

Securing a Sustainable Future for the Next Generation



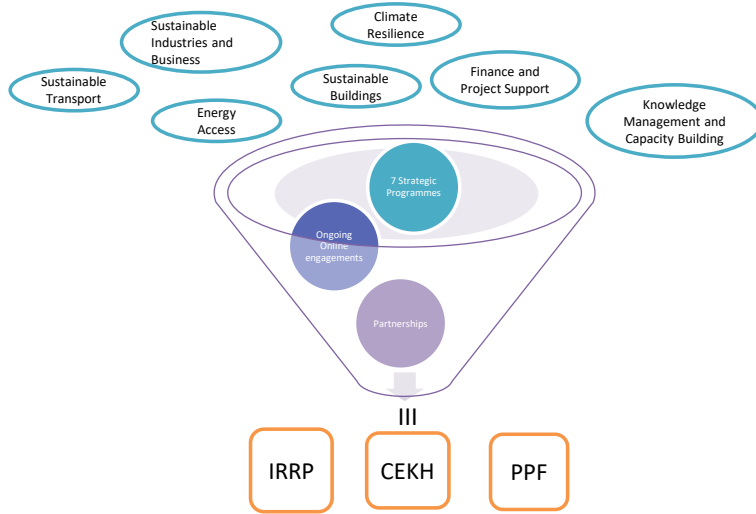
Cherri-Ann Farquharson
November 2023

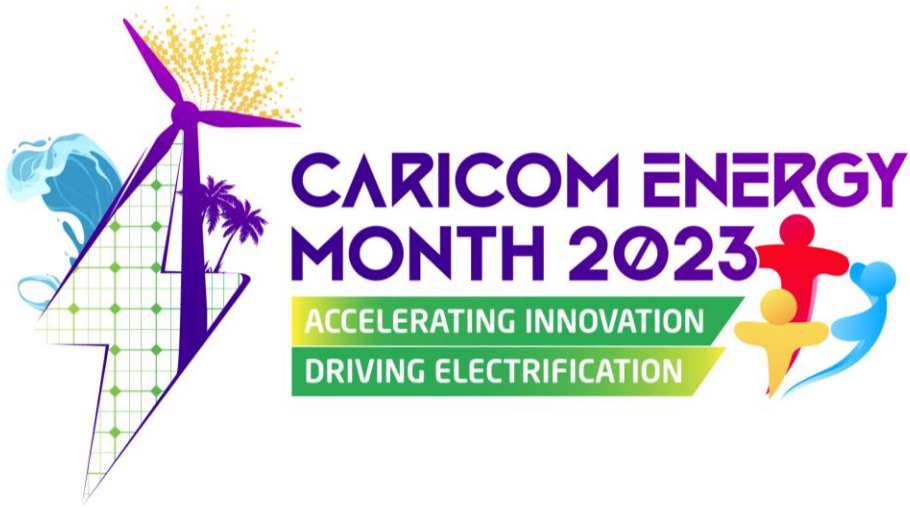
The Caribbean Centre for Renewable Energy and Energy Efficiency



- An institution of CARICOM, headquartered in Barbados
- Establishment began in **November 2014**
- Multi-government Agreement Establishing the CCREEE was adopted in **July 2017** and entered into force in **April 2018**
- Operationalised in **May 2018**
- Regional **implementation hub** for sustainable energy
- Supporting the transition to low-carbon, secure and resilient future energy systems at **regional** and **national** levels

The CCREEE Programmes





Climate-Energy Nexus

- Climate and energy are inextricably linked.
- Climate action is important as the impacts span water and food security
- The climate conversation for the Caribbean is about our people, their lives and livelihoods



Why Decarbonise?

- We may not save the world from the climate perils by decarbonizing our economies. Investing in indigenous sources of energy for domestic use is about ensuring our energy security which translates into sovereign security
- We have significant renewable resource potential which may be used as fuel or feedstock



Government



<https://rmi.org/category/us-policy/page/5/>

Businesses and Homes

🏠 What?

- Optimize the energy performance of a facility, building, or industrial plant to cost-effectively reduce energy consumption

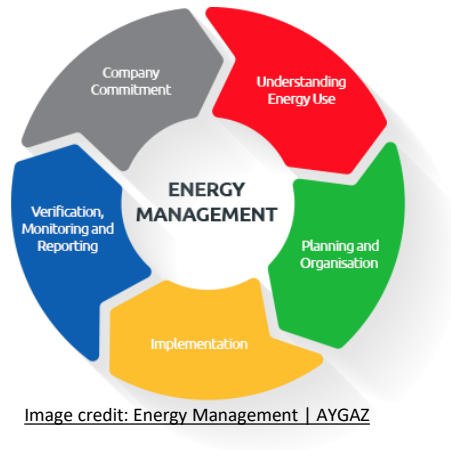
☀️ Why?

- Reduce costs
- Reduce carbon footprint
- Corporate social responsibility



Energy Management

How?



How much are you spending on energy?

Where are the large energy consumption centres?

Energy Management Opportunities

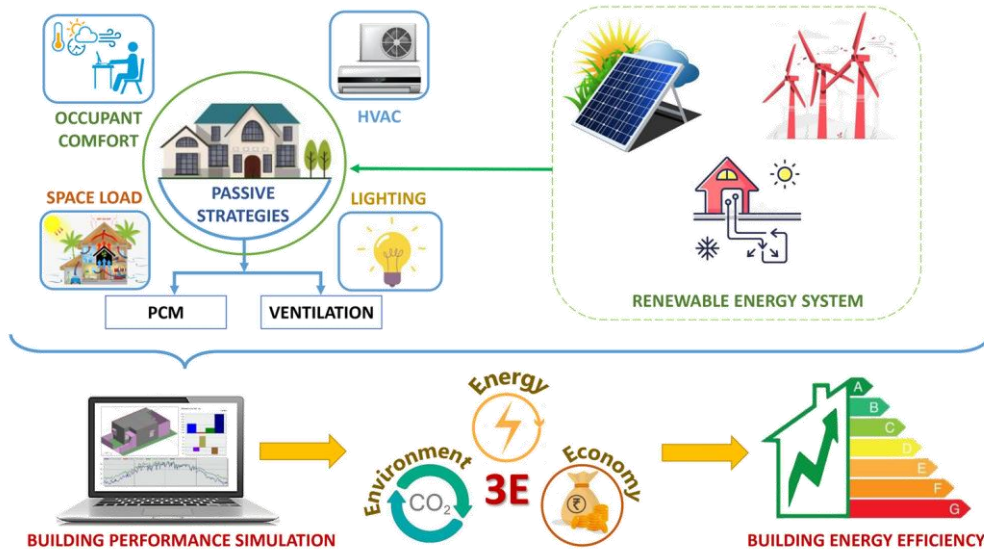
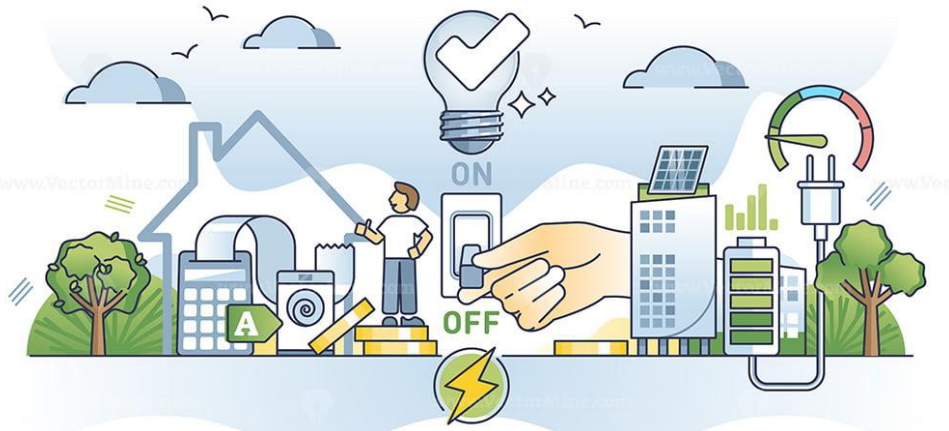


Image credit: Energies | Free Full-Text | A Review on Numerical Approach to Achieve Building Energy Efficiency for Energy, Economy and Environment (3E) Benefit (mdpi.com)

Individuals



<https://blog.shoptexaselectricity.com/significance-of-energy-conservation-why-it-matters/>

- All throughout our lives we use energy to complete daily tasks.
- For our comfort and convenience, our buildings also use energy. We can reduce the energy wasted in a building in several ways including:
 - Reducing the minimum electricity required (baseload) at any given time which then lessens the strain on the utility provider.
 - Reducing the consumption on the electricity bill, which may lead to savings.
 - Reducing the emission of greenhouses gases generated to produce this energy.
- There are two methods of reducing energy waste, they are:
 - Energy Efficiency
 - Energy Conservation

Individuals



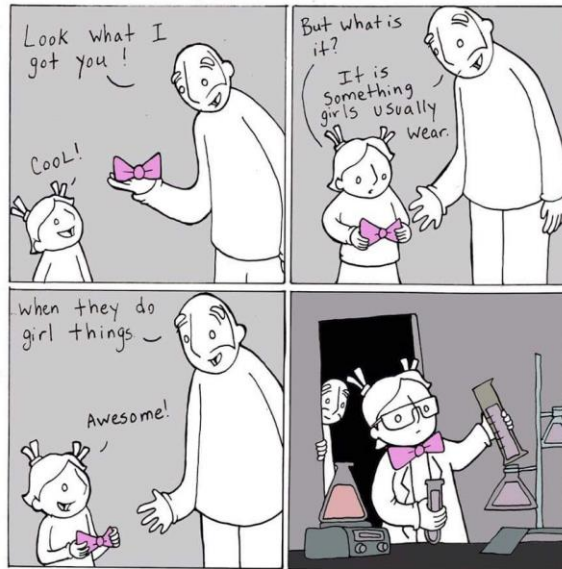
Sustainable Energy Careers

- **S**ite
- **R**esource
- **O**ff-taker
- **P**ermits
- **T**echnology
- **T**eam
- **C**apital
- **C**onstruction



Project Development Framework adopted from NREL

Women in Science and Engineering



www.lunarbaboon.com

Rosalind Franklin – Discovered DNA

Eunice Newton Foote - link between CO₂ in the atmosphere and warming of the atmosphere

Angela Rainford – CEO of Soleco

Ava Tomlin - Regional Director BMR Energy

Women bring different insights and will see details differently from men (Jason Andalcio)

Women involved in design of urban spaces led to better lighting and public bathrooms and seating

So it is important to have you in the space to see what you will do with the tools and where you will take the industry

CARICOM
**WOMEN IN
SUSTAINABLE
ENERGY**
NOMINATIONS



What Else Would You Like to Know?



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