



REPORT TO: CITY MANAGER

TO BE REFERRED BY THE OFFICIAL TO MAYCO VIA THE RELEVANT CORPORATE SERVICES, URBAN MOBILITY AND ENERGY SECTION 79 COMMITTEE [AFTER CONSIDERATION BY CITY MANAGER]

1. ITEM NUMBER

2. SUBJECT

FEEDBACK ON THE INTERNATIONAL/OUTSIDE THE BORDERS OF THE RSA TRIP UNDERTAKEN FROM 14th SEPTEMBER 2024 TO 23rd SEPTEMBER 2024 TO ATTEND THE ELECTRIC VEHICLES STUDY TOUR IN DENMARK, NORWAY AND GERMANY.

ISIHLOKO

INGXELO ENGEMVA KOHAMBO OLUYA PHESHEYA/NGAPHANDLE KWEMIDA YERIPABHLIKI YOMZANTSI AFRIKA OLUSUSELA NGOWE14 KWEYOMSINTSI UKUYA KOWAMA23 KWEYOMSINTSI 2024 LOKUZIMASA UTYELELO LOKUFUNDA NGEZITHUTHI ZOMBANE EDENMARK, NORWAY NASEGERMANY

ONDERWERP

TERUGVOERING OOR DIE INTERNASIONALE REIS/BUITE DIE GRENSE VAN RSA VAN 14 TOT 23 SEPTEMBER 2024 ONDERNEEM OM DIE STUDIETOER OOR ELEKTRIESE VOERTUIG IN DENEMARKE, NOORWEE EN DUITSLAND BY TE WOON

R1114

3. EVENT SUMMARY

EVENT DETAILS	
CONFERENCE/SEMINAR	Electric Vehicles Study Tour
OTHER	<p>The City of Cape Town has developed an Energy Strategy which has set a target for carbon neutrality by 2050. This means that the City of Cape Town will have to transition its vehicle fleet from internal combustion engine (ICE) to electric by 2050 and provide renewable energy for EV charging. The electric vehicle market in South Africa is still nascent and the City of Cape Town is unable to benchmark EV policy, regulations and procurement specifications with local cities. Therefore, a motivation was made to travel on an EV study tour to Europe to set up partnerships between European cities in established EV markets and the City of Cape Town. The aim of the EV Study Tour is to learn municipal best practice with regards to the procurement, implementation and management of electric vehicle fleets in the municipal context. In addition, learnings around the investment required in renewable energy and grid capacity expansion to accommodate for a fully electrified vehicle fleet by 2050 is required, including the MyCiTi bus fleet.</p>
DATE	14th September 2024 to 23rd September 2024
VENUE	Copenhagen (Denmark), Oslo (Norway) and Berlin (Germany)
TOTAL COST TO THE CITY	R390 981.25
CITY	Copenhagen, Oslo and Berlin
COUNTRY	DENMARK, NORWAY AND GERMANY

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
Dalene Campbell	Executive Director: Urban Mobility
Kadri Nassiep	Executive Director: Energy
Yusra Ebrahim	Manager: Fleet Management Services

PROVIDE SUMMARY OF HOST ORGANISATION / CITY
<p><i>The International Cleantech Network (ICN) is an independent non-profit organisation for the world's leading cleantech cluster organisations. Our purpose is to build a strong global platform that enables project collaboration, internationalization, and the acceleration of clean technologies to support the sustainable transition. The ICN does this by connecting cleantech clusters from around the world, facilitating cross-border cooperation, capacity building and knowledge sharing for clusters, and access to global cleantech ecosystems.</i></p> <p><i>GreenCape is a South African cleantech cluster that is based in Cape Town. They are working closely with the City of Cape Town on a project to electrify the municipal vehicle fleet. As part of this project the City of Cape Town would like to benchmark its electric vehicle procurement and infrastructure planning policies and regulations with cities in Europe that have rolled out electric municipal vehicles.</i></p> <p><i>A municipal best practice electric vehicles study tour has been designed with visits to Copenhagen (Denmark), Oslo (Norway) and Berlin (Germany) to share learnings between these European cities and the City of Cape Town. This EV study tour was facilitated by GreenCape which is a cleantech cluster member of the ICN.</i></p>

4. OBJECTIVE

The City of Cape Town has developed an energy strategy which has set a target for carbon neutrality by 2050. This means that the City of Cape Town will have to transition its vehicle fleet from internal combustion engine (ICE) to electric by 2050 and provide renewable energy for EV charging.

