

MILLENNIUM CHALLENGE CORPORATION

REDUCING POVERTY TEROUGE GROWTE

The MCC and Aid Effectiveness

Using Economic Rates of Return to Guide Development Assistance

Outline of Comments

- MCC's approach to Aid Effectiveness
- Framework for Cost-Benefit Analysis
- Demonstration of Analysis Now Posted Online

The MCC Model

- Established 4 years ago to deliver aid differently
- Fundamentals of aid effectiveness
 - Good governance matters → 17 indicators
 - Country Ownership matters → Partners develop proposal, aid is untied, country systems used
 - Reducing poverty through economic growth
 - Results matter
- Focus today on one aspect of aid effectiveness: Results matter

The "Cold Chain" of MCC's Results Focus

- Constraints Analysis diagnosis of impediments to growth
- Cost-Benefit Analysis
 - ERRs are pre-investment estimate of expected impact
 - MCC's ERRs look at increases in income or value added
 - Monetary metric allows comparison across sectors
- Monitoring and Evaluation
 - Baseline surveys
 - Implementation performance against expectations
- Rigorous Impact Evaluations, as appropriate

MCC Program Portfolio

- Proposals developed through a broad-based consultative process in the partner country
- Proposals reviewed to ensure they adhere to MCC policies and guidelines on:
 - Gender
 - Environment
 - Procurement
- Each project is analyzed to determine its impact on local incomes
- Projects with low ERRs that have other compelling rationale may be funded

Role of ERRs in Aid Effectiveness

- Private sector looks at profitability
- Cost-benefit analysis helps guide public sector investment decisions – like those made by the MCC
- MCC's focus on economic growth also a "bottom-line"
 - ERR calculates the interest rate at which profitability = 0:
 decision rule is *invest when ERR is above discount rate*
 - MCC uses a country-specific hurdle rate of 10 15%
- In analysis, economic growth is measured by gains in household incomes and value added by firms

Example of Summary Cost/Benefit Data

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Costs	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Benefits	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Net Benefits	-15	-15	-15	-15	-15	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Total Costs = 100

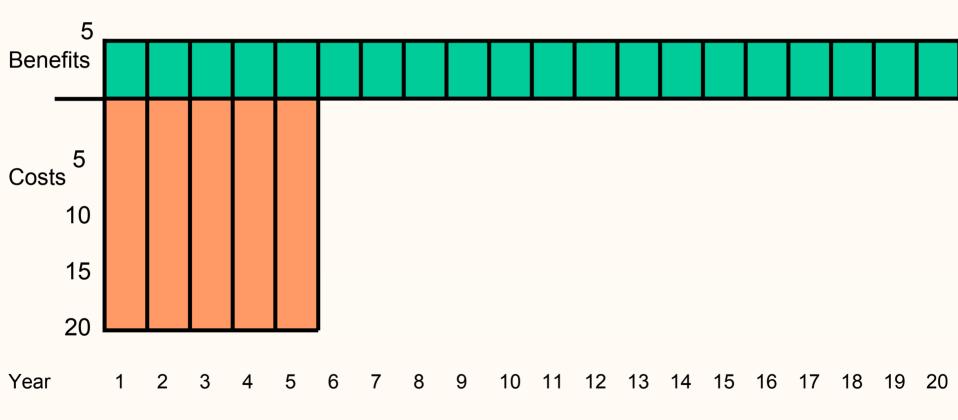
Total Benefits = 100

Net Benefit = 0 *if* **Discount Rate = 0%**; so

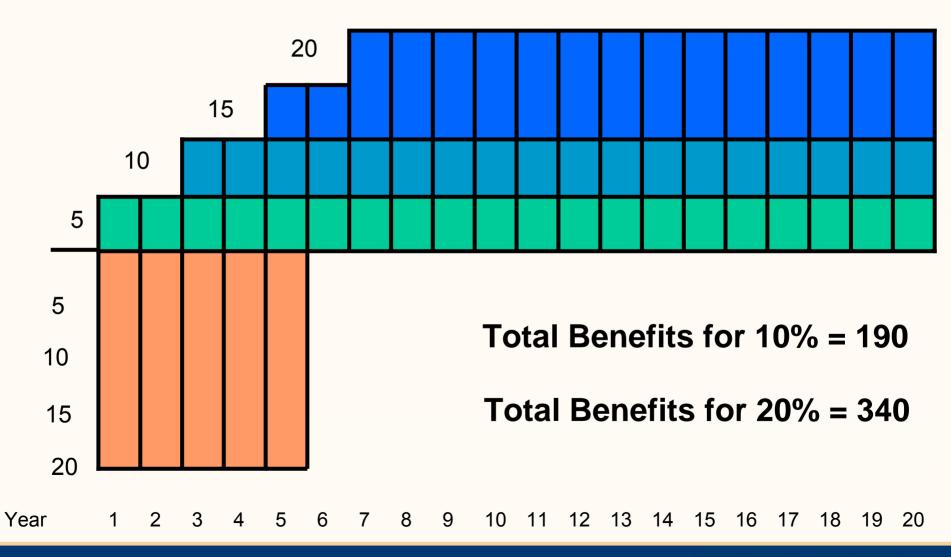
ERR = 0%

Schedule of Costs and Benefits:

