Economic Community of West African States (ECOWAS) – Regional Battery Energy Storage Systems Project (BEST)
West African Power Pool (WAPP) Integration Process

Hard Interconnection
- 4200 km of HV Lines
- 34 Substations
- ICC and Dispatch Centers
- Synchronization Equipment

Soft Interconnection
- Operational rules
- Market rules
- Ancillary Services
- Regional Entities (ERERA & ICC)
- Creditworthy utilities

Power Market
- Phase I
- Phase II
- Phase III

World Bank Support

• CLSG
• OMVG
• OMVS
• Guinea-Mali
• North Core
• Regional Solar
• Regional Access SOP

• ITAP
• DPFs
• BE3S
What is BEST about?

- The project aims at fostering the regional energy market by promoting synchronization through financing activities of ancillary services, and seeks to build the regional institutions under ECOWAS.

- Countries: Côte d’Ivoire, Mali, and Niger.
BEST Key Features

- Joint Procurement/ Economies of Scale
- Harmonized and Standardized Equipment
- Rapid implementation
- Regional Funds
# Capacity of Battery Storage

<table>
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<tr>
<th>Country</th>
<th>Substation name</th>
<th>BESS [2022]</th>
<th>BESS [2025]</th>
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<td>BOUNDIALI 225/90 KV</td>
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<td>120</td>
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<td>ODIENNE 90 kV</td>
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<td>Mali</td>
<td>SIRAKORO 150 kV</td>
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<td>GAZAOU</td>
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<td>100</td>
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<td>GOROU BANDA</td>
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Merged Project - Project financing: IDA: $156m

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Niger

GOROU02_330

Nigeria

Burkina Faso

Togo Benin

GAZAO106_132

Legend
2022 –
2025 –

Renewables Installed
127 MW
470 MW

2
Project institutional arrangement
Thanks!