



REPORT TO: CITY MANAGER

**TO BE REFERRED BY THE OFFICIAL TO MAYCO VIA THE RELEVANT [ENERGY
PORTFOLIO] SECTION 79 COMMITTEE [AFTER CONSIDERATION BY CITY MANAGER]**

[OFFICIALS TRAVELLING OVERSEAS FOR COUNCIL RELATED ACTIVITIES]

1. ITEM NUMBER

2. SUBJECT

**FEEDBACK ON THE INTERNATIONAL/OUTSIDE THE BORDERS OF THE RSA TRIP
UNDERTAKEN FROM THE 18 TO 30 AUGUST 2024 TO ATTEND THE DANIDA
FELLOWSHIP CENTRE (DFC) SCHOLARSHIP FOR THE LEARNING PROGRAMME, IN
DENMARK.**

**FEEDBACK ON THE INTERNATIONAL/OUTSIDE THE BORDERS OF THE RSA TRIP
UNDERTAKEN FROM THE 8 SEPTEMBER 2024 TO 27 SEPTEMBER 2024 TO ATTEND
THE DANIDA FELLOWSHIP CENTRE (DFC) SCHOLARSHIP FOR THE LEARNING
PROGRAMME, IN DENMARK.**

ONDERWERP

**TERUGVOERING OOR DIE REIS NA DIE BUITELAND/BUITE DIE GRENSE VAN DIE RSA
ONDERNEEM VAN 19 TOT 30 AUGUSTUS 2024 OM DIE DANIDA FELLOWSHIP-
SENTRUM (DFC) SE STUDIEBEURS VIR DIE LEERPROGRAM IN DENEMARKE BY TE
WOON**

**TERUGVOERING OOR DIE REIS NA DIE BUITELAND/BUITE DIE GRENSE VAN DIE RSA
ONDERNEEM VAN 8 SEPTEMBER 2024 TOT 27 SEPTEMBER 2024 OM DIE DANIDA
FELLOWSHIP-SENTRUM (DFC) SE STUDIEBEURS VIR DIE LEERPROGRAM IN
DENEMARKE BY TE WOON**

ISIHLOKO

**INGXELO ENGASEMVA KOHAMBO KUMAZWE APHESHEYA/ANGAPHANDLE
KWEMIDA YASEMZANTSI AFRIKA EQHUTYWE UKUSUSELA NGOWE 18 UKUYA
KOWAMA30 KWEYETHUPHA 2024 UKUZIMASA ISIBONELELO SONCEDOMALI
YOFUNDA SABEDANIDA FELLOWSHIP CENTRE (DFC), KULUNGISELELWA INKQUBO
ENGOKUFUNDA, ESE DENMARK**

**INGXELO ENGASEMVA KOHAMBO KUMAZWE APHESHEYA/ANGAPHANDLE
KWEMIDA YASEMZANTSI AFRIKA EQHUTYWE UKUSUSELA NGOWE 8 UKUYA
KOWAMA27 KWEYOMSINTSI 2024 UKUZIMASA INKQUBO ENGEZIFUNDO
EBONELELWE NGONCEDOMALI LABE DANIDA FELLOWSHIP CENTRE (DFC) ,
KULUNGISELELWA INKQUBO ENGOKUFUNDA, ESE DENMARK**

LSU: R12136

3. EVENT SUMMARY

EVENT DETAILS	
CONFERENCE/SEMINAR	N/A
OTHER	<ul style="list-style-type: none"> • Energy Efficiency and Energy Management in Buildings and Industry Programme • Physical and Financial Power Markets
DATE	<ul style="list-style-type: none"> • 19 - 30 August 2024 • 8 – 28 September 2024
VENUE	DTU Technical University
TOTAL COST TO THE CITY	R 11 671.26
CITY	Copenhagen
COUNTRY	Denmark

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
Charlene Harripersadth	Assistant Professional Officer
Imran Chotia	Principal Professional Officer
Adrian Stone	Manager : Data Management and Integration Platforms

PROVIDE SUMMARY OF HOST ORGANISATION / CITY

DTU Technical University of Denmark is one of Denmark's foremost institutions of higher learning. It was the host university where both the Energy Efficiency and Energy Management in Buildings and Industry Programme as well as the Physical and Financial Power Markets Programme both of which were under the Danida Fellowship Centre (DFC) scholarship was held. On behalf of the Ministry of Foreign Affairs, Danida Fellowship Centre administers the development research grants provided by Denmark's development cooperation, Danida (<https://dfcentre.com/organisation/>).

The DFC programme builds on the understanding that individuals matter; and with the right knowledge, competencies and motivation, individuals can become key change makers in their organization. DTU offered an ideal platform with its strong emphasis on sustainability and cutting-edge solutions in energy systems for the two professional courses attended on energy efficiency and power markets.

The university's interdisciplinary approach, combined with its expertise in both energy technology and economics, has supported:

- The development of practical solutions for reducing energy consumption and promoting sustainable practices in industrial and building sectors, making it a key contributor to global sustainable development goals.
- Policy insights, technical innovations and the supply of graduates to start-ups and regulatory organisations to support the development and functioning of power markets in Denmark and across the world, enabling the more rapid uptake of low carbon generation technologies.