The electric vehicle market in south africa is still nascent and the City of Cape Town is unable to benchmark EV policy, regulations and procurement specifications with local cities. Therefore, a motivation was made to travel on an EV study tour to Europe to set up partnerships between European cities in established EV markets and the City of Cape Town.

The aim of the EV study tour is to learn municipal best practice with regards to the procurement, implementation and management of electric vehicle fleets in the municipal context. In addition, learnings around the investment required in renewable energy and grid capacity expansion to accommodate for a fully electrified vehicle fleet by 2050 is required.

5. OUTCOMES

The establishment of partnerships between the City of Copenhagen, City of Oslo, City of Berlin and the German Federal Government to exchange knowledge on their EV transition experiences with the City of Cape Town. These cities will provide policy, regulation and standards support as the City of Cape Town embarks on creating its own EV policies, regulations and standards based on global best practice. In

own EV policies, regulations and standards based on global best practice. In particular, these cities have agreed to guide the City of Cape Town with regards to technical information and implementation guidelines for electric municipal vehicles. They will also offer guidance around the development of EV charging infrastructure on public land, how to incorporate the private sector in this process and insights around electricity distribution grid upgrades.

Meeting 1: Copenhagen, Denmark

Date	16 September 2024
Time	10:00 AM to 11AM
Location	Njalsgade 13, 2300 Copenhagen S, Copenhagen, Denmark
Organisation	City of Copenhagen
Organisation details	Department for Vehicles and Equipment in the Technical and Environmental Administration, https://international.kk.dk/kontaktoversigt/about-copenhagen/administrations/the-technical-and-environmental-administration
Contact names and roles	Josephine Anna Thoren Basthof UQ7G@kk.dk
Topic of the engagement	Electrification of Municipal Vehicle Fleets: Opportunities & Barriers
Agenda Points	The roll-out of municipal vehicles, charging infrastructure, procurement And innovation processes involved in the City of Copenhagen's EV Transition.
Our expectations from this meeting	<ul style="list-style-type: none"> Benchmarking municipal EV procurement and charging infrastructure development in Copenhagen with the City of Cape Town. Municipal best practice learning with regards to the procurement and deployment of electric vehicles in the municipal context
Outcomes	<ul style="list-style-type: none"> Establishing a City to City partnership between Cape Town and Copenhagen to share municipal best practice with regards to EV procurement and deployment in the municipal context. Benchmarking technical EV and charger specifications to aid public procurement in the City of Cape Town. Establishing that the bus fleets are owned by the different companies operating on a contract with the Municipality.

Meeting 2: Copenhagen, Denmark

Date	16 September 2024
Time	11:30 AM to 12:30 PM
Location	Bloxhub Copenhagen, Bryghusgade 8, 3, 1473, 1473 København K, Denmark
Organisation	C40 Cities
Organisation details	C40 is a global network of mayors of the world's leading cities that are united in action to confront the climate crisis. https://www.c40.org/
Contact names and roles	Bianca Russo, brusso@c40.org Amélia Maradas, amaradas@c40.org
Topic of the engagement	Trends in the electrification of vehicle fleets in C40 Cities
Agenda points	Investigate possible partnerships with the C40 Cities Network to assist the City of Cape Town in its transition to electric vehicles Presentation on C40's work on business engagement and electrification

	in cities, along with an overview of global best practices
Our expectations from this meeting	<ul style="list-style-type: none"> • Learning about the role of the C40 Cities Network in assisting cities to transition their vehicle fleets to electric. • Global cities in the C40 cities network with regards to municipal EV best practice
Outcomes	<ul style="list-style-type: none"> • Establishing partnerships with the C40 Cities Network and the City of Cape Town to aid their transition to renewable energy and electric vehicles. • Understanding if there are future funding opportunities that the City of Cape Town could benefit from.

