

National WASH Multi-Stakeholder Forum 6

OPERATION AND MAINTENANCE MANAGEMENT MANUAL AND STRATEGIC FRAMEWORK FOR RURAL WATER SUPPLY

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February 4, 2014



Objective of the presentation

- ☐ **Proper O&M is a backbone of achieving access coverage and sustainability in water supply**
- ☐ **To fully gain attention and involvement of all stakeholders in O&M Management for Water Supply**
- ☐ **To raise awareness for the importance of allocating budget for water supply O&M by all actors**

Background

NWI 2011:
92,588 rural
schemes exist

No Attention given for
O&M.

Focus has been in the
construction of new
schemes

The UAP target is to
reduce the non-
functionality to 10 % by
2015.



**23,610 schemes
are non-
functional**

25.5% !



**MoWIE has launched the development of a
strategic framework for rural water supply
O&M Management and relevant Manuals**



MAJOR FINDING IN O&M MANAGEMENT

- The non-functionality rate varies between 20-35%
- If these schemes were repaired, the RWS access would increase by 16% on average
- Existing O&M manuals not utilized and most of them have disappeared
- There is no guideline, tools, human resources or budget for O&M
- Spare parts not available. In case spares available they are provided free of payment
- No preventive maintenance done. It is carried out when the scheme broke down
- There are no plans to carry out O&M systematically
- The quality of the new schemes is poor and need for O&M is high

MAJOR FINDING IN O&M MANAGEMENT

- None of the existing O&M manuals raised the issue of water quality monitoring and surveillance
- Thousands of caretakers trained every year but they do not do their job and they loose their skills. WASHCOs rely on Woreda Water Office support
- Woreda Water Offices do not have required equipment, technical guidelines, budget and trained human resource to give the support
- Tariffs do not reflect the O&M cost recovery
- There is no mechanism set to audit WASHCOs. As a result the community money abused
- Unclear mandates of Water Bureau, Zone, Woreda Water Office and WASHCO in O&M
- There is no monitoring, no reporting system and no database for O&M



Recommendations

In order to have sustainable water schemes from the start the following needs to be done:

- 1) water demand assessment (quantity, quality and distance from the water sources),
- 2) water sources assessment (a single or two or more sources in the vicinity of the community,
- 3) review of technical options (a range of technological choices exists, and select the appropriate one,
- 4) review of O&M requirements (these will include the tools, spare parts, skills, management needs and finances required to sustain operation and maintenance and
- 5) Selection of appropriate technology options



Recommendations

What else needs to be done?

- 1) Legal recognition of WASHCOs and formalizing their relationships with Woreda Water Offices
- 2) Post-construction support financed, and O&M budget allocated at all levels
- 3) Harmonization and alignment of post construction approaches by all development partners to avoid fragmentation
- 4) Increase the use of local service providers in O&M Management
- 5) Provide regulation of the private operators to avoid excessive profits and weak contractual arrangements.



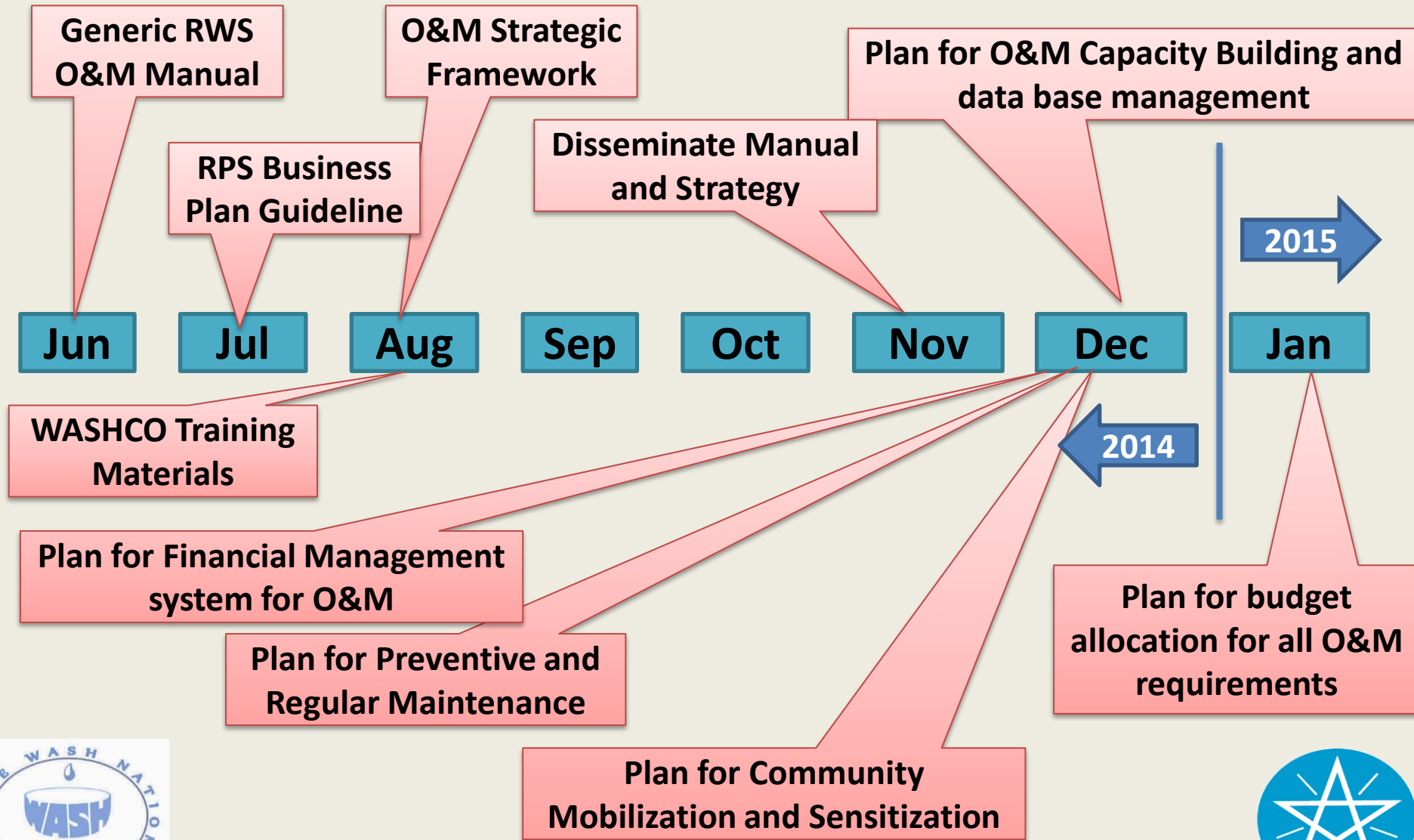
Recommendations

What else needs to be done?

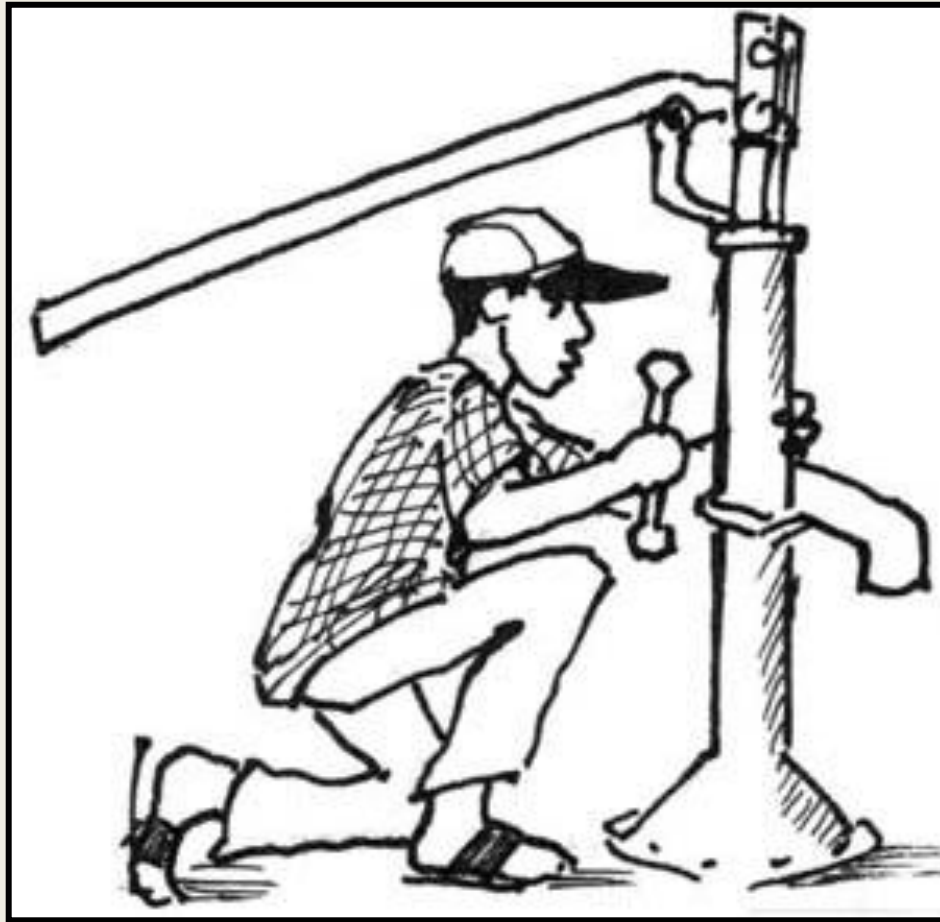
- 6) Establish an independent revolving fund office to procure and distribute spare parts to WASHCOs and link with private local service providers
- 7) Develop generic O&M Management Manual at National level and Regions adapt based on their context
- 8) Develop clear monitoring and reporting system for O&M
- 9) Establish O&M Management database and its updating system
- 10) Develop O&M capacity building program including regular refresher training to woredas and WASHCOs
- 11) Set-up rewarding and penalty system to evaluate the performance of WASHCOs



Schedule for the preparation of National Generic RWS O&MM Manual and Strategic Framework



Thank You



Presentation outline

- Objective of the presentation – 1 slide
- Short background and possible introduction – 1 slide
- Major findings – Maximum 2 slides
- Major recommendations – 1 slide
- Possible proposal for strategic direction of WASH (undertaking) – 1 slide
- Additional pictures and graphs can be added

