



# The 2022 Pacific Islands Climate Collaborative Forum

## The Green Climate Fund – ENERGY

23 March 2022

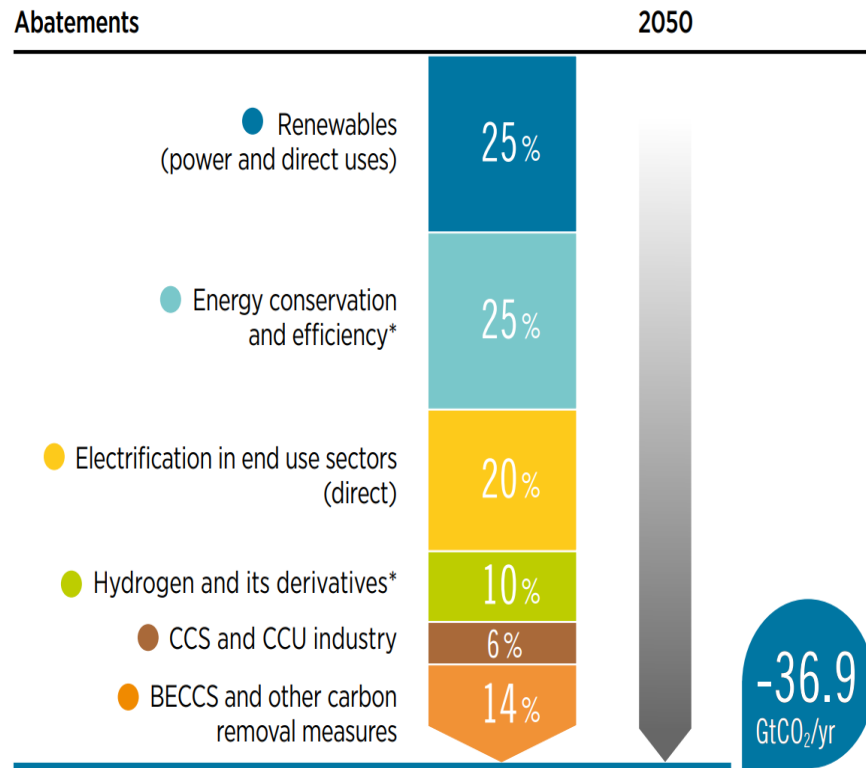
**Division for Mitigation and Adaptation (DMA)**

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## Carbon emissions abatements under the 1.5°C Scenario (%)



- **GCF Energy Generation & Access Guide** (forthcoming 2022)
- **GCF Energy Efficiency Guide** (forthcoming 2022)
- Both Guides are well aligned to the top three components of the abatement scenario
- Focused on deployment of mature technologies
- **GCF Updated Strategic Plan: 50/50 mitigation/adaptation**

Source: IRENA, World Energy Transitions Outlook 1.5° C Patchway, 2021

# Energy Generation & Access



## ➤ **Low Emission Power Generation**

Aims to improve the energy mix and is focused on mainly mature technologies such as geothermal energy, bioenergy, hydropower, ocean, solar and wind

## ➤ **Efficient and Reliable Energy Transmission, Distribution, and Storage**

Focuses on grid flexibility, digitalization, and storage to make systems more capable of efficiently and reliably operating with higher shares of renewables

## ➤ **Renewable Energy Access**

Focuses on cooking, grid connections and off-grid electricity such as green mini-grids and solar home systems for access in a way that promotes sustainable development and climate resilience for the societies while reducing emissions.

# Energy Efficiency



## ➤ **Industrial Energy Efficiency**

Focuses on shifting energy-intensive industrial processes (heat, recycling, and industrial innovations)

## ➤ **“Space” Energy Efficiency**

Reducing energy consumption in heating, cooling and lighting in industrial/commercial “spaces”

## ➤ **Appliances/Equipment Efficiency**

Programs focused on super-efficient appliances/equipment supply chains

# The GCF Business Model



GCF

- ✓ Receives project ideas, concepts and proposals from accredited entities (AEs)
- ✓ The GCF Board approves projects/programs proposed by AEs



AEs

- ✓ Int./ local/regional/national development banks, organizations, ministries
- ✓ Accredited for project management/grant/lending/equity/ guarantees
- ✓ May assign executing entity with special expertise to support implementation



Project

- Projects and programs with strong climate rationale for mitigation and adaptation receive financing

# Financing Instruments



- ✓ **Readiness and Project Preparatory Facility to help prepare investment plans and projects/programs for ensuing investments**
- ✓ **Funding for investments can be private (PSF) or public (DMA) and are channeled to the project/program through an AE**
- ✓ **Instruments deployed for investments can be grants, reimbursable grants, equity, debt, and guarantees; GCF can take positions in funds and is increasing looking at insurance products for adaptation projects**
- ✓ **More and more movement away from grant towards other “innovative” instruments more conducive for leveraging private sector investments to scale up**



# Thank you for listening!



## We look forward to hearing from you

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