This is what 0% looks like – equal area on top and bottom



This is what 10% and 20% projects look like: *Many* more benefits than costs



Link Between ERRs and Poverty

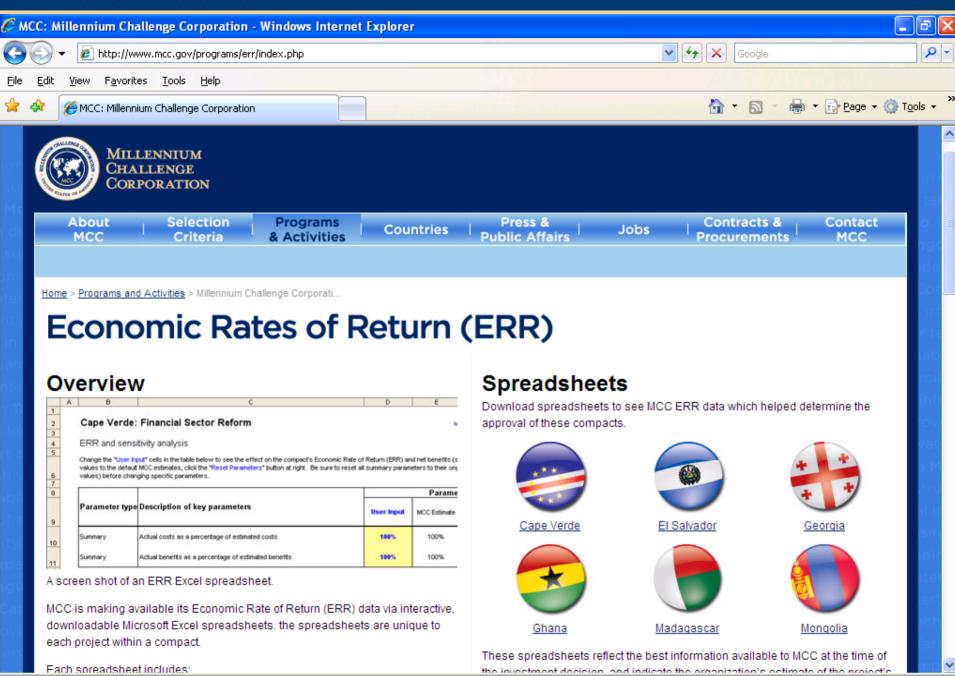
- Effect on poverty determined by
 - Total benefits
 - Distribution of benefits
- Higher ERRs = more total benefits to be shared by society
- ERRs silent on distribution, but:
 - Countries target poverty in proposals, so distribution usually positive
 - Due diligence avoids projects with little impact on poverty alleviation
 - Currently investing effort in enhancing Beneficiary Analysis to document better
 - ERRs neutral on sectors
- ERRs provide valuable snapshot of effectiveness

MCC's Open Access ERRs

- Public dissemination reinforces good governance practices, including enhanced transparency in government decision-making.
- MCC is eager to encourage broader technical exchange on current practices.
- Posting ERR spreadsheets on MCC's public website (or Google "MCC and ERRs"):

