

# A new model for water access

A GLOBAL BLUEPRINT FOR INNOVATION



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# The cost of failure vs the cost of success

Current cost of facilities and services **\$396 billion<sup>†</sup>**

What we spend on toilets, handwashing and managing sludge  
**\$154 billion**

What we spend on water and wastewater utilities and improved water sources  
**\$241 billion**

The value of the time we waste on inadequate access  
**\$132 billion**

The health costs of bad water and sanitation  
**\$71 billion**

What we need to spend on additional facilities and services to ensure everyone has a 24/7 piped potable water connection, a private toilet and a sewer connection with wastewater treatment in cities or a well managed septic tank in the countryside.  
**\$302 billion**

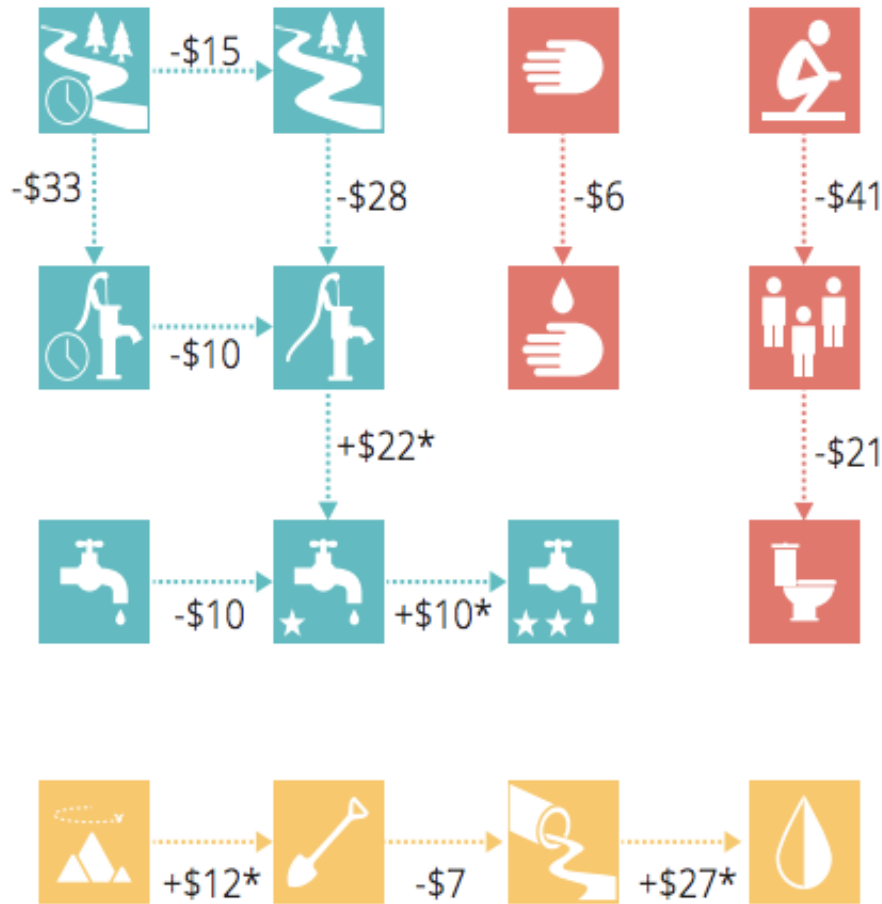
The current cost of failure **\$323 billion**

What we spend making up for bad water services<sup>†</sup>  
**\$120 billion**

The cost of success **\$302 billion**

Do we solve water in private or together?

# It is cheaper to do water better



Low income high cost combination = \$154



-\$64



Low cost, high quality rural solution = \$90

High cost, high income combination = \$256



-\$29



Low cost, high quality urban solution = \$125

-\$131

# Innovations for access

- Water.org: micro-credits for connections and toilets
- Water Health International: decentralised water systems
- WaterAid: community funding for pumps
- Nairobi City WSC: micro-billing by mobile phone
- 2ML: Utility transformation programmes
- Onea (Burkina Faso): Franchising beyond the network
- Balibago Water Works: franchised micro utilities
- Veolia: Peer Performance Solutions
- Suez: Wikti knowledge transfer
- Gates Foundation: Omni processor
- South East Water: smart pressurised sewer systems
- Veolia: Actiflo pre-engineer high rate wastewater treatment systems
- Various suppliers: Decentralised wastewater treatment and reuse

# Making it happen

- It begins with a social contract...