

# ITEM 5.3.1: Mooi-Mgeni Transfer Scheme (MMTS)

SPRING GROVE DAM  
2013

# MOOI-MGENI TRANSFER SCHEME (MMTS-2)

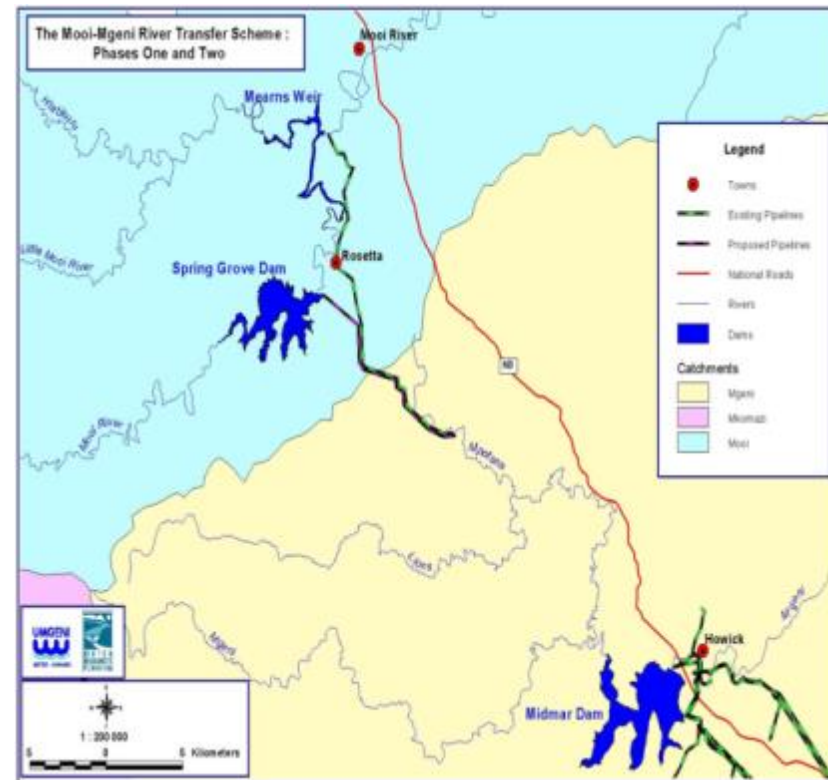
## Spring Grove Dam

- Phase 1: Operation and Maintenance
- Spring Grove Dam is 37.7 m high with a storage capacity of 139.5 million m<sup>3</sup>
- Capital cost: R 635 million

## Water Transfer Scheme

- Phase 2: **On-going - 65% complete**
- 4.8 MW Pump Station at the Spring Grove Dam
- Pipeline (14.9 km, diameter varying from 650 mm to 1 800 mm)
- 8.3 km of Umgeni Water potable pipeline
- Refurbishment of MMTS-1
- Capital budget: R 611 million
- Milestones:
  - Commissioning : **July 2015**
  - Water delivery: October 2015

## Schematic layout of the project



# Project Status - MMTS-2 Dam

## Physical Progress

- Spring Grove Dam at Operation and Maintenance Phase
- Resettlement – 37 houses being constructed at Mooi River

