



Joint efforts of UNON and UNEP for the Sustainable UN

The Committee of Permanent Representatives
(CPR) to UNEP

15 February 2018



Agenda

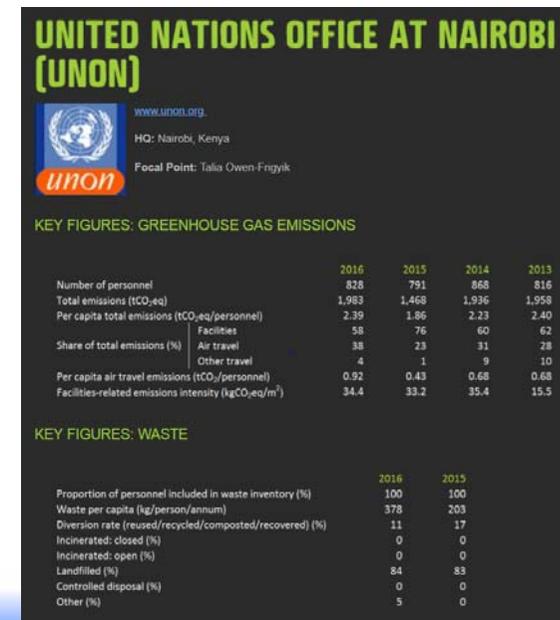
1. Environmental Management System
2. Waste Management
3. Waste Water Management
4. Water Management
5. Power Management
6. Mobility Policy
7. General Construction Update



1. Establishing an Environmental Management System/ EMS for UNON and the UN Gigiri Complex

- A72/82 outlines an action plan for integrating sustainable development practices into Secretariat-wide operations and facilities management.
- Involves implementing environmental management systems/ EMS with the goal, (to be achieved as soon as possible, or by 2020, if practicable) of creating a Secretariat that does not, through its operations or facilities management, have a negative impact on the climate.
- Incorporates implementation of EMS at all secretariat locations.

- ✓ Has collected/ published GHG emissions data as part of Greening the Blue Report since 2009;
- ✓ Provides facilities related GHG data to 50+ AFP's on p/sqm basis, including key figures for waste/ water;
- ✓ Achieved climate neutral status for the first time in 2015, which has continued to 2016 (agreement with UNFCCC to purchase AF CER's);
- ✓ Actively pursuing establishing of an EMS with aim of achieving ISO 14001:2015 certification. UNON's Print Shop has had ISO certification since 2007.





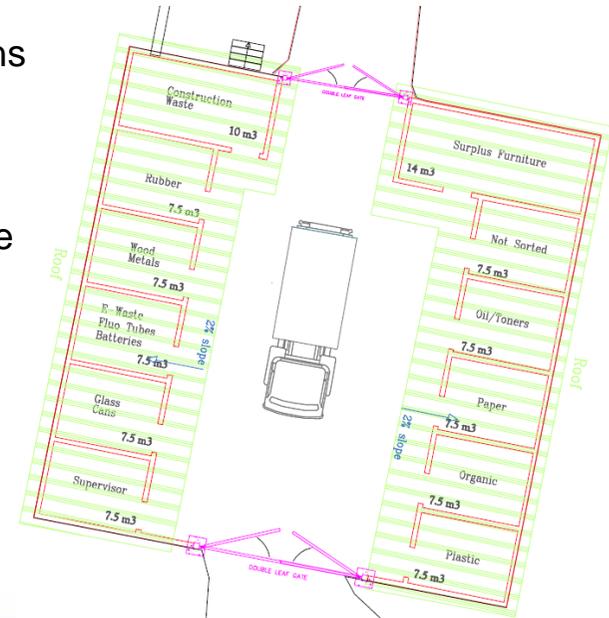
1. Establishing an Environmental Management System/ EMS for UNON and the UN Gigiri Complex

- Contract awarded 2017 to consultancy firm to assist UNON's FMST to lead the process towards ISO certification;
 - Contract includes documentation, training, awareness, audit etc. through to the certification as well as post certification, annual surveillance and certification renewal;
 - Provides a clear road map to facilitate ISO 14001:2015 certification by mid-2019;
 - Sharing the same goals and working together with other EMS pilot entities, UNEP and WFP as established WG has not only facilitated the sharing of information, but also inputs/ training from Sustainable UN/ SUN on EMS;
 - First step on the road map/ EMS process is gap analysis which aims at identifying areas of weakness/ opportunities against ISO 14001, which serves to guide UNON's actions/ preparations- completed Dec 17;
 - Next step is a three tier training process: organization wide on line training initiative, which will provide general awareness training on ISO 14001 for all staff. This will be followed by an in-depth training of 20 UNON officers on development and implementation of EMS based on ISO 14001:2015 as well as full review of UNON's process, activities etc. followed by a core group responsible for auditing activities.
- ✓ EMS scope is proposed to include all UNON's activities, products and services including provision of administrative and other support services to UNEP and UN-Habitat, provision of common services to UN AFP's as applicable, managing and implementing the programmes of administration and services for UN staff and facilities at the Complex;
 - ✓ Initial focus is however expected to be UNON's facilities management operations, i.e. power, water, wastewater and waste management.



2. Waste Management & Sorting Services

- ✓ New waste sorting station completed and new waste service provider contracted by end of 2017;
- ✓ Currently over 90% of waste disposed to landfill **only 11% is recycled**;
- ✓ **Goal to recycle over 90% of the waste generated**;
- ✓ Data will support implementation of EMS/ ISO 14001 certification, and GHG reporting statistics for all AFP's at the Complex each year;
- ✓ UNON, UNEP & WFP will shortly start pilot, including waste sorting bins (organic/ food waste, paper, glass/ cans, plastic) in office cores to sort waste at source, including staff awareness and training;
- ✓ Lessons learnt from this pilot will be implemented prior to rolling out the across office space within the complex.

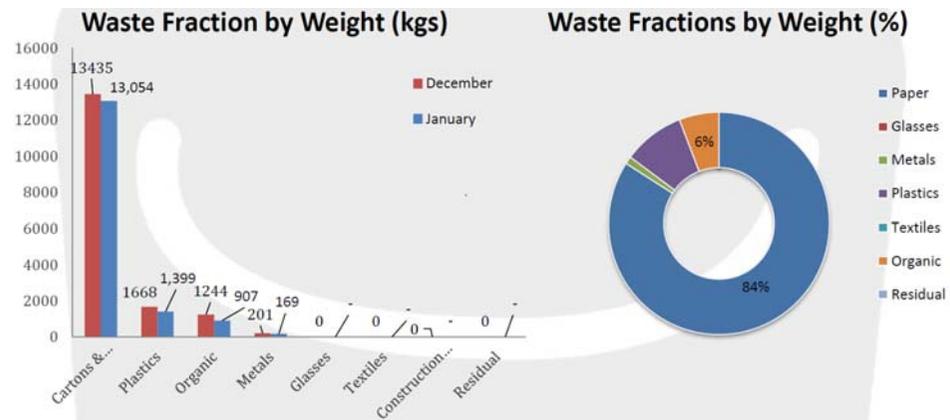




2. Waste Management & Sorting Services

- ✓ Extract from new waste service providers report for January 18 indicates:
- ✓ 15,529kg of waste collected*
- ✓ 84.1% paper, 9.0% plastic, 5.8% organic as main fractions
- ✓ 0% not recycled (residual waste);
- ✓ Information per sub fractions of waste, i.e. plastics- LDPE, HDPE, PVC etc. provided.

* relates to office/ common areas only, excludes caterers.

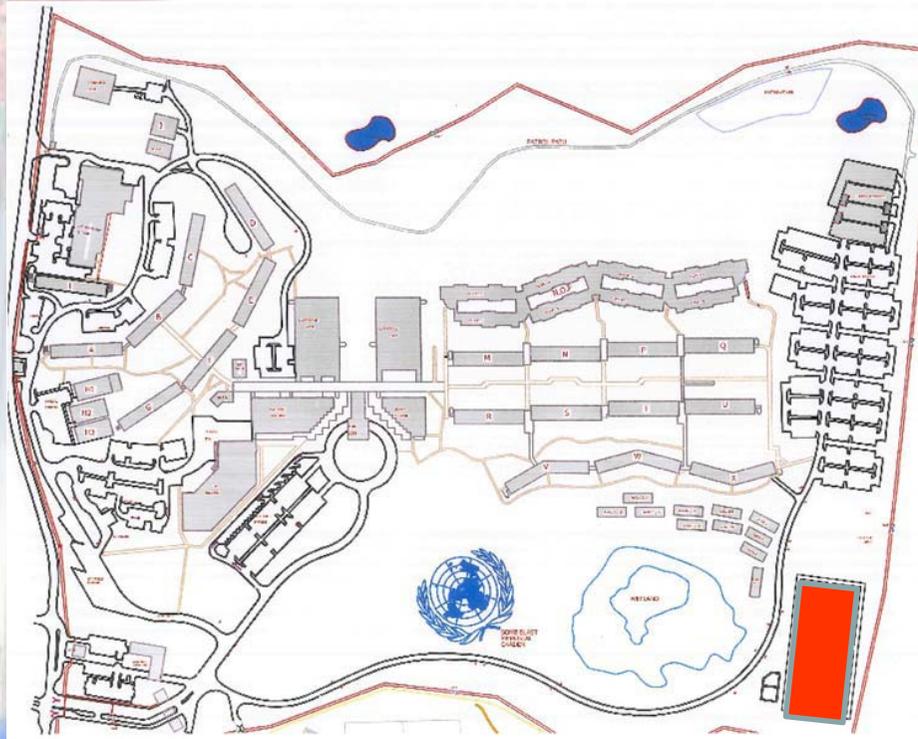


Fraction	Short description of fractions	How the fractions are recycled	Waste collected [in kg]	Waste collected [in %]	Recycling GHG emissions saved [in kg]	No landfill GHG emissions saved [in kg]	Total GHG emissions saved [in kg]
Cartons & Paper			13,054	84.1%	37,859	17,817	55,676
Mixed colour paper	Coloured and white office paper	Tissues, toilet paper	11,166	71.9%	31,933	16,972	48,905
Loose news prints	Loose news prints	Tissues	-	-	-	-	-
Cartons	Corrugated boxed	New cartons, envelopes	1,808	11.6%	5,642	814	6,455
Tetra pack	Packages made of hard paper	Chipboards	80	0.5%	284	32	316



3. Waste Water Management - Oxidation Pond Rehabilitation

- ✓ Oxidation Ponds 30 years old, capacity to be increased to support 4,500 instead of 3,000 people;
- ✓ Increase efficiency of ponds plus lower running costs as natural water treatment process;
- ✓ Project underway, due for completion by mid 2018;
- ✓ In addition NOF waste water envisaged to be treated by the rehabilitated ponds.
- ✓ Scope: removal the existing flooring, disposal of sludge/liquid, reshaping/deepening ponds, installation of new flooring.
- ✓ Treated waste water transferred to wetland and used for irrigation.



UNON in consultation with UNEP conducted in-depth assessment of the current wastewater facilities & management at complex, and designed suitable upgrades for improved and sustainable wastewater management system.



