



## Nigeria Electricity and Gas Improvement Project (NEGIP) (P106172)

AFRICA | Nigeria | Energy & Extractives Global Practice |  
IBRD/IDA | Specific Investment Loan | FY 2009 | Seq No: 15 | ARCHIVED on 20-Jul-2017 | ISR28276 |

Implementing Agencies: TCN - Project Management Unit, Federal Ministry of Finance

## Key Dates

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Bank Approval Date:16-Jun-2009

Effectiveness Date:21-Jul-2010

Planned Mid Term Review Date:15-Sep-2014

Actual Mid-Term Review Date:15-Sep-2014

Original Closing Date:31-Dec-2014

Revised Closing Date:31-Dec-2017

## Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The development objectives of the Project are to: (i) improve the availability and reliability of gas supply to increase power generation in existing public sector power plants; and (ii) improve the power network's capacity and efficiency to transmit and distribute quality electricity to the consumers.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

## Components

Name

Transmission Investments:(Cost \$107.80 M)

Distribution Investments:(Cost \$72.20 M)

Technical Assistance:(Cost \$16.00 M)

Incremental Operating Cost:(Cost \$2.00 M)

## Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Unsatisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Moderately Unsatisfactory	● Moderately Satisfactory
Overall Risk Rating	● Substantial	● Substantial



## Implementation Status and Key Decisions

**Distribution component** The distribution subcomponent is implemented through 22 supply and installation contracts with a total contract value of US\$73 million equivalent. As of June 2017, implementation of 18 contracts are completed with 40,00 prepaid meters and 510,000 kVA distribution transformers installed and operational, the 4 remaining contracts are ongoing and are expected to be fully completed by September 2017.

**Transmission Component.** The transmission subcomponent is implemented through 10 supply and installation contracts and 1 civil works contract with a total contract value of US\$155 million equivalent. The civil contract was completed in October 2016. 4 of the 10 supply and installation contracts were signed in 2012. Completion of 3 contracts is now expected between June and December 2017, and 240,000 MVA substation transformers are already installed and operational. 6 supply and installation contracts were signed in March and June 2016 and were scheduled to be completed by December 2017 (the closing date of the project), but may now extend to June 2018, as the original schedule which would be quite challenging to completed these contracts in 18 months instead of the standard construction time of 24 months for these types of contracts.

**Technical assistance component.** The TA component is supporting consulting assignments that are critical for the Power Sector Recovery Program. They include preparation of a Communications Strategy for the PSRP and a diagnostic study of the performance of DISCOs. Other key TA activities include consulting services for construction contract supervision, a transmission master plan study being carried out by Fichtner (the preliminary report was delivered in October 2016 and final report is expected in August 2017).

**Guarantee Component.** A guarantee in the amount of US\$112 million (\$28 million IDA commitment) in support of the gas supply agreement between Accugas and Calabar power plant was approved (as a Supplement to the NEGIP PAD) by the World Bank Board on August 5, 2016. Execution of the guarantee was achieved on June 28, 2017 when the Indemnity Agreement between IDA and the FGN was signed. The remaining allocation in the guarantees component (IDA G2140 was terminated and IDA G2020) was cancelled on 12 June 2017.







## Risks

### Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	--	● High	● High
Macroeconomic	--	● Substantial	● Substantial
Sector Strategies and Policies	--	● High	● High
Technical Design of Project or Program	--	● Moderate	● Moderate
Institutional Capacity for Implementation and Sustainability	--	● Moderate	● Moderate
Fiduciary	--	● Moderate	● Moderate
Environment and Social	--	● Moderate	● Moderate
Stakeholders	--	● Moderate	● Moderate
Other	--	--	--
Overall	--	● Substantial	● Substantial

## Results

### Project Development Objective Indicators

#### ► Gas supply to public sector power plants covered under the PRG framework (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2900 mmscf/month	No gas is being supplied to public power plants under the PRG Framework as no IDA Guarantees for gas supply agreements have yet been executed.	Following execution of the Guarantee for the Gas Supply Agreement (GSA) on June 28, 2017, natural gas will be supplied under the GSA to the Calabar power plant owned by NDPHC. The expected volume under this GSA is 131 mmscf/month.	131 mmscf/month under the Accugas-Calabar GSA (Revised after restructuring)
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017



► Interruptions in gas supply to public sector power plants covered under the PRG scheme (number per month) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	0.00	0.00	8.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

► Additional power generation from increased gas supply covered under the PRG framework (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	560.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

► Additional Transmission capacity (Kilovolt-Amphere(KVA), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	120,000.00	240,000.00	600,000.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

► Additional Distribution Capacity (Kilovolt-Amphere(KVA), Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	510,000.00	510,000.00	495,400.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

► Distribution system losses (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	32.00	32.00	32.00	24.00
Date	31-Dec-2011	16-Dec-2016	10-Jul-2017	31-Dec-2017

► New connection with operating meters (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	40,000.00	40,000.00	40,000.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

► Direct project beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	52,600.00	52,600.00	400,000.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

▾ Female beneficiaries (Percentage, Custom Supplement)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.00	50.00	50.00

## Overall Comments

## Intermediate Results Indicators

## ▶ Contract supported by PRG signed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1.00	1.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

## ▶ Substations rehabilitated/reinforced (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	16.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

## ▲ 330/132 kV (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	8.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017





#### ▲ 132/33 kV (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	4.00	8.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

#### ▶ Number of shut downs due to equipment failures (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	60.00	60.00	60.00	10.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