## Program

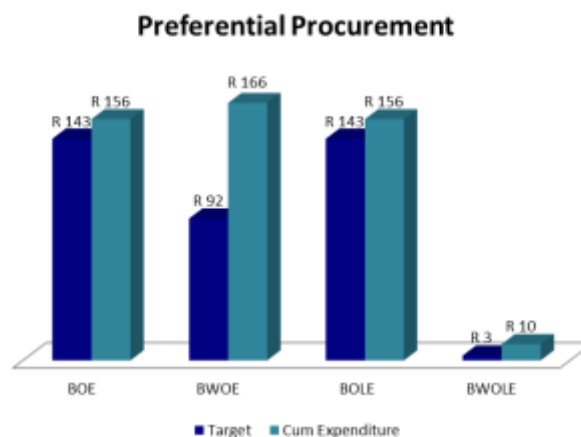
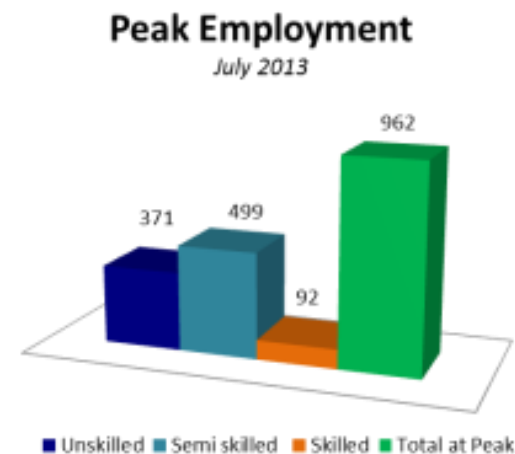
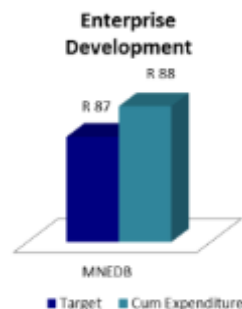
Start of construction	Feb. '11
Completion	Aug. '13
Impoundment	Mar. '13
% Completion	100%

## Cost

Approved Contract Budget	R 668m
Contract Close-out	R 635m
% Spent against Budget	95%

## Socio Economic Development

Socio-Economic Development	At Award	Progress
PSP BBBEE rating score card	Level 4	Level 2
PSP Black Individual	46.12%	47.31%
Interns Seconded to PSP	-	3



# Project Status - MMTS-2 Water Transfer Scheme

## Physical Progress

- Land acquisition completed
- 14.9 km pipeline for Water Transfer System completed (excl. 0.1 km railway/R103 crossing)
- 8.3 km UW potable pipeline - **0% complete**
- Pump Station – civils work is **80% complete**
- Refurbishment of MMTS-1 - **95% complete**

## Program

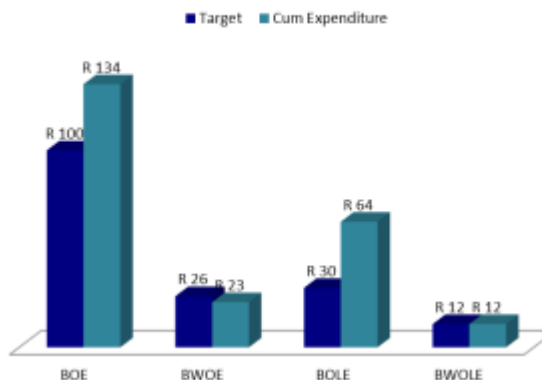
Start of construction	Oct. '13
RFC	Jul. '15
RFO/Completion	Dec. '15
% Completion	65%

## Cost

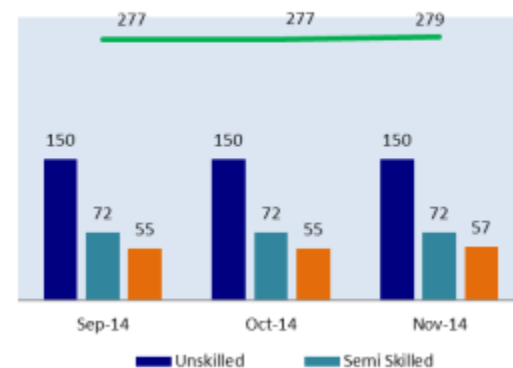
Approved Contract Budget	R 611m
Cumulative to Date	<b>R 290m</b>
Forecast at completion	<b>R 606m</b>
% Spent against Budget	<b>47%</b>