Meeting 3: Copenhagen, Denmark

Date	16 September 2024
Time	14:00 PM to 15:00 PM
Location	Rådhuspladsen 59, 4. floor 1550 Copenhagen V, Denmark
Organisation	International Cleantech Network
Organisation details	<p>The International Cleantech Network (ICN) is an exclusive network of cleantech clusters in the world's leading cleantech regions, aiming to generate new business opportunities, enhance competitive advantages and create value for companies, knowledge institutions, and local authorities across cluster regions.</p> <p>https://internationalcleantechnetwork.com/</p>
Contact names and roles	<p>Ben Jorgensen, bej@cleanccluster.dk</p> <p>Joan Juul, joj@cleanccluster.dk</p>
Topic of the engagement	Presentation on the ICN and opportunities for collaboration around a Global Innovation Challenge
Agenda points	How the International Cleantech Network to assist the City with the transition of its municipal vehicle fleet to electric
Our expectations from this meeting	Understanding the role of the International Cleantech Network and potential opportunities for the City of Cape Town
Outcomes	Building a relationship with the ICN to assist with innovation challenges and feasibility studies on the renewable energy and electric vehicle transition in Cape Town

Meeting 4: Oslo, Norway

Date	17 September 2024
Time	11:30 AM to 1:00PM
Location	Oslo City Hall, Rådhusplassen 1, 0037 Oslo, Norway
Organisation	City of Oslo
Organisation details	<p>City of Oslo E-mobility department, responsible for the roll out of EV charging infrastructure in Oslo.</p> <p>https://www.oslo.kommune.no/english/street-transport-and-parking/charging-electric-vehicles/</p>
Contact names and roles	<p>Sture Portvik, Project Leader E-Mobility at the City of Oslo sture.portvik@bym.oslo.kommune.no</p> <p>Sara Teige Kalsås</p>

	sara.kalsas@bym.oslo.kommune.no
Topic of the engagement	Developing EV charging infrastructure in cities
Agenda points	Benchmarking EV charging infrastructure investments in Oslo with Cape Town Presentation on EV charging infrastructure development in Oslo and site visits
Our expectations from this meeting	<ul style="list-style-type: none"> • Benchmarking municipal EV charger procurement and charging infrastructure development in Oslo with the City of Cape Town. • Municipal best practice learning with regards to the procurement and deployment of EV charging infrastructure in the municipal context
Outcomes	<ul style="list-style-type: none"> • Establishing a City to City partnership between Cape Town and Oslo to share municipal best practice with regards to EV charger procurement and deployment in the municipal context. • Benchmarking technical EV charger specifications to aid public procurement in the City of Cape Town • Benchmarking the use of remote (street level) charging of vehicles while loading and unloading passengers.

Meeting 5: Oslo, Norway

Date	17 September 2024
Time	14:00 PM to 15:00 PM
Location	Grensesvingen 6, 0663 Oslo, Norway
Organisation	City of Oslo
Organisation details	City of Oslo Agency for Improvement and Development Procurement Department http://www.oslo.kommune.no/english
Contact names and roles	Mabel Christine Fines Wannebo mabel.wannebo@uke.oslo.kommune.no Karl Martin Olof Hellström karl.martin.hellstrom@uke.oslo.kommune.no
Topic of the engagement	Benchmarking municipal EV procurement with the City of Oslo
Agenda points	Presentation on the City of Oslo's EV procurement process
Our expectations from this meeting	<ul style="list-style-type: none"> • Benchmarking municipal EV procurement and charging infrastructure development in Oslo with the City of Cape Town. • Municipal best practice learning with regards to the procurement and deployment of electric vehicles in the municipal context
Outcomes	<ul style="list-style-type: none"> • Establishing a City to City partnership between Cape Town and Oslo to share municipal best practice with regards to EV procurement and deployment in the municipal context. • Benchmarking technical EV and charger specifications to aid public procurement in the City of Cape Town.

