



Hydropower in Rwanda

On Going Initiatives & Investment Opportunities

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Hydro-Geographical Location

Hydrological Location: Rwanda is situated between two major African drainages:

- Congo River
- Nile River

Main Rwanda Rivers:

- Akagera
- Nyabarongo
- Mukungwa
- Rukarara
- Akanyaru
- Rusizi



Existing Off-Grid UNIDO & Community Based Mini HPP

- ✧ 200 kW Agatobwe Mini HPP
- ✧ 100 kW Nyamyotsi I Mini HPP
- ✧ 100 kW Nyamyotsi II Mini HPP
- ✧ 200 kW Mutobo HPP



The impact of UNIDO Mini HPP

The positive impact of these four UNIDO Mini HPP is so huge:

- ✧ Lighting in house holds
- ✧ Lighting of local government offices, primary school, health and commercial centers in the proximity of the mini hpp.
- ✧ Mini and micro businesses are operational in the supplied areas.
- ✧ Access to information via the world wide web, thanks to presence of electricity
- ✧ **LIVES ARE CHANGED FOR THE BETTER**



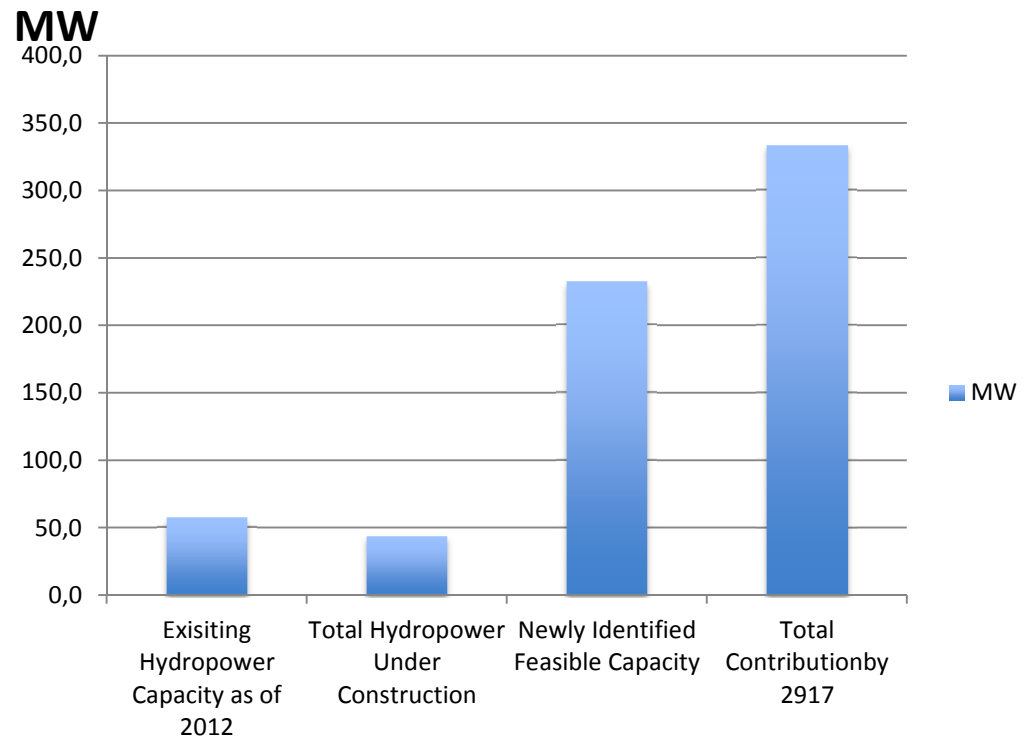
Large Hydropower Projects Ready for Investment

- ✧ 17 MW Nyabarongo II Project
- ✧ 145 MW Rusizi III Project
- ✧ 287 MW Rusizi IV Project
- ✧ 90 MW Rusumo Project
- ✧ 4 MW Akanyaru Project
- ✧ 2 MW Ntaruka A Project
- ✧ 9 MW in 4 Bandles Project
- ✧ 15 MW sum of 99 Micro Project



Development of Large hydropower projects in Rwanda

- Total existing Hydropower installed capacity (as of July 2011) is 57.39 MW
- Total Hydropower capacity under construction is 44 MW
- Total new identified and feasible capacity is 232 MW
- Total hydropower contribution by 2017 will be 334 MW



1. Nyabarongo II

- It is a multipurpose project (Hydropower, Water Supply and Irrigation)
- Feasibility Study is complete
- Project is called for IPP Investment
- Approximate Investment Cost is USD150,000,000/-



2. Rusizi III Project

- The 145 Project is shared by three countries : Rwanda, Burundi and D.R. Congo
- The project is being developed under CPGL umbrella
- Project is is a PPP
- Approximate Investment Cost is USD561,000,000/-



