



**REPORT TO: CITY MANAGER**

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

**OFFICIALS TRAVELLING OVERSEAS FOR COUNCIL RELATED ACTIVITIES**

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**1. ITEM NUMBER**

**2. SUBJECT**

**FEEDBACK ON THE INTERNATIONAL/OUTSIDE THE BORDERS OF THE  
RSA TRIP UNDERTAKEN FROM 27 TO 30 MAY 2024 TO ATTEND THE  
INCLUSIVE CITIES: NEW APPROACHES TO UNDERSTANDING  
INFRASTRUCTURE ACCESS IN INFORMAL SETTLEMENTS'  
SYMPOSIUM IN ZÜRICH, SWITZERLAND**

**ONDERWERP**

**TERUGVOERING OOR DIE INTERNASIONALE REIS (BUITE DIE GRENSE  
VAN DIE RSA) ONDERNEEM VANAF 27 TOT 30 MEI 2024 OM DIE  
SYMPOSIUM OOR NUWE BENADERINGE OM  
INFRASTRUKTUURTOEGANG IN INFORMELE NEDERSETTINGS TE  
VERSTAAN (INKLUSIEWE STEDE) IN ZÜRICH, SWITZERLAND BY TE  
WOON**

**ISIHLOKO**

**INGXELO ENGASEMVA KOHAMBO KUMAZWE APHESHEYA/  
ANGAPHANDLE KWEMIDA YASEMZANTSI AFRIKA OLUQHUTYWE  
UKUSUSELA KOWAMA27 UKUYA KOWAMA30 KUCANZIBE 2024  
NGENJONGO YOKUZIMASA INDIBANO ENGEZIXEKO  
EZISEBENZISANAYO: IINDLELA EZINTSHA EZINGOKUQONDANA  
NGOKUMALUNGA NOKUFUMANEKA KWEZAKHEKO EZINGUNDOQO  
KWIINDAWO ZOKUHLALA EZINGAMATYOTYOMBE, ESE ZÜRICH, E  
SWITZERLAND**

**LSU: Q4157**

### 3. EVENT SUMMARY

EVENT DETAILS	
CONFERENCE/SEMINAR	INCLUSIVE CITIES: NEW APPROACHES TO UNDERSTANDING INFRASTRUCTURE ACCESS IN INFORMAL SETTLEMENTS' SYMPOSIUM
OTHER	EXPOSURE TO THE DEBATES ON THE POTENTIAL USE OF REMOTE SENSING TECHNOLOGIES AND AI FOR SERVICE DELIVERY IN INFORMAL SETTLEMENTS
DATE	27-30 MAY 2024
VENUE	COLLEGIUM HELVETICUM, INSTITUTE FOR ADVANCED STUDY, ETH ZURICH
TOTAL COST TO THE CITY	20 277.70
CITY	ZURICH
COUNTRY	SWITZERLAND

ATTENDEE DETAILS	
NAME AND SURNAME	DESIGNATION
THANDEKA TSHABALALA	SPO: ENERGY POVERTY ALLEVIATION

PROVIDE SUMMARY OF HOST ORGANISATIONS
<p>The <b>Collegium Helveticum</b>, Institute for Advanced Study, and <b>ETH for Development</b> are all part of ETH Zurich, a Swiss university. The Collegium Helveticum hosts various types of academic fellows who engage in development work and conduct exploratory research. Dr Yael Borofsky is one of the academic fellows at the Collegium. Her funding for the project in Khayelitsha was provided by ETH for Development, an institution that finances high-impact projects demonstrating collaborative efforts between various entities.</p> <p>Link to The Collegium Helveticum: <a href="https://collegium.ethz.ch/">https://collegium.ethz.ch/</a> Link to ETH for Development: <a href="https://eth4d.ethz.ch/">https://eth4d.ethz.ch/</a></p>

### 4. OBJECTIVE

The primary reason for attending the "Inclusive Cities: New Approaches to Understanding Infrastructure Access in Informal Settlements" symposium at ETH Zurich was to engage with leading experts and stakeholders in the field of urban infrastructure and service delivery. This event offered a unique platform to discuss and explore innovative solutions, particularly the integration of remote sensing technologies and AI, for improving service delivery in informal settlements. The symposium also provided an opportunity to present how AI could potentially be used for planning integrated energy systems in informal settlements that are not connected to electricity in Cape Town, facilitating knowledge exchange and fostering potential collaborations.

