

Procurement and Environment Forum

Electric Vehicles and Hydrogen Technology

Forum Part 1 - Electric Vehicles

Thursday, 31 March 2022

11:00am to 12:30pm

Forum Part 2 - Hydrogen Technology

Wednesday, 13 April 2022

11:00am to 12:30pm

PROGRAM – Forum Part 1: Electric Vehicles

11:00am **Welcome and Introduction**
Melanie Davies, Biodiversity and Sustainability Project Officer, WALGA

11:05am **WA's EV fast charging network**
Dion Paunich, General Manager Generation, Synergy

Together with Horizon Power, Synergy is installing an EV fast charging network as part of the State Government's EV Strategy. Work is underway to install a network of EV chargers at sites approximately 200km apart on State and National highways, with the network expected to be fully operational by 2024.

This presentation will discuss project delivery and on ground operations, including stakeholder engagement, identification of appropriate locations for charging stations, network augmentation, and customer safety and security.

11:20am **Accelerating positive change: EV charging in south-west metropolitan Perth**
Tom Griffiths, Director, South West Group

The South West Group is a longstanding alliance of six Local Governments in the South West Metropolitan Region of Western Australia. A project is underway to deliver an innovative and cohesive EV charging infrastructure network across the south west region by 2030. The project aims to support achievement of the State's EV Strategy.

This presentation will outline how the scope of work gives consideration to private passenger vehicles, Local Government fleet vehicles, innovative projects and partnerships, policy considerations, private sector providers, electricity network considerations and business model options for member Local Governments.

11:35am **Local Government procurement considerations for EV charging infrastructure**
Tania Narkevich, Procurement Specialist, WALGA

This presentation will provide information on procurement related considerations that Local Governments should consider when installing EV charging infrastructure, and when reviewing contractual proposals from charging station providers.

11:50am Innovation and technological developments in the EV market
Steve Senior, State Fleet Manager, Mitsubishi Motors Australia

Electric vehicle technology is rapidly developing, with Mitsubishi at the forefront of electric and hybrid vehicle innovation. This presentation will discuss improvements in vehicle battery life and driving range, the ability of EVs to provide bi-directional energy flow, and improvements the range of models and local availability in WA.

12:00pm WALGA support for the Local Government transition to EVs
James McGovern, Manager Governance and Procurement
Dale Ballantyne, Contract Manager Commercial
Melanie Davies, Biodiversity and Sustainability Project Officer

WALGA is progressing with a range of initiatives to support the Local Government transition to electric vehicles. This presentation will provide an update on funding opportunities, governance considerations, developments with the Preferred Supplier Program and aggregated pricing opportunities.

12:10pm Panel Q&A session
Morning's presenters

12:30pm Close

PROGRAM – Forum Part 2: Hydrogen Technology

11:00am Welcome and Introduction
Melanie Davies, Biodiversity and Sustainability Project Officer, WALGA

11:05am Green hydrogen feasibility study: logistical and economic considerations
Chris Beaton, Head of Sustainability and Environment, City of Cockburn

The City of Cockburn, in conjunction with the Department of Jobs, Tourism, Science and Innovation (JTSI) is investigating the feasibility of developing the Henderson Waste Recovery Park into a renewable energy park through the installation of on-site renewable power and production of green hydrogen. The aim of the project is to economically displace the City of Cockburn's fossil fuel use with green hydrogen produced on site. This presentation will provide an overview of the project objectives and provide insights on the role of Local Government in hydrogen production.

11:25am Application of hydrogen technology for Local Government
David Cavanagh, Managing Director, Hydrogen West

Renewable hydrogen is an emerging technology that will play an important role in our State's future energy mix. There are a number of generation facilities in development in Western Australia together with a plan for a state-wide hydrogen refuelling network, which will unlock the potential for hydrogen fuel cell vehicles.

This presentation will provide information on the green hydrogen generation process, development of the refuelling network, potential application of hydrogen fuel cell heavy vehicles for Local Government, and hydrogen safety standards will be provided. The typical scope of a hydrogen generation feasibility study will also be outlined.

11:45am The WA Hydrogen Clusters

*Karin Wittwer, Energy Efficiency Project Officer, City of Mandurah and
Melissa Tremlett, Strategy Implementation and Partnerships, National
Energy Resources Australia (NERA)*

The potential for the use of green hydrogen in carbon abatement is significant, however direct applications of hydrogen are currently limited. The WA Hydrogen Cluster network seeks to help kick-start local industry through collaboration on research and projects.

This presentation will provide an overview of NERA's national network of regional hydrogen technology clusters and the role that various local Governments are playing. Areas of specific focus amongst the five Western Australian Hydrogen Clusters will be showcased. The Perth and Peel Hydrogen Cluster will provide an overview of the projects they are delivering.

12:05pm Panel Q&A session

12:30pm Close