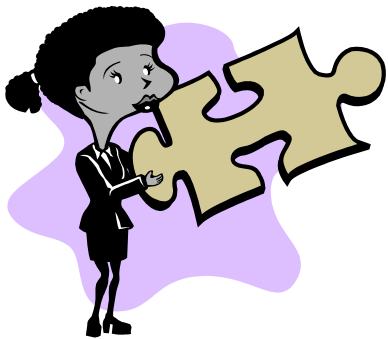


# NET METERING AND RENEWABLE ENERGY PURCHASES OBLIGATION:

## ECG'S PERSPECTIVE



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3<sup>RD</sup> NOVEMBER 2015

# PRESENTATION OUTLINE

- **NET METERING**
  - THE CONCEPT, ECG'S PERSPECTIVE
  - THE PILOT SCHEME
  - RENEWABLE ENERGY PURCHASE OBLIGATION, ECG'S PERSPECTIVE
  - POSSIBLE SCENARIOS AND WHAT TO EXPECT
- **CONCLUSION**

# CONCEPT OF NET METERING ; ECG'S PERSPECTIVE

- Net metering is an arrangement where **excess generated Renewable Energy** are fed into the Grid by Contracted Customers.
- Net metering is a **kWh billing system**.
- In Net Metering, Customer generators are **credited in kWh** for electricity supplied to the grid.
- Stakeholders are guided by the **Net Metering Sub-code 2015**.
  - ECG: Application, Bidirectional Meters, Net billing.
  - Customer Generator: Generations, Safety, Technical Compatibility.
  - Energy Commission: Net Metering Sub code, Dispute Resolution
  - PURC: End User Tariff.

# THE PILOT SCHEME ; OUR EXPERIENCE

## **APPROACH**

- Close collaboration with Energy Commission in the identification of 35 Customer-Generators.

## **WORK DONE SO FAR**

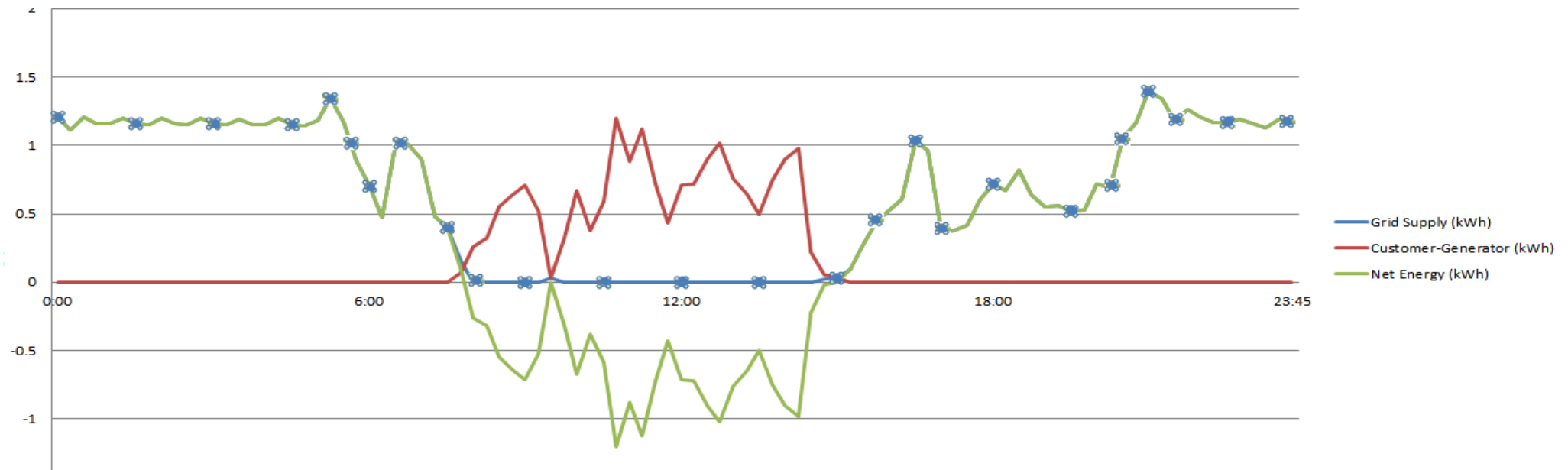
- Net Meters have been installed for all Customers but in series with their existing Prepayment and Post paid meters.
- Customer bills do not reflect the Net Metering.

## **WAY FORWARD**

- Meters to be configured to be read remotely and electronically.
- Deployment of Net Metering Code

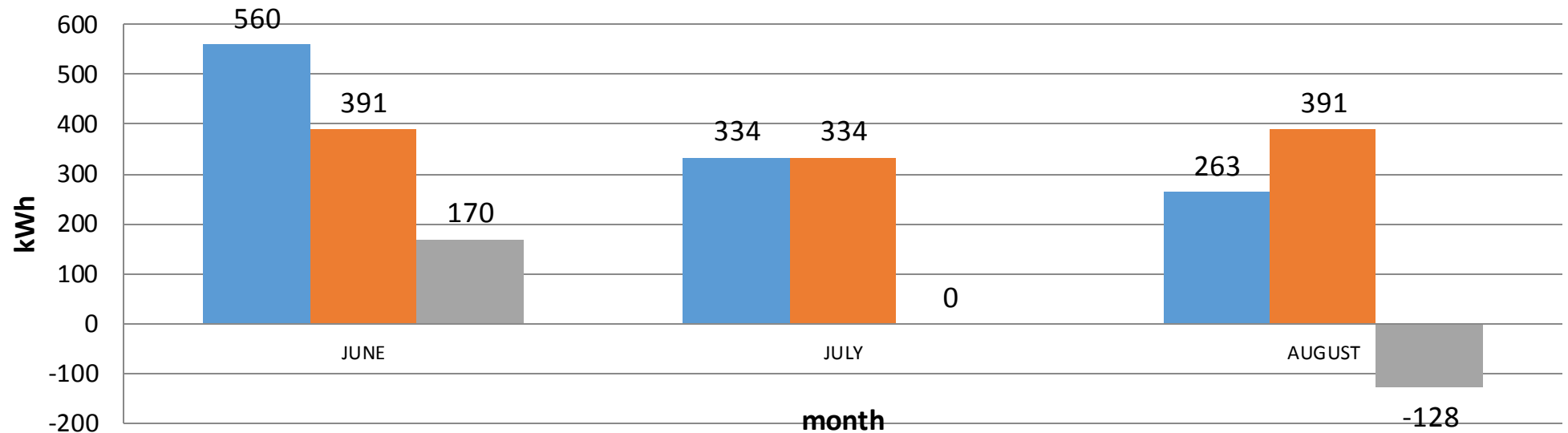
## RENEWABLE ENERGY PURCHASE OBLIGATION- ECG'S PERSPECTIVE

- Customer-Generators to fill Application Forms
- ECG and Customers to sign Connection Agreement contract.
- ECG to provide and install Bi-directional Meters.
- ECG to Net Bill Customer-Generators as per End User Tariff.

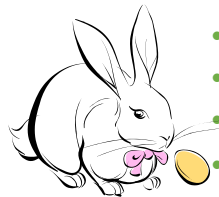


# POSSIBLE SCENARIOS AND WHAT TO EXPECT

Excess kWh cannot be used to defray any charges except kWh.



- **Import: ECG supply to "Customer"**
- **Export: Customer Generator to ECG**
- **Net Metering = ECG Import – Customer Generator Export.**



- **June Bill:** 170kWh NET BILL + Service charge etc.
- **July Bill:** 0 kWh Net Bill + service charge, taxes, levies etc.
- **August Bill:** (-) Net bill +service charge etc. to off set preceding month kWh
- **December Bill:** Accrued Excess kWh goes to zero at end of one calendar year

# CONCLUSION

- ECG agrees to deploy Net Metering Sub-code 2015 by the first quarter 2016 and monthly credit Customer Generators with kWh energy supplied to Grid to offset electricity purchased from ECG using the approved End User tariff.
- We are optimistic Net Metering will encourage electricity consumers to supplement their purchase of electricity with grid connected self generation renewable energy.

**THANK YOU**