



Noupoort Feasibility Study

Noupoort, Northern Cape, South Africa



Project Details

Client:	Mainstream Renewable Power
Project Type:	Feasibility Study
Initiated:	Apr 2022
Completed:	Aug 2022
Project Value:	ZAR 400 000

Project Description

Noupoort is a small and very vulnerable community to the effects of climate change. As a result, this Karoo town in the Northern Cape province of South Africa have been experiencing long period of droughts. These challenges have put the community and local municipality under stress to provide water security for the town. IWS was approached by Mainstream to conduct a feasibility to investigate the towns water infrastructure. Based on our findings the area struggles with unreliable power supply for their water infrastructure, inadequate water provision, and various leakages along the water reticulation system. This has forced the local municipality to implement water cuts. The daily water cuts between 8 am and 5 pm has severely influenced the daily activities of residents such as the schools, clinics and businesses. The research IWS conducted has given us great insights into how to provide the best fitted solution for Noupoort. Therefore, IWS has propose to equip the boreholes solar energy and to refurbish or replace the leakage pipelines within the water reticulation system. Currently the proposed activities of the project are being discuss amongst all the stakeholders involve such as the client, local municipaility and the community.

Project Impact

**Assessing Municipal
Water Infrastructure**

**Partnered with Local Municipality, IPP,
Schools and Clinics.**

