The Angololo Water Resources Development Project (AWDP) is located on the trans-boundary Malaba River that is between Kenya and Uganda and it falls within the Sio-Malaba Malakisi (SMM) River Basin within the Lake Victoria sub basin.

The project consists of a proposed 40 metre high dam with a reservoir capacity of 31.6 million cubic metres that will supply potable water to 270,000 people and irrigate 4,000 hectares in Kenya and Uganda. The dam will generate 1.3 MW hydropower. The project has a catchment area of 430 kilometres squared. In total the Angololo Water Resources Development Project is expected to benefit at least 270,000 people from Tororo, Manafwa, and Namisindwa districts in Kenya and Uganda.

The Angololo Water Resources Development Project comprises a dam with storage capacity of 31.6 million cubic metres that will supply potable water to 270,000 people and irrigate 4,000 hectares in Kenya and Uganda. The dam will generate 1.3 MW hydropower. The project has a catchment area of 430 kilometres squared. In total the Angololo Water Resources Development Project is expected to benefit at least 270,000 people from Tororo, Manafwa, and Namisindwa districts in Kenya and Uganda.

**THE ANGOLOLO PROJECT IN NUMBERS**

- **31,600,000**
  - Project comprises a dam with storage capacity of 31.6 million cubic metres

- **1.3MW**
  - Project will generate 1.3 MW hydropower plus additional from floating solar

- **270,000**
  - The project will supply potable water to over 270,000 people

- **4,000**
  - The dam will irrigate 4,000 ha in Kenya and Uganda

**ABOUT THE ANGOLOLO PROJECT**

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**THE GOVERNOR OF BUSIA COUNTY (KENYA) HON. SOSPETER OJAAMONG & THE DIRECTOR OF WATER RESOURCES OF UGANDA MS FLORENCE ADONGO (FRONT SEATED) DURING THE LAUNCH OF ANGOLOLO WATER RESOURCES PROJECT**
Eastern Uganda and Busia and Bungoma Counties in Kenya through employment creation, irrigated agriculture, piped water supply, hydropower generation, and livestock and fisheries production. The Angololo project was identified by Kenya and Uganda in collaboration with Nile Equatorial Lakes Subsidiary Action Program (NELSAP) through its Sio Malaba Malakisi (SMM) River Basin Management (RBM) project. NELSAP-CU conducted its pre-feasibility studies in 2010 with grant financing from the Royal Government of Sweden and the Royal Government of Norway. Following this identification study, the Governments of Kenya and Uganda formally requested NELSAP to integrate it into its pipeline of natural resources projects for further appraising and development.

The project was approved during the 18th Nile Equatorial Lakes Council of Ministers (NELCOM) meeting held in Entebbe, Uganda on 13th October 2015 and was included into the African Development Bank (AfDB) pipeline (IOP) for the year 2016 - 18 to seek possible funding support. NELSAP-CU/NBI was mandated in the signed MOU between Uganda and Kenya to support in mobilization of resources for preparation of the investment project. NELSAP-CU approached AfDB Eastern Africa Regional Centre (EARC) for funding to undertake preparation studies. The project has been rated as a priority project in both the AU NEPAD IPPF indicative project pipeline (2016-2020) and the countries ADF-14 Programming Cycle.

NELSAP-CU undertook preparatory work. This involves a full feasibility study, conceptual and detailed designs, preparing tender documents, conducting social and environmental impact assessment (ESIA) developing a resettlement and compensation action plan (RCAP) and project implementation preparation, in order to secure the financing required to implement the project.

**EXECUTING AGENCIES**

The Nile Equatorial Lakes Subsidiary Action Program (NELSAP-CU) in collaboration with the republic of Kenya and the republic of Uganda.

**PREPATORY STUDY BUDGET:** USD 1.5 Million from the African Development Bank (AfDB)/NEPAD - IPPF, USD 0.15 million from the Republics of Kenya and the Republic of Uganda, and USD 0.18 in-kind contribution from NELSAP.

**PROJECT STUDY DURATION:** 28 months. From July 2020 to November 2022.

**LOCATION:** Eastern Uganda (Tororo, Namisindwa, and Manafwa districts) and Western Kenya (Busia County)

**PARTICIPATING STATES:** The Republic of Kenya and the Republic of Uganda

**DEVELOPMENT PARTNERS:** African Development Bank (AfDB)/ New Partnership for Africa’s Development Infrastructure Project Preparation Facility (NEPAD-IPPF) Special Fund; the Republic of Kenya and the Republic of Uganda

**KEY PROJECT DATES**

- **2010** - Project Identification by NELSAP and Countries and Pre-feasibility by NELSAP.
- **2015** - Month of October, the Nile Council of Ministers Approve the Angololo Project.
- **2016** - Month of March, Appraisal by Countries.
- **2019** - Month of March, Grant Letter between NEPAD-IPPF and NELSAP Signed.
- **2019** - Month of July, Launch of the Project, Start of Stakeholder Engagement & First Regional Project Steering Committee (RPSC) Meeting.
- **2020** - Project Preparatory Studies Include: FS, DD, Tender Documents, ESIA, RCAP, ESMP, EPP.
- **2020** - Month of March, Community Sensitization and Awareness Meetings Commence.
- **2021** - November 2022, Conclusion of Feasibility Study.

