ACRA Tanzania experiences

Rural electrification as driver for socio economic growth and sustainable management of natural resources
MULTI-STAKEHOLDER PARTICIPATION
(Communities, CBOs, Governmental Institutions, Private Sector, Academy)

IMPROVED FINANCIAL CAPITAL
(Access to Credit)

INCREASED HUMAN CAPITAL
(Formal Education and Training)

Demand for goods and services
Enterprise (Processing – Retailing)

NATURAL RESOURCE BASE
- Forests
- Produce
- Water
- Soil

Sustainable Exploitation
Added Value
Market Access

Catchment area

Support land use planning
IWRM establishment of demonstration plots for sustainable and profitable production
support to MSMEs on the same AV chains for processing with electric equipment;
capacity building utilities collect market information;
supply chain analysis of opportunities

INCREASED HUMAN CAPITAL
(Formal Education and Training)

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Governance issues and communities involvement in Energy from Waste Water Treatment Plants

- Management of the catchment area from where the water comes from should be linked to water final use
- Electricity generated can act as a driver for Integrated Water Resource Management (IWRM)
- There should be an appropriate set of incentives for natural resources protection through Payment for Ecosystem Services (PES)
- However: Are these systems profitable enough to pay for incentives?
- Decision on where the treated water should go and how to use it involves local authorities as well as communities
- Communities can participate to the management of electricity generation and/or distribution

In which other ways communities can benefit from energy generated from WWTP?
Governance issues and communities involvement in Energy from Waste Water Treatment Plants (2)

Implementing the NEXUS approach:

• Waste Water Treatment generating electricity
• Electricity allowing water pumping for improving human right’s access to clean water
• Electricity pumping (treated waste) water for food production
  • Electricity for food processing...
From water ....to Water

Asante kwa kunisikiliza!