Meeting 6: Oslo, Norway

Date	17 September 2024
Time	15:30 – 17:00
Location	Møllergata 16, Oslo
Organisation	Norwegian EV Association
Organisation details	<p>We represent over 120 000 electric car owners in Norway. We cooperate with the Norwegian government, the electric car industry, and other organizations. We also promote Norway as a best case for electric vehicles policy to Europe and the rest of the world.</p> <p>We believe electric vehicles are the best alternative for personal transport when it comes to the local environment, climate, energy efficiency and economy.</p> <p>https://elbil.no/english/about-norwegian-ev-association/</p>
Contact names and roles	Sveinung Kvalø, sveinung@elbil.no
Topic of the engagement	The role of industry associations in developing enabling consumer side incentives for the electric vehicle transition and learnings for South Africa
Agenda points	<ul style="list-style-type: none"> • Presentation on the development of consumer side EV incentives in Norway and its impact on creating an enabling environment for EV uptake
Our expectations from this meeting	<ul style="list-style-type: none"> • Learning about the Norwegian EV Association's work in Africa and how the City of Cape Town can benefit from current research projects being undertaken
Outcomes	<ul style="list-style-type: none"> • How to utilise EV associations to supplement the mobility transition and catalyse consumer uptake

Meeting 7: Berlin, Germany

Date	18 September 2024
Time	15:00 – 16:30
Location	Anna-Louisa-Karsch-Str. 2, 10178 Berlin
Organisation	Agora Verkehrswende
Organisation details	<p>Agora Verkehrswende is a Berlin-based think tank that seeks to promote climate-friendly mobility. Non-partisan and non-profit, it works together with key stakeholders in the fields of politics, business, academia and civil society to decarbonise the transport system. To this end, the think-tank team develops evidence-based policy strategies and recommendations. Agora Verkehrswende was initiated in 2016 by Stiftung Mercator and the European Climate Foundation.</p> <p>https://www.agora-verkehrswende.de/en/</p>
Contact names and roles	Johannes Oetjen johannes.oetjen@agora-verkehrswende.de
Topic of the engagement	Presentation on German EV policy trends and electric bus pricing analysis
Agenda points	<ul style="list-style-type: none"> • Trends in electric vehicle policy and regulation development in Germany and the role of Agora
Our expectations from this meeting	<ul style="list-style-type: none"> • Learning about the role of Agora Verkehrswende in electric vehicle research and innovation and potential opportunities for

	the City of Cape to develop R&D and best practice partnerships
Outcomes	<ul style="list-style-type: none"> Developing a long term partnership with Agora-Verkehrswende to share global insights, trends and research on the global EV transition with learnings for the local municipal context.

Meeting 8: Berlin, Germany

Date	19 September 2024
Time	9:00 – 10:30
Location	Friedrich-Naumann-Stiftung, Reinhardtstraße 12, 10117 Berlin, Germany
Organisation	Friedrich Naumann Foundation for Freedom
Organisation details	<p>Based on the principles of liberalism, the Friedrich Naumann Foundation for Freedom offers political education in Germany and abroad. With our events and publications, we help people to become actively involved in political affairs. We support talented young students with scholarships. Since 2007, the addition "for freedom" has become an established part of our foundation's name. After all, freedom isn't exactly in trend these days. This makes it all the more important to campaign for freedom and to take on the responsibility that goes hand in hand with it. We have been doing this since our foundation on May 19th, 1958. Our headquarters is based in Potsdam, and we maintain offices throughout Germany and in over 60 countries around the world.</p> <p>https://www.freiheit.org/</p>
Contact names and roles	<p>Maximilian Reinhardt</p> <p>maximilianluz.reinhardt@freiheit.org</p> <p>Dr. Dirk Assmann, FNF Liberal Institute Researcher on urban innovation and infrastructure</p>
Topic of the engagement	Smart Mobility – Urban innovation & infrastructure
Agenda points	Smart mobility trends in Germany and learnings for the City of Cape Town
Our expectations from this meeting	<ul style="list-style-type: none"> Benchmarking global best practice in smart mobility
Outcomes	<ul style="list-style-type: none"> Knowledge sharing on innovations in smart mobility, that can be implemented locally

Meeting 9: Berlin, Germany

Date	19 September 2024
Time	10:45 – 12:00
Location	Berlin, Germany
Organisation	German Ministry of Transport
Organisation details	<p>https://bmdv.bund.de/EN/Home/home.html</p>
Contact names and roles	Nikolaus Oberkandler, Head of the Department for Electromobility and Charging Infrastructure
Topic of the engagement	Presentation from the department of electro mobility and charging infrastructure
Agenda points	<ul style="list-style-type: none"> Learnings from the German Ministry of Transport around the electric vehicle transition in Germany, development of regulations and enabling policy and best practice with regards to the role out of EV charging infrastructure.