**DETAILS OF THE ANGOLOLO STUDIES**

**Project Study Objectives**

The Angololo project studies assessed the potential and viability for multipurpose water resources development in irrigated agriculture, hydropower generation, livestock development, water supply, flood control, drought mitigation, aquaculture, etc., coupled with restoration of the associated sub-catchments.

**Angololo Project Study Outputs**


**STUDY FINDINGS - ECONOMIC ANALYSIS**

In economic terms, the Angololo Water Resources Development project is viable, giving an Economic Internal Rate of Return (EIRR) of over 14% at all the discount rates of 5, 10, 11, and 11.5%. The EIRR value obtained is higher than the prevailing Economic Opportunity Cost of Capital (EOCK) for both Uganda (11%) and Kenya (11.5%). At the prevailing EOCK rates of Kenya and Uganda, the economic analysis results show a positive NPV value (USD 24.89 Million for Uganda; and USD 19.52 Million for Kenya); and both the Benefit Cost Ratio (BCR) and Net benefit to investment ratio (N/K) ratio are greater than 1, which demonstrates that the project is economically viable.
The objective of the AWDP is to alleviate poverty in the project area by transforming the existing subsistence farming into large-scale commercial farming of irrigated lands producing principally high value horticultural crops. Increase adaptation to climate change, reverse environmental degradation, improve water supply and sanitation, strengthen trans-boundary cooperation, promote agro-processing and crop and livestock production.

The objectives of the Angololo Project are in line with GoU and GoK policies and enhances efforts towards poverty reduction; institutional development and capacity strengthening; gender equality; economic, social, political, and cultural rights. The Angololo Project design has been holistic with agricultural livestock water use factored into the general approach.

On 17th of July 2019, NELSAP-CU together with representatives of Kenya and Uganda officially launched the Feasibility phase of the USD 1.65 million Angololo Project that is being funded by the African Development Bank AfDB (USD 1.5 million) and the Republics of Kenya and Uganda (each USD 75,000). The project was officially launched by the Governor of Busia, Kenya Hon. Sospeter Ojaamong and the Director of Water Resources of Uganda Ms Florence Adongo, who was representing the Hon. Uganda Minister for Water and Environment. The launch was held in Entebbe, Uganda.

In March 2020 the process of creating the independent The International Dam Safety Panel of Experts (DSPoE) was completed.

The panel consisted of key experts in hydrology, geology and dam design and construction engineering. The panel reviewed and advised NELSAP on matters related to dam safety and other critical aspects of the dam like dam structures, catchment area, reservoir, power facilities, dam filling up and river diversion among others.
Kenya and Uganda formed a Regional Project Steering Committee (RPSC) that is composed of representatives of the Permanent/Principal Secretaries of the Ministries responsible for Water, Irrigation, Agriculture and Finance in both countries.

The RPSC provided supervisory, advisory and strategic guidance to this full feasibility phase of the project. The RPSC was in charge of approving project work plans, approving budgets, approving procurement plans and is providing a linkage with the relevant national institutions to ensure counterpart support to the project. The RPSC was also responsible for facilitating joint agreements, linkages and reporting back to the parent ministries.

The RPSC coordinated the implementation of the Angololo project and its prioritization in the participating countries’ National Development Plans (NDPs).

The Director of Trans-boundary Water Resources of Kenya Ms. Gladys Wekesa lead the Kenyan representation to the Steering Committee while the Uganda side was led by Mr. Jackson Twinomujuni, the Commissioner for International and Trans-boundary Water Affairs of Uganda. RPSC has a rotational Chair alternating between the Permanent/Principal Secretaries of the two countries on an annual basis.

The Nile Equatorial Lakes Subsidiary Action Program Coordination Unit (NELSAP-CU) headquartered in Kigali, Rwanda, is one of the two investment programs of the Nile Basin Initiative (NBI), the other being the Eastern Nile Subsidiary Action Program (ENSAP) headquartered in Addis Ababa, Ethiopia known as Eastern Nile Technical Regional Office (ENTRO). NELSAP-CU was established in December 1999 by the Council of Ministers for Water Affairs in the Nile River Basin, with a mission to “contribute to the eradication of poverty, promote economic growth, and reverse environmental degradation in the Nile Equatorial Lakes (NEL) region, within the overall NBI’s shared Vision of sustainable socioeconomic development and the equitable use of and benefit from Nile Basin water resources”, NELSAP-CU is governed and reports to the Council of Water Ministers from 10 Nile Basin membership states of Burundi, DR Congo, Egypt, Ethiopia, Kenya, Rwanda, South Sudan, Sudan, Tanzania and Uganda.

**TIME SCHEDULE FOR IMPLEMENTATION - 28 MONTHS**

US Dollars 1,650,000 including 1,500,000 from the African Development Bank (AfDB) NEPAD-IPPF Grant and 75,000 Country Contributions from the Governments of Kenya and Uganda.