







Stakeholders - Invited to meetings via e-mail Project Steering Committee - MAWF, NamWater and City of Windhoek Khomas, Kavango, Oshana, Omusati, Ohangwena and Oshikoto Regional Councils Local Authorities, Traditional Authorities, Communal Land Boards Key Government Ministries and Parastatals: Office of the President Office of the Prime Minister National Planning Commission Ministry of Agriculture, Water and Forestry Poverty Eradication and Social Welfare Ministry of Lands and Rehabilitation (MLR) Ministry of Urban and Rural Development Ministry of Public Enterprises Ministry of Works and Transport Ministry of Industrialization, Trade and SME Development Ministry of Environment and Tourism Ministry of Mines and Energy Ministry of Fisheries and Marine Resources Ministry of Information, Technology and Communication Ministry of Higher Education, Training and Innovation NamWater NamPower Roads Authority (RA) TransNamib Bank of Namibia Polytechnic of Namibia (PoN) University of Namibia (UNAM)

| Place | Date and time | Venue | Attendees |
|----------|----------------------------------|-----------------------|-----------|
| Rundu | 21st July, Tuesday | Kavango East Regional | 31 |
| | 08h30 - 13h00 | Council Hall | |
| Oshakati | 22 nd July, Wednesday | Oshandira Lodge, | 20 |
| | 08h30 - 13h00 | Oshakati | |
| Windhoek | 24 th July, Friday | NamPower | 70 |
| | 08h30 - 13h00 | Conference Centre | |

- Full list of attendees in Appendices of report
- PSC participants: V Slinger (MAWF), NP du Plessis (NamWater), HI Peters (CoW)
- Engineering team: H Bruce & B van der Merwe
- Environmental / Social team: C Brown, A Ashby
- Others joined the Windhoek meeting

Stakeholders - Invited to meetings via e-mail

The Private Sector:

Chamber of Mines of Namibia

National Chamber of Commerce and Industry

Engineering Council of Namibia

Namibian Institute of Town and Regional Planners

Walvis Bay Corridor Group

Environmental Assessment Practitioners Association of Namibia

Construction Industries Federation of Namibia

Mining Companies in the Central Area of Namibia

Environmental NGOs and Specialists

General public attending the public meeting and responding to press announcements

Media: Namibia Broadcasting Corporation, newspapers, radio stations





| Topic | Main Issues Raised | |
|---|--|--|
| National Development Implications | Instead of taking water to Windhoek, move big water-demand projects and industries to the Kavango and coast, to where the water is. | |
| | Consider incentives to move population to the coastal areas where desalinated water will not be pumped great distances or heights. This has huge implications on all Local Authorities affected. | |
| | 3. Should we accept current water use patterns? Irrigation at Hardap and Green Schemes in Kavango and Etunda consumes a huge amount of water and creates less economic value than the jobs needing that water in urban areas (about N\$25 million/day from a few key water- reliant industries in Central Area). | |
| Concerns of | The Kavango Region is the poorest region and needs water to develop | |
| Kavango East Region | irrigation and for livestock. The people of Kavango are poorly developed from a water perspective. | |
| | The government wants the Kavango Region to produce Namibia's food, i.e. water needs to be allocated for the Green Scheme projects | |
| | The water needs of Kavango Region should be met before water is pumped away. Cannot take water from the region when areas in Kavango away from the Kavango River do not have good potable water. | |
| | 4. What will be the benefits to the people of Kavango Region of taking their water? | |

| Topic | Main Issues Raised | |
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| Actions Required: Engaging | Leaders at all meetings recommended to urgently brief the Cabinet or National Assembly on the urgency of the situation; | |
| Leadership | City of Windhoek has the plans in place but not the budget to act and N\$1.5billion is required now to reduce the risk to Windhoek becoming dry; that would badly affect Windhoek's contribution from just a few key water-reliant industries that generate over N\$25 million a day for the national economy. | |
| Actions Required: | Urgently need visible and loud awareness campaigns to save water | |
| Raising | now. | |
| Awareness | Need accurate media reporting. | |
| International | Have consultations engaged with Angola and Botswana? | |
| concerns | What is the status of the agreement with Angola in terms of their water use? | |
| | 3. What if Angola decides to pull out of the current agreement? | |
| | Will there be an agreement with these riparian States for water abstraction of the Kavango River? | |
| | Need to ensure water quality and quantity received from Angola is acceptable. | |
| | Need to have a second access point to the Kunene River, should access to Calueque ever be denied. | |