Our expectations from this meeting	<ul style="list-style-type: none"> • Global benchmarking on EV policy and regulation
Outcomes	<ul style="list-style-type: none"> • Development of a partnership around sharing policy and regulation best practice with regards to EV policy and regulation and the rollout of charging infrastructure.

Meeting 10: Berlin, Germany

Date	19 September 2024
Time	13:30 – 15:00
Location	Berlin, Germany
Organisation	Energy Imports Plus – Circular approach to the EV transition
Organisation details	Energy Imports plus a presentation on BUS-Kit
Contact names and roles	<p>Maximilian Luz Reinhardt, FNF Liberal Institute Researcher on sustainability and the economy</p> <p>Lukas Yorck von Wartenburg Senior Consultant consulting4drive</p>
Topic of the engagement	Circular approach to the electric vehicle transition
Agenda points	<ul style="list-style-type: none"> • Using EV conversion kits to retrofit municipal ICE buses to electric and learnings for the City of Cape Town
Our expectations from this meeting	<ul style="list-style-type: none"> • Understanding if there is a business case for EV retrofitting for the City of Cape Town's public transport fleets
Outcomes	<ul style="list-style-type: none"> • Understanding if it is commercially viable to retrofit the City of Cape Town's ICE buses to electric.

Meeting 11: Berlin, Germany

Date	19 September 2024
Time	15:00– 17:00
Location	Berlin, Germany
Organisation	eMo Berlin
Organisation details	<p>We support Berlin's business community in transforming mobility by testing and disseminating climate-friendly and innovative mobility solutions. As an interface between business, science, and the public sector in the state of Berlin, we support the implementation of projects, network key players and provide information on electromobility and new mobility for Berlin and Brandenburg.</p> <p>https://www.emo-berlin.de/en/about-us</p>
Contact names and roles	tbc
Topic of the engagement	Sustainable Mobility Cluster Development in Berlin
Agenda points	<ul style="list-style-type: none"> • Development of potential partnerships in the sustainable mobility ecosystem
Our expectations from this meeting	<ul style="list-style-type: none"> • Learning about sustainable mobility cluster development in Berlin
Outcomes	<ul style="list-style-type: none"> • Drawing best practice on the development of a sustainable mobility cluster in Cape Town

Meeting 12: Berlin, Germany

Date	20 September 2024
Time	9:00 -10:30
Location	NOW GmbH, 4th Floor, Fasanenstraße 85, 10623 Berlin
Organisation	NOW GmbH
Organisation details	<p>A climate-neutral society is the goal. Innovative technologies and concepts are the way forward. We are working on this together as a team across programs and technologies on behalf of the German federal government. We evaluate, advise and steer. We promote and translate our knowledge at the interface of politics, industry and research. Commitment, sustainability and appreciation characterize our collaboration.</p> <p>https://www.now-gmbh.de/en/about-us/</p>
Contact names and roles	<p>Luisa Boll</p> <p>luisa.boll@now-gmbh.de</p>
Topic of the engagement	Transitioning cities to a net-zero mobility system
Agenda points	<ul style="list-style-type: none"> • Overview of EV development in Germany • National Centre for Charging Infrastructure • Clean Vehicles Directive • Commercial Fleets & Buses / Hydrogen for Municipalities
Our expectations from this meeting	<ul style="list-style-type: none"> • EV policy and regulation best practice benchmarking • Understanding the current business case for battery electric vehicles compared to hydrogen fuel cell vehicles
Outcomes	<ul style="list-style-type: none"> • Identifying market trends in technology, policy and regulation development in the global transition to net-zero mobility

