

The background of the slide features a group of children, likely in a school setting, gathered around a white plastic water bottle. One child in the foreground is smiling and looking towards the camera. The image is slightly faded to allow the text to be legible.

Demand for Desludging services in Freetown

A Household Survey

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Significant FSM Needs





Objectives

- Ultimate development of city sanitation strategy
- Development of commercially viable management models
- Investigate pre-treatment, treatment and re-use options
- Development of a monitoring and regulation system
- Capacity building plan for FCC developed



Household Survey

- Assess commercially viability of businesses
- Results facilitated financial analysis
- Five parts to the survey:
 - Existing type and quality of service
 - Costs for existing services
 - Affordability (in relation to other expenditure)
 - Willingness to pay for improvements
 - Financing options



Results

- 50/50 split between manual and mechanical method
- 88% emptied their latrine once per year or more
- 60% of HH had to wait more than a day, whilst 12% of HH waited more than a week
- According to HHs 27% of removed for disposal with 45% buried on-plot; approx. 25% is dumped illegally
- Average emptying cost approx. USD 92 (19 - 238)
- High level of HH satisfied with service – 70%
- Would pay USD 19 more for improved services



WTP For Improvements

A - The pit emptier can be contacted more easily and will come to do the job more promptly

1



B - The pit emptier comes to do the job at the time of day that I would like and completes the job faster

2



C - The pit emptier leaves my compound cleaner and leaves less dirt behind in my compound

4



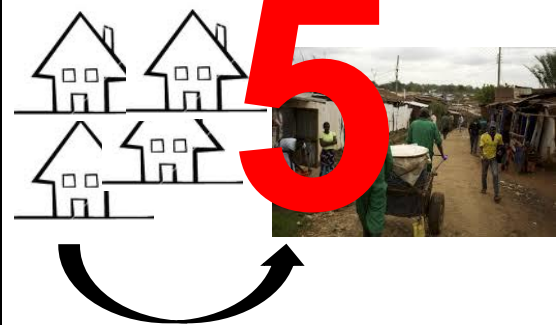
D - The pit emptier definitely takes the shit out of my compound

3



E - The pit emptier definitely takes the shit out of my neighbourhood

5



F - The shit is disposed of more safely once they have taken it out of my compound

6





Payment Options

- 89% satisfied with current payment methods
- 53% pay in a lump sum and 48% in instalments
- 89% of households need payments to be flexible to combat seasonality and income variability
- Cost of emptying is approx. 1.8% of annual income; more than 0.5% deemed reasonable