4. OBJECTIVE

Attending the Energy Efficiency in Buildings and Industry course provided an in-depth understanding of cutting-edge technologies, strategies, and best practices for

reducing energy consumption and improving efficiency in both buildings and industrial operations. The course covered the importance of energy efficiency and energy management as a part of a national energy transition, implementing an energy management scheme in an industry or a building organization, developing a business case for implementing energy saving measures in an industry or building organization, methods to assess and monitor energy use, the development of a maintenance and operation plan, as well as relevant technologies and concepts for improving energy efficiency. By gaining practical insights and learning from case studies, the attendee is now equipped to assess current energy use in the City and identify opportunities for improving efficiency, reducing operational costs, and lowering carbon emissions.

One of the foremost challenges is the need to manage energy usage at wastewater facilities which presents challenges that involves navigating various complexities. By gaining expertise in energy management systems, it has equipped me with the knowledge and skills to assess the feasibility of various energy efficiency projects and drive their implementation within waste water treatment plants.

Attending the Physical and Financial power markets course funded by the Danida Fellowship Centre and Hosted by DTU provided the attendees with insightful knowledge on the benefits, concerns and characteristics of Energy and Power Markets. This is especially relevant to South Africa where legislation has established an electricity market operator in the National Transmission Power Company of SA which has announced that it will launch a physical power market exchange as soon as April 2026. This will mean that municipal distributors (such as the City of Cape Town's) will face difficult changes as participation in the new market will entail new risks and responsibilities as well as unbundling into Distribution System Operators and Electricity Retailers.. Through attendance of this course we will now be better positioned to support the City of Cape Town during this transition, transferring critical information and international perspectives.

5. OUTCOMES

Enhanced energy efficiency initiatives, reduction in carbon emissions, cost savings for the City, capacity building and knowledge sharing, strengthened policy framework and resilience and sustainability.

An improved understanding of physical and financial power markets in order to better support the City's Energy Directorate to participate in the wholesale electricity market in the future and manage the risks. Furthermore, the knowledge acquired on feasibility studies and physical power markets will provide critical insight into future investment decisions when considering new innovative projects in the Sustainable Energy Markets department.

6. ACTIONS REQUIRED

Participate in a follow-up online meeting scheduled three months after the course to discuss the key outcomes, actions taken, changes implemented, and overall progress since the program.

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 Danida Fellowship Centre (DFC) Scholarship for the Learning Programme in Denmark undertaken by Charlene Harripersadth from 18-30 August 2024 **be considered and noted.**

It is recommended that the feedback report on the trip the Danida Fellowship Centre (DFC) Scholarship for the Learning Programme in Denmark undertaken by Imran Chotia and Adrian Conrad Stone from 8-27 September 2024 **be considered and noted.**

AANBEVELINGS

Daar word aanbeveel dat die terugvoeringsverslag oor die Danida Fellowship-sentrum (DFC) se studiebeurs vir die leerprogram in Denemarke onderneem deur Charlene Harripersadth van 18-30 Augustus 2024 oorweeg en daarvan kennis geneem word.

Daar word aanbeveel dat die terugvoeringsverslag oor die Danida Fellowship-sentrum (DFC) se studiebeurs vir die leerprogram in Denemarke onderneem deur Imran Chotia en Adrian Conrad Stone van 8-27 September 2024 oorweeg en daarvan kennis geneem word.

IZINDULULO

Kundululwe ukuba makuthathelwe ingqalelo kwaye kuqwalaselwe ingxelo engesamva kohambo obelujoliswe kwiNkqubo engeZifundo exhaswe ngezimali zabeDanida Fellowship Centre (DFC) obeluseDenmark, obeluhutywe nguCharlene Harripersadth ukususela kowe18 ukuya kowama30 kweyeThupha 2024.


Kundululwe ukuba makuthathelwe ingqalelo kwaye kuqwalaselwe ingxelo engesamva kohambo obelujoliswe kwiNkqubo engeZifundo exhaswe ngezimali zabeDanida Fellowship Centre (DFC) obeluseDenmark, obeluhutywe nguImran Chotia noAdrian Conrad Stone ukususela kowe8 ukuya kowama 27 kweyeMsintsi 2024

LSU: R12136

9. GENERAL DISCUSSION None

10. ANNEXURES None

FOR FURTHER DETAILS, CONTACT:

DATE	08 October 2024		
NAME	Shireen Hopley	CONTACT NUMBER	021 444 0072
E-MAIL ADDRESS	Shireen.Hopley@capeto wn.gov.za		
DIRECTORATE	Energy	FILE REF NO	
SIGNATURE :		Leila Mahomed Weideman	Digitally signed by Leila Mahomed Weideman Date: 2024.10.11 08:20:45 +02'00'

EXECUTIVE DIRECTOR: ENERGY

[KADRI NASSIEP]

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

SIGNATURE:

NAME

DATE


Kadri Nassiep
14 OCT 2024

COMMENT:

MANAGER: INTERNATIONAL RELATIONS

DR. DENVER VAN SCHALKWYK

SIGNATURE:

DATE

COMMENT:

Acting Manager while Dr Denver van Schalkwyk is away on Official Business.
Actions are noted.

☐ 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:

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

NAME

TEL

DATE

CITY MANAGER

☒ NOTED

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

DATE

COMMENT: