M7M12 Integration Project

Sustainability Annual Report
August 2023

Document Details

Project Number	7045
Document Number	M712UDC-JHGRP-M7A-SB-RPT-000003

Revision Record

Rev	Rev Date	Prepared by	Reviewed by	Approved by
A	31/8/23			

Distribution

WSO Co / TfNSW	
Name	Role
	WSO Co
	TfNSW

D&C Independent Certifier	
Name	Role
	Independent Certifier

John Holland Senior Leadership Team	
	Project Director
	Construction Director
	People and Culture Director
	WHS Director
	Design Director
	Commercial Director
	Environmental and Sustainability Manager
	Senior Communications Community and Stakeholder Relations Manager
	Traffic Manager
	Operational Support Manager

Table of Contents

1. Executive Summary

1.1. General Overview

The M7-M12 Integration Project is continuing to establish and implement sustainability management procedures and processes across all relevant disciplines, whilst working with the rest of the team to ensure our targets and obligations are met.

John Holland has increased its resourcing, engaging a Sustainability Manager, supported by Sustainability coordinator. The sustainability managers extensive experience in technical lead roles, standards and materials innovations will prove highly valuable in implementing innovations.

Beyond early engagement with various discipline leads and teams, the Project has continued to engage with both design and construction teams. Workshops for design requirements and site offices were held on 25th August. The climate change risk assessment workshop occurred on the 16th August 2023 with a report being sent on the 28th August 2023 to the wider project team.

Sustainability management plans have all been approved by the Project, WSO co, TfNSW and the IC. The team has set up and conducted sustainability client meetings. The M7M12 Sustainability policy was also signed into effect on the 21st August 2023.

The team have continued to engage with high impact suppliers and the procurement team, particularly regarding concrete and asphalt innovations and opportunities. The project is also investigating and pursuing multiple Australian firsts and intends to involve the Client in these innovations during regular client meetings.

The project underwent its first ISCA v1.2 compliance review on 12th July 2023 with a follow up review, with findings being entered into Soteria for tracking and actioning. The project is also engaged in regular meetings with ISC and has progressed the ratings agreement to the final review stages before signoff.

The project is also developing a sustainability assurance framework where the monthly reports can be updated to demonstrate progress on our SWTC and ISCA v1.2 requirements. An example of the framework is below.

These developments provide have allowed for the project to continue progress across its sustainability targets ahead and during of construction commencement.

2. Sustainability Management

2.1. Sustainability Management Plan

The project sustainability policy fully aligning with ISC requirements was signed by senior project staff on the 21/8/23 is now publicly available as part of wider John Holland environment and sustainability disclosures (Environmental & sustainability disclosures - John Holland) and as per the requirements of Man-1.

The project Sustainability Management Plan and associated sub-plans have now all been approved. Sustainability related management plans have incorporated revisions based off TfNSW and WSO Co comments.

Relevant documents include:

- Sustainability Management Plan: Plan approved on 24/8/23
- Infrastructure Sustainability Rating Management Plan: Plan approved on 25/8/23
- Energy Efficiency & GHG Emissions Strategy Management Sub-plan: Plan approved on 15/8/23

2.2. Performance against objectives and targets

As the Project has not yet commenced construction there is no significant data to report on for the targets set out in Table D.5-2. A draft sustainability assurance framework has been developed and has been reviewed by senior sustainability advisors at John Holland. The below details some points on how the team are working together to ensure the targets and objectives will be met.

1. Biodiesel is currently being used on the project with approximately 3000 L used to date.

2. Design drawings are being reviewed to ensure certain targets are incorporated such as the minimum percentage of cement replacement material, measured by mass, used in concrete during the construction stage.
3. Meeting with suppliers to ensure there is capacity for diverting construction and demolition waste from landfill.
4. Working with the commercial team to ensure all construction stage grid electricity will be Greenpower.
5. Working with the construction team so that the main site compound (AF9) will include rainwater tanks, electric vehicle charging stations, solar power etc.
6. LEDs and other low operational energy considerations are being incorporated into design.
7. Working with suppliers such as Kennard's and Coates on providing greener equipment supply options

2.3. Status of Infrastructure Sustainability Rating

The project has been engaging with ISC and has organized regular catchups, with the first meeting occurring on the 11th August and another occurring on the 30th August. An IS pathway has been developed as well as a draft weightings assessment and base case assumptions. These documents are being reviewed and optimized regularly. The project has engaged an experienced ecologist to provide advice on increasing available points for ecology (Eco-1 and Eco-2) and advise on stretch targets for these credits.

