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SIWI

ASSESSING THE EFFECTIVENESS OF MALAWI'S WATER POLICY USING MOBILE TECHNOLOGY

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PRESENTATION OUTLINE

- What is the challenge?
- What is the solution/innovation?
- What is the value?
- Lessons learned?
- How can the solution be scaled up?

MALAWI: FACTS AND FIGURES

Total Population	:	16, 778, 000
Per capita Income	:	US$ 900/year
Water Coverage	:	83%

Target location for Water Point Mapping:

Rural Chikhwawa	:	Pop ≈ 484, 000
Per capita Income	:	US$ 23/year
Water Coverage	:	86%

THE CHALLENGE ~ BACKGROUND

- Malawi's Ministry of Irrigation and Water Development responsible for water supply

- National Water Policy 2005

- Includes community-based management, tariff, O&M (the usual suspects!)

- Vision: Water For All, Always

- Like many things in Malawi, the policy sounds great…..on paper!

THE CHALLENGE ~ BACKGROUND

- In 2010, selected Chikhwawa as its Everyone Forever district
- In 2012, water point mapping was conducted
- Data collected on aspects of NWP 2005
- Involved local government
- AkvoFLOW app was used
- 1852 water points mapped
- In 2014, 1917 were mapped

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CHALLENGE ~ THE RESULTS

Avg. bank balances = US$ 12.00
(repairs cost US$ 40.00)

Average tariff = US$ 0.30 monthly

NOTHING NEW!

Unstructured Tariff

Inequitable distribution

Increased coverage

Inadequate spare parts

Increased investment
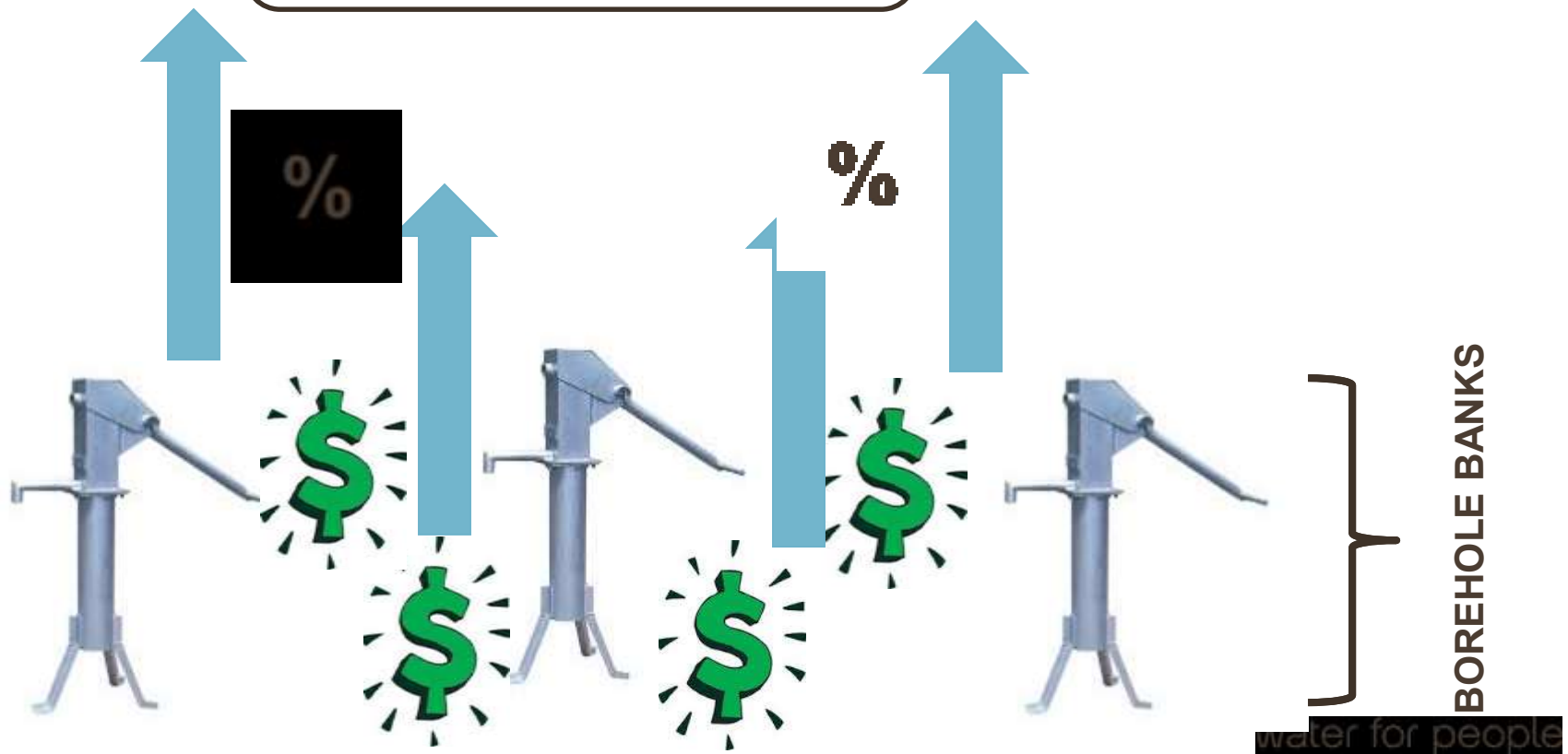
No preventative maintenance

2% ↑ non-functionality

Business as usual!

THE SOLUTION: INNOVATION

Central Tariff Pool

- **Buy spares for major repair**
- **Report back on account performance**

BOREHOLE BANKS

WHAT IS THE VALUE?

- Shortened the time for data collation and analysis from months to weeks

- Enables trend analysis across time

LESSONS LEARNT

- Keep it visual and simple
- Get rid of NGO lingo and use "common" language
- Good quality data is not cheap

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SCALING UP = NEW BUZZ WORD

Scaling up the technology is not necessarily the solution – cost and system duplication!

Its not about technology - Its about the habit of *finding the story behind the numbers*

ANY QUESTIONS?

"We can't solve problems by using the same kind of thinking we used when we created them."
— Albert Einstein!