Meeting 13: Berlin, Germany

Date	20 September 2024
Time	11:00 – 13:00
Location	Mitte Fire Station, Voltairestr. 2, 10179 Berlin.
Organisation	Berlin Fire Department
Organisation details	<p>Berlin Fire Department</p> <p>https://www.berlinfire.org/</p>
Contact names and roles	<p>Frank Pohland</p> <p>Frank.Pohland@berliner-feuerwehr.de</p>
Topic of the engagement	Deploying electric fire engines in the municipal context
Agenda points	<ul style="list-style-type: none"> • Berlin electric fire engine presentation and site visit
Our expectations from this meeting	<ul style="list-style-type: none"> • Municipal best practice with regards to electrifying fire engines
Outcomes	<ul style="list-style-type: none"> • Benchmarking electric fire engine pricing and specifications to aid

	public procurement in the City of Cape Town.
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Meeting 14: Berlin, Germany

Date	20 September 2024
Time	15:00 – 16:00
Location	EUREF-Campus 1-25, 10829 Berlin, Germany
Organisation	Euref Campus
Organisation details	<p>Since acquiring the property in 2008, EUREF AG has been developing the city district around the "Gasometer" (Gasholder) into a real-life laboratory for the shift to renewable energy.</p> <p>With an innovative community comprising business and science, a climate-neutral energy supply, an intelligent energy grid, energy-efficient buildings, a testing platform for future mobility and numerous research projects, daily proof is provided that the shift to renewable energy is doable and financially feasible.</p> <p>The city district continues to further expand its function as a forum and information hub by means of events in connection with the subjects of environmental protection and sustainability, guided Campus tours and company visits as well as informative projects such as the EUREF Energiewerkstatt.</p> <p>EUREF-Campus has been meeting the CO2 climate targets set by the Federal Government of Germany for the year 2045 since 2014.</p> <p>https://euref.de/en/welcome/</p>
Contact names and roles	Not Applicable
Topic of the engagement	Innovations in the development of net-zero mobility technology
Agenda points	<ul style="list-style-type: none"> Benchmarking R&D innovation in net-zero mobility technology
Our expectations from this meeting	<ul style="list-style-type: none"> Best practice on creating an enabling ecosystem for innovation in sustainable mobility
Outcomes	<ul style="list-style-type: none"> Attracting innovative companies to invest in Cape Town and the Atlantis SEZ

Meeting 15: Berlin, Germany

Date	21 September 2024
Time	9:00 – 17:00
Location	Hannover, Germany
Organisation	IAA Transportation Conference
Organisation details	https://www.iaa-transportation.com/en/visitors
Contact names and roles	Not Applicable
Topic of the	Electric commercial vehicles networking event

Agenda points	Networking opportunity for the City of Cape Town with leading OEMs in order to make them aware of the City's fleet transition plans
Our expectations from this meeting	<ul style="list-style-type: none"> Networking and benchmarking industry best practice with regards to the electric vehicle transition in municipal vehicle fleets
Outcomes	<ul style="list-style-type: none"> Attracting innovative companies to invest in Cape Town and the Atlantis SEZ

6. ACTIONS REQUIRED

The conclusion of the study tour did not necessitate any further obligations. Instead, the experience provided the much-needed insight required for the anticipated Phase 2 of the EV roll-out within City of Cape Town Fleet. The stakeholder relationships with the Cities of Copenhagen, Oslo, Berlin and the German Federal Government will be maintained. This municipal EV best practice benchmarking exercise will be used to inform policy, regulation and standards development for the City of Cape Town, in their transition to electric vehicles.

7. IMPLICATIONS

7.1 Constitutional and Policy Implications No ☒ Yes ☐

7.2 Environmental implications No ☒ Yes ☐

7.3 Financial Implications No ☒ Yes ☐

7.4 Legal Implications No ☒ Yes ☐

7.5 Staff Implications No ☒ Yes ☐

7.6 Risk Implications No ☒ Yes ☐

7.7 POPIA Compliance

☒ It is confirmed that this report has been checked and considered for POPIA Compliance.