| Topic | Main Issues Raised |
|------------------------|---|
| Impact on the | Climate change is predicted to reduce rainfall over Angola by 250mm by 2045 which will significantly reduce the river flow. |
| Okavango River | Angola is expanding its agricultural schemes in the catchment area and from the river so the flow will reduce. |
| | Many people depend on fish and the river for their livelihoods. Cannot enable people in Windhoek and Oshakati to survive at the expense of others in the river basin. |
| | Namibia's 7 Green Schemes need 400,000m³/day, equivalent to 47% during low flow. |
| | If the maximum flow is reduced, the Delta would become saline, like Etosha. |
| Issues for the Cuvelai | Climate change is predicted to reduce rainfall which is likely to reduce recharge of both the saline and Ohangwena II aquifers. |
| Region | 2. How to reduce the 69% loss between Calueque and Oshakati? |
| | Recognition of the need for water recycling and consensus it would not be a cultural problem for potable water (Oshakati meeting). |
| | Local changes in flows in the iishana are natural, not due to developments in Angola. |
| | Need more technical information on the recharge rates of the Ohangwena II Aquifer, then decide whether to extract sustainably or to mine it and deplete it. |

| Implications | How will the shortfall be addressed if there is no in-flow into the dams |
|------------------------|--|
| for the | next rainy season? Will still need water restrictions for several years to |
| Central Area | come. |
| of Namibia | Need to clean up flow into Swakopoort Dam from industries, from overflow of Goreangab, overflow from Gammans in Windhoek and sewage works at Okahandja, and from informal settlements. |
| | Expensive water-saving technologies and recycling of effluent may be more cost effective than desalination from the coast. |
| Implications | 1. When the taps run dry, it will close down the dairy industry and we will |
| for the | lose 700 jobs. |
| Economy / | 2. Any plans to prohibit new water-intensive industries in the Central Area, |
| Business in | not just in City of Windhoek? |
| the Central Area | Impact of high water costs and price on the consumer. |
| The | What are some advantages and disadvantages of desalination? |
| Desalination | Consider a combination of solar and wind energy with desalination; |
| Option Implications | Support application to the Green Climate Fund; |

| Issues recommended | 1. | To extend the Terms of Reference (TOR) to examine desalination option in detail. |
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| for further study | 2. | To include current and future water demand from the Kavango River for the Kavango regions – both urban and rural, and particularly the Green Schemes. |
| | 3. | Strong recommendation from the Kavango Region stakeholders to conduct a detailed study on current and future water demand and potential impacts, particularly socio-economic, including tourism, of taking water from the Kavango River. |
| | 4. | To consider Angola's current economic expansion and future plans affecting water demand. |
| | 5. | Consider the link from the ENWC into the system of Otjivero dam for Gobabis as a higher risk but lower liability. |
| | 6. | Consider rural areas adjacent to Karibib, Omaruru and Usakos e.g. Omatjete, Okombahe, Uis, Spitskoppe, which are experiencing critical water shortages and poor water quality. |
| | 7. | Consider the capacity of the ministry (MAWF) and the DWA to implement plans. |
| | 8. | Construct a measuring point at Katwitwi |
| | 9. | Not only consider source but also efficient use & reticulation systems. |
| | 10. | Impact on the cost of water to end users. |
| | 11. | Has the economic impact of not having water been considered? (Potential loss, → economic impact?) |
| | 12. | Should develop Strategic National Integrated Resource Plans that combine water & electricity. |

Clarifications 1. Where do we get more water – from underground or surface water? / Comments 2. Why don't we make use of the perennial Orange River? on the 3. What is the source of water brought from Grootfontein to Windhoek? Engineering 4. Would the water from the Okavango River be treated at source? Pre-feasibility 5. Is the Inga Dam in Congo still an option or is it only for electricity? Study Comments on Challenge from Kavango Region, whether the meeting was to inform or to have an input on what is going to happen. Environmenta Criticism that information on Kavango Region's current and future I Study and demand had not been included. Consultation 3. The next public meeting (in Kavango) should include discussions with Process local people/community. Client was commended that it employed professional and independent teams and for a job well done. 5. Clarification on difference between the 2010 integrated resource management plans and the need for an Integrated Strategic Environmental Assessment (SEA).