

### 20 STEPS AWAY FROM GENERATING YOUR OWN ELECTRICITY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



#### A. THINKING OF A RESIDENTIAL EMBEDDED GENERATION SYSTEM

**Things you should consider**

- 1 Carry out research to understand how the system works
- 2 Carry out research on typical costs and what technology is available
- 3 Get in touch with accredited Manufactures, Installers and Engineers for further advice if necessary

Complied	
Yes	No
Yes	No
Yes	No

Make your notes here

▶ *If you are satisfied with the above and would like to move on with this project, continue reading Part B. Do not move on if you have not ticked "YES" to all of the above.*

#### B. GETTING SERIOUS ABOUT RESIDENTIAL EMBEDDED GENERATION

**Things you should consider**

- 4 Shop around for formal quotes and request onsite assessments to be carried out
- 5 Get in touch with an accredited Installer and an ECSA registered Professional to finalise your project
- 6 Confirm prices, roles and responsibilities, guarantees, performance criteria etc.
- 7 Talk to your insurance company and understand their requirements
- 8 Discuss with your Engineer issues around safety, fire protection, building codes etc.

Complied	
Yes	No
Yes	No
Yes	No
Yes	No
Yes	No

Make your notes here

▶ *If you are satisfied with the above and would like to move on with this project, continue reading Part C. Do not move on if you have not ticked "YES" to all of the above. Do not purchase or connect any part of the generation system to the grid at this stage.*

#### C. READY FOR AN EMBEDDED GENERATION SYSTEM

**Things you MUST do:**

- 9 Visit [www.durban.gov.za](http://www.durban.gov.za) and read through the Embedded Generation Section
- 10 Download the Guideline for Residential Embedded Generation and discuss with your Installer and Engineer
- 11 Sign the document confirming that all parties are aware / in agreement with the terms and conditions
- 12 Download the Residential Application Form and populate it in conjunction with the Installer and Engineer
- 13 Sign the form and submit with relevant attachments to : [residentialgeneration@elec.durban.gov.za](mailto:residentialgeneration@elec.durban.gov.za)

Complied	
Yes	No
Yes	No
Yes	No
Yes	No
Yes	No

Make your notes here

▶ *Your application will be checked. If all in order, it will be processed by the Network Planning Department. Wait for their response. Do not purchase or connect any part of the generation system to the grid at this stage.*

- 14 Upon receipt of your Proforma Invoice / Approval to connect, pay the applicable fees as detailed
- 15 Where your application has been approved and fees paid, you may go ahead with installation

Yes	No
Yes	No

▶ *Do not move on if you have not ticked "YES" to all of the above. Where your application has been approved and fees paid, your meter and tariff will be changed accordingly*

#### D. INSTALLATION COMPLETED

**Things you MUST do:**

- 16 Visit [www.durban.gov.za](http://www.durban.gov.za) and download the Residential Commissioning Report
- 17 The Installer must issue a COC for the installation and confirm correct operation / connection
- 18 The Professional Engineer must commission the installation and confirm operation in line with relevant standards
- 19 The Professional Engineer must complete and sign the commissioning form.
- 20 The Commissioning Form and the supporting info must be emailed to: [residentialgeneration@elec.durban.gov.za](mailto:residentialgeneration@elec.durban.gov.za)

Complied	
Yes	No
Yes	No
Yes	No
Yes	No
Yes	No

Make your notes here

▶ *You may only keep the generating system connected to the grid once commissioning has been successfully completed by the Engineer and the relevant reports have been submitted to the Municipality proving compliance to all the necessary standards / guidelines. Upon receipt of the commissioning report and supporting documents, a municipal official may visit your installation to confirm compliance.*

\* Note: You do not need to submit this form, it is the recommended steps that you should follow should you intent to generate electricity.