The Rating Agreement has been received from ISC on the 21/8/23 and is currently being reviewed by the John Holland commercial team. Dates for a ISC kick off workshop are being discussed with ISC. Reviews of ISC ruling registers and Technical Clarifications are being conducted to ensure the project sustainability assurance framework aligns with the latest requirements of the ISC manual.

3. Initiatives, Innovations and Design

The project is continuing to explore potential initiatives and innovations, which are being recorded in the initiatives and innovations register, this register was supplied to WSO co for review. The project has added further potential Australian first innovations to those already under investigation, with the team further assessing their feasibility and suitability for the project in collaboration with various suppliers. For example, the team is working with Fulton Hogan on incorporating recycled crushed solar panels as a crushed glass in asphalt. These initiatives will be further discussed with the design and construction teams as well as the client at an innovations/design workshop on the 22/9/23 and regular meetings with the client, to ensure stakeholder buy-in and feasible implementation.

A Sustainability in design Workshop was held on 25/8/23 with the John Holland design team to follow up on ISC and other project sustainability requirements as well as good practice for their integration into the design process (which will also assist with ISC submission evidence). Based off presented information, specific targets around materials and energy use were discussed in further detail, with subsequent further input into relevant design packages including pavement, bridges and lighting. This process is ongoing.

The team is also exploring the use of Solar PV noise wall which would be an Australian first. The noise wall would function as intended but also allow the client to generate electricity reducing operation energy consumption and costs. The team is working with the supplier in developing costs and ROI estimations and plans on reviewing these with the design team when ready,

Additional sessions were undertaken with the construction team around setup of the ancillary facilities, particularly for the main project offices at AF9, these sessions are a regular occurrence with continued correspondence. The team is investigating the use of solar PV, as well as feasibility of EV charging. This session also covered multiple additional requirements and initiatives for site compounds which will facilitate meeting SWTC targets, as well as the IS rating. The team is also reviewing the use of electric vehicles during the construction phase of the project.

4. Sustainable Procurement

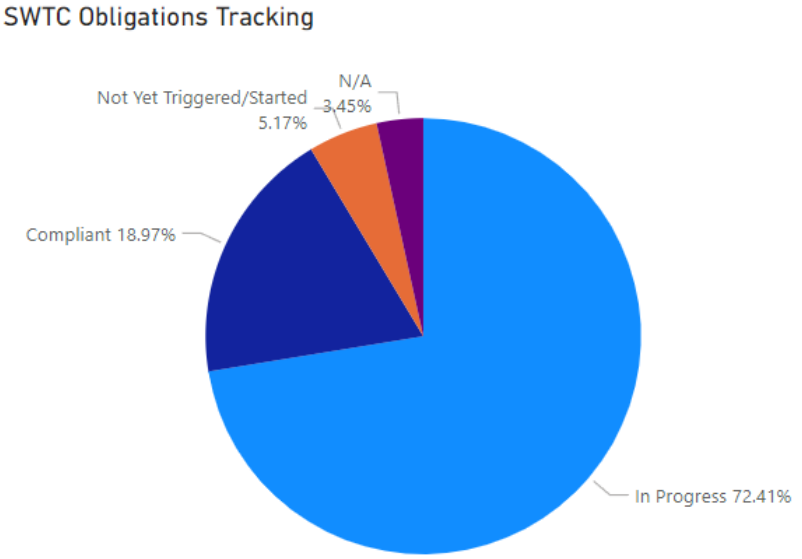
The team are continuing to work closely with the procurement team to meet contract targets, as well as explore opportunities for collaboration and innovation with suppliers. The team have recently revised the subcontractor pack provided to tender participants to better engage with potential suppliers at an earlier stage and provide greater clarity around project targets and sustainability opportunities. The sustainability team is reviewing subcontractor questionnaires and assigning scores on subcontractors' responses to the project's sustainability requirements.

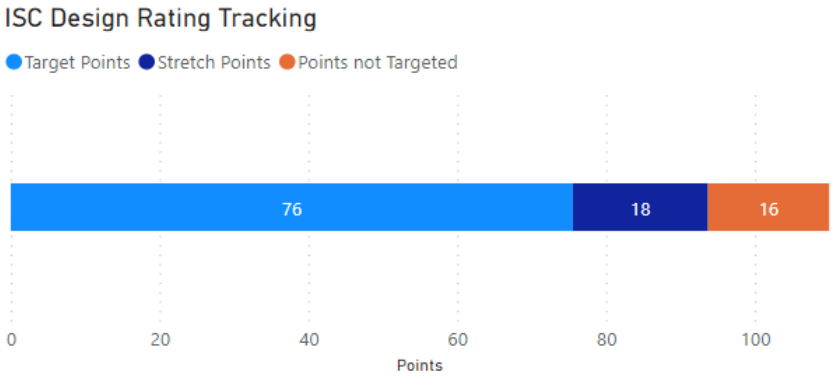
The team have also continued to engage with high impact suppliers, particularly for the project's concrete and asphalt supply. This ongoing engagement will ensure that the project is able to meet its sustainability targets, as well as ensure that any potential innovation opportunities in this space are explored.

All subcontract packages and questionnaires including a question regarding modern slavery. This question is "Does your organisation have an Anti-Modern Slavery Policy and/or Statement in place and does your organisation assess and manage Modern Slavery risks and impacts in its supply chain specifically? Please provide examples" This answer to this question along with other sustainability-based question is used to score the subcontractor and how will they conform with the requirements.

