



SUDAN

Abyei (disputed)

ETHIOPIA

**CENTRAL
AFRICAN
REPUBLIC**

SOUTH SUDAN

**Ilemi Triangle
(disputed)**

Juba

DR CONGO

KENYA



Energy Situation in South Sudan

- **Presented by/**
- **Santino Fardol Watod**
- **Deputy Head of Mission**
- **Embassy of South Sudan-Berlin**

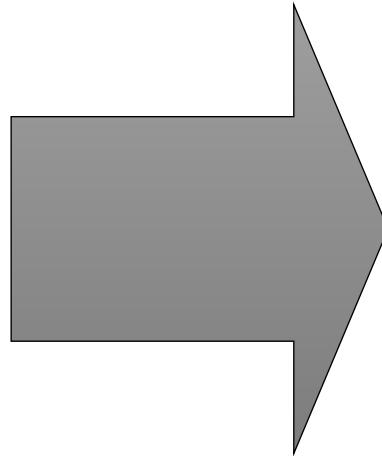
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Facts about South Sudan

North

States

- Full name: Republic of South Sudan
- National Day: 9 July
- Population: 8,260,490
- Capital: Juba
- Area: 644,329 square kilometers
- Major languages: English (official) Arabic, Juba Arabic, Dinka, others



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Bahr

el

Ghaza

Political

- Stable democratic system-election every five years.
- Legislative system-(upper and lower house)
- Independence judiciary system

Legal

- Robust commercial legal environment
- Land Act in place to promote private sector investment
- Established regulatory environment
- Directed by rule and law

Economic

- One of the fastest growing economies in Africa-with a priority to shift away from oil
- Subsistence farming and cattle-herding in rural areas
- Artisanal gold mining throughout the country

Security

- Peaceful transition to independence
- Continuing efforts to improve security

Excellent
Environment

Energy Projects in South Sudan

Committed Generation Projects (1)

N°	Project Name	Location	Type	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
1	Electrification of States Capitals	- Aweil - Bentiu - Juba - Torit - Warrap	Thermal	60	- Contractor selected	Work started	2014	Provide power
2	Fula Rapids	Nimule	Hydro	40	- PPP & GRSS 25% - Norway 75%	GRSS has to pay 25%	2017	Improve power in Juba
3	Beden	CE	Hydro	540	-Contractor selected China Genzhouba Group Limited (CGGC)	China Exim-Bank yet to approve loan	2020	Provide cheap reliable power while exporting to East-Africa

- CE = Central Equatoria
- PPP = Public Private Partnership
- GRSS = Government of the Republic of South Sudan

Energy Projects in South Sudan

Committed Generation Projects (2)

N°	Project Name	Location	Type	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
4	Grand Fula	ECE	Hydro	890	- Contractor selected AAE-America Company	Currently funding is being mobilised	2019	- Cheap power - Reliable - Export to East- Africa
5	Tharjath	Unity State	Themarl	240	- Not yet	China Exim-Bank	2017	- Cheap power - Complementary to hydro dams
6	Kinyeti	ECE	Mini-Hydro	2	- Sino Hydro Corporation	China Exim-Bank	2015	- Power supply to Torit Town

➤ ECE = Eastern Central Equatoria

Energy Projects in South Sudan

Committed Transmission Line Projects

N°	Name	Description	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
1	Fula-Juba Line	157km-132kv single circuit line 132km-33kv,	40	Evaluation process to select Tenders	- GRSS-GNorway - Norwegian private sector	2016	- Evacuate power from the project site to Juba
2	Ethiopia-South Sudan Line	- 440km-220kv line-Jekou and Malakal	100	CHMC	China Exim-Bank yet to release funds for construction	2016	- Interconnection grid and import of power from Ethiopia
3	Renk-Malakal Line	320km-220kv-Melut	130	Contractor (CMEC)	- China Exim-Bank requested to provide funding	2016	- Interconnection grid and import of power from Sudan

- China Heavy Machinery Corporation
- GRSS/GNorway = Government of South Sudan/Norway
- CMEC = China Machinery Engineering Corporation

