

PACIFIC

Project Brief

PAPUA NEW GUINEA

Kimbe-Biala Transmission Line

The Asian Development Bank (ADB) has supported the Government of Papua New Guinea (PNG) and the PNG Power Limited to construct a 150-kilometer high voltage transmission line linking the West New Britain Provincial capital Kimbe and the township of Bialla. The transmission line will connect renewable energy from existing hydropower and biomass facilities and bring electricity to households, schools, and medical clinics along the alignment.

The project will connect the existing Lake Hargy hydropower plant near Bialla with spare capacity (1 megawatt) back to the provincial capital of Kimbe to replace expensive diesel-generated power. The project will also connect a palm oil plantation, which generates power from waste biomass (3 megawatts) for sale back to the grid. It is estimated that the project will replace between 60% and 80% of diesel-generated power in Kimbe with clean and reliable renewable energy.

The project is significantly improving access to energy for the communities along the transmission line, and is bringing electricity to over 8,000 residents for the first time. Additionally, 46 school buildings, 4 church buildings, and 2 medical clinics will be electrified.

Construction commenced in July 2016 and is scheduled for completion in July 2017. The project is supported through ADB-administered Town Electrification Investment Program, a \$150 million multitranche financing facility program. The facility is supporting a range of investments in new and refurbished hydropower plants and transmission and distribution powerlines, including:

- Divune hydropower plant in Oro Province,
- Ramazon hydropower plant in the Autonomous Region of Bougainville,
- Lake Hargy hydropower plant,
- Warangoi hydropower plant, and
- Yonki Toe-of-dam hydropower plant.



Energy



ADB Energy Operations in the Pacific

■ Ongoing
 ■ Completed
 ■ Planned

REGIONAL

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| Preparing the Pacific Renewable Energy Investment Facility (formerly Increasing Access to Renewable Energy) (TA) | \$5.00 M |
| Establishment of the Pacific Region Infrastructure Facility Coordination Office (TA) | \$16.30 M |
| Pacific Renewable Energy Investment Facility | \$10.00 M |

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| Preparing the Electricity System Strengthening and Sustainability (TA) | \$1.00 M |
| Electricity System Strengthening and Sustainability | \$51.00 M |

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| Implementation of the Electricity Industry Policy (TA) | \$1.00 M |
| Improved Energy Access for Rural Communities | \$6.00 M |
| Port Moresby Power Grid Development | \$83.00 M |
| MFF: Town Electrification Investment—Tranche 1 | \$73.77 M |
| MFF: Town Electrification Investment—Tranche 2 | \$76.60 M |

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| Yap Renewable Energy Development Project | \$11.16 M |
| Chuuk Renewable Energy Project | \$25.00 M |
| Kosrae Renewable Energy Project | \$15.00 M |
| Pohnpei Renewable Energy Project | \$66.30 M |
| Yap Renewable Energy Development Project (Phase 2) | \$11.00 M |

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| Electricity Supply and Sustainability Project and TA for Tariff and Subsidy Reform | \$12.94 M |
| Solar Power Development Project | \$30.00 M |

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| Majuro Power Network Strengthening (TA) | \$0.70 M |
| Refurbishing Majuro Fuel Tank Farm Project | \$5.00 M |
| Strengthening Majuro Distribution Network Project | \$20.00 M |

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| Power Sector Expansion | \$100.00 M |
| Renewable Energy Development and Power Sector Rehabilitation | \$32.59 M |
| Hydropower Development Project | \$45.00 M |

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| Renewable Energy Sector Project | \$29.85 M |
| Renewable Energy Sector Project (additional financing) | \$12.00 M |

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| Energy Access Project | \$15.10 M |
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| Cyclone Ian Recovery | \$10.70 M |
| Outer Island Renewable Energy | \$18.83 M |
| Outer Island Renewable Energy (additional financing) | \$7.00 M |
| Renewable Energy Project | \$84.00 M |

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| Preparing the Solar Power Development (TA) | \$0.50 M |
| Provincial Renewable Energy | \$15.00 M |
| Solar Power Development | \$15.20 M |
| Tina River Hydropower Plant | \$234.00 M |

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| Support for Energy Sector Regulatory Capacity and Electrification (TA) | \$1.10 M |
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M = million, MFF = multitranche financing facility, TA = technical assistance.
 Source: ADB Pacific Department.



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