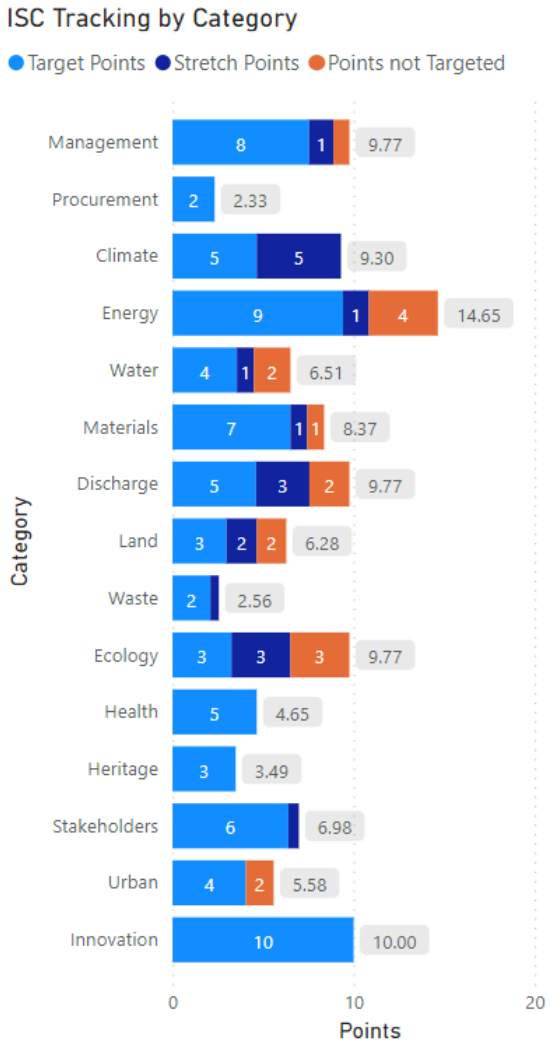
5. Sustainable Data

5.1. SWTC Compliance and ISC Scorecard Projections





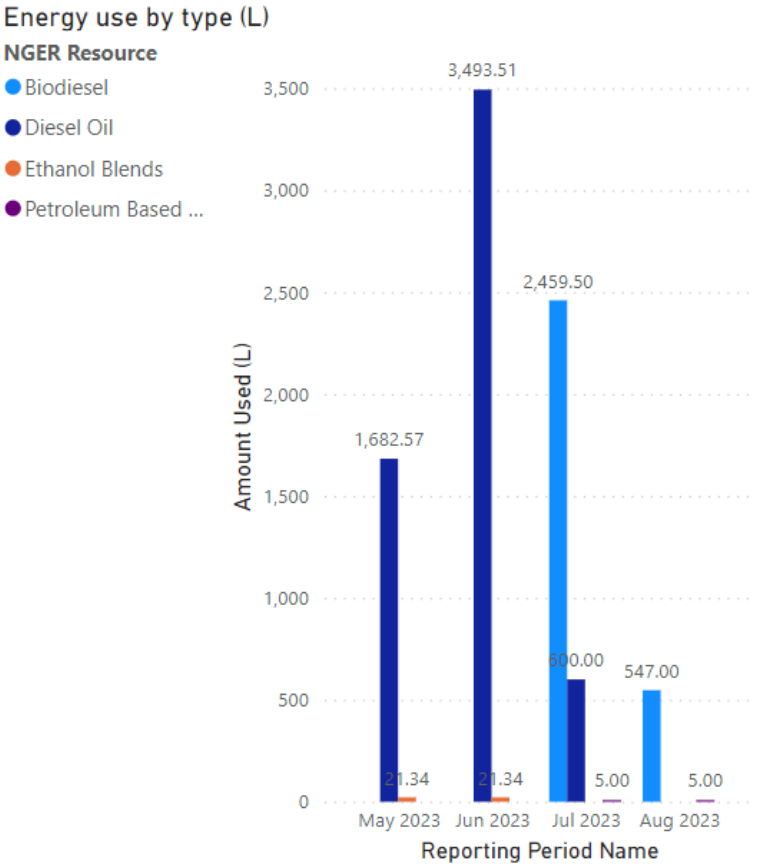
Credit	Status	Comment
Man-1	In Progress	
Man-2	In Progress	
Man-3	In Progress	
Man-4	In Progress	
Man-5	In Progress	
Man-6	In Progress	
Man-7	In Progress	
Pro-1	In Progress	
Pro-2	In Progress	
Pro-3	In Progress	
Pro-4	In Progress	
Cli-1	In Progress	
Cli-2	In Progress	
Ene-1	In Progress	
Ene-2	In Progress	
Wat-1	In Progress	
Wat-2	In Progress	
Mat-1	In Progress	
Mat-2	In Progress	
Dis-1	In Progress	
Dis-2	In Progress	
Dis-3	In Progress	
Dis-4	In Progress	
Dis-5	In Progress	
Lan-1	In Progress	
Lan-2	In Progress	
Lan-3	In Progress	
Lan-4	In Progress	
Was-1	In Progress	
Was-2	In Progress	
Was-3	In Progress	
Eco-1	In Progress	
Eco-2	In Progress	
Hea-1	In Progress	
Hea-2	In Progress	
Her-1	In Progress	
Her-2	In Progress	
Sta-1	In Progress	
Sta-2	In Progress	
Sta-3	In Progress	
Sta-4	In Progress	
Urb-1	In Progress	
Urb-2	In Progress	
Inn-1	In Progress	

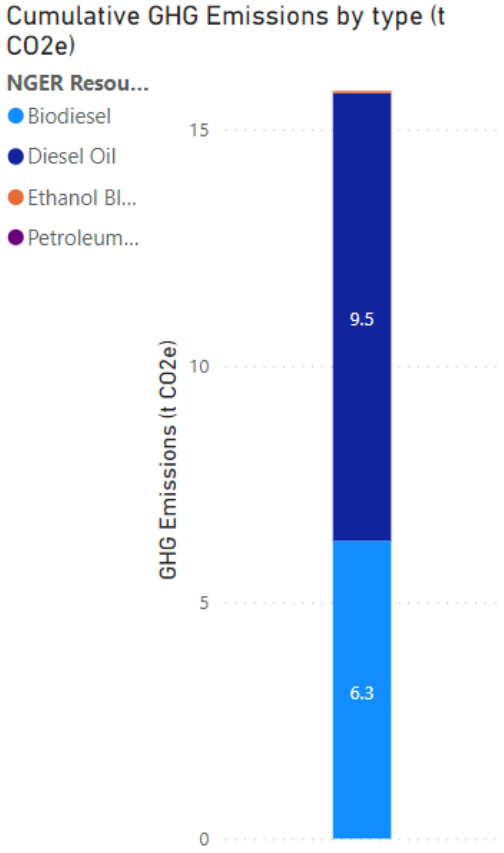


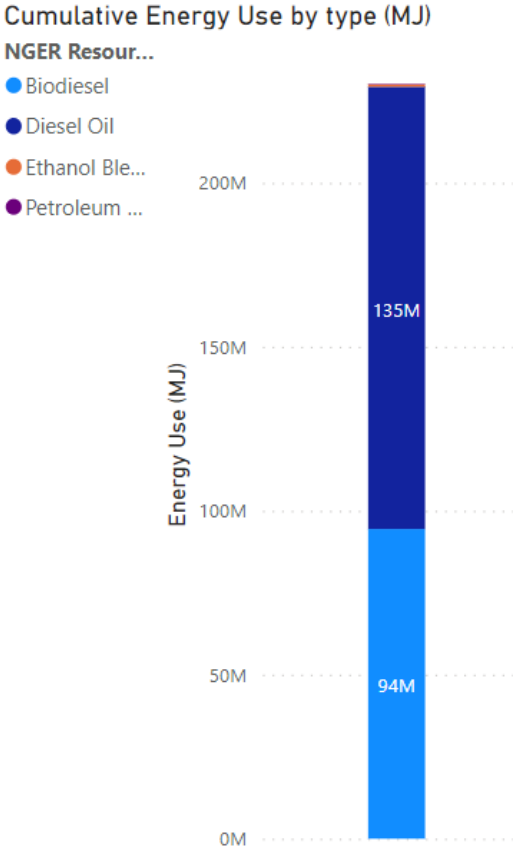
5.2. Progress against Sustainability Targets