The experience and knowledge acquired from this event will add significant value to the City in several ways:

- Providing exposure to cutting-edge technologies and methodologies that can be implemented to enhance infrastructure and service delivery in informal settlements.
- Learning from global best practices and case studies that can be adapted and applied to local contexts within the City.
- Establishing partnerships with international institutions such as ETH Zurich and stakeholders, which can lead to collaborative projects and funding opportunities.

## 5. OUTCOMES

ETH for Development is keen to understand how the case study in Khayelitsha has influenced the City's thinking about public lighting, particularly as reflected in the new energy strategy. They are also interested in how other organisations have begun using solar lighting in informal settlements, showcasing the broader impact of their funding beyond just the PJS informal settlement. Additionally, they have expressed interest in funding projects that the department is willing to explore further.

## 6. ACTIONS REQUIRED

I will prepare a brief report on how the department is involved in alternative public lighting in informal settlements for ETH for development. Additionally, in collaboration with the Strategic Processes team of the Sustainable Energy Markets department, we will discuss a range of potential research questions needing technical support, which ETH for development may explore for upcoming projects.

## 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 XL Embassy Travel 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 'INCLUSIVE CITIES: NEW APPROACHES TO UNDERSTANDING INFRASTRUCTURE ACCESS IN INFORMAL SETTLEMENTS' SYMPOSIUM undertaken by THANDEKA TSHABALALA on 27 May 2024 to 30 May 2024 **be considered and noted.**

### **AANBEVELINGS**

Daar word aanbeveel dat die terugvoerverslag oor die reis onderneem deur Thandeka Tshabalala van 27 tot 30 Mei 2024 om die simposium oor nuwe benaderinge om infrastruktuurtoegang in informele nedersettings te verstaan (inklusiewe stede) by te woon, **oorweeg word en daarvan kennis geneem word.**

### **IZINDULULO**

Kundululwe ukuba **makuthathelwe ingqalelo kwaye kuqwalaselwe** ingxelo engasemva kohambo 'OLUNGEZIXEKO EZISEBENZISANAYO: IINDLELA EZINTSHA EZINGOKUQONDANA NGOKUMALUNGA NOKUFUMANEKA KWEZAKHEKO EZINGUNDOQO KWIINDAWO ZOKUHLALA EZINGAMATYOTYOMBE', olwathi lwaqhutywe nguTHANDEKA TSHABALALA, ukususela ngowama27 ukuya kowama30 kuCanzibe 2024.

**LSU: Q4157**

## **9. GENERAL DISCUSSION**

Ms. Thandeka Tshabalala of the Sustainable Energy Markets Department received an invitation from ETH Zurich, a Swiss university, to attend a symposium titled "Inclusive Cities: New Approaches to Understanding Infrastructure Access in Informal Settlements" in Zurich, Switzerland from the 27th to the 30th of May 2024. The symposium aimed to bring together academics, policymakers, and community members to discuss new approaches to access to infrastructure in informal settlements.

ETH Zurich had previously collaborated in the Cape Town context, where two PhD students worked with the PJS informal settlement in Khayelitsha to pilot alternative solar-powered shack-mounted lights. The project in PJS informal settlement had been crucial in ongoing investigations into the provision of alternative public lighting in informal settlements. It had provided on-the-ground evidence highlighting key aspects to consider when delivering alternative services, including community participation and increasing buy-in for new technologies. It had also highlighted real challenges, such as maintenance requirements.

During the symposium, examples from Uganda were discussed, and Umeme, the energy provider in Uganda, shared insights into how they utilise remote sensing for the provision of clean cooking technologies in informal settlements in Kampala.

## 10. ANNEXURES

None

### FOR FURTHER DETAILS, CONTACT:

DATE	24 June 2024		
NAME	Thandeka Tshabalala	CONTACT NUMBER	021 400 4291
E-MAIL ADDRESS	<a href="mailto:Thandeka.Tshabalala@capetown.gov.za">Thandeka.Tshabalala@capetown.gov.za</a>		
DIRECTORATE	Energy	FILE REF No	N/A
SIGNATURE :			

#### EXECUTIVE DIRECTOR: ENERGY

COMMENT:

KADRI NASSIEP

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.

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**LEGAL COMPLIANCE**

☐ NON-COMPLIANT

COMMENT:

NAME \_\_\_\_\_

TEL \_\_\_\_\_

DATE \_\_\_\_\_

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

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**CITY MANAGER**

☒ NOTED

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

DATE \_\_\_\_\_

COMMENT:

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