

Online Benchmarking Training

Fiscal year 2019

Data Reliability

1. Click on 'Data Reliability'.



Data Reliability

2. Application will open a form with some question to be rated as A, B, C and D.

3. Fill the form.

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire **Data Reliability** Governance Gender Calculated Factors Indicators

Data Reliability

Question	Description	Reliability Grade ?	
i.	*How is fuel consumption calculated or derived?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 i
ii.	*How are generation quantities calculated or derived?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 ii
iii.	*How are customer outage impacts calculated or derived?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 iii
iv.	*How are network demands and capacity utilisation calculated or derived?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 iv
v.	*How are the number of connections or customers calculated?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 v
vi.	*Where is financial information sourced from?	<input type="text" value="A"/>	Please fill in any supporting information on your self assessment in Table 3 vi

Data Reliability

4. Click on 'Save as Draft' button if some information will be filled later.
5. Click on 'Submit' button.
6. Application will save the form.

Governance

1. Click on 'Governance'.
2. Application will open a form with some Yes/No questions.



Governance

3. Fill the form.

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire Data Reliability **Governance** Gender Calculated Factors Indicators

Governance

	Response (Y/N)	Explanation
1. * Are government ministers appointed to the board?	No	Please explain why answer is either a 'Yes' or a 'No'
2. * If government ministers or other public servants are appointed to the board, do they represent their line and/or sector ministry?	Select	Please explain why answer is either a 'Yes' or a 'No'
3. * Does the Board have a conflict of interest policy and a code of conduct that is being fully implemented?	Yes	Please explain why answer is either a 'Yes' or a 'No'
4. * Is the utility operating within a clearly defined commercial mandate?	No	Please explain why answer is either a 'Yes' or a 'No'
5. * Is the CEO of the utility on a performance contract which has annual reviews?	Yes	Please explain why answer is either a 'Yes' or a 'No'
6. * Does the Board develop a forward looking business plan, with financial, operational and capital expenditure projections that covers a minimum time period of three (3) or more years?	Yes	Please explain why answer is either a 'Yes' or a 'No'
7. * Is an audited annual report completed within four months of the closure of each financial period?	No	Please explain why answer is either a 'Yes' or a 'No'
8. * Does the annual report disclose the companies performance against the strategic plan?	No	Please explain why answer is either a 'Yes' or a 'No'

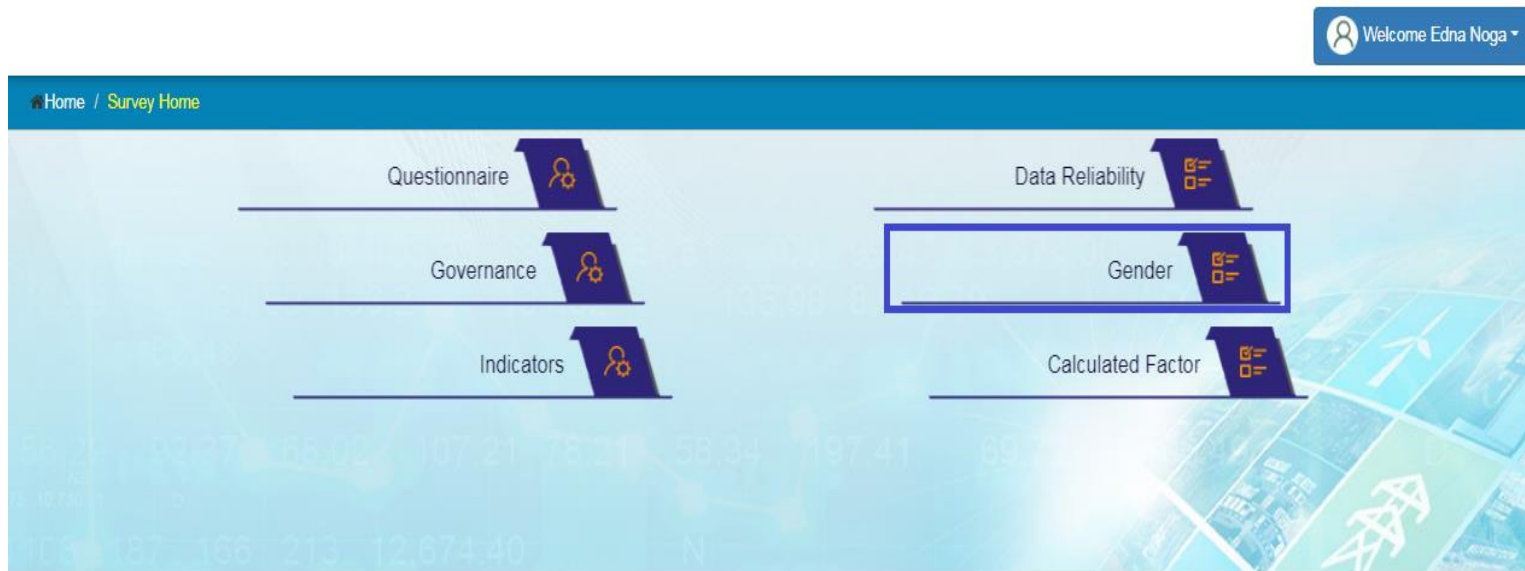
Save as Draft Submit

Governance

4. Click on 'Save as Draft' button if some information will be filled later.
5. Click on 'Submit' button.
6. Application will save the form

Gender

1. Click on 'Gender'.
2. Application will open a form with gender related questions.



Gender

- Fill the form.

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > **Gender** > Calculated Factors > Indicators

Gender

Total number of staff in the organisation

* 1.a Total number of staff

* 1.b Total number of male staff

* 1.c Total number of female staff

Technical staff in the organisation (Generation, Transmission, Distribution Depts)

* 2.a Total number of technical staff

* 2.b Total number of male technical staff

* 2.c Total number of female technical staff

* 3 Is the CEO/General Manager/first officer in charge male or female? (M/F)

* 4 Is the second officer in charge of the organisation male or female? (M/F)

Senior Staff reporting directly to the CEO

5.a Total number of senior staff

5.b Total number of male senior staff

5.c Total number of female senior staff

Number of senior female staff in the organisation, according to role

Gender

3. Click on 'Save as Draft' button if some information will be filled later.
4. Click on 'Submit' button.
5. Application will save the form.

Calculated Factor

- Click on 'Calculated Factor'.



- Application will open a form auto calculated fