



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

Continuation of the Reconciliation Strategy of the KZN Coastal Metro Areas


Intervention options

2014

Presented by:
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Interventions list as per SSC5

MAIN SCHEME	Start Date	End Date
Mooi Mgeni Transfer Scheme Phase 2 A		
Spring Grove Dam		
Construction	Feb 2011	May 2013
Impounding	Nov 2012	March 2013
Water Delivery via MMTS-1		April 2013
Upgrade Mearns Pump Station and pipeline (3,2 m ³ /s)	Oct 2011	Nov 2012
Mooi Mgeni Transfer Scheme Phase 2 B		
Pipeline & Pump station		
EIA (Transfer pipeline & measuring weir on Little Mooi River)	Feb 2012	Dec 2012
Detailed Design	Jan 2012	Nov 2012
Construction	Jan 2013	Dec 2014
Delivery via MMTS-2B (1.8 m ³ /s)		Dec 2014
Hazelmere Dam Raising (DWA)		
Design of civil works	Oct 2011	
Contract for gates	Nov 2012	Nov 2012
Preliminary design work/geotech to confirm best raising option	Feb 2012	Jun 2012
Decision to continue with Hazelmere Dam as an option	July 2012	Aug 2012
Finalise design/tenders	Sep 2012	Nov 2012
Construction	Jan 2013	Sep 2014
Delivery		Sep 2014
uMkhomazi Scheme (DWA)		
Feasibility Study (Raw Water)	Oct 2011	Sept 2016
Feasibility Study (Potable Water)	Aug 2012	Dec 2013
Detailed Design	Oct 2016	Sept 2018
Construction	Oct 2018	Oct 2022
Delivery		Jan 2023
Mvoti River Scheme (DWA)		
Feasibility Study	Dec 2012	Dec 2015
EIA (including estuary)	Jan 2012	Jan 2016
Detailed Design	April 2016	Mar 2018
Construction	June 2018	June 2021
Delivery		Jan 2022
Lower Thukela Transfer (Umgenei Water)		
Feasibility Study		31 July 2011
Detailed Design	1 Aug 2011	31 May 2012
Construction	1 Jul 2012	31 Mar 2015
Delivery		31 Dec 2014
North Coast pipeline and Hazelmere Dam infrastructure upgrades (Umgenei Water)		
Construction of Avondale to Honolulu reservoir		Nov 2009
Construction North Coast pipeline Honolulu to Mvoti Balancing Reservoir		Oct 2010
Construction of Honolulu to Mvoti Pump Station		July 2013
Construction of the Hazelmere to La Mercy Bifurcation Pipeline	Feb 2012	Nov 2013
Raw water pipeline from Hazelmere Dam to Hazelmere WTW		Mar 2013
Upgrade Hazelmere WTW		Feb 2014
Desalination (Umgenei Water)		
Site Selection	March 2011	Dec 2012
Feasibility Study	Jan 2012	31 July 2013
Re-use treated sewage effluent (eThekweni Metro)		
PSP for Mgeni Estuary reserve appointed		March 2011
Results of Mgeni Estuary workshop		Sept 2011
DWA decision		April 2012
EIA process and approval	Nov 2011	Nov 2012
Tender preparation and adjudication	Jan 2013	July 2013
Tender award, financing and site establishment	July 2013	June 2014
Construction and commissioning	July 2014	June 2016
Water delivery		July 2016



Revised intervention implementation dates for SSC6 Water Balances

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Water Delivery via MMTS-1		April 2013
Upgrade Mearns Pump Station and pipeline (3,2 m ³ /s)	Oct 2011	2014
Mooi Mgeni Transfer Scheme Phase 2 B		
Pipeline & Pump station		
EIA (Transfer pipeline & measuring weir on Little Mooi River)	Feb 2012	Dec 2012
Detailed Design	Jan 2012	Nov 2012
Construction	Jan 2013	Dec 2014
Delivery via MMTS-2B (1.8 m ³ /s)		2015
Hazelmere Dam Raising (DWA)		
Design of civil works	Oct 2011	
Contract for gates	Nov 2012	Nov 2012
Preliminary design work/geotech to confirm best raising option	Feb 2012	Jun 2012
Decision to continue with Hazelmere Dam as an option	July 2012	Aug 2012
Finalise design/tenders	Sep 2012	Nov 2012
Construction	Jan 2013	Sep 2014
Delivery		2017
uMkhomazi Scheme (DWA)		
Feasibility Study (Raw Water)	Oct 2011	Sept 2016
Feasibility Study (Potable Water)	Aug 2012	Dec 2013
Detailed Design	Oct 2016	Sept 2018
Construction	Oct 2018	Oct 2022
Delivery		2023
Mvoti River Scheme (DWA)		
Feasibility Study	Dec 2012	Dec 2015
EIA (including estuary)	Jan 2012	Jan 2016
Detailed Design	April 2016	Mar 2018
Construction	June 2018	June 2021
Delivery		2024

Lower Thukela Transfer (Umgeni Water)		
Feasibility Study		31 July 2011
Detailed Design	1 Aug 2011	31 May 2012
Construction	1 Jul 2012	31 Mar 2015
Delivery		2016
North Coast pipeline and Hazelmere Dam infrastructure upgrades (Umgeni Water)		
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Raw water pipeline from Hazelmere Dam to Hazelmere WTW		Mar 2013
Upgrade Hazelmere WTW		2014
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Water delivery		2018

Not in table: Lower uMkhomazi – Estimated completion date of end 2019