http://www.mcc.gov/programs/err/index.php

Done

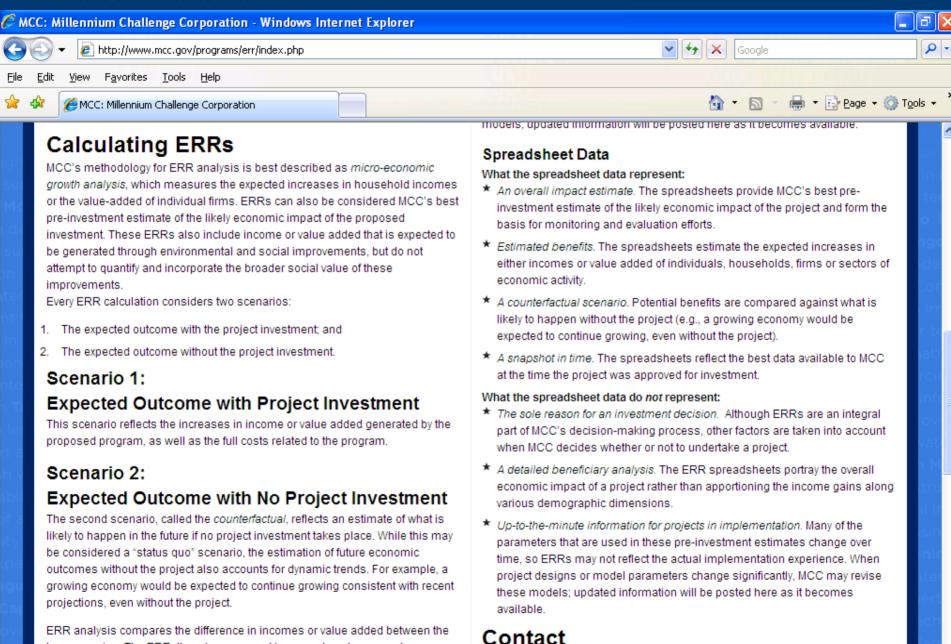


₱ 100% ▼

Trusted sites

two scenarios. The ERR, then, is expressed in percentage terms, and

represents the interest rate at which the discounted net benefits equal the



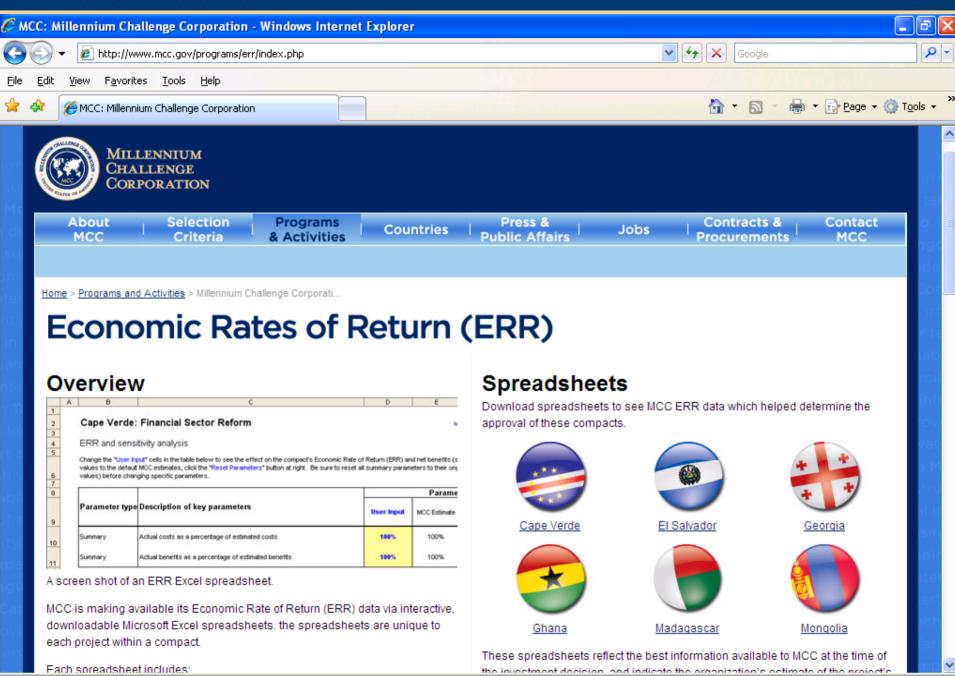
Contact us at the Office of the Chief Economist.

MCC's Online ERRs

 Spreadsheets reflect the best information available to MCC at the time of the investment decision

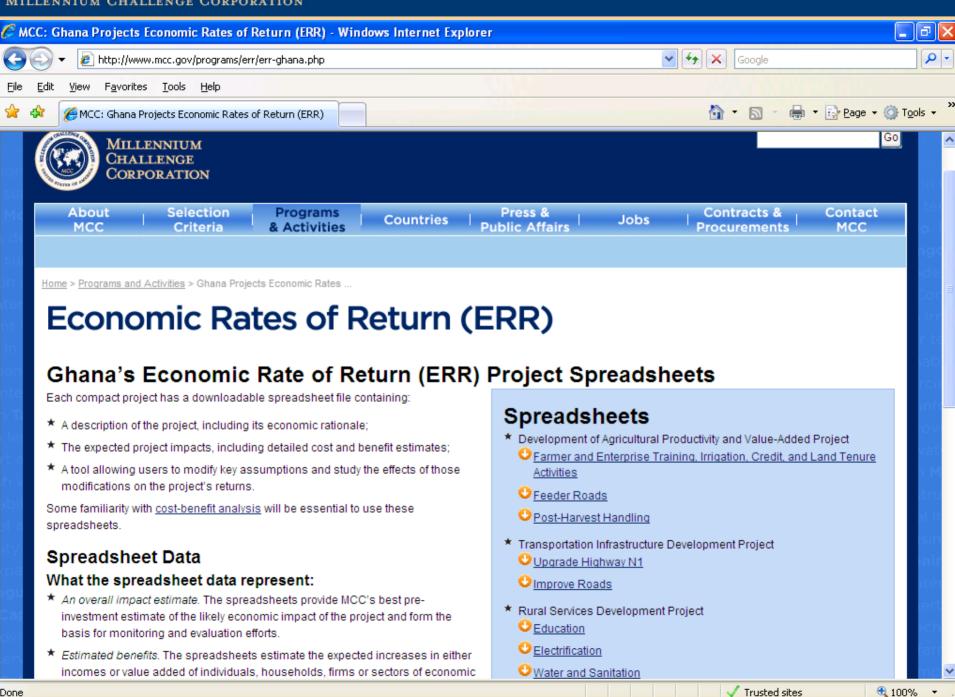
- When significant changes occur, MCC may revise its models and post updated ERRs
- We intend to make our enhanced Beneficiary Analysis available in the future, as well

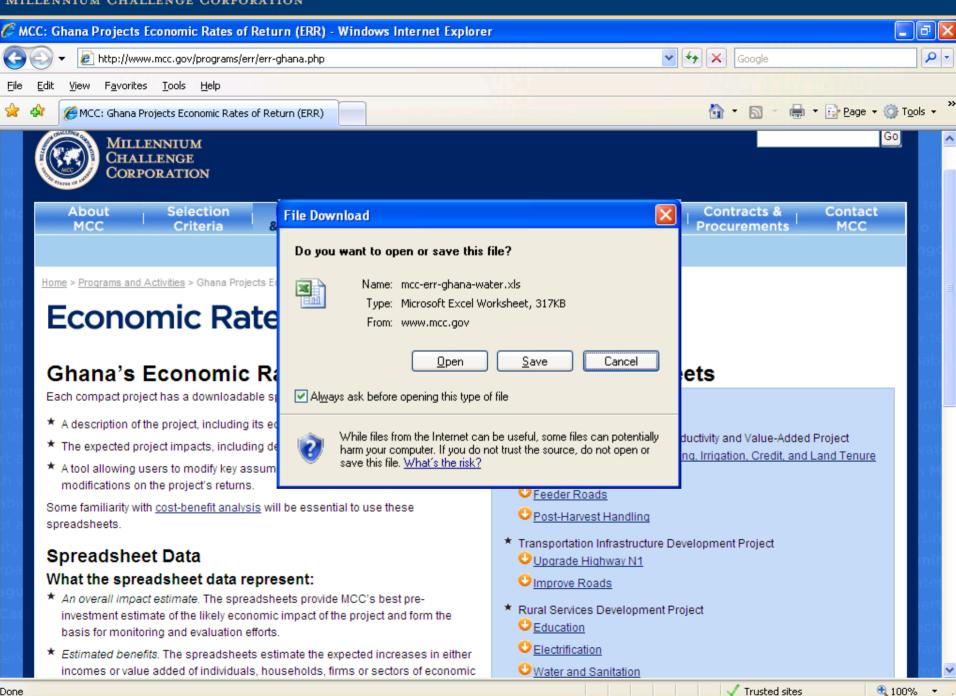
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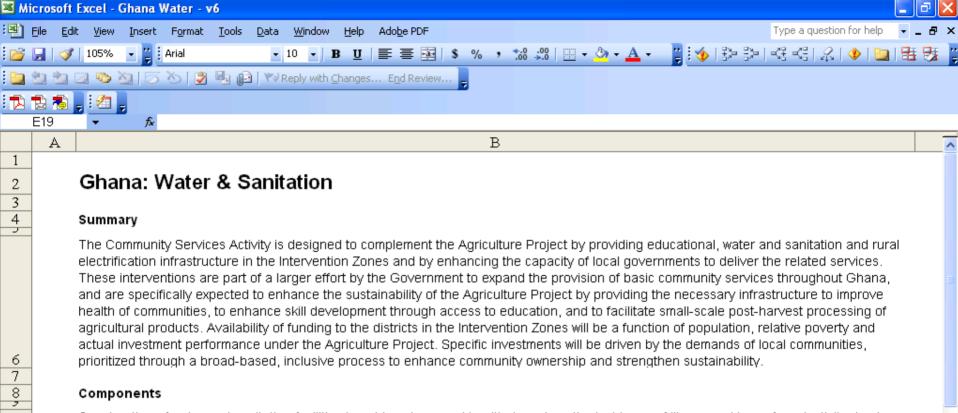
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14



Construction of water and sanitation facilities to achieve improved health, to reduce the incidence of illness and loss of productivity due to unsafe drinking water and poor sanitation and hygiene, and to reduce the time required to procure potable water. MCC Funding will be used to fund boreholes (whether mechanized or using hand-pumps), small town pipe systems and community sanitary facilities. Funding for schools, water and sanitation facilities, and rural electrification will be conditioned on:

- 1. Consistency with the norms, standards, policies and strategic plans of the Ministry of Education, Science and Sports and the Ghana Educational Service.
- 2. Community commitment to the construction through contributions of cash or other property (including land or raw material) or labor.

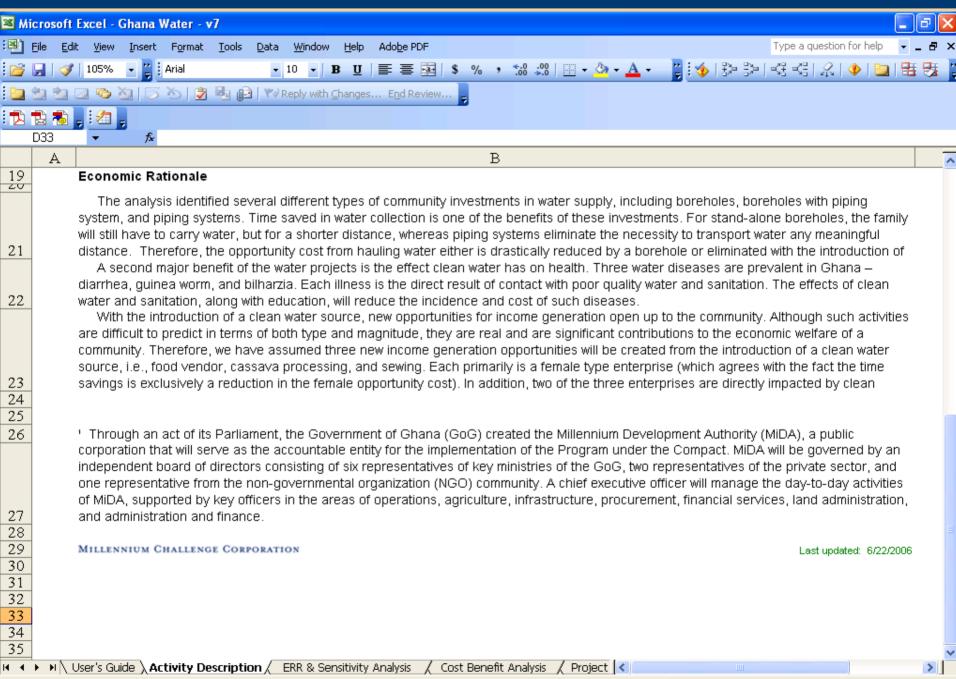
3. Adequate provision for operating costs (including staffing, as well as the operation and maintenance, of the facilities) and cost recovery

- mechanisms adopted by MiDA (Millennium Development Authority)! with approval of MCC.
- 4. Location within a district in which the Agriculture Project is being implemented.

15 16 5. Meeting criteria satisfying cost effectiveness. 17 6. Not creating any adverse environmental or social impact under the standards adopted by MiDA with the approval of MCC. 18 ■ ■ N User's Guide Activity Description ERR & Sensitivity Analysis Ready NUM

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Ready



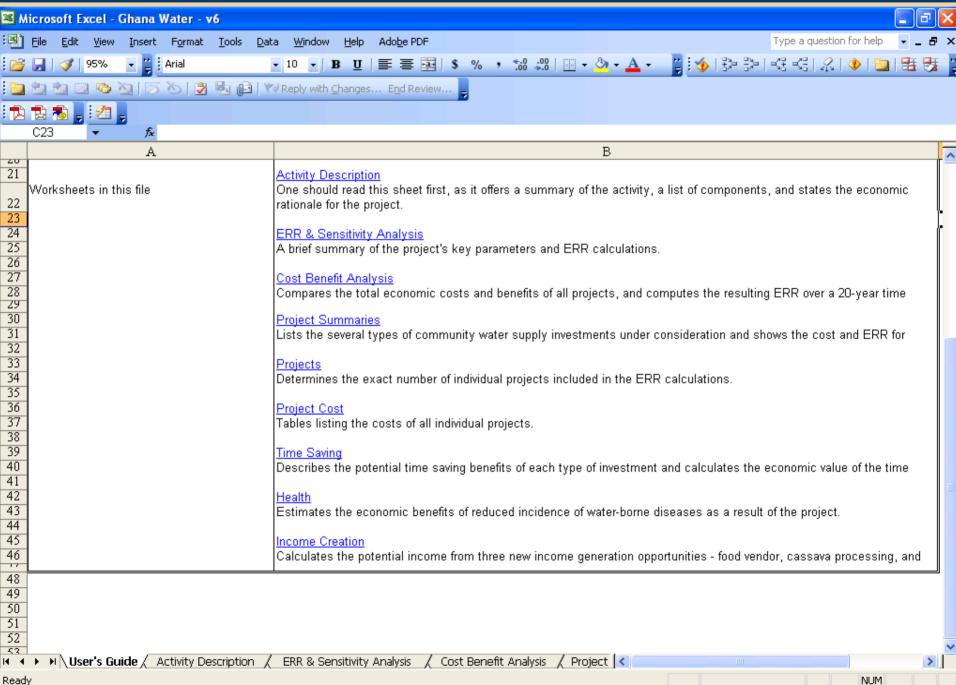
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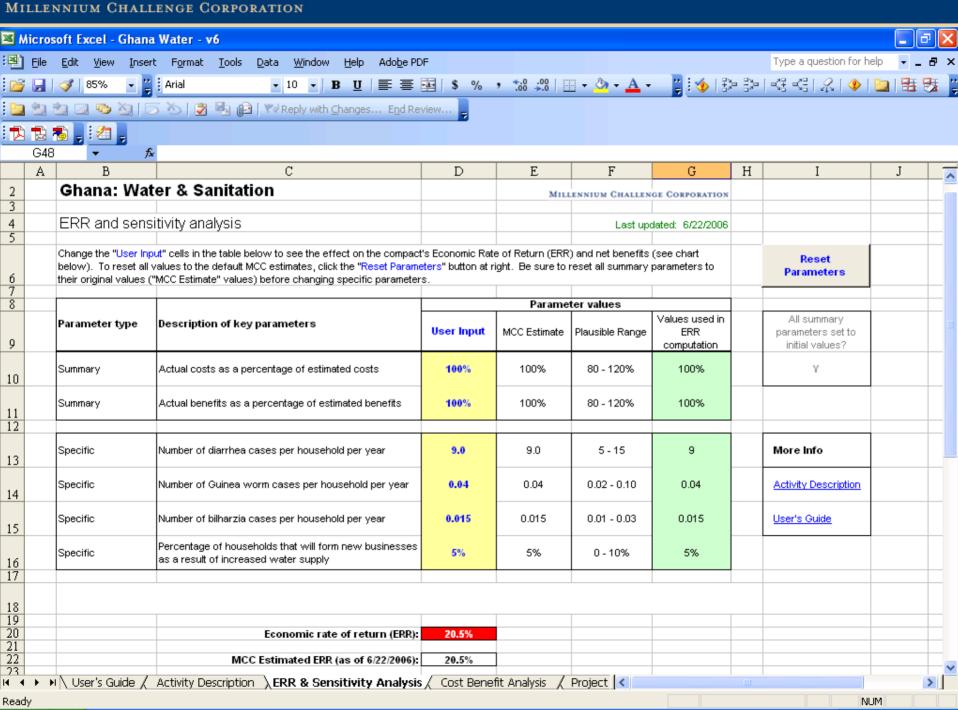
MILLENNIUM CHALLENGE CORPORATION Microsoft Excel - Ghana Water - v6 : File Type a question for help Insert Format Tools <u>D</u>ata <u>W</u>indow Adobe PDF 🛅 🖢 🐿 🔼 🧓 🦄 | 🕳 🍆 | 🐉 🎼 🖟 | 🕶 Reply with Changes... End Review... 023fx В Α Last updated: 6/22/2006 MILLENNIUM 3 Challenge Ghana: Water & Sanitation CORPORATION 5 REDUCING POVERTY THROUGH GROWTH Rural Services Development Project 8 Support for Community Services Activity Proiect name Water and Sanitation Sub-Activity 10 Spreadsheet version Investment memo, final 11 l6/22/2006 Date Amount of MCC funds \$75.0 million total for Support for Community Services Activity The Community Services Activity is designed to complement the Agriculture Project by providing educational, water and sanitation and rural electrification infrastructure in the Intervention Zones and by enhancing the capacity of local Project description governments to deliver the related services. Specific sub-projects and locations will be identified during Compact implementation. 14 Time saved in water collection 15 Benefit streams included in ERR Reduced incidence of water-home diseases New income generation opportunities created by the introduction of a clean water source 17 Costs included in ERR (other than costs Recurrent operational costs 18 borne by MCC) Estimated ERR and time horizon 20.5% over 20 years 20 21 Activity Description One should read this sheet first, as it offers a summary of the activity, a list of components, and states the economic Worksheets in this file 22 rationale for the project. 23 ■ I Ser's Guide / Activity Description ERR & Sensitivity Analysis Cost Benefit Analysis / Project <

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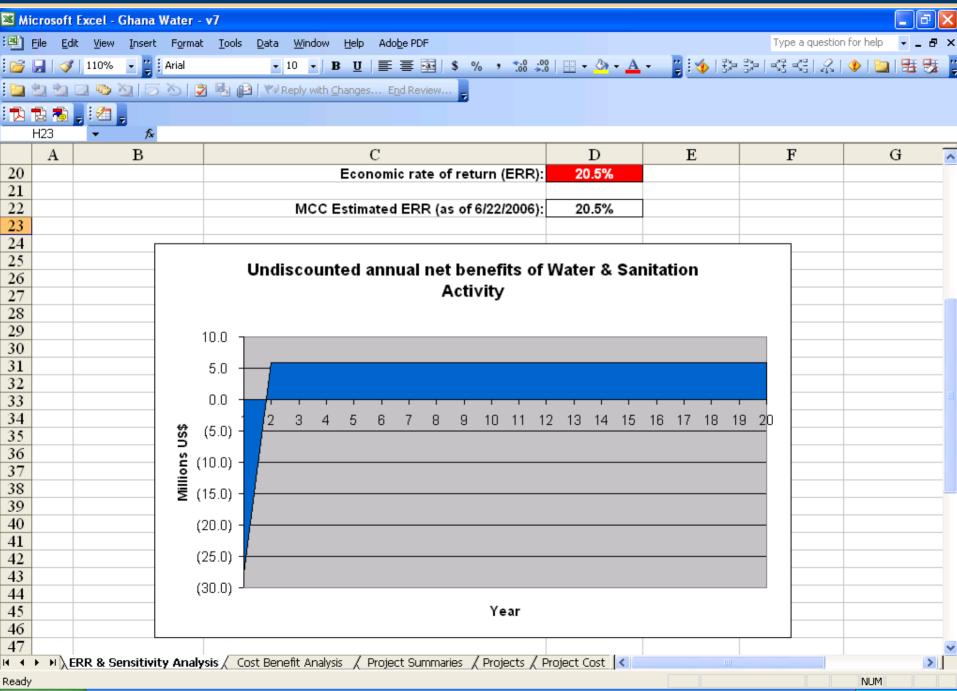
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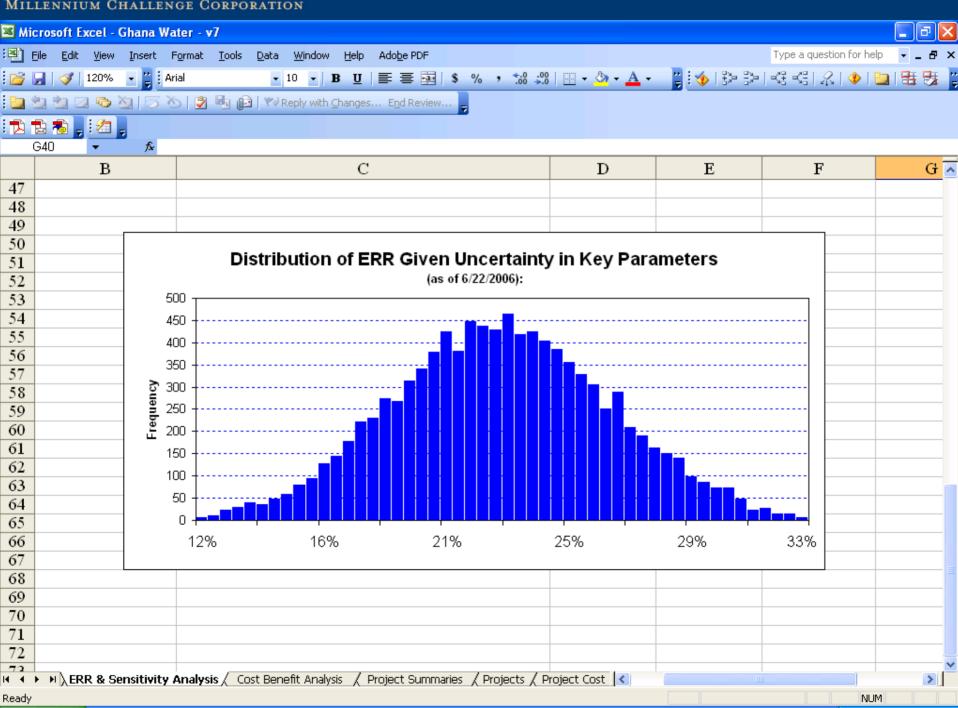
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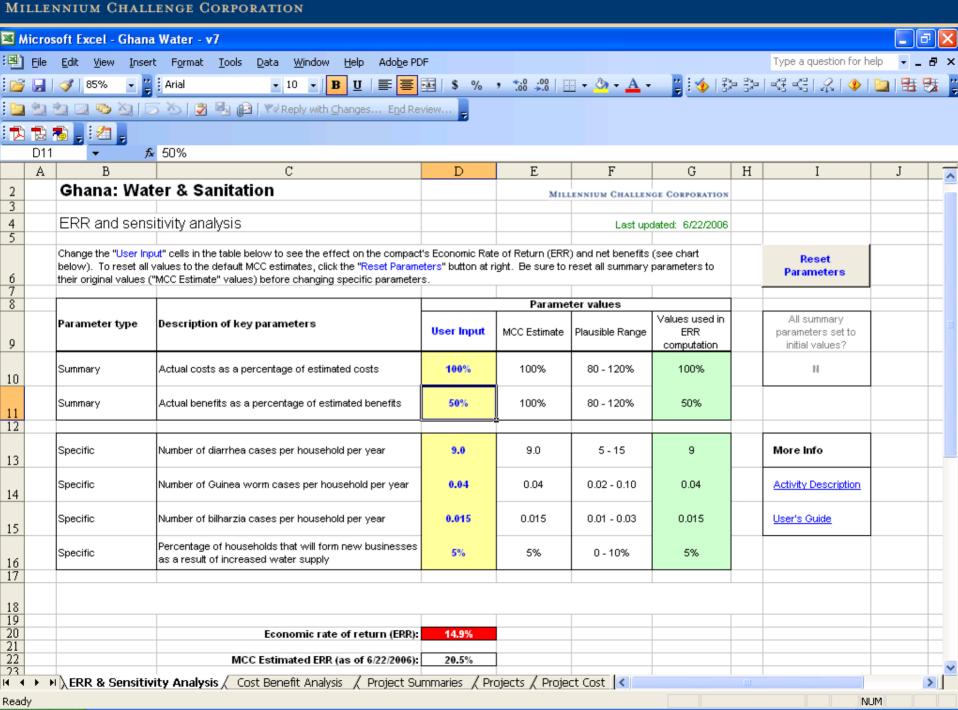


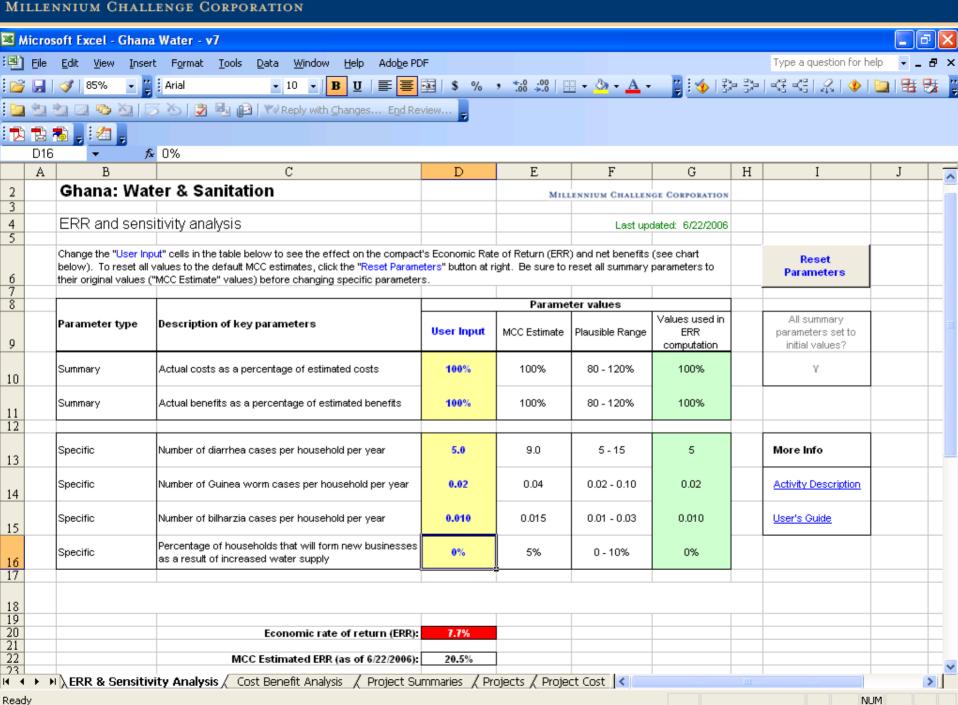


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What's Up Now?

- 6 countries currently posted:
 - Cape Verde

Ghana

El Salvador

Madagascar

Georgia

Mongolia

- A variety of projects and sectors:
 - Infrastructure (CV, ES, Ghana, Mongolia)
 - Education (ES, Ghana, Mongolia)
 - Agriculture (ES, Geo., Ghana, Mad.)
 - Others such as Land, Finance, and Water

Future ERR Postings

May 23rd

- Armenia
- Benin
- Honduras

Late June

- Tanzania
- Lesotho
- Nicaragua

August

- Mozambique
- Mali
- Vanuatu
- Morocco

Posting is just the Beginning

- We hope the site will be informative
 - MCC business model
 - MCC analytical frameworks
 - Program Content
- We are serious about establishing a dialogue with interested parties
 - What else is needed?
 - What can be done better?
 - What should be done differently?
- Visit us and let us hear from you ...