

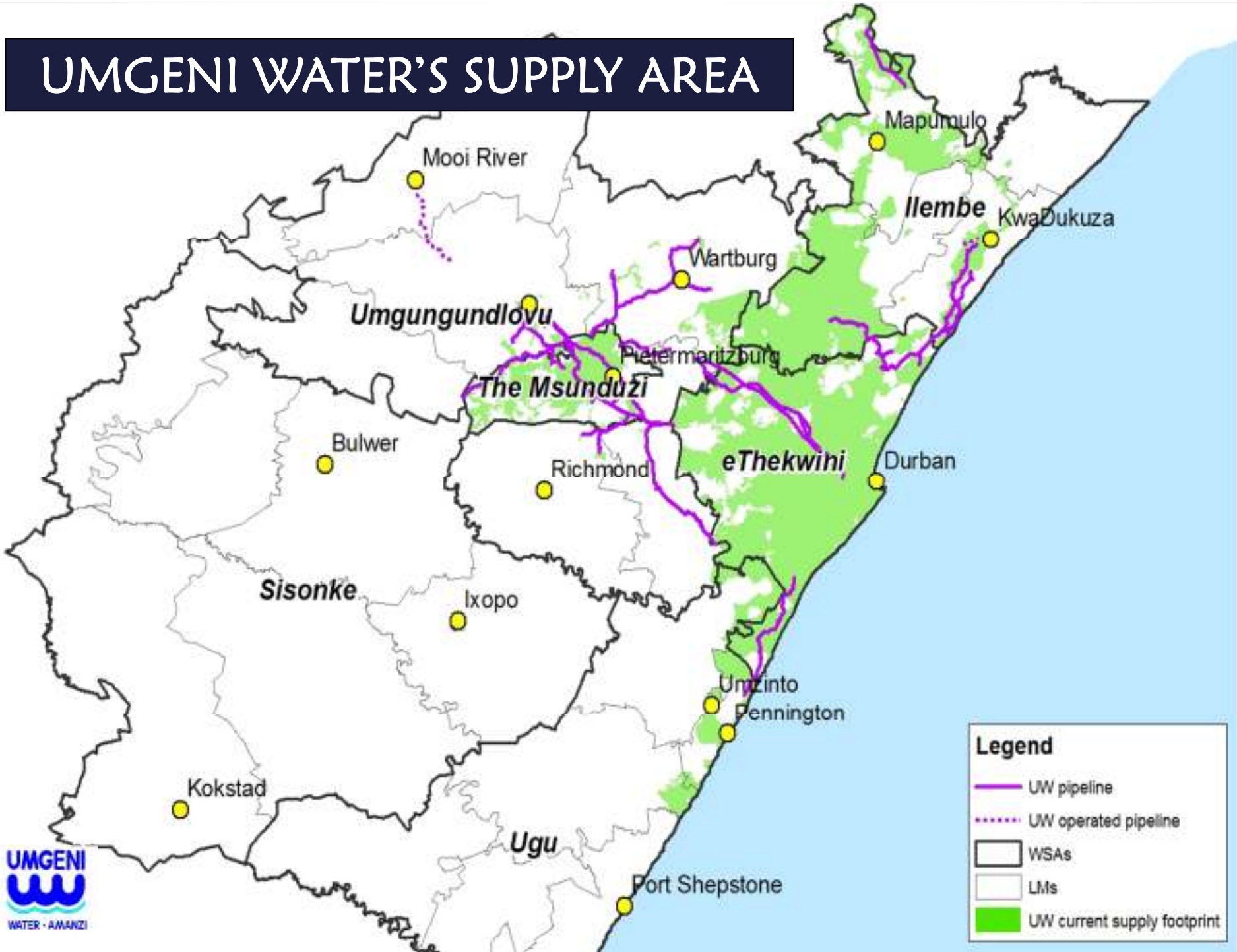


5-Year INFRASTRUCTURE MASTER PLAN

UMGENI WATER SUPPLIER FORUM
17 JULY 2012



UMGENI WATER'S SUPPLY AREA



CAPEX BUDGET - INFRASTRUCTURE PROJECTS

30-year

R10 451 million

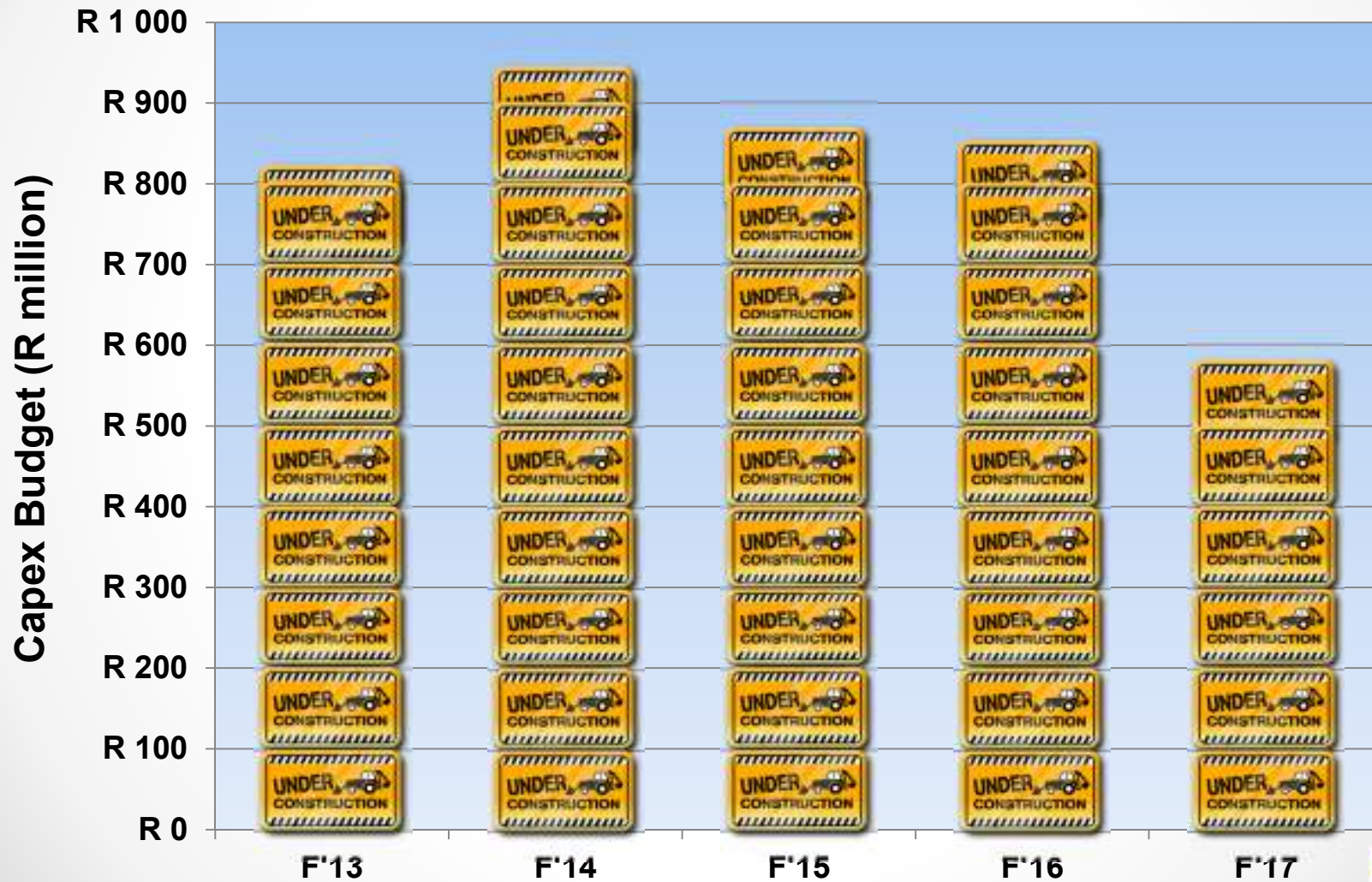


5-year

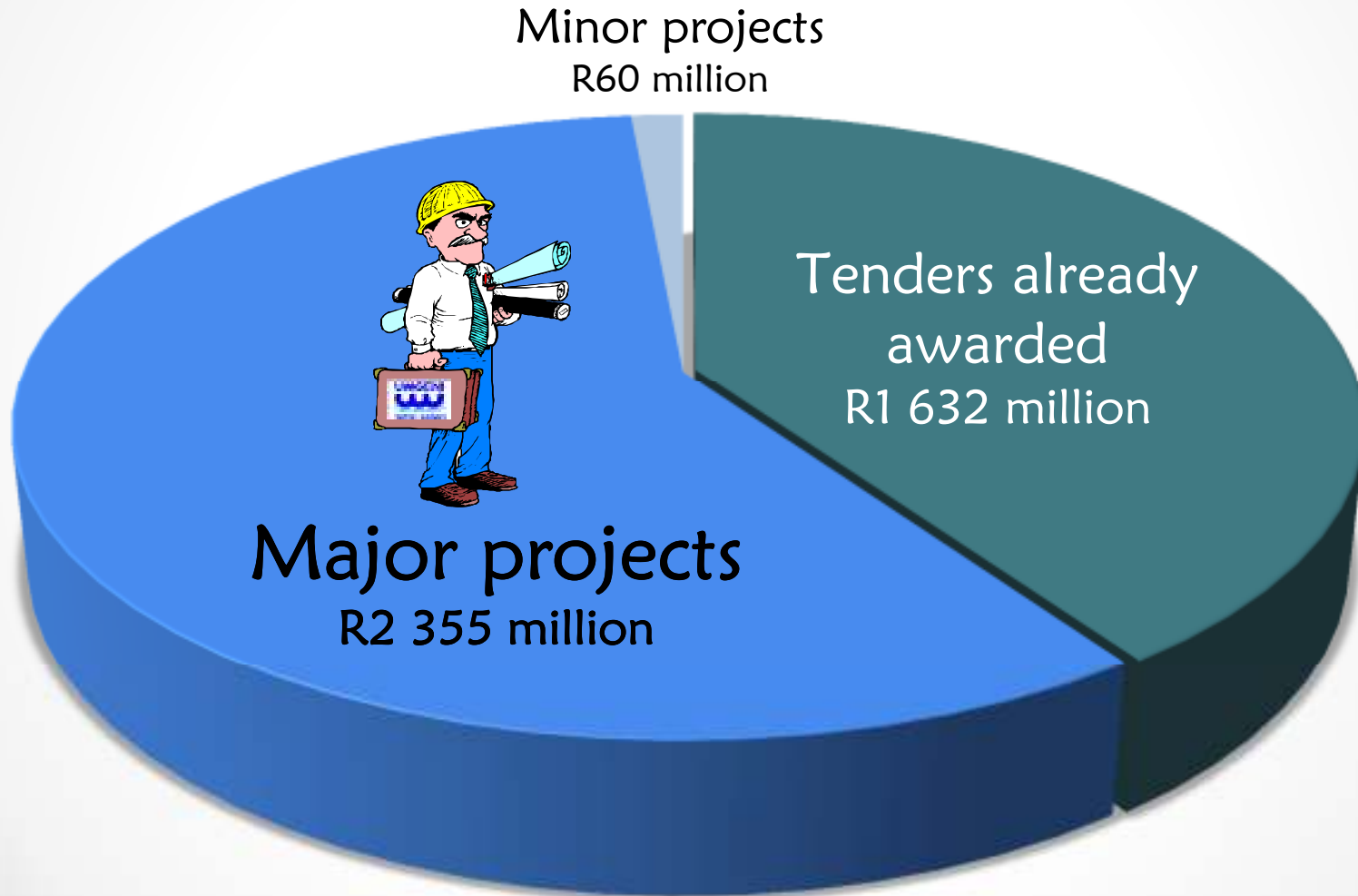
R4 048 million



5-Year Cashflow

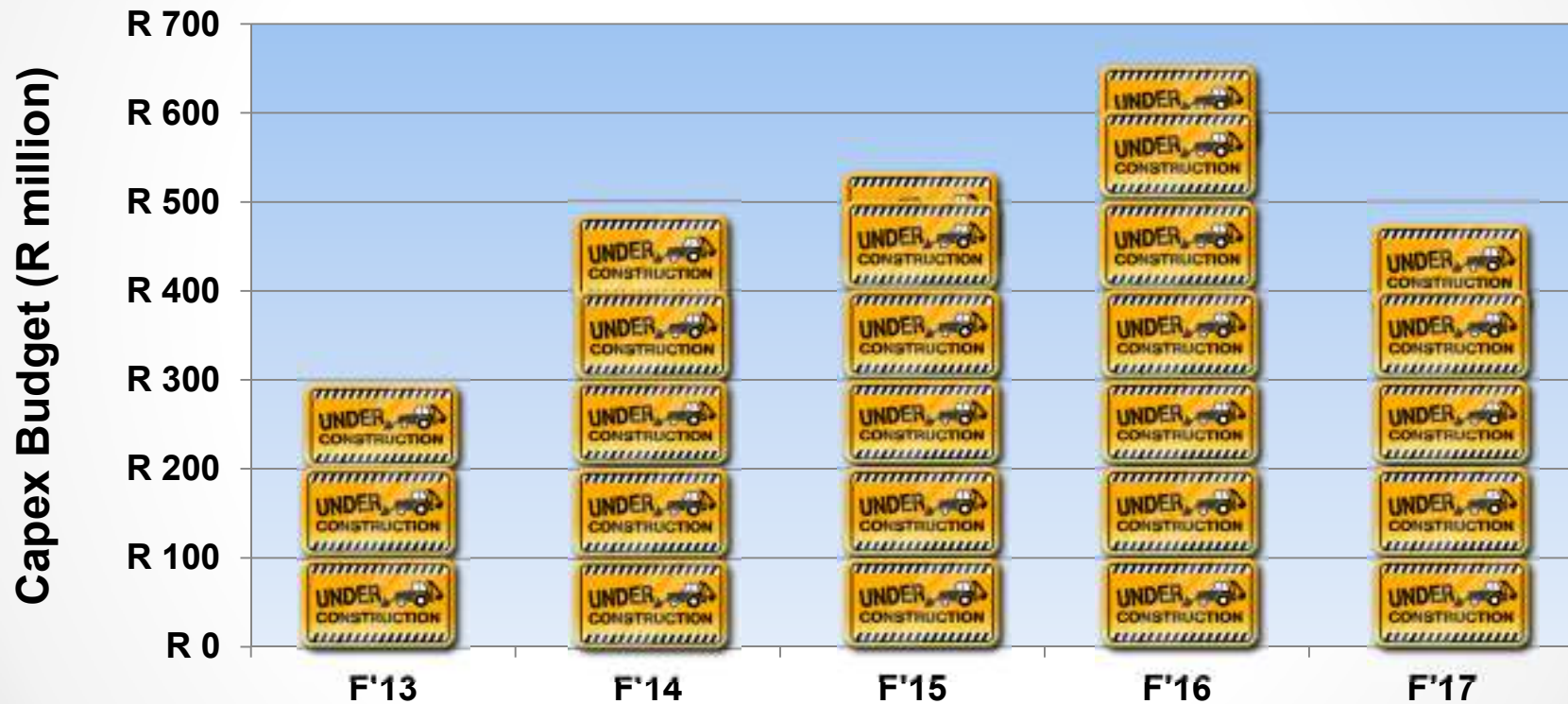


5-Year Capex Project Split



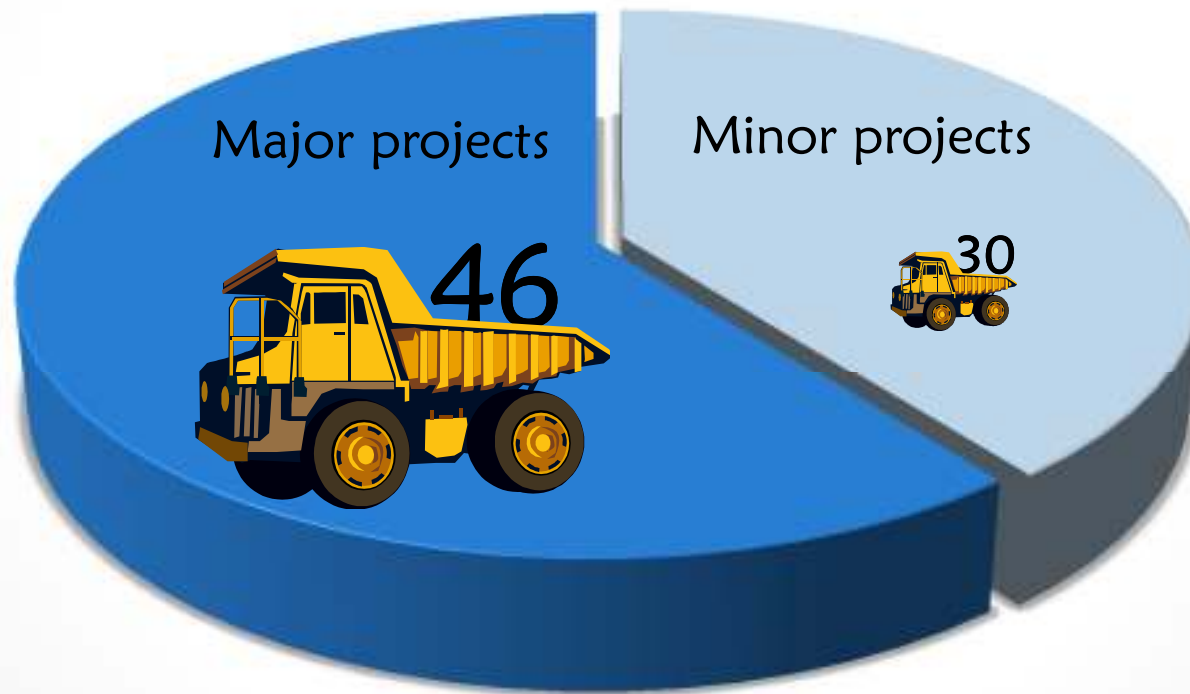
5-Year Cashflow

Tenders still to be advertised & awarded



5-Year Capex Project Split

Number of projects still to be advertised & awarded



