



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

SSEG STREAMLINE FOCUS AREA

Energy Directorate
27 July 2022

Making progress possible. **Together.**

Mayor's Priority Programme

- **Energy Security for Economic Growth** launched upon directive from the Executive Mayor

Four priority focus areas/work packages:

- **Loadshedding Mitigation:** To limit the impact of loadshedding within City Supply Areas.
- **SSEG Streamlining:** To make connecting SSEG to the grid easier.
- **Energy Strategy Development:** A new, long-term energy strategy for the City.
- **Power Utility Reform:** Transforming the utility business for long-term sustainability.

STATUS CCT GRID TIED INSTALLATIONS (JUNE 2022)

CCT grid-tied installations approved & commissioned

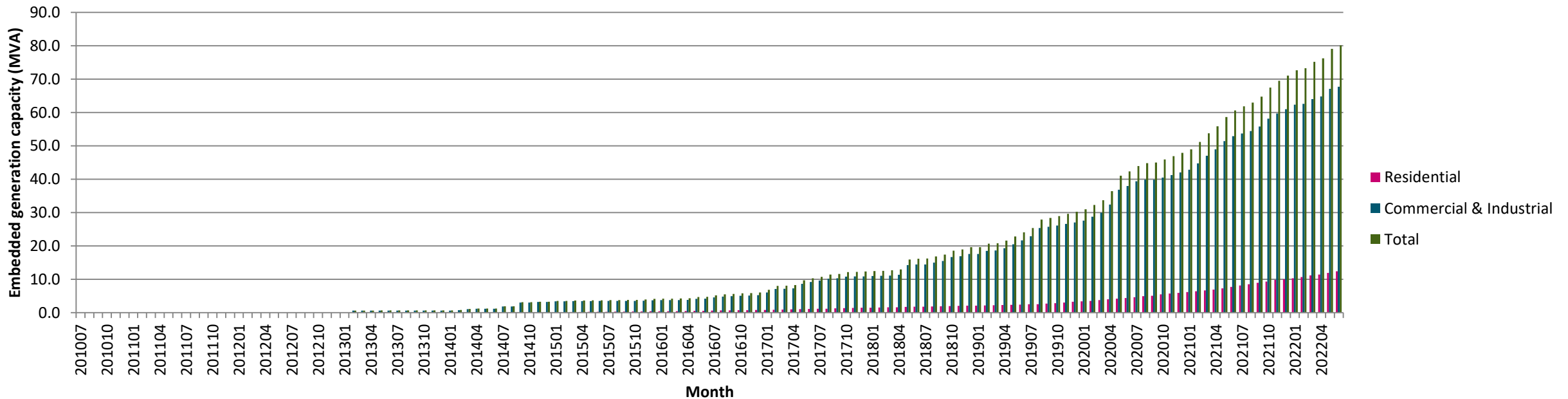
Approved grid-tied installations commissioned (June 2022):

- No. of Systems = 2487
- Capacity = 80,14 MVA

Approved grid-tied capacity commissioned (June 2022):

- Residential = 12,38 MVA (2034)
- C&I = 67.75 MVA (453)

1.2 Approved grid-tied, commissioned, embedded generation | Capacity



City Support

- **Incentive Tariff**
 - 25 c/kWh supplement to Feed-in-Tariff
 - Extended for three years from 2022/23 to 2024/25
- **Remove Net consumption restriction**
 - Initially for Commercial & Industrial customer
 - Installation only constrained by connection capacity
 - Cash payments for energy fed back into the grid
- **Introduce Wheeling**
 - Pilot commenced
- **SSEG Streamlining**

NET CONSUMER REQUIREMENT & PROCUREMENT OF SURPLUS ENERGY



Current SSEG Requirements

- As per the **Requirements for Small-Scale Embedded Generation**
 - **Definition of a Net-consumer**: A customer who imports (purchases) more electricity than they export (feed-in to the network) over a rolling 12-month period
 - 1.5 Net Consumer Requirement:
 - Embedded generators can either be **net consumers** i.e. they import (purchase) more electricity than they export (feed-in to the network) over a rolling 12-month period or be **net generators** i.e. they export (feed-in to the network) more electricity than they import (purchase) over a rolling 12-month period.

Net generators are not (currently) permitted by the City.

- There are two process underway to **seek approval to change the net consumer requirement**:
 1. City of Cape Town **Supply Chain Deviation Process** for SSEG and Wheeling Purchases
 2. **Application to National Treasury for Exemptions** from Legislation to allow for the purchase of SSEG and Wheeling Surpluses

EOI: Apply to sell surplus SSEG energy to CCT


Current Process:

- Consideration for deviation approval by BAC **requires information of proposed customers** from whom SSEG and wheeling surpluses are to be purchased.
- Request for **expression of interest** for interested prospective sellers of SSEG surpluses to indicate their interest to the City.

The request for expression of interest may be found on [Procurement Administration Portal](#).

Interested parties will be required to provide the following information and documentation:

- SSEG commissioning approval letter
- City vendor number

EOI 001/2022/23	Expression of interest (eoi) - application to sell surplus sseg energy to city of cape town	ENERGY	Electricity Generation and Distribution	2022-08- 31 12:00 PM	2022-07- 08 15:39 PM	
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Note that it is the City's intention to purchase electricity on a non-discriminatory basis from all qualifying applicants, unless and until technical constraints prevent it from doing so, for example constraints relating to the capacity of the City's electrical grid to take up the extra supply.

What we hope this will achieve

- **Increased renewable energy on our local grid**
 - Bigger systems are permitted and the City can purchase the excess generation
 - The business case for commercial PV plants is improved as no energy is 'wasted' or curtailed
 - Greater private sector investment into energy generation
- **Showing leadership** in solving the current energy crisis

WHEELING

Wheeling

Status

- Pilot commenced with 14 third party supplier participants
- Expect 4 to wheel electricity by the end of 2022, next 5 to wheel early 2023
- Pilot will run for at least 1 year before being fully opened to the market

SSEG STREAMLINING WORK PACKAGE



Work packages

1. Online registration process
2. Energy Hub (Virtual)
3. Communication Plan
4. Illegal process
5. Cheaper metering solutions

SSEG Online Application Portal Process

Background

- Multi-year process
- Aim is to make it easier for customers to register their SSEG systems
- Development of an online application system.

Objectives of the Online Application process

- Design and implementation of an online application system **for all service** connections including SSEG installations
- Identify how the SSEG application can integrate into existing City Information Systems (the backend)
- To design for **customer centricity** with respect to the SSEG processes, its stakeholders and the user experience



**CITY OF CAPE TOWN
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Thank You

Making progress possible. Together.