## Socio Economic Development

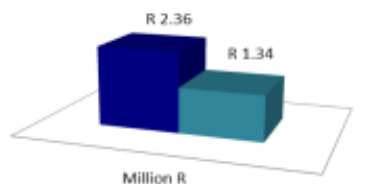
### Preferential Procurement



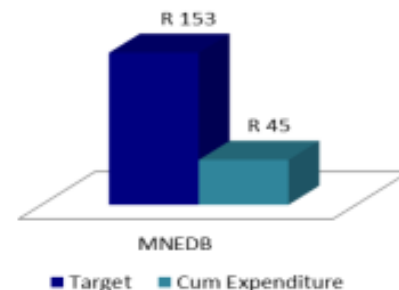
### Employment



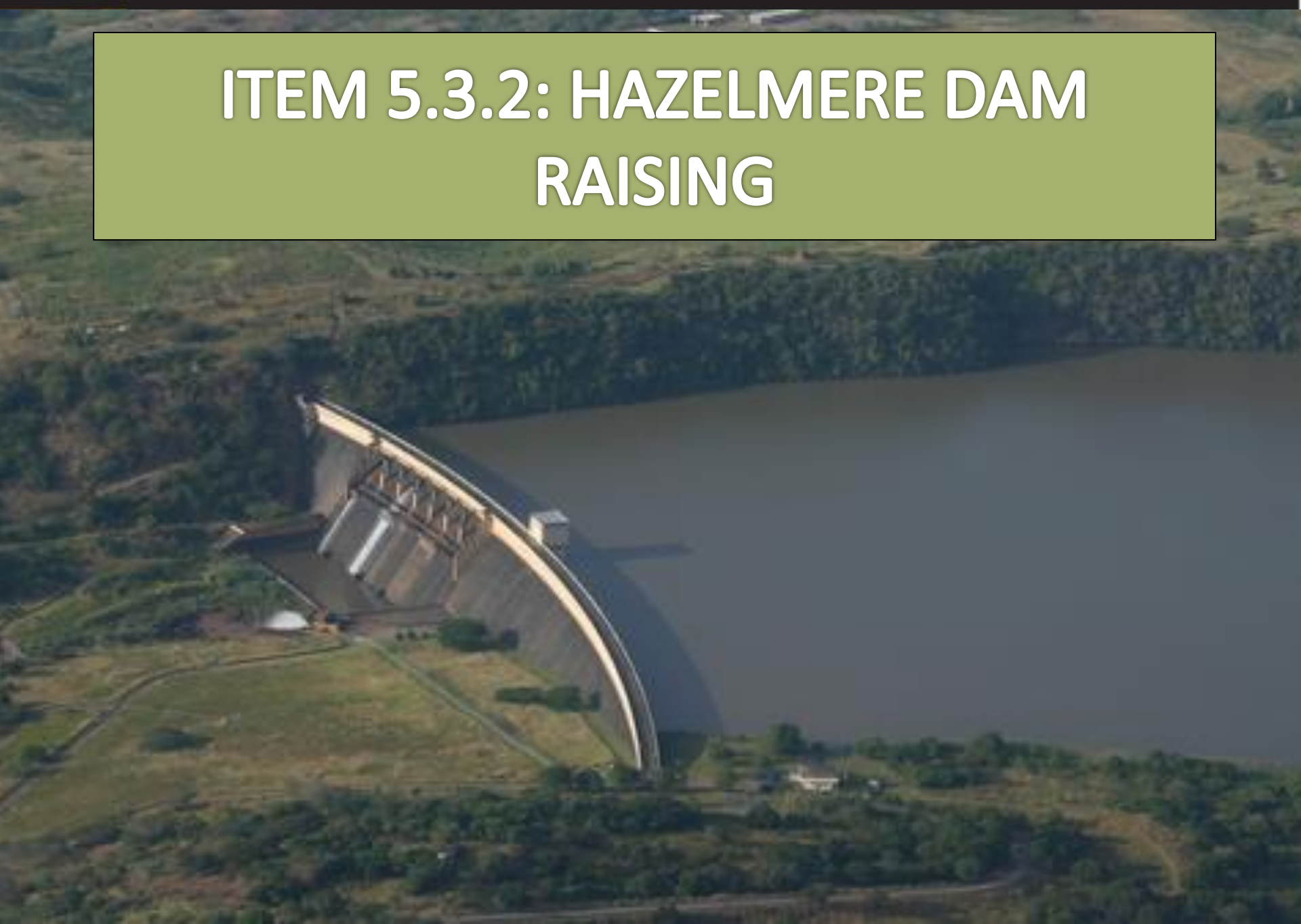
### Skills Development



### Enterprise Development



# ITEM 5.3.2: HAZELMERE DAM RAISING



# MDLOTI RIVER DEVELOPMENT HAZELMERE DAM RAISING

## Project Scope

- Civil works for spillway (Piano Key Weir).
- Stabilise dam structure through anchorage
- Acquisition of additional land in dam basin

