

6.2 Review and Updating of Strategy Interventions

Hazelmere Dam
(northcoastcourier.co.za)

Intervention Options List

Main scheme	Start date	End date	Comment/s
Mooi-Mgeni Transfer Scheme Phase 2A & B (DWS/TCTA)			
Upgrade Mearns pump station and pipeline (3.2 m³/s)	In progress	Dec 2015	1 st commissioning Feb 2016
Delivery via MMTS2B (1.8 m³/s)	-	Dec 2015	-
Hazelmere Dam Raising (DWS) – 23.0 to 43.7 million m³			
Construction	Jul 2015	Jul 2017	
Delivery		2018/2019	DWS estimate
North Coast Pipeline and Hazelmere Supply Infrastructure (Umgeni Water)			
Construction pipeline from Honolulu to Mvoti pump station	-	Jun 2014	Pump station to Ballito experienced delays
Hazelmere reuse			
Regional Wastewater Works			eThekweni – feasibility study for regional wastewater works on North Coast

Intervention Options List

Main scheme	Start date	End date	Comment/s
Mvoti River Scheme (DWS)			
Feasibility Study	Apr 2017	Apr 2020	Estimated start date (timeline moved)
EIA (including estuary)	Jun 2017	Apr 2020	-
Detailed design	Aug 2020	Jul 2022	-
Construction	Oct 2022	Oct 2025	-
Delivery	-	Apr 2026	-
Lower Thukela Bulk Water Supply Scheme (Umgeni Water)			
Construction Phase 1	Feb 2014	Jun 2016	Underway – 1 st delivery by April 2016
Delivery Phase 1 (55 Mℓ/d)	-	Dec 2016	-
Construction Phase 2	Jul 2017	Dec 2018	Uncertain
Delivery Phase 2 (55 Mℓ/d, total 110 Mℓ/d)	-	Jan 2019	-

Intervention Options List

Main scheme	Start date	End date	Comment/s
Direct reuse of treated wastewater (eThekweni MM)			
Tender preparation and adjudication	Jan 2015	Jun 2015	-
Tender award, financing and site establishment	Jun 2015	Jun 2016	-
Construction and commissioning	Jul 2016	Jul 2018	-
Delivery (41 million m³/a)	-	Jul 2018	-
Desalination of seawater (Umgeni Water)			
Funding procurement, design and tender phase	Jan 2016	Jul 2017	1 year assumed starting 2016
Construction	Jul 2017	Jun 2019	2 years assumed
Delivery (150 Mℓ/d)	-	Jul 2019	Tongaat (long term option, due to other feasible options) or Lovu options