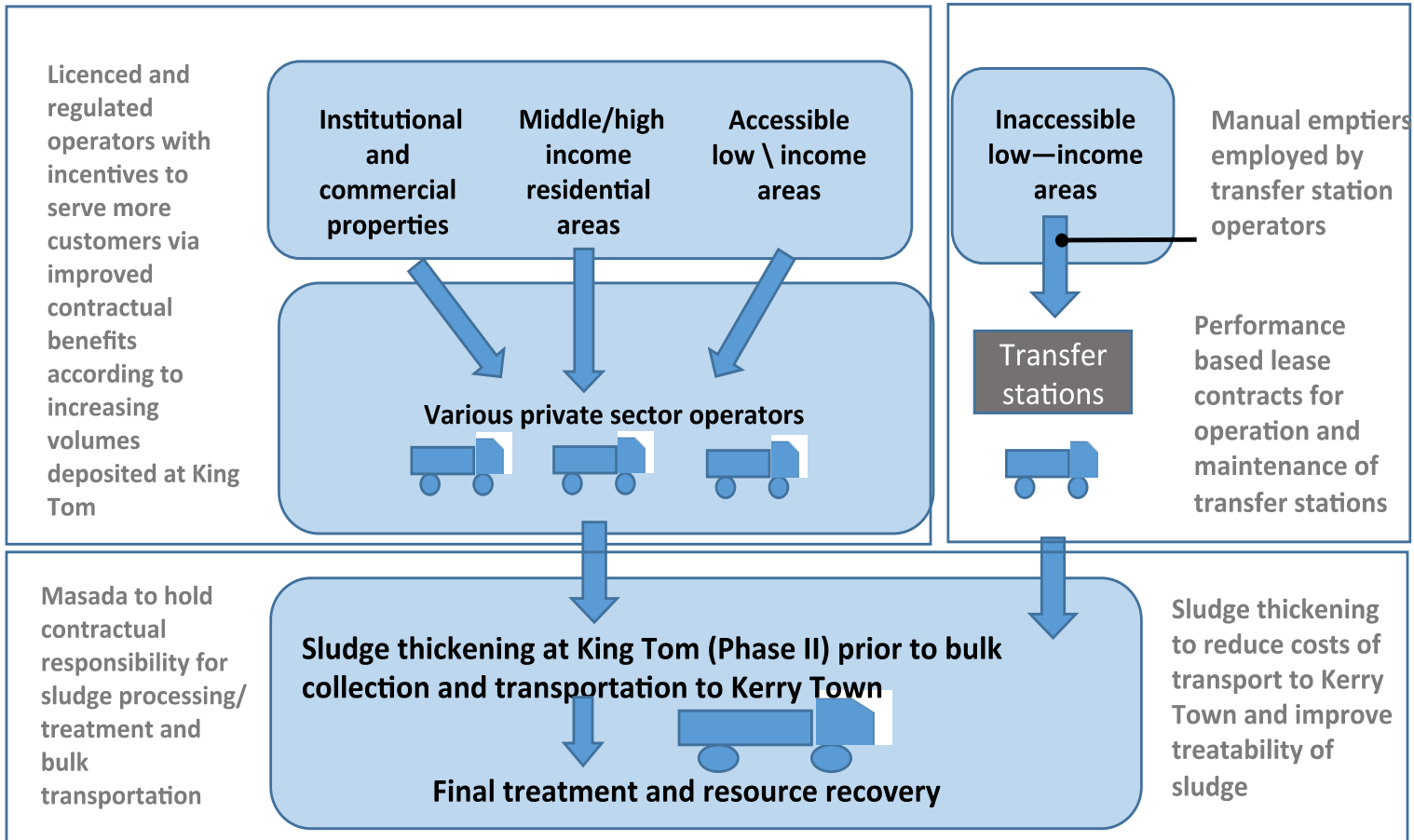


Phase 2 Design

FCC (Sanitation Unit and Contact Center) to provide information to customers, promote improved quality of service and ensure accountability of service providers

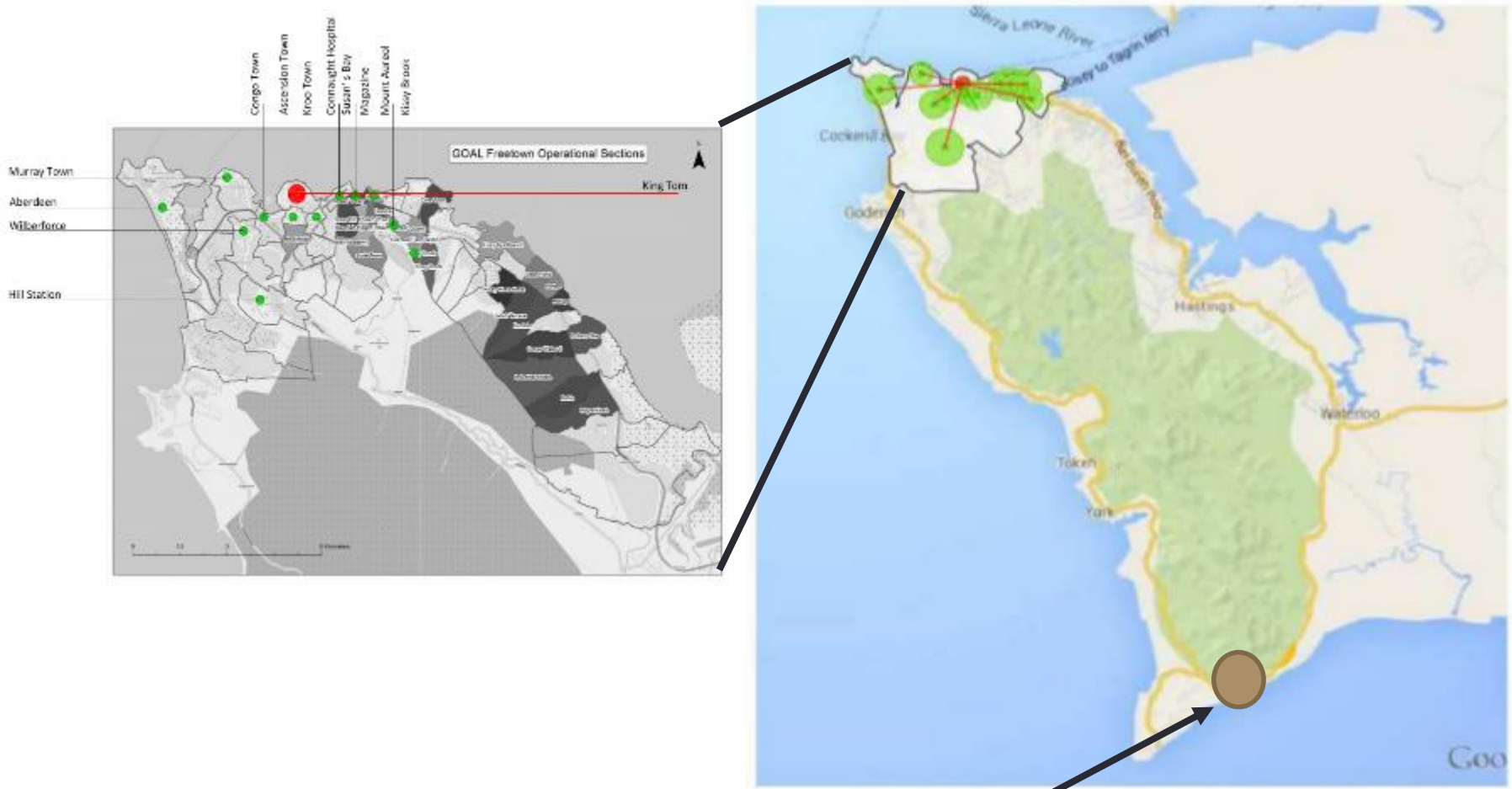
FCC to provide licences for sludge truck operators and contracts for leasing of transfer stations