## Project cost

- The revised estimate ( July 2014): R 578 million (incl. VAT, contingencies, escalation)
- Total estimated completion cost : R 600 million

## Programme

ROD approved	Nov 2009
RID approved	June 2010
Construction commenced	July 2015
Anticipated Project completion	June 2017

## Description

This project is to augment the water supply to the KZN North Coast by increasing the yield of the dam for medium term supply

## Socio Economic Development

- Direct project jobs estimated at 300

## Key Issues

- Compensation of land owners
- Appointment of land valuator
- Resolution of the State Attorney regarding rate overcharging by the Valuator
- MOU is finalised awaiting signatories from the three parties (DWS, Cogta and EThekweni Municipality)

# MDLOTI RIVER DEVELOPMENT HAZELMERE DAM RAISING (CONT.)

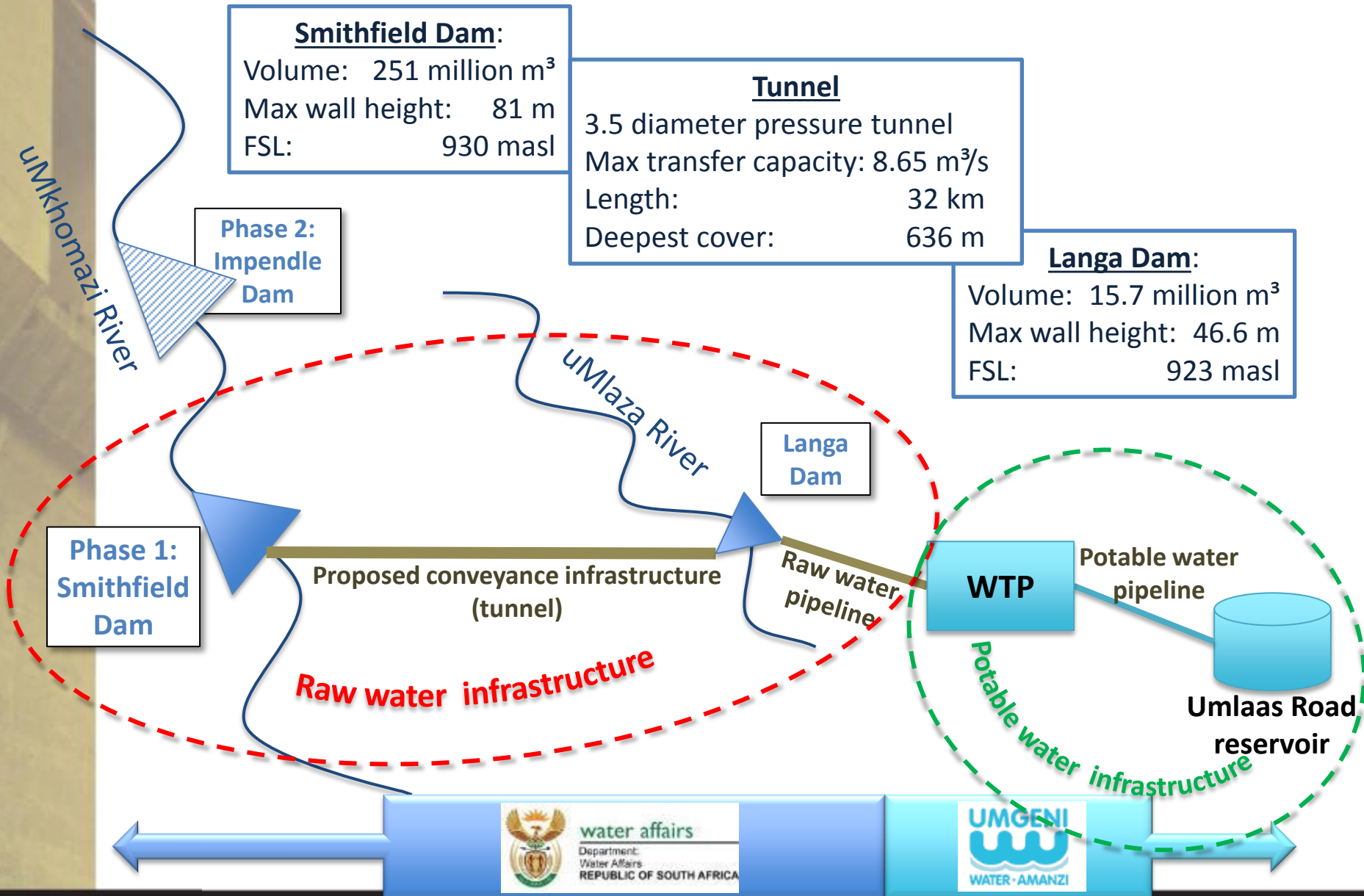
## Progress

- Contract W0568 WTE (demolition of buildings within new dam boundary line, protection of graves and access road) completed
- Construction of dam wall
  - Civil Works contractor is appointed, site hand-over was done on 30 June 2015
  - Commencement date for construction: 01 July 2015
  - Construction period is 24 months
- Valuation
  - 14 valuation reports approved by Minister, 20 outstanding
  - Valuator has stopped due to overspending - matter referred to Legal Services
- Resettlement in process
- 15 houses affected by raising of Hazelmere
  - DWS following due process including consultation with HOD of Human Settlement and Municipal Manager of eThekweni Municipality
  - NB: 13 houses will be build on 260 ha owned by the CPA, 2 houses will be build on communal land

# ITEM 5.3.3: uMkhomazi River Project (uMWP)



# Project components



# Smithfield Dam



# Langa Dam



# UMKHOMAZI WATER PROJECT (uMWP)

- **MODULE 1: TECHNICAL FEASIBILITY STUDY- RAW WATER**
  - Feasibility design completed
  - PSP contract expires end November 2016
- **MODULE 2: EIA**
  - Scoping phase completed
  - Initiated specialist studies
  - Authorisation expected end 2016
- **MODULE 3: TECHNICAL FEASIBILITY STUDY – POTABLE WATER**
  - Feasibility design completed

## Feasibility study

Module 1: Technical  
(Raw Water)

Module 2: EIA

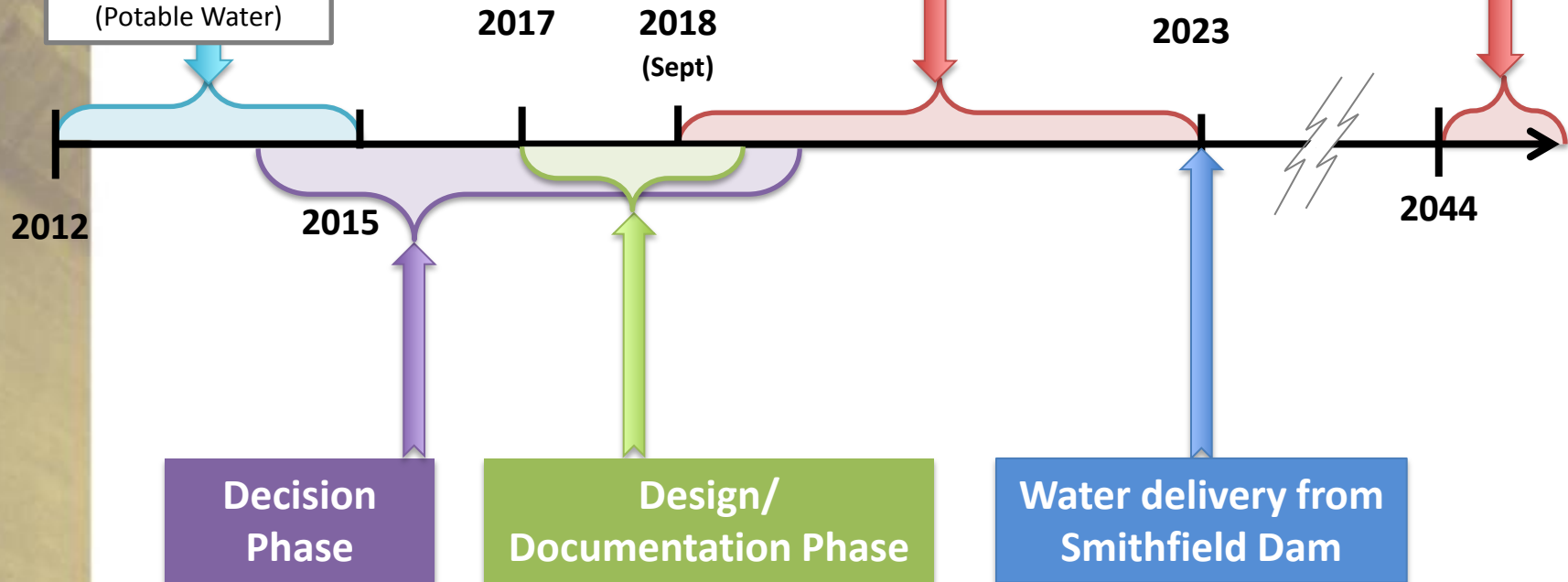
Module 3: Technical  
(Potable Water)

## Construction

Phase 1:  
Smithfield Dam

## Implementation

Phase 2:  
Impendle Dam



Total capital cost: R 16 516 million (2014 Rands excl VAT)

# KEY MEETINGS HELD WITH MUNICIPALITIES

		Date
	<b>eThekwini Metropolitan Municipality</b>	
1	Briefing Meeting with Head: Water & Sanitation, Mr Ednick Msweli	Monday, 08 June 2015
2	Human Settlement Infrastructure Committee Meeting	Tuesday, 21 July 2015
3	Site Visit to uMkhomazi Water Project Study Area	Wednesday, 12 August 2015
	<b>Ilembe District Municipality</b>	
4	Presentation to Management Committee	Monday, 08 June 2015
5	Presentation to Technical/Portfolio Committee	Wednesday, 24 June 2015
	<b>Harry Gwala District Municipality/WSA</b>	
6	Meeting with Technical Team	Tuesday, 21 April 2015
7	Executive Committee Meeting	Tuesday, 25 August 2015
	<b>Msunduzi Local Municipality/WSA</b>	
8	Presentation to Management Committee	Tuesday, 21 October 2014
9	Infrastructure Portfolio Committee	Tuesday, 17 March 2015
10	Executive Committee Meeting	Thursday, 02 April 2015
	<b>Ugu District Municipality/WSA</b>	
11	Presentation to Management Committee	Monday, 15 September 2014
12	Water & Sanitation Portfolio Committee	Tuesday, 14 October 2014
13	Executive Committee Meeting	Wednesday, 29 April 2015
	<b>Ingwe Local Municipality</b>	
14	Executive Committee Meeting	Thursday, 02 Oct 2014
15	Meeting Traditional Leaders, incl HGDM	Friday, 10 July 2015

# PENDING MEETINGS WITH MUNICIPALITIES

		Likely Date to be held
	<b>eThekwini Metropolitan Municipality</b>	
1	Executive Committee Meeting	Sept/Oct 2015
	<b>Ilembe District Municipality</b>	
2	Executive Committee Meeting	Sept/Oct 2015
	<b>Harry Gwala District Municipality &amp; Ingwe LM</b>	
3	Site Visit to uMkhomazi Water Project Study Area	Sept 2015
	<b>Umgungundlovu District Municipality/WSA</b>	
4	Presentation to Management Committee	September 2015
5	Water & Sanitation Portfolio Committee	October 2015
6	Executive Committee Meeting	October 2015