NOTE: POPIA Section MUST be completed otherwise the report will be returned to the author for revision.

Contact your Directorate POPIA Stewards should you require assistance.

The City has a contract in place with **Izani Embassy Joint Venture** for the safe-keeping of Traveller's personal information as required by the POPI Act.

8. RECOMMENDATIONS

It is recommended that the feedback report on the trip EV Study Tour (Copenhagen, Denmark; Oslo, Norway and Berlin, Germany) undertaken by Executive Director Dalene Campbell, Executive Director Kadri Nassiep and Ms. Yusra Ebrahim on 14th September to the 23rd September **be considered and noted.**

IZINDULULO

Kundululwe ukuba **makuthathelwe ingqalelo kwaye kuqwalaselwe** ingxelo engohambo lotyelelo lokufunda ngezithuthi zombane (eCopenhagen, Denmark; Oslo, Norway naseBerlin, eGermany) oluthatyathwe nguMlawuli weSigqeba uDalene Campbell, uMlawuli weSigqeba Kadri Nassiep noNksz Yusra Ebrahim ngowe14 kweyoMsintsi ukuya kowe13 kweyoMsintsi 2024.

AANBEVELINGS

Daar word aanbeveel dat die terugvoeringsverslag oor die studietoer oor elektriese voertuie (Kopenhagen in Denemarke, Oslo in Noorweë en Berlyn in Duitsland) onderneem deur Dalene Campbell, Kadri Nassiep en Yusra Ebrahim van 14 tot 23 September 2024 oorweeg word en dat daarvan kennis geneem word.

9. GENERAL DISCUSSION

The City of Cape Town has set targets and made climate change commitments on carbon reduction and the adoption of green energy. These are contained in the Council-approved documents titled Carbon Neutral 2050 Commitment and the Climate Change Action Plan (CCAP).

The CCAP contains several actions that relate to the MyCiTi IRT system:

Action 20.1: Develop a procurement strategy for low-carbon emission vehicles and fuel technologies towards carbon neutrality.

Action 20.2: Develop the necessary policy and regulatory environment to promote the uptake of electro-mobility freight and electric passenger transport (including public and private vehicles and minibuss taxis) and manage risks to the electricity grid.

Action 20.3: Show City leadership and gather real-world data from Electric Vehicles (EV) pilot programs such as the installation of publicly accessible demonstration chargers and the procurement of EVs for the City fleet.

The City of Cape Town has set up an internal EV Working Group that consists of decision makers across the Energy, Urban Mobility and Corporate Services directorates to facilitate cross cutting collaboration as the City transition to a net-zero mobility system. Whilst the City of Cape Town's Corporate Services leads the planning and procurement of the centralized municipal vehicle fleet, it was necessary to include the Energy and Urban Mobility Directorates in the EV Study Tour as well to enable cross cutting perspectives to be taken into consideration.

Previous attempts to benchmark the City of Cape Town against other cities in South Africa with regards to EV policy, regulation, procurement and implementation was not successful as the City of Cape Town is far in advance of other South African cities. It was advised that the City of Cape Town develop partnerships with cities in Europe with mature EV industries for knowledge sharing of municipal best practice with regards to the regulation, procurement and implementation of electric vehicles in the City owned municipal vehicle fleet.

Preliminary research undertaken before the commencement of the EV study Tour indicated that the City of Copenhagen, City of Oslo and the City of Berlin had made important strides towards electrifying their public transport, waste collection and emergency services municipal vehicle fleets.

GreenCape is a Green Economy Cluster Agency and a Special Purpose Vehicle (SPV) of the City of Cape Town Enterprise and Investment Department. GreenCape was established in 2010 to remove barriers to jobs and investment in the green economy in Cape Town. GreenCape has been assisting the City of Cape Town with municipal support with regards to its transition to electric vehicles and renewable energy.

GreenCape is a member of the International Cleantech Network (ICN) which is a global cluster network of green economy clusters. The City of Cape Town's partnership with GreenCape enabled the setting up of engagements with the various departments at the City of Copenhagen, City of Oslo and the City of Berlin to provide first hand feedback on municipal EV transitions from the City of Cape Town's municipal counterparts in Europe.