NOTE: One project may consist of a number of separate tenders
Projects may be grouped together into one tender

Major Projects

< R50 million	35
R50 – R100 million	5
R100 – R150 million	1
R150 – R200 million	1
> R200 million	4



Major projects per Water Service Authority



Major Project Types

Number of projects (of the 46 major projects) that have one, or more, of the following components in them:

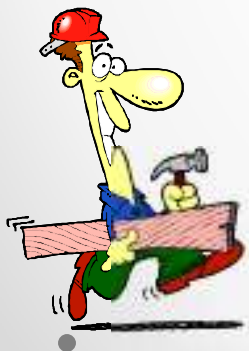


Reservoirs	11
Pipelines	13
Pump Stations	10
Water Works (or part thereof)	20
Wastewater Works (or part thereof)	9

NOTE: One project may consist of more than one of the components. Similar components from different projects may be combined in a single tender.

Greater Mpofana Bulk Water Supply Scheme (Phase 1)

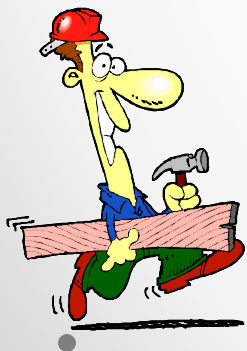
- Scheme components:
 - Water Treatment Works (15MI/day)
 - Pumpstation
 - Pipelines x 2 (~ 500Ø x 13km & 400Ø x 7.5km)
 - Reservoirs x 3 (~ 12 MI, 10 MI & 1 MI)
- Detailed design currently being undertaken in-house
- Construction scheduled for early 2014



Project > R200 million

Midmar Water Works Upgrade

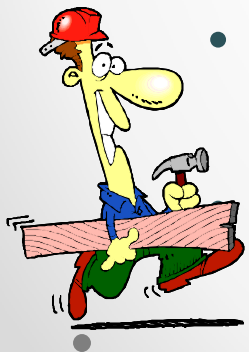
- Upgrade treatment capacity from 250 MI/day to 375 MI/day
 - Includes new filter plant, sludge plant centrifuge & outlet works
- Design tender to be advertised shortly
- Construction scheduled for late 2014/early 2015



Project > R200 million

uMshwathi Regional Bulk Water Supply Scheme (Phases 1, 2 & 3)

- Scheme components:
 - Phase 1 – Pipeline (~850Ø x 26km), booster pump station & reservoir (5MI)
 - Phase 2 - Pipeline (~ 700Ø x 15km), booster pump station & reservoir (10MI)
 - Phase 3 – Pipeline (~ 600Ø x 22km), Pipeline (~ 300Ø x 14.5km) & booster pump station (x2)
- Detailed design (Phase 1) currently being undertaken in-house
- Design tenders (Phase 2 & 3) to be advertised shortly

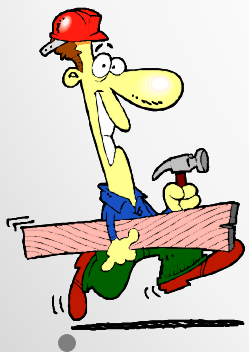


Construction (all Phases) scheduled for mid 2014

Project > R200 million

Darvill Wastewater Works Upgrade

- Upgrade treatment capacity from 55 Ml/day to 85 Ml/day
- Design tenders have been evaluated and an award will be made shortly
- Construction scheduled for early 2013



Project > R200 million

THANK YOU



Technical details of Umgeni Water's Infrastructure Master Plan 2012 can be found at www.umgeni.co.za