

# Key Criteria to make this work:

- Real attractive finance available (loans or govt funds)
- CDM programmatic methodology in place, accessible
- Collection system using pre-paid meter in place
- Basic energy grant – used? Energy or electricity.
- Guaranteed Eskom subsidy – adapted appropriate for LI developments

## 2<sup>nd</sup> level criteria

- Institutional support
  - National support and co-ordination
  - Sustainable Housing Facility
    - ESCOs & service agreements
  - National SWH infrastructure rollout via PPP
  - Buy in from Nat DoHousing (e.g. roof structure)
  -

# Recommendations for best practice

- Sustainable service model
  - Monthly collection through prepaid meter
  - City/Eskom collecting monthly payments
  - Programmatic CDM in place
  - Eskom incentive in place
  - Installation and Maintenance programme
    - Local job creation
- Community buy in
  - Engagement process, awareness around benefits, maintenance issues etc
  - Individuals have choice
  - Education of community
- Reliable technology
  - Minimum 5 year warranty
  - SABS approved systems? Systems appropriate to application / quality.
  - Installation guarantee/maintenance plan



<b>Research/Actions</b>	<b>Who</b>
Establish Prepayment/repayment collection system through City/Eskom	SEA coord, Eskom, cities support
Info and support to engage with programmatic CDM	SHF, Carl coord & info, SEA website
6 monthly meeting of all players to share and learn experiences, additional issues	SEA coord, cities, Eskom... focus on 'doers' in Lo Inc
Generate resource point for providing case studies, CDM info, TOR's, lessons learnt, technical info	SEA website
Establishing financing mechanisms (funding/loans) at national level	SEA corod, DBSA (Yaw), Cedric(Eskom), SHF
Engage with national for leadership around SWHs	Eskom secretariat
Health impact – polycarb/ fibreglass/	SEA get info

stainless steel quality potability	from CSIR – Carl support
Is water heating an energy use priority linked to FBE?	SEA...?
Establish how the Eskom subsidy will be administered	Cedric (Eskom board)
Establish Eskom guarantee period	Done - 5 yrs
Rebound effect	ERC/UCT researching (SANERI funded)
Do people need all this hot water? How much etc... (keep as part of energy infrastructure investment)	

- What numbers are we talking about (LI households)
- What services are actually needed by hhs
- Check out links with IDPS...?
- Communal bathing facilities appropriate?
- 20 year plan for hot water delivery nationally – scenarios (link to national buy-in & **elec planning**)

- Increased use of water from SWHs & shortages & planning (deduct elec gen water use!)