



## **Triple Bottom Line Reporting – Greening of Government Operations**

SAPOL continues to work towards a more sustainable future through developing environmental standards and implementing environmental initiatives such as passive design measures, waste management, energy management (including solar energy) and water harvesting.

SAPOL is investigating cost-effective opportunities to improve energy efficiency, reduce greenhouse gas emissions and minimise energy costs associated with the operation of buildings. All accommodation projects pursue Ecologically Sustainable Development (ESD) initiatives.

Asbestos reduction and management continues to be an important activity for SAPOL, noting all sites have Asbestos management plans and where required annual inspections in place.

SAPOL remains committed to improvements in waste reduction and effective waste management measures for its major metropolitan police sites, this includes staff training.

### **2022-23 Activity**

- Commenced delivery of a program of solar and battery installation rollout across the SAPOL portfolio with funding from the Department for Energy and Mining's Government Building Efficiency Fund.
- Included ESD initiatives in new construction of the APY Lands Umuwa Multi Agency facility:
  - Tendering contractors were requested to provide innovation in the design and construction relating, alternative energy systems, water usage/storage system and building materials, including facade and roof technologies.
  - Energy efficient LED Interior lighting connected to movement sensor to minimise wasteful usage.
  - Mechanical services provided with timers to prevent unwanted operation after-hours.
  - Mechanical services plant specified with low pollutant GWP refrigerants.
  - External door positioning to promote passive ventilation within the building to minimise electrical air cooling demand.
  - Recycled outdoor furniture.
  - Water sensitive design features - Soaking pits and drought tolerant landscaping and large roof overhangs married with deep surrounding verandahs increases roof catchment area and ability to optimize future rain water harvesting.
  - Double skinned roof with upper 'shading' roof takes the majority of the solar load with venting to ridge and eaves drawing in cooler surrounding air.
  - Modular off site construction of main structures to reduce remote site travel journeys and frequency.
- Included ESD initiatives in various accommodation projects, including LED lighting and Electric Vehicle charging infrastructure.
- Planning for a further three APY Lands Police Post sites at Fregon, Pipalyatjara and Indulkana to include similar initiatives as per the Umuwa Multi Agency Facility, with construction to commence in 2023-24.

Service

Integrity

Leadership

Collaboration

Courage

Respect



## Motor Vehicles

SAPOL has around 1165 general duties and administrative fleet vehicles that travelled approximately 30 million kilometres during 2022-23.

SAPOL continually assess the composition of the fleet to reduce the environmental impact and have continued replacing six cylinder vehicles with four cylinder and hybrid vehicles where appropriate.

During 2022-23, SAPOL held 813 four cylinder vehicles representing 70% of the total General Duties and Administrative Fleet, noting it is a 16% increase on 2021-22 and a 70% increase since 2019-20 (four year period).

The introduction of hybrid vehicles has further reduced SAPOL's environmental impact in addition to five electric vehicles situated at Police Headquarters within its fleet.

There are 647 vehicles (up 11.74% on previous year) in the SAPOL fleet that utilise diesel fuel and 180 Hybrid vehicles (up 25.87% on previous year). The below table details a number of key sustainability ratios for General Duties and administrative fleet vehicles:

Total General Duties and Administrative Fleet	% LPG	% Diesel	% Hybrid	% Electric	ULP
1165	-	647	180	5	333
	-	55.5%	15.5%	0.4%	28.6%

## Built Asset Portfolio / Facilities

ESD initiatives are being considered in all accommodation project works being undertaken in SAPOL and project designs as far as practicable addressing the prescribed criteria contained in the Department for Infrastructure and Transport (DIT) ESD Guide Note for Planning Design and Delivery.

SAPOL utilise the DIT Green fit out guide and the principles of ESD as a tool when negotiating with building owners in regards to utilisation of occupied space within a leased facility.

SAPOL incorporates the overarching ESD objectives; reduce energy, conserve water, reduce waste, reduce pollution, improve indoor environmental quality (IEQ), reduce operating costs for facilities in line with ISO 55001. Accommodation projects pursue ESD initiatives incorporating:

- Use of recycled or recyclable materials for construction and fit out where viable.
- Harvesting of rain water for reuse in landscaping watering systems or building systems where potable water is not required.
- Installation of solar panels and consideration of batteries.
- Replacement of light fittings with energy efficient LED systems.
- Installation of energy efficient supplementary air-conditioning systems for afterhours use.
- Design of passive cooling systems such as sun shade louvres and natural ventilation where possible.

## Future SAPOL Environmental Initiatives

### 2023-24 Activity

- Commencing construction of a further three APY Lands Police Post sites at Fregon, Pipalyatjara and Indulkana to include similar initiatives as per the Umuwa Multi Agency Facility above.
- SAPOL's 2023-24 capital program includes works for a portfolio initiative to finalise roll out of new Solar Panel / Battery systems across 42 SAPOL sites, in line with our commitment to pursuing environmental sustainability across SAPOL's infrastructure and to provide emergency power for unplanned power outages.



- Accommodation works to fit out new premises for SAPOL service areas in Elizabeth and above the current Hindley St Police Station will incorporate a range of ESD initiatives including:
  - LED lighting.
  - Motion sensors to increase energy efficiencies across the fit-out.
  - Bike racks provided to support green modes of travel (GF).
  - Reduce operational water consumption through measures such as Water efficient fixtures.
  - Consideration to reduce harmful chemicals, use long life/recycled materials where possible and choosing materials/suppliers that have sustainability considerations at the forefront of their business, including:
    - PVC free backings, sustainability, and recyclable programs in place.
    - Acoustic linings green tag certified, 100% PET (60% post-consumer recycled).

