

### **Blended Finance at IDB Invest**



IDB Invest is the partner choice for channeling blended finance resources for Latin America and the Caribbean.

>25% of concessional resources for climate in LAC¹ channeled through IDB Invest

\$731

million of partners resources under management

16 blended finance funds and programs under management

**72** 

blended finance investments closed

\$5.0 billion of investment leveraged through blended finance

>\$10

of investments mobilized for \$1 of partner' resources

**Our Partners** 















**ENABLE** 

**PILOT** 

REPLICATE/ SCALE

**MOBILIZE** 

Advisory Services to create positive influence in markets addressing the knowledge gap

Provide Blended Finance resources to demonstrate the viability of an innovative finance template or new technology / business model Replicate and adapt existing templates to open new markets by supporting early movers through Blended Finance

Structure Blended Finance intervention to maximize private / institutional investment

BATTERY ENERGY STORAGE SYSTEMS (BESS)
APPLICATIONS



Ancillary Services Transmission
Congestion Relief

Load Shifting

2021

2022

2022

## The case for BESS in Latin America and the Caribbean (LAC)

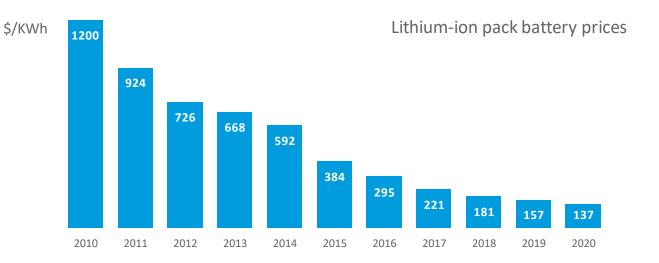




Source: IEA, Annual energy storage additions by country, 2015-2020, IEA, Parishttps://www.iea.org/data-and-statistics/charts/annual-energy-storage-additions-by-country-2015-2020







Source: BloombergNEF





### **Providencia Solar**

140 MWp Since Apr 2017

5.5 MW / 2.6 **Under Construction** MWh

**♥IDB Invest PROPARCO** 

NEOEN **Sponsor** 

**Senior Lenders** 





**BESS Lender** 

Capella Solar

101 MWp Since Feb 2020

3.0 MW/ Since Feb 2020 1.5 MWh

5.75 MW/ Under 3.0 MWh Construction

NEOEN **Sponsor** 

**Senior Lenders** 

**BESS Lender** C2F

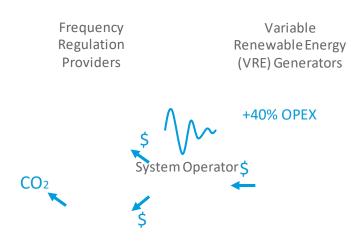
**♥IDB Invest -P**ROPARCO

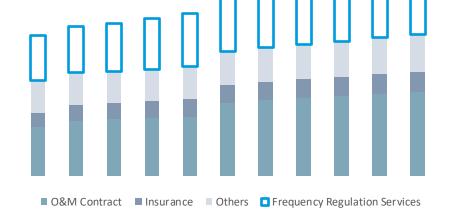
# **FMO**

# The issue: frequency regulation in El Salvador

**VRE OPEX** 

**VRE + BESS OPEX** 





Frequency Regulation **Providers** 

Variable Renewable Energy (VRE) Generators









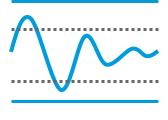


IDB Invest



## dressing Technology Risk through Blended Finance





PERFORMANCE RISK

RESIDUAL VALUE RISK

RISK

TECHNOLOGY PROVIDER
TRACK RECORD

CONCESSIONAL ENHANCEMENT

BESS LOAN TENOR
MATCHING BESS
GUARANTEED PERIOD

PRINCIPAL DEFERRAL
MECHANISM OF THE BESS
LOAN
(Pay-As-You-Save)

Senior Lenders

**BESS Lender** 

**BESS Lender** 

**Senior Lenders** 

**MITIGANTS** 

- Due Diligence on Technology
  Provider
- Due Diligence on O&M Provider
- Sponsor Track Record
- Independent Engineer
   Monitoring Agreement

- Independent Engineer
  Performance Simulation
- Cash Sweep Mechanism
- Due Diligence on Technology Provider
- Due Diligence on O&M Provider

- Independent Engineer
   Monitoring Agreement
- Exposure to an already operating solar asset