#### ▶ Distribution transformers installed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3,567.00	3,567.00	5,173.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

#### ▶ Revenue collection ratio in selected clusters (cumulative % increase) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	85.00	30.00	30.00	90.00
Date	19-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017



▶ Number of staff trained (cummulated): (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	706.00	706.00	697.00
Date	16-Jun-2009	16-Dec-2016	10-Jul-2017	31-Dec-2017

▲ Staff PMU (EMS) (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	112.00	112.00	95.00

▲ Staff FME (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	15.00

▲ Staff NBET (Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	16.00	16.00	10.00


**▲ Staff Gas Group (PHCN) (Number, Custom Supplement)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	30.00	30.00	25.00

**▲ Staff DPR (Number, Custom Supplement)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00

**▲ Staff TCN/Market OP (Number, Custom Supplement)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	469.00	469.00	58.00

**▲ Staff NAPTIN (Power Sector staff trained) (Number, Custom Supplement)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	240.00	240.00	470.00





## ▶ Stakeholder forum meeting every six months (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8.00	8.00	14.00
Date	19-Jun-2009	16-Dec-2016	16-Dec-2016	31-Dec-2017

## Overall Comments

## Data on Financial Performance

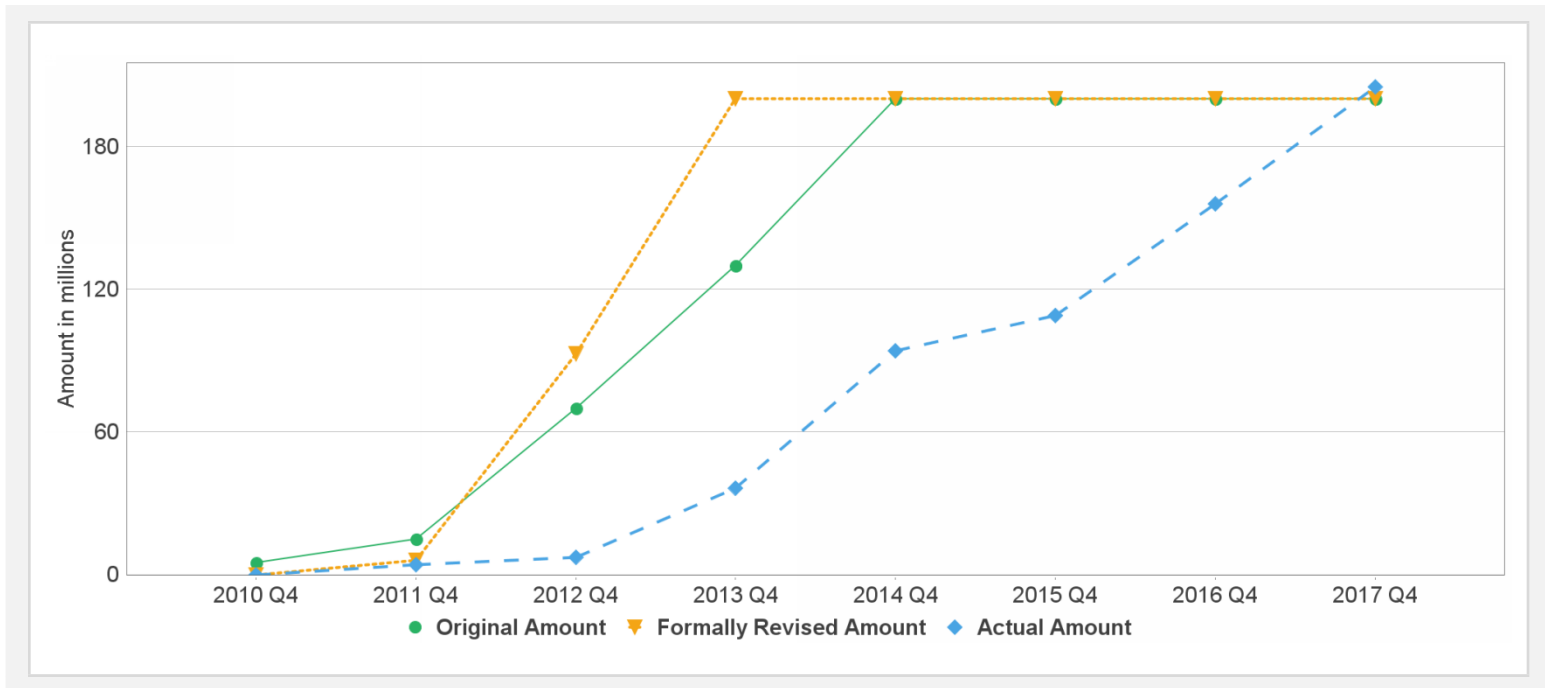
## Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P106172	IDA-46200	Effective	USD	200.00	200.00	0.00	157.71	38.16	 79%
P106172	IDA-51280	Effective	USD	100.00	100.00	0.00	47.43	41.89	 47%

## Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P106172	IDA-46200	Effective	16-Jun-2009	11-May-2010	21-Jul-2010	31-Dec-2014	31-Dec-2017
P106172	IDA-51280	Effective	19-Jun-2012	08-Jul-2014	12-Dec-2014	31-Dec-2017	31-Dec-2017

## Cumulative Disbursements



## Restructuring History

There has been no restructuring to date.

## Related Project(s)

P114277-Nigeria Electricity and Gas Improvement Project (NEGIP) ,P126182-Nigeria Electricity and Gas Improvement Project (add. financing)