Energy Projects in South Sudan

Non-Committed Generation Projects

N°	Project Name	Location	Type	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
1	Palouge	Upper Niles State	Thermal	250	Investors yet be secured	Not yet selected	2017	To support refinery
2	Sue	Western Bahr el Ghazal State	Mini-Hydro	12	Investors yet to be secured	GRSS has to pay 25%	2017	To provide cheap energy for Wau town and Warrap State

➤ GRSS = Government of the Republic of South Sudan

Energy Projects in South Sudan

Non-Committed Transmission Projects (1)

N°	Name	Description Location	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
1	Tharjath-Rumbek Line	180km-400kv	650	There are ongoing negotiations to indentify contractor	No investor yet identified	2017	To provide power to Western and Southern States of SS
2	Rumbek-Wau Line	240km-400kv	650	There are ongoing negotiations to indentify contractor	No investor yet identified	2017	To provide power to Western States of SS
3	Rumbek-Ramchiel-Juba Line	480km-400kv	650	There are ongoing negotiations to indentify contractor	No investor yet identified	2018	Interconnection with hydropower plants located in Central and Eastern Equatoria

➤ SS = South Sudan

Energy Projects in South Sudan

Non-Committed Transmission Projects (2)

N°	Name	Description Location	Capacity (MW)	Implementation Status	Funding Status	Expected Commissioning	Objective
1	Malakal-Bor-Juba Line	500km-400kv	650	There are ongoing negotiations to identify contractor	No investor yet identified	2019	Interconnection with Sudan, Ethiopia and hydropower plants in Eastern and Central Equatoria States
2	Juba-Torit-Kapoeta Line	480km-400kv	130	There are ongoing negotiations to identify contractor	No investor yet identified	2019	To provide power to Torit, Kapoeta and cement factory
3	Juba-Nimule-Uganda Line	240km-400kv	650	There are ongoing negotiations to identify contractor	No investor yet identified	2019	Interconnection with with East Africa power pool

Summary

Committed Generation Projects

1. Electrification of state capitals
2. Fula Rapids
3. Beden
4. Grand Fula
5. **Tharjath**
6. Kinyeti

Non-Committed Generation Projects

1. **Palouge**
2. **Sue**

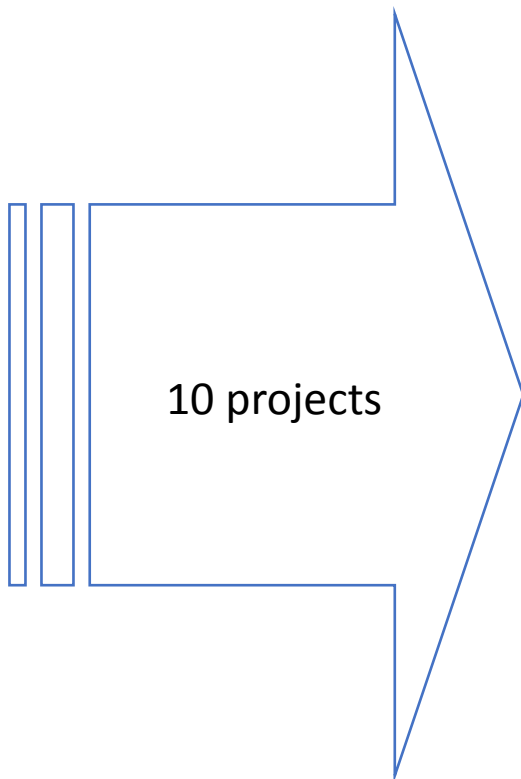
Committed Transmission Line Projects

1. Fula-Juba Line
2. Ethiopia-South Sudan Line
3. Renk-Malakal Line

Non-Committed Transmission Line Projects

1. **Tharjath-Rumbek Line**
2. **Rumbek-Wau Line**
3. **Rumbek-Ramchiel-Juba Line**
4. **Malakal-Bor-Juba Line**
5. **Juba-Torit-Kapoeta Line**
6. **Juba-Nimule-Uganda Line**

 = No Investors selected for this projects



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Thank you!