Intervention Options List

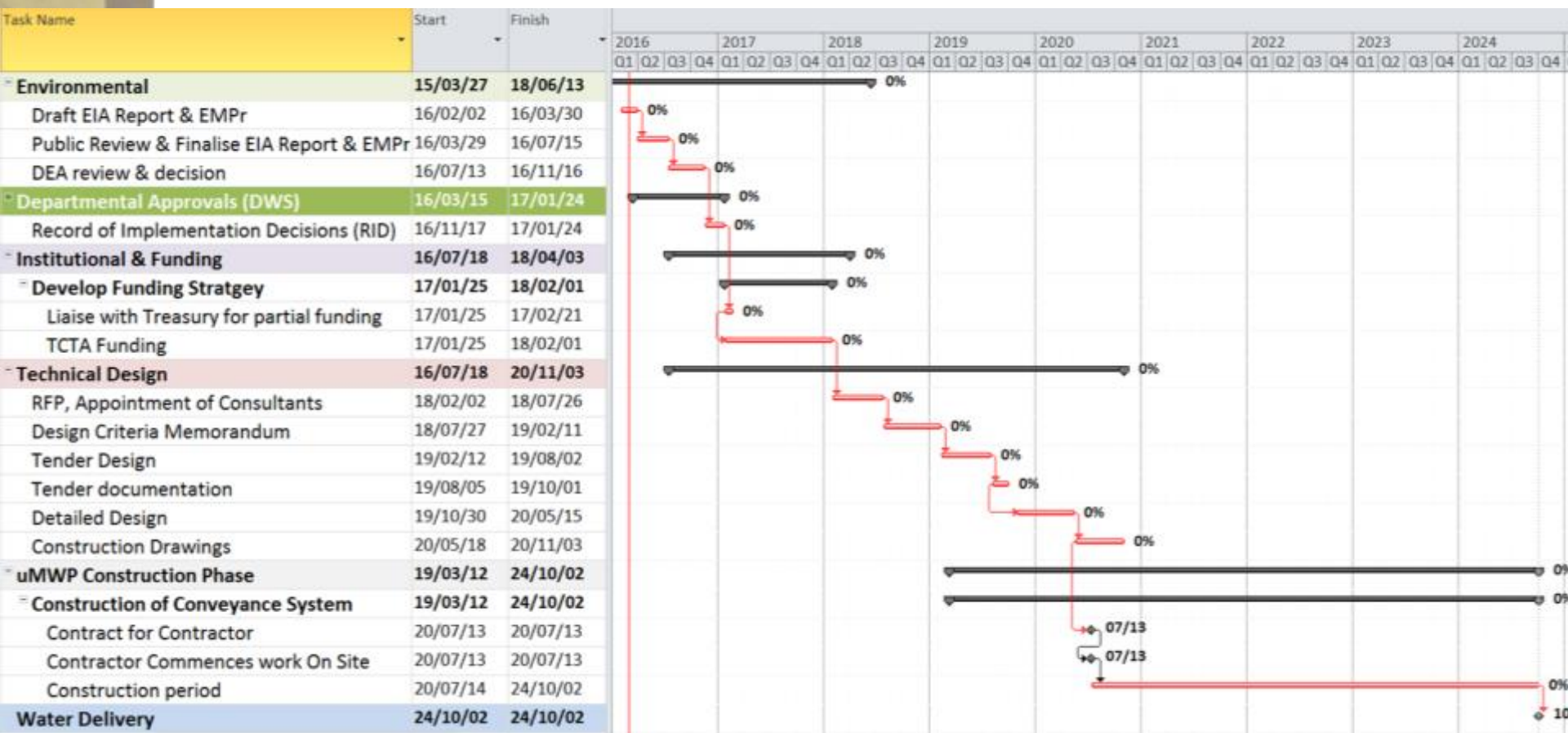
Main scheme	Start date	End date	Comment/s
uMkhomazi Water Project Phase 1 (DWS)			
Feasibility Studies (Raw and Potable Water)		End 2015	Completed
Feasibility Study EIA	Nov 2012	Jun 2016	EIA to be submitted in Feb 2016
Decision to proceed with uMWP-1 and offtake agreements	Dec 2016	Dec 2017	-
Detailed design	Jan 2017	Dec 2018	-
Construction	Jan 2019	Dec 2022	-
Delivery (220 million m³/a, or 214 with release to Lower uMkhomazi)	-	Apr 2023	
Lower uMkhomazi Bulk Water Supply Scheme (Umgeni Water)			
Feasibility Study	Jul 2014	April 2016	
EIA (including estuary)	Mid 2015	End 2016	
Detailed design	Early 2017	Early 2018	
Construction (Delivery 100 Mℓ/d)	-	Mar 2022	Yield available before & after uMWP-1 with releases

uMkhomazi Water Project 1



uMKHOMAZI WATER PROJECT PHASE 1

CRITICAL PATH PROGRAMME



uMKHOMAZI WATER PROJECT PHASE 1

RISKS

1. Time to finalise off-take agreements: TCTA - UW - Muni's
2. Environmental approval / appeals (time and cost)
3. Changing of legislative requirements, such as Mining EIA requirements, etc.
4. Obtain funding (incl. grant funding from NT)
5. DWS resource capacity to manage and initiate project
6. Procurement of service providers / contractors
7. Acquirement of land
8. Socio-economic issues on site