See above

5.3. Energy & Emissions

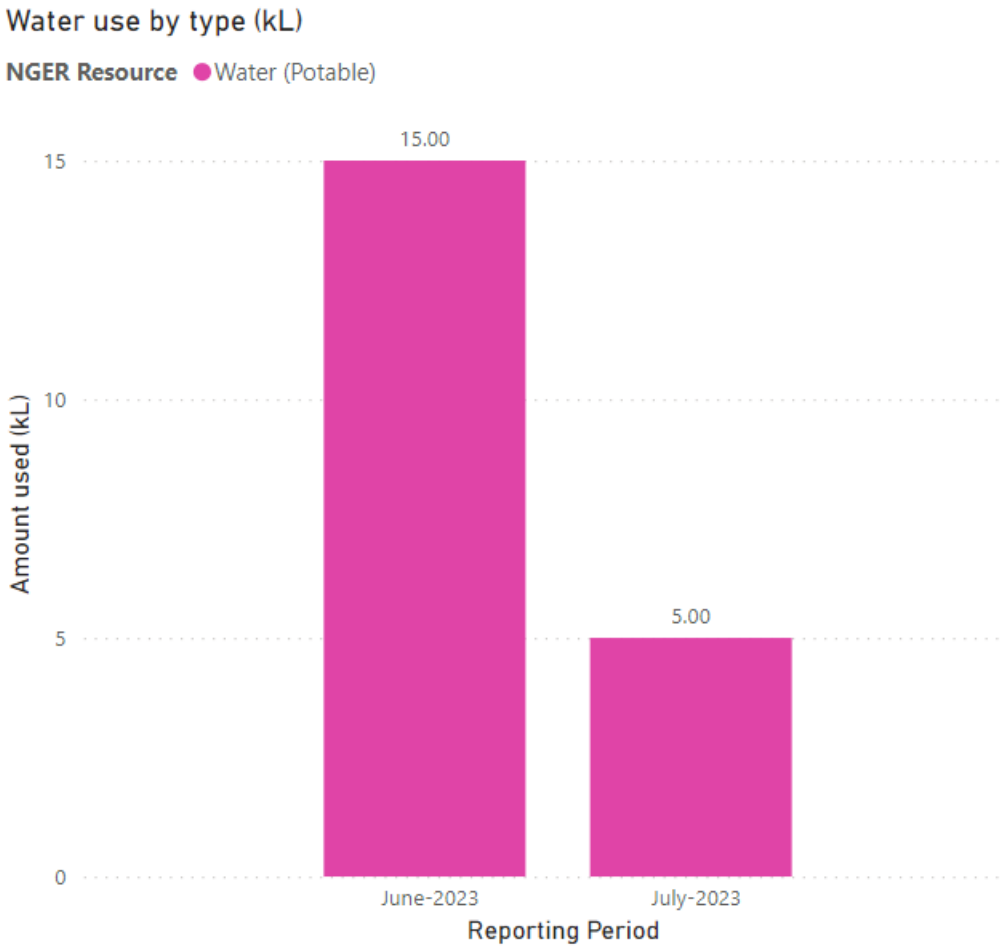




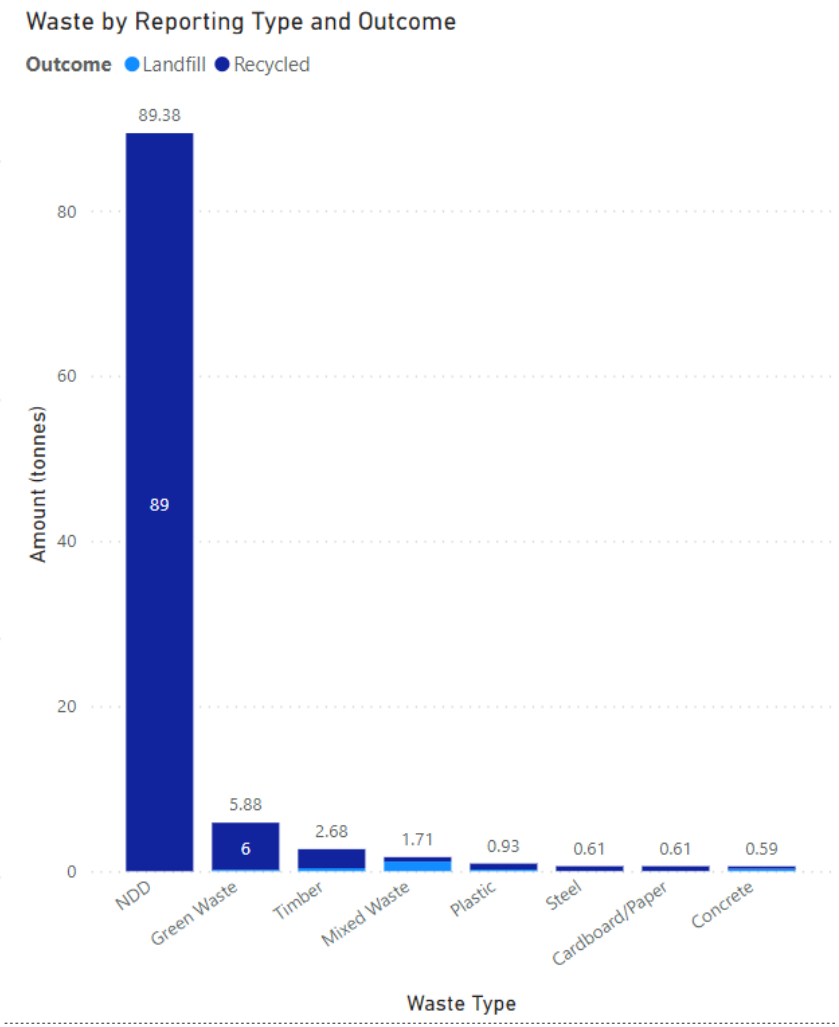


.

5.4. Water



5.5. Waste



5.6. Materials