These engagements provided useful insights to the City of Cape Town with regards to electric vehicle specifications and procurement models as the City plans the implementation of Phase 2 of the EV Pilot Project with the Corporate Services fleet. The CCT Fleet Management Department has engaged with the City of Copenhagen, City of Oslo and the City of Berlin on the following areas:

- Policies, Strategies and by laws related to EVs with supporting business cases
- Implementation of incentives to public, private and to OEMs stakeholders
- Market intelligence on other new energy vehicles being procured
- Infrastructure investment and implementation strategy in a municipal context
- Battery management – Policy, redundancy, replacement, corrosion
- Repairs & Maintenance process (internal or external (OEM and vendor).
- Spares availability and requirements

- Training and development
- Accident repair process and general mechanical repairs.
- Life Cycle Management Framework/plan for EVS- procurement, operations, repairs & maintenance, disposal
- Vehicle interfaces and integration with tracking and fleet management systems

The Energy Directorate in the City of Cape Town is also investigating the feasibility of going out on tender to allow private charge point operators to install EV charging stations on public land in Cape Town. This is driven by strong interest from the private sector to expand the EV charging network in the City.

From a municipal electricity utility perspective, the City was able to learn about the distribution grid implications of a transition to electric vehicles. This is especially important for the electrification of the public transport MyCiTi bus fleet which will require a large investment in charging infrastructure, renewable energy and grid capacity going forward.

Golden Arrow Bus Services (GABS) has also recently completed procurement of 120 BYD electric buses with plans to procure 60 electric buses a year thereafter and the City is evaluating the potential energy demand and grid impact of that transition. It is estimated the Golden Arrow Bus Services will require 80MW to 100MW of renewable energy if they electrify their full fleet of 1100 buses. This is an important opportunity that the Energy Directorate must consider for future planning.

10. ANNEXURES

Annexure A: Approved Travel Report

FOR FURTHER DETAILS, CONTACT:

DATE	01 October 2024		
NAME	Yusra Ebrahm	CONTACT NUMBER	021 400 6153
E-MAIL ADDRESS	Yusra.Ebrahim@capetown.gov.za		
DIRECTORATE	Corporate Services	FILE REF No	
SIGNATURE :	Yusra Ebrahim <small>Digitally signed by Yusra Ebrahim Date: 2024.11.01 07:33:05 +0200</small>		

Yaasier Ahmed Digitally signed by Yaasier Ahmed
Date: 2024.11.01 13:41:26 +0200

DIRECTOR FLEET MANAGEMENT

YAASIER AHMED

COMMENT:

SIGNATURE:

NAME

DATE

EXECUTIVE DIRECTOR

KADRI NASSIEP

COMMENT:

SIGNATURE:

NAME

DATE

05 NOV 2024

Dalene Campbell

Digitally signed by Dalene
Campbell

Date: 2024.11.06 09:03:15 +02'00'

EXECUTIVE DIRECTOR

DALENE CAMPBELL

COMMENT:

SIGNATURE:

NAME

DATE

Digitally signed
by Ernest Sass

Date: 2024.11.07
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EXECUTIVE DIRECTOR

ERNEST SASS

COMMENT:

The ED's signature represents support for report
content and confirms POPIA compliance.

SIGNATURE:

NAME

DATE

MANAGER: INTERNATIONAL RELATIONS

COMMENT:

DR. DENVER VAN SCHALKWYK

SIGNATURE:

DATE

☐ REPORT COMPLIANT WITH THE PROVISIONS OF COUNCIL'S DELEGATIONS, POLICIES, BY-LAWS AND ALL LEGISLATION RELATING TO THE MATTER UNDER CONSIDERATION.

LEGAL COMPLIANCE

☐ NON-COMPLIANT

COMMENT:

NAME

Certified as legally compliant based on the contents of the report.

TEL

Note: The date reflected in the Xhosa translation is erroneous.

DATE

CITY MANAGER

☒ NOTED

☒ REFER TO THE MAYORAL COMMITTEE VIA THE RELEVANT SECTION 79 COMMITTEE

DATE

COMMENT: