal and agricultural wastes is common 	<ul style="list-style-type: none"> ● Legal framework: open burning of municipal waste is banned ● Actions to prevent open burning of municipal waste and / or agricultural waste: ???
<p>REDUCE EMISSIONS FROM OPEN BURNING OF BIOMASS (INDOOR)</p>	<ul style="list-style-type: none"> ● Dominant fuels used for cooking and space heating: 40% use solid fuel (wood) ● Impact: <100 deaths/year from indoor air pollution 	<ul style="list-style-type: none"> ● Indoor air pollution regulated: (Yes / No) ??? ● Promotion of non-grid / grid electrification: Electrification rate is 75%; 600 off-grid diesel systems in rural communities ● Promotion of cleaner cooking fuels and clean cook stoves: ??? ● Other actions to reduce indoor biomass burning, or to reduce its emissions:

Secondary Sources used in the research: <http://airlex.web.ua.pt/pm10>, http://www.who.int/quantifying_ehimpacts/national/countryprofile/en/#1, http://www.unep.org/Transport/New/PCFV/pdf/Maps_Matrices/AP/matrix/AP_Matrix_June2015.pdf, https://energypedia.info/wiki/Main_Page.

<http://www.reegle.info/countries/>, <https://doefiji.wordpress.com/2013/10/22/air-pollution/>, <https://doefiji.files.wordpress.com/2013/10/final-environment-management-waste-disposal-recycling-regs-21-nov-07-2.pdf>, <http://www.frca.org.fj/motor-vehicles/>, <http://www.fbc.com.fj/fiji/10006/goverment-approves-importation-of-euro-4-compliant-vehicles>, http://www.wpro.who.int/environmental_health/documents/docs/EHIAFinal.pdf, <http://www.fdoe.gov.fj/index.php/energy-security/energy-conservation-efficiency>, <http://www.adb.org/sites/default/files/linked-documents/cps-fij-2014-2018-ena.pdf>, <http://www.fjiroads.org/content/greater-suva-transportation-strategy-2015-2030>, <http://www.fjiroads.org/sites/default/files/GSTS%20REPORT%202015-2030.pdf>