

Province

- ☐ Select all
- ☐ (Blank)
- ☐ Eastern Cape
- ☐ Free State
- ☐ Gauteng
- ☐ Kwazulu Natal
- ☐ Limpopo
- ☐ Mpumalanga
- ☐ North West
- ☐ Northern Cape

Station

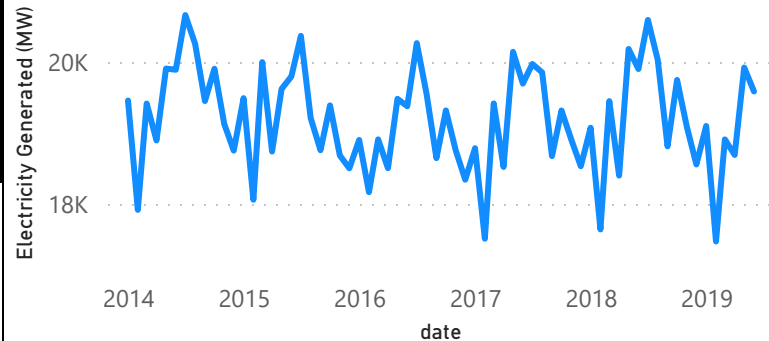
- ☐ Select all
- ☐ Acacia
- ☐ Ankerlig
- ☐ Arnot
- ☐ Avon
- ☐ Camden
- ☐ Colley Wobbles
- ☐ Dedisa
- ☐ Drakensberg
- ☐ Duvha

2014/01/01

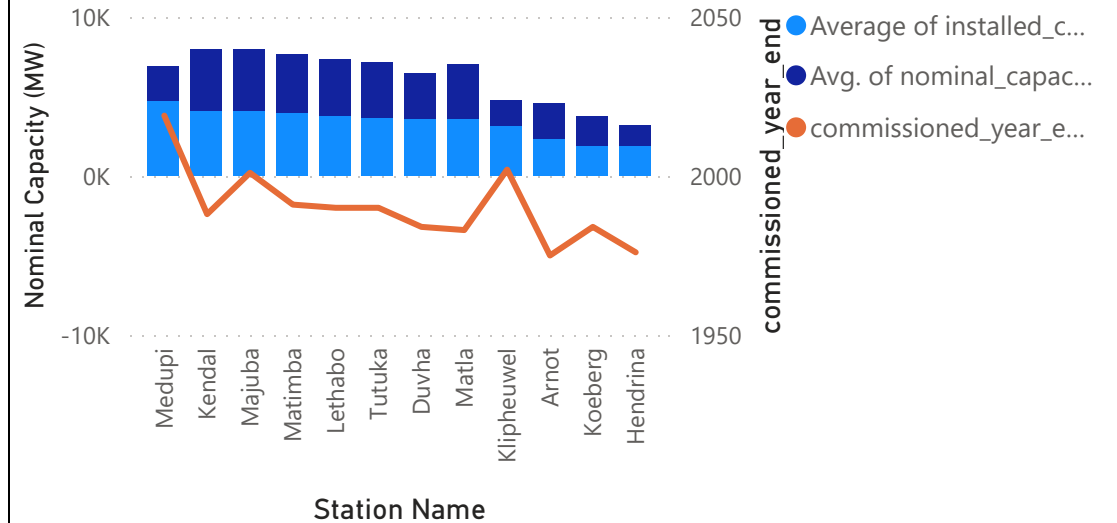
2019/06/01



Average of electricity_generated_MW by date



Average of Nominal and Installed Capacity by Commission Year End



Operator

- ☐ Select all
- ☐ Aldwych Interna...
- ☐ Bethlehem Hydro
- ☐ City of Cape Town
- ☐ City of Tshwane
- ☐ Eskom
- ☐ International po...
- ☐ IPSA Group
- ☐ Kakamas Hydro ...

Station Type

- ☐ Select all
- ☐ Coal
- ☐ Gas/liquid fuel t...
- ☐ Hydroelectric st...
- ☐ Nuclear
- ☐ Pumped storag...
- ☐ Wind energy

Location

- ☐ Select all
- ☐ Atlantis
- ☐ Balfour
- ☐ Bergville
- ☐ Bethal
- ☐ Bethlehem
- ☐ Cape Town
- ☐ Durban
- ☐ East London
- ☐ Emalahleni

Status

- ☐ Select all
- ☐ 1st Unit Operati...
- ☐ Awaiting constru...
- ☐ Decommissioned
- ☐ Operational
- ☐ Project on hold
- ☐ Under constructi...

Station Information

status	planned_decomm
Awaiting construction	Unplanned
Operational	Unplanned
Under construction	Unplanned
Operational	Unplanned
1st Unit Operational	Unplanned
Operational	Unplanned

Station name with count of ID

id	station_name
1	Arnot
2	Camden
3	Duvha
4	Grootvlei
5	Hendrina

Nominal Capacity and Provinces

nominal_capacity_MW	province
8321	Eastern Cap
3260	Free State
7032	Gauteng
3954	Kwazulu Na
70056	

Operator with installed capacities

operator_name	inst
Aldwych International	
Bethlehem Hydro	
City of Cape Town	
City of Tshwane	
Total	

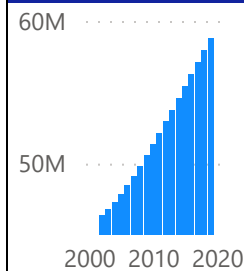
Households Connected

3M

Average electricity generated

19.20K

Yearly Population Size



Population Growth Rate %

1,44

Summary of Stations

Operational
37
Decommissioned
2
1st Unit Operational

Peak Electricity Generated (MW)

21K

Total Number Of Stations

43

Number of Units

2 10



Type

- ☐ (Blank)
- ☐ coal
- ☐ Gas/Diesel
- ☐ Hydro
- ☐ mini-Hydro
- ☐ Nuclear
- ☐ pumped storage Hydro

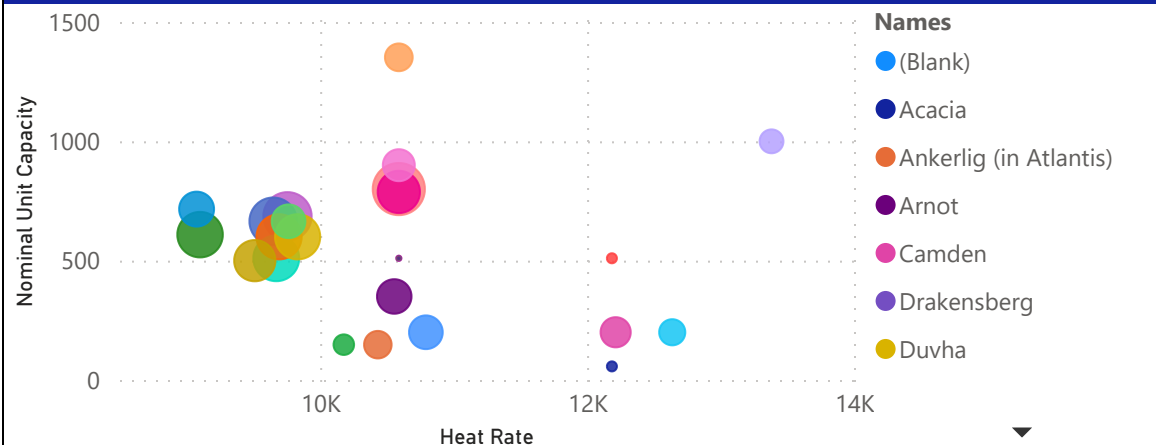
Station

- ☐ (Blank)
- ☐ Acacia
- ☐ Ankerlig (in Atlantis)
- ☐ Arnot
- ☐ Camden
- ☐ Drakensberg
- ☐ Duvha
- ☐ ...

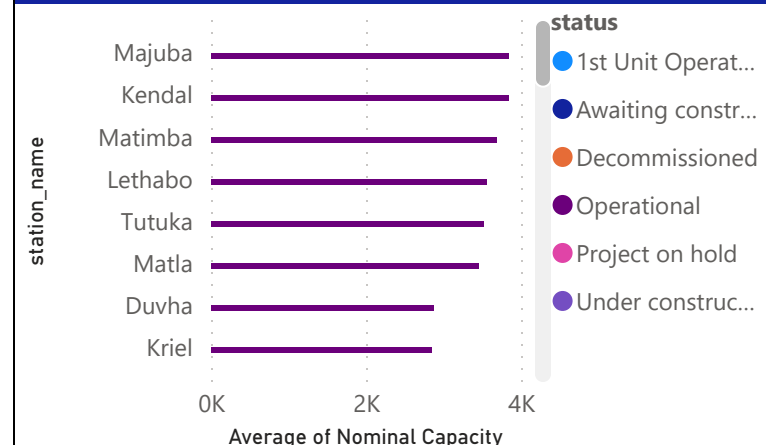
Province

- ☐ (Blank)
- ☐ Eastern Cape
- ☐ Free State
- ☐ Kwazulu-Natal
- ☐ Kwazulu-Natal or Free St...
- ☐ Limpopo
- ☐ Mpumalanga
- ☐ ...

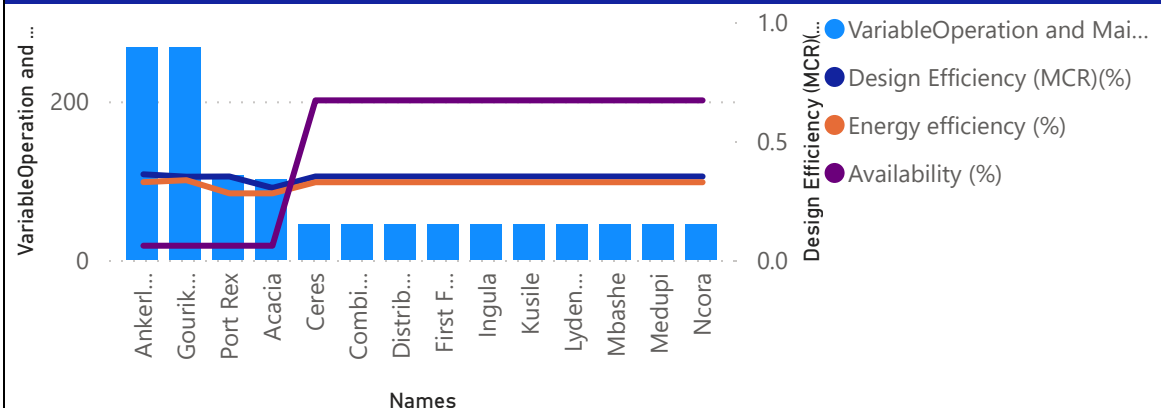
Heat Rate by Nominal Unit Capacity and Max Unit Capacity



Avg. Nominal Capacity by Plant Status



Plant Cost, Efficiency and Availability



Station Information

Names	Number of Units	VariableOperation
Acacia	3	
Ankerlig (in Atlantis)	9	
Arnot	6	
Camden	8	
Drakensberg	4	
Duvha	6	
First Falls	5	
Total	156	

Avg. of Ramp Rate

0.31

Avg. Fixed Operating Cost (million)

5.69K

Avg. of Plant Availability

0.65

Avg. of variable operations and maintenance costs

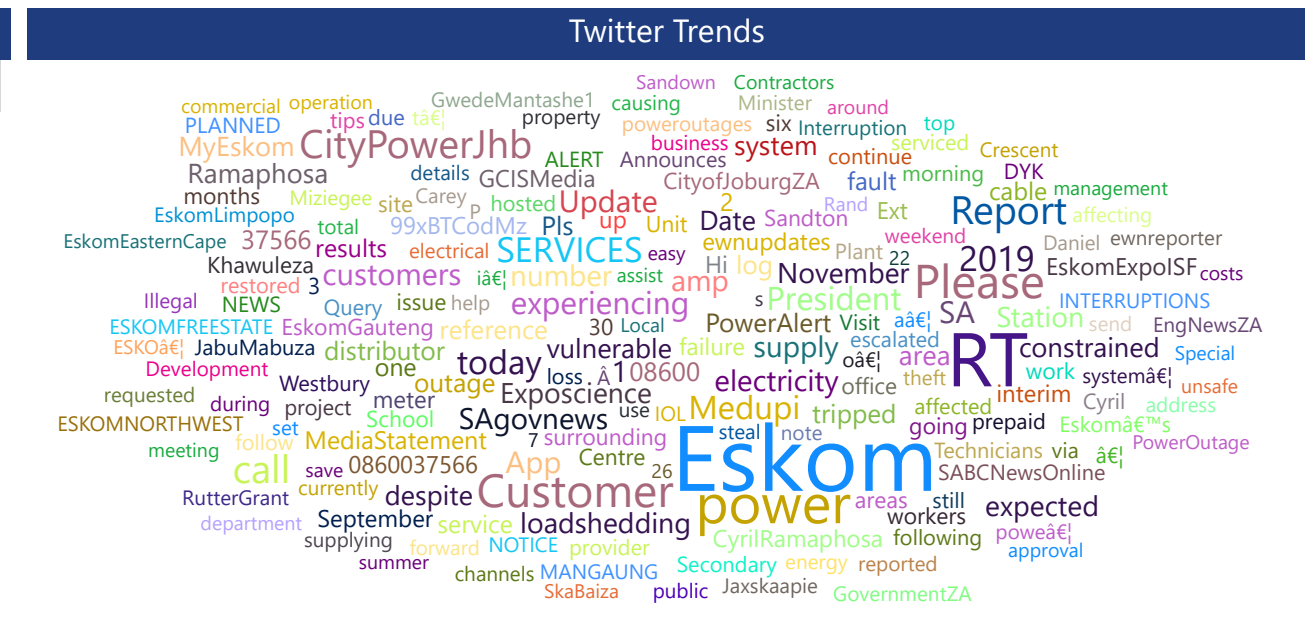
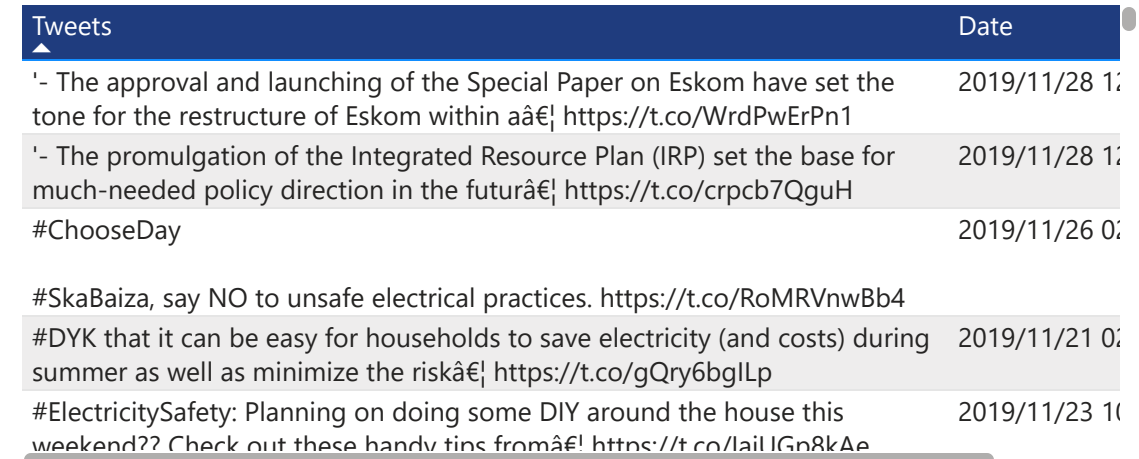
44.87

Total Number of Station Units

156

Hashtag

All



5235

installed_capacity

location

- ☐ Atlantis
- ☐ Balfour
- ☐ Bergville
- ☐ Bethal
- ☐ Bethlehem
- ☐ Cape Town
- ☐ Durban
- ☐ East London
- ☐ Emalahleni
- ☐ Ermelo
- ☐ Grabouw
- ☐ Grootvlei
- ☐ Helderberg

