



## REQUEST FOR INFORMATION

The Makana local municipality wishes to invite suitable service providers for project opportunities for energy efficiency interventions, alternative energy generation systems, identifying, driving, and coordinating appropriate funding streams.

Project Name	RFI Number	Closing Date	Closing Time
Project opportunities for energy efficiency interventions, alternative energy generation systems, identifying, driving, and coordinating appropriate funding streams.	MLM/2023-24/INFRA/RFI-01	26 September 2023	12H00PM

Potential information providers must take note of the following clarification meeting details:

Date	Time	Venue
1 September 2023	09:00	City Hall

The specification for the above request for information project is available on the Makana Local Municipality website, [www.makana.gov.za/category/tenders](http://www.makana.gov.za/category/tenders).

All Technical Enquiries are to be directed to the **Project Manager**: Mr. Johnson Siteto [johnsonsiteto@makana.gov.za](mailto:johnsonsiteto@makana.gov.za) or cell 073 137 0672.

All SCM queries are to be directed to Ms. Tabisa Mvane and Mr. Vuyani Skeyi Tel: 046 603 6222 emails: [tmvane@makana.gov.za](mailto:tmvane@makana.gov.za) / [vskeyi@makana.gov.za](mailto:vskeyi@makana.gov.za)

Mr. P.M. Kate

Municipal Manager





# **MAKANA**

**MUNICIPALITY | EASTERN CAPE**  
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## **REQUEST FOR INFORMATION (RFI): PROJECT OPPORTUNITIES FOR ENERGY EFFICIENCY INTERVENTIONS, ALTERNATIVE ENERGY GENERATION SYSTEMS, IDENTIFYING, DRIVING, AND COORDINATING APPROPRIATE FUNDING STREAMS.**

**RFI Number: MLM/2023-24/INFRA/RFI-01**

**12 June 2023**

### **1. DISCLAIMER**

**1.1** This Request for Information (“RFI”) is issued by Makana Local Municipality and is intended to solicit information about potential green energy efficiency and renewable energy project opportunities from a wide range of alternative renewable energy sources.

**1.2** The RFI is an information gathering exercise. It is an open, non-compulsory, non-binding process and does not preclude Makana Local Municipality from engaging with other projects that have not responded to the RFI. Makana Local Municipality reserves the right to postpone, withdraw, amend, modify, or cancel the RFI process at any time, without prior notice and without liability to compensate or reimburse any person pursuant to such postponement, withdrawal, amendment, modification, or cancellation.

**1.3** Makana Local Municipality intend to use the information provided in response to this RFI to identify energy efficiency and renewable energy projects which may be eligible for funding. Makana Local Municipality holds sole discretion over the selection of projects with applicable funding streams.

**1.4** The costs of responding to this RFI shall be solely borne by the responding party and Makana Local Municipality will not be held liable for any claims or costs whatsoever incurred in responding to the RFI, and the responding party hereby indemnifies Makana Local Municipality in this regard.

**1.5** Makana Local Municipality accept no liability or responsibility for the completeness, accuracy, or adequacy of any of the information or opinions stated in this RFI. It will be incumbent upon the interested party to independently determine, verify and/or confirm such accuracy or adequacy of the information; and the interested party further indemnifies Makana Local Municipality in this regard.

**1.6** Makana Local Municipality in its sole discretion, anticipates engaging with some of the projects who submit responses to the RFI to discuss their project proposals with a view to seeking clarity in relation to information contained in such responses to the RFI.

**1.7** No act or omission by Makana Local Municipality relating to this RFI shall create or be deemed or interpreted to create any expectation of future business dealings concerning the subject matter of this RFI between the Makana Local Municipality on the one hand and the responding party on the other.

**1.8** For avoidance of any doubt, this disclaimer and the accompanying indemnity shall at all relevant times apply equally to protect Makana Local Municipality and any of its employees.

## **2.BACKGROUND INFORMATION**

Makana local Municipality is seeking to catalyse the development of a green city and municipality at large through a variety of energy efficient and sustainable renewable energy projects. The mission is to reverse the municipal carbon footprint as a step in the direction of mitigating global warming. Qualifying entities in the energy efficiency and renewable energy space who seek to play a role are therefore invited to submit proposals in line with the current South African integrated resource plan.

This mission is going to take a phased approach. The first phase of this approach is to facilitate an open, participatory process to obtain information from companies and consortia that will be interested in presenting green viable project proposals. The second phase will be the request for detailed bankable energy efficient and renewable energy proposals. Consideration will be given to parties that have a track record in projects that will be able to transition the City and municipality at large from being fossil fuel energy based to a modern green City and Makana municipality at large.

Innovative financial instruments or funded subsidy mechanisms for stimulating the green City and municipal movement will be prioritised.

## **3.REQUEST FOR INFORMATION PROCESS**

1. The overall objective of the RFI is to assist Makana Local Municipality to process and undertake pre-feasibility work for energy efficiency and renewable energy interventions for the entire Makana municipal area.

### **1.1 ENVISAGED PROJECTS AND INTERVENTIONS AMONGST OTHERS:**

- a) Solar based High masts, Streetlighting and Area lighting within the Makana Local Municipal area.
- b) Resuscitating the existing Municipal geyser ripple system.
- c) Rooftop and Carport Photovoltaic energy generation systems (w/without storage).
- d) Fresh and Wastewater purification plants Alternative energy generation systems.

- e) Rooftop and Carport Photovoltaic energy generation systems (w/without storage).
- f) Fresh and Wastewater purification plants Alternative energy generation systems.
- g) Building Energy Management systems with Energy Performance Certification.
- h) Ground based and Community Photovoltaic (Solar) plants.
- i) Low -Cost Household Solar energy solutions.
- j) Low and Medium water heating solutions (domestic, commercial, and industrial).
- k) Grey water solutions for (households, commercial and industrial)

## 1.2 KEY DELIVERABLES

- a) Rooftop solar for municipal buildings.
- b) Energy efficient street lighting and buildings.
- c) Reduced Eskom account.
- d) Grey water solutions (households, commercial and industrial)
- e) SANS 10400 – XA and SANS 204 compliant buildings.
- f) Mandatory roof insulation in buildings.
- g) Regulation XA 2 building heating requirement compliance.
- h) Municipal carbon footprint reduction.
- i) Energy Performance Certified buildings

## 4.LEGAL FRAMEWORK; POLICY AND GENERAL SPECIFICATION

All projects to be in line with amongst others:

- a) Municipal by laws,
- b) Electricity Act,
- c) Municipal tariff policy,
- d) Municipal metering policy,
- e) Municipal Billing Systems (suggest applicable improvements),
- f) Legal framework; Policy and Specification from [www.sseg.org.za](http://www.sseg.org.za) ,
- g) SALGA, AMEU & MAKANA Requirements for Small Scale Embedded Generation,
- h) Makana municipal wheeling agreements,
- i) SANS 474: 2006 edition 1 & NRS 057: 2005 SANS Code of practice for electricity metering edition 1.
- j) Guide for Municipalities on processing embedded Generator Applications 1MW and Larger,
- k) NRS 097 -2-1: 2014 & 097 -2-3: 2017 Grid Interconnection of Embedded Generation,
- l) For Rooftop Solar see both the SAPVIA and [www.sseg.org.za](http://www.sseg.org.za) ,
- m) Rooftop Photovoltaic guidelines for safe and legal Installations (Cape Town (Makana)),
- n) SALGA Local Government Energy Efficiency & Renewable Energy Strategic Guide.
- o) Section 19(1) (b) of the National Energy Act, 1998 (Act No. 34 of 2008), for Energy Performance Certification.

5. Interested parties must provide the information in the format of their discretion, not limited to the following:

#### **5.1 PROJECT DESCRIPTION**

- Description of the company or consortium that is submitting the information proposal.
- Description of the proposed solution, include: (size of intervention; target consumer group; technology to deploy; project site/s)

#### **5.2 TECHNICAL DESCRIPTION**

- The extent to which the proposed technology has been commercially implemented (including provision of project reference sites, Original Equipment Manufacturers (OEM) guarantees, Technology Readiness Level assessments or similar if available)
- Key technical assumptions underlying the production (or consumption) forecasts such as energy conversion efficiency, capacity factor, renewable energy lifespan and so forth.

#### **5.3 ADVISABLE PROVIDE NAMES AND RELEVANT PROJECT REFERENCE FOR**

- Engineering Procurement and Construction (EPC) contractors
- Engaged Energy Service Companies (ESCO's)
- Key technology providers or OEMs
- Technical advisors
- Further supporting information, including maps, qualifications, past project reference, letters of support, etc can be provided as additional documentation appended to the submission.

#### **5.4 CAPACITY TO SOURCE AND MANAGE APPROPRIATE FUNDING STREAM**

- Information providers to identify, drive, and coordinate appropriate funding streams.
- Indicate the financing structure.
- The intended business model and indicative financial model for the project (including Net present value (NPV); (Levelized Cost of Energy (LCOE); Internal rate of return (IRR) and cashflow profile and an indication of envisaged drawdown profile. Advisable present financial models in separate Excel spreadsheets.
- Indication of source of capital and operating costs will be favourable considered.

## **5.5 SOCIAL IMPACT**

- Description of job creation over some of the envisaged project construction and operation periods (green skilling) including an overview of the representation of woman and historically disadvantaged individuals is key.
- Description of consultation processes with local stakeholders
- Localisation potential of the project/s components.

## **6. GENERAL**

### **6.1 RFI CLARIFICATION MEETING AND SUBMISSION PROCESS**

- Bilateral engagements will commence one week post advertisement of the RFI.
- the RFI clarification meeting will be held with the Project Team on Tuesday 10H00am the second week post advertisement.
- Submissions are to be submitted properly enveloped at .....
- Submissions not to be emailed.
- Bilateral engagements will continue with interested parties after the clarification meeting throughout the RFI submission window until the submission deadline.
- Interested parties who wish to propose more than one project, can submit more than one proposal contained in a separate submission.

## **7. CONFIDENTIALITY**

Makana Local Municipality shall:

- Use its reasonable endeavours to keep all data and details submitted by responding parties strictly to confidential, save to the extent that such data or details are required to be disclosed by applicable law or order of a court of competent jurisdiction; be entitled to disclose all data and details to their officers, employees, agents, advisors and representatives who are involved in the project and the evaluation of the responses; and
- Not be liable for any loss incurred or damage suffered as a result of any disclosure of any information (confidential or otherwise) of the responding party. The responding party shall not have, and hereby waives, any claim against Makana Local Municipality arising out of the disclosure of any information, confidential or otherwise.

## 8. RESERVATION OF RIGHTS

- Makana Local Municipality reserves the right, to use information submitted in response to this RFI for the purpose of compiling and aggregating data for public release, related to the information submitted, without mentioning / identifying specific projects or parties.
- Makana Local Municipality reserves the right to verify any information contained in a response to this RFI.
- Makana Local Municipality reserves the right to cancel or withdraw this RFI as a whole or in part.

<b>9. Project Procurement Team</b>			
<b>X here</b>	<b>Name:</b>	<b>Phone / email:</b>	<b>Procurement Role:</b>
	Mr. Mayenzeke Siteto	<a href="mailto:Johnsonsiteto@makana.gov.za">Johnsonsiteto@makana.gov.za</a> - 046 603 6243	Project Manager
	Mr. Patuxolo Bidla	<a href="mailto:pbidla@makana.gov.za">pbidla@makana.gov.za</a> – 046 603 6202	SCM Manager
	Ms A Tembani	<a href="mailto:atembani@makana.gov.za">atembani@makana.gov.za</a> -046 603 6111	Acting PMU Manager
	Mr Mzomhle Radu	<a href="mailto:mzomhleradu@makana.gov.za">mzomhleradu@makana.gov.za</a> - 046 603 6037	Acting HOD Electricity
	Mr. W Welkom	<a href="mailto:williamwelkom@makana.gov.za">williamwelkom@makana.gov.za</a> 046 603 6000	Fire & Rescue Manager
	Mr. Likhaya Ngandi	<a href="mailto:likhayangandi@makana.gov.za">likhayangandi@makana.gov.za</a> X 6115	Corporate Operations Manager
	Mr. T. Matshuisa	<a href="mailto:Tmatshuisa@makana.gov.za">Tmatshuisa@makana.gov.za</a>	ICTD Manager
	Mr. M. Pasiya	<a href="mailto:mpasiya@makana.gov.za">mpasiya@makana.gov.za</a>	Strategic Planning & Monitoring Manager
	Ms G Mfeti	<a href="mailto:gmfeti@makana.gov.za">gmfeti@makana.gov.za</a>	Building Control Officer
	Mr M. Soxujwa	<a href="mailto:msoxojwa@makana.gov.za">msoxojwa@makana.gov.za</a>	Social Facilitator
	Mr. N. Nongwe	<a href="mailto:NdumisoNongwe@makana.gov.za">NdumisoNongwe@makana.gov.za</a>	Environmental Manager
	Miss Nosipho Kulati	<a href="mailto:NosiphoKulati@makana.gov.za">NosiphoKulati@makana.gov.za</a>	Riebeeck East Unit Manager
	Mr Goliath Gustav	<a href="mailto:GustavGoliath@makana.gov.za">GustavGoliath@makana.gov.za</a>	Alicedale Unit Manager



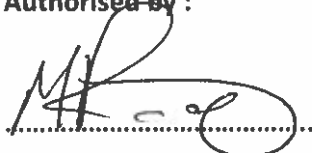
Prepared by :



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Mr. J. Siteto

Manager-Energy

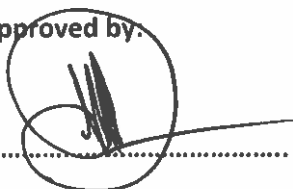
Authorised by :



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Mr. M. Radu

Acting Director Technical and Infrastructural Services

Approved by:



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Mr. P.M. Kate

Municipal Manager