FCC to manage contract with Masada





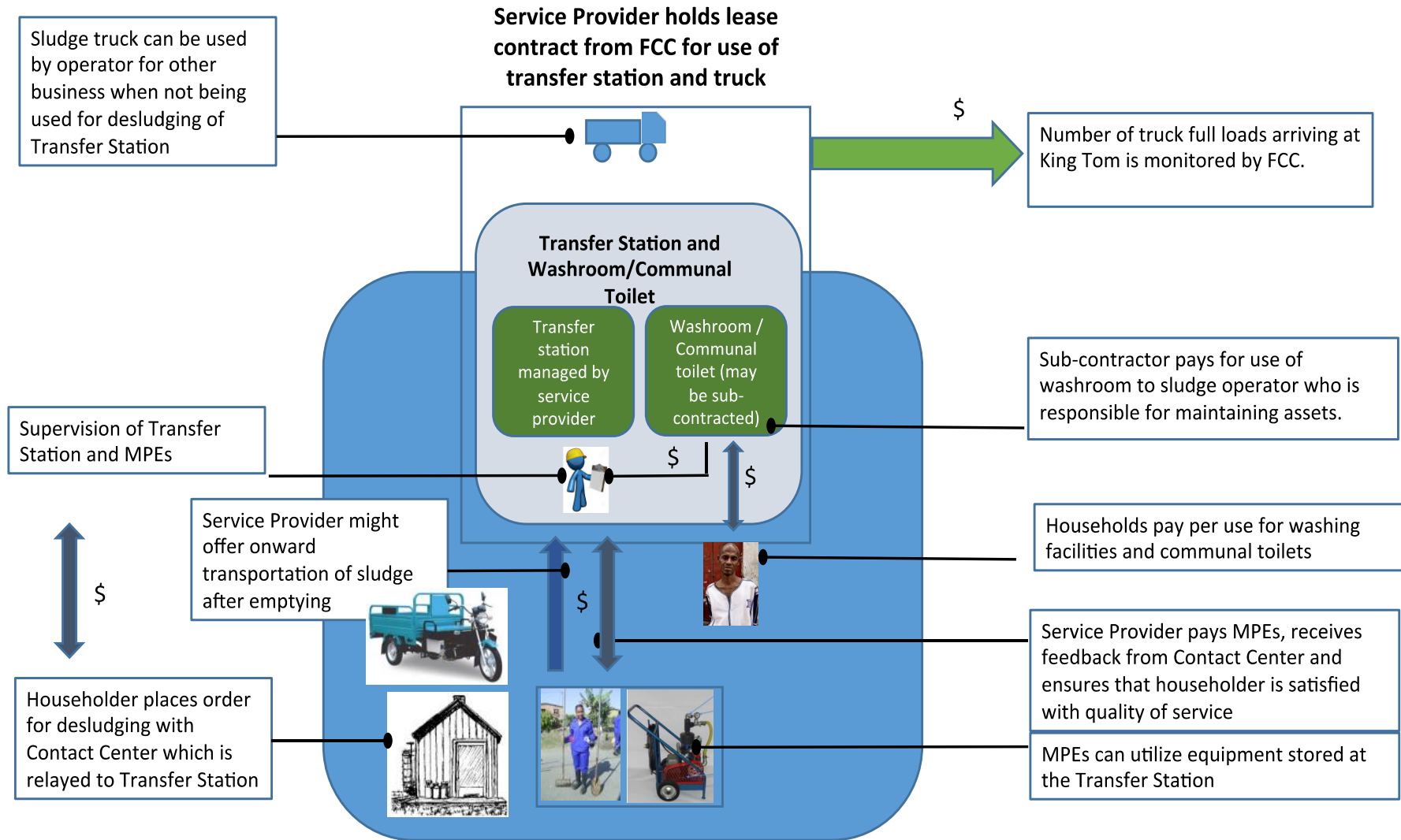
Transfer Station Requirements



Masada Treatment Facility

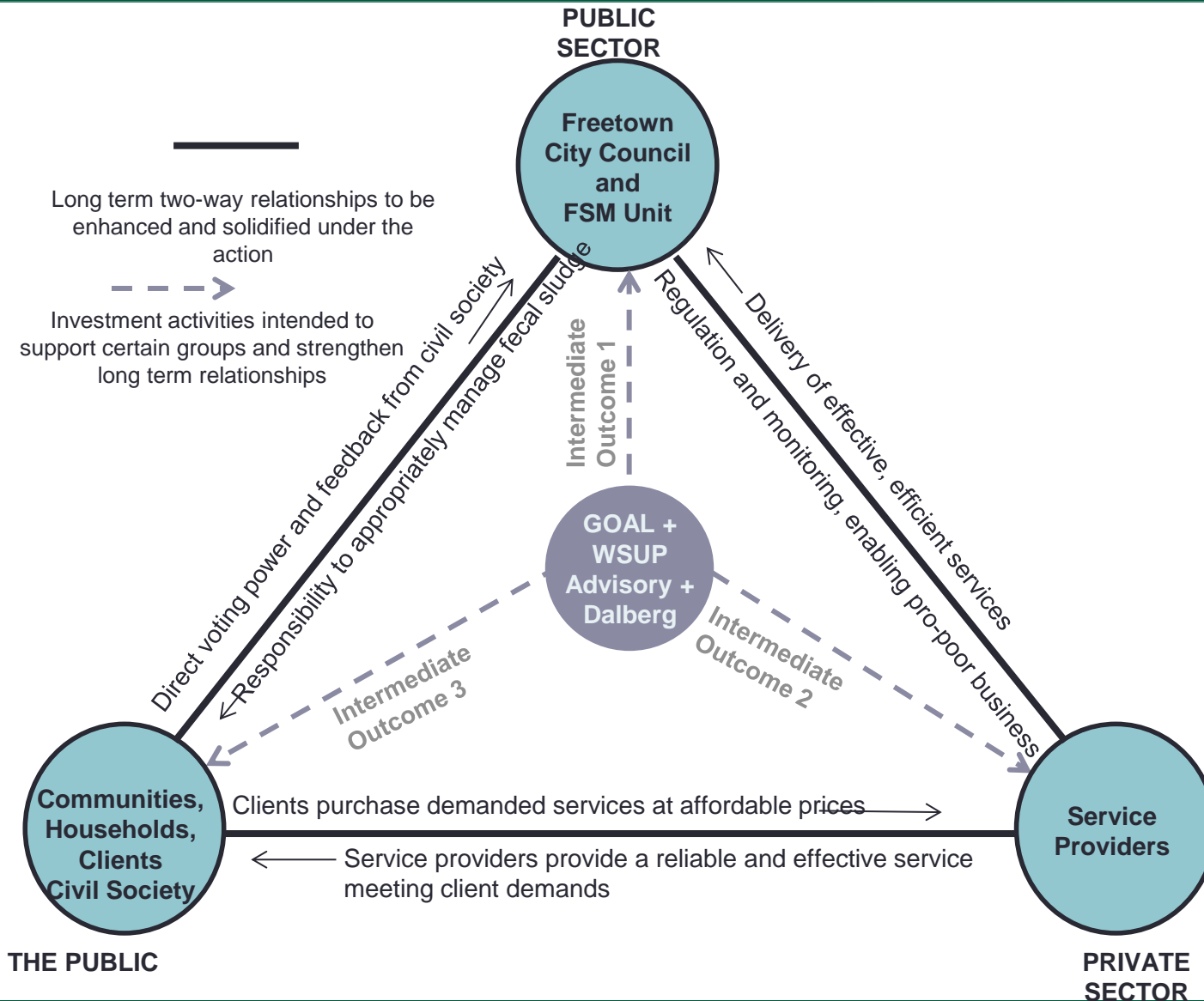


Transfer Station Management





Intended Phase 2 Partnerships





Lessons/Way Forward

- Accurate financial flows difficult
- Civil Society reporting mechanisms to be developed
- City-wide solution is a challenge (multi-phase)

- Small scale FSM work continues under other funding
- Continue to seek funding for the phase 2 proposal
- FCC support particular priority
- Ebola response has affected FSM work in recent months



Thank You!