2. Rusizi IV Project

- The 387 MW Rusizi Project is also shared by three countries : Rwanda, Burundi and D.R.Congo
- The project is being developed under CPGL umbrella
- Project is is a PPP
- Approximate Investment Cost is USD 432,000,000/-



2. Rusumo Project

- The 90 MW Rusizi Project is shared by three countries : Rwanda, Burundi and Tanzania
- The project is being developed under NELSAP umbrella for Rw, Bu and TZ.
- Project is structured as Publicly Financed but Privately Managed.
- Approximate Investment Cost is USD 400,000,000/-



Investment Opportunity in Hydropower of Rwanda

Privatization of some HPP

1. Rukara HPP of 9 MW

2. Rugezi HPP of 2.2 MW

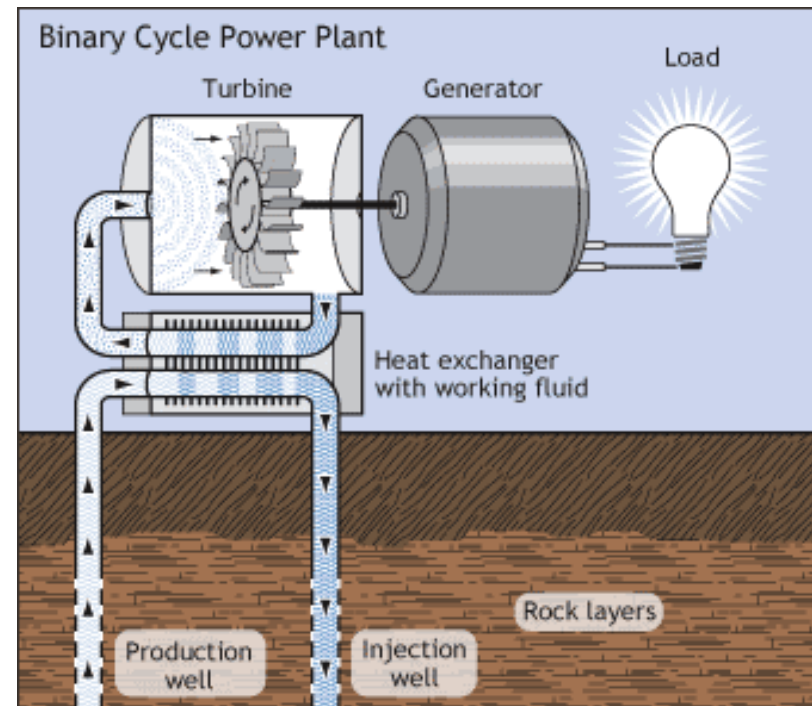
3. Keya, Nkora and
Cyimbili of 3.2 MW

4. Other Plants of Mini
and Micro Sizes



Multiple Areas of Investment in Energy Sector

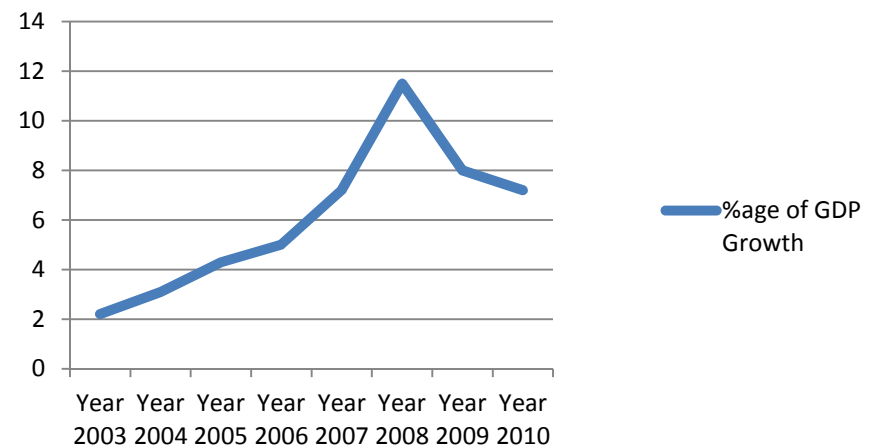
- Development of 232 MW Hydropower Projects
- Development of 310 MW Geothermal Projects
- Development of 200MW Peat to Power Project
- Development of 300 MW methane gas projects



WHY INVEST IN RWANDA'S ENERGY SECTOR

- ❑ A stable government with a clear and coherent vision of where it wants to take the country and keen to attract investors.
- ❑ Rwanda is ranked one of ten greatest economic reformer and 2nd greatest reformer out of 183 countries by the World Banks Survey of 2010
- ❑ Rwanda is ranked 9th easiest to start and do business and 6th most competitive economy in Sub Sahara Africa.
- ❑ Secured peace and safety for citizen and foreigners on Rwanda soil.
- ❑ A strategically reforming and growing economy towards the vision 2020 target.
- ❑ A virgin territory for foreign investor
- ❑ A guaranteed purchase of energy produced by private investor with a flexible feed in tariff.

%age of GDP Growth



Thank You and Welcome to Rwanda