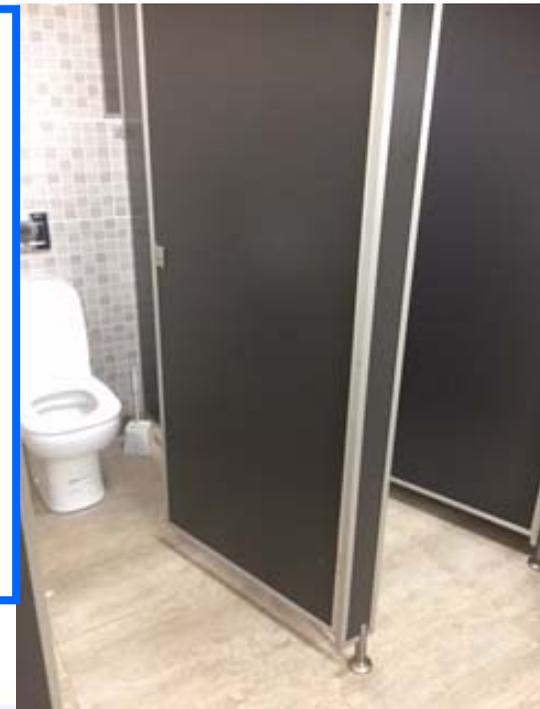


4. Water Management - Washroom Upgrades

- Project started 12 weeks remaining
- V/W/X due to complete in February;
- R/S/T/U-ground & top; M/N-middle and P/Q-middle floors starting February;
- All remaining office blocks M-U will be completed by April/May;
- Washrooms in central area upper & lower concourse also due by May.



- ✓ New wall and floor tiles;
- ✓ Stall partitions;
- ✓ Efficient sanitary fittings;
- ✓ Dual flush;
- ✓ Reduced water usage (12 to 6-9 litres);
- ✓ Self-closing, auto shut push taps;
- ✓ Energy saving LED lights & motion sensors.





5. Power Management

- Replacing corridor lighting with LEDs;
- Installation of energy saving lighting with motion sensors in washrooms;
- Solar lighting was introduced in the eastern carpark during 2016/17;
- Installation of solar lighting along internal roads and car parks as part of the current rehabilitation of the internal access road to the eastern car park.

✓ Solar outdoor lighting



✓ Energy saving LED lights





6. Mobility Strategy

- UNON and UNEP worked in close partnership during 2017, as part of a working group established by the Common Services Management Team (CSMT) which includes operational representatives from every UN AFP based in Kenya.
- This working group hired a transport specialist to prepare a Mobility Strategy for the UN Gigiri complex, ultimately aimed at reducing congestion in the area over the next few years.
- The outcome will be a number of initiatives aimed at reducing single occupant car usage which is the biggest contributing factor to congestion in the area.

Focus Areas in 2018:

- ✓ Improving convenience for staff using the bus service, to reduce travel time through improved routes and vehicle configurations
- ✓ Encouraging non-motorized transport options such as bike
- ✓ Trialing of a bike share scheme across the UN Gigiri complex during 2018



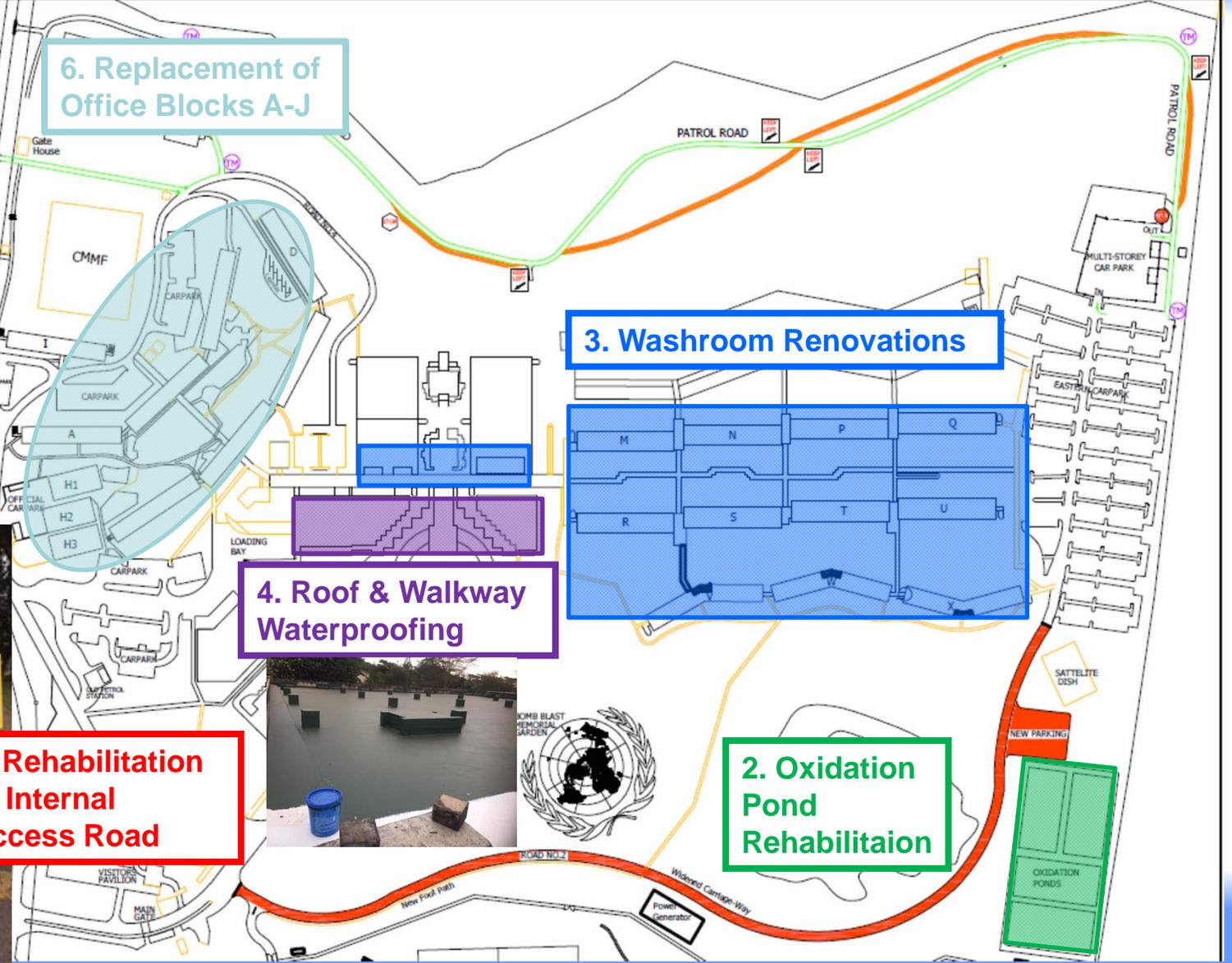
7. General Construction Update



5. Electrical Upgrades



1. Rehabilitation of Internal Access Road



6. Replacement of Office Blocks A-J

3. Washroom Renovations

4. Roof & Walkway Waterproofing

2. Oxidation Pond Rehabilitation



7. Update on A-J Replacement Project

GA approved initiation of the project, which was a major milestone and very good news for the duty station. Although initially only the start-up funding for 2018 was approved, we have the green light to start working on this project, and to return to the GA in late 2018 with a progress report and request to proceed further into 2019 and beyond. In 2018 UNON can therefore hire a small team and start preparing for design of a new building as well as a pilot of flexible working arrangements in all remaining blocks:

1. Funding approved (approximately \$500,000) for 2018 to hire two resources and prepare to tender for an architectural firm to start design of the new building, and plan for a flexible workspace pilot project;
2. Better utilization of all existing office space in NOF and Blocks M-X through flexible workspace strategies is a requirement;
3. Total project cost of \$70 million and seven year scope not yet approved, and progress reports required to GA each year to obtain approval to proceed for next year (next progress report October 2018);
4. GA requests a refinement of the proposal in the next progress report;
5. Earliest date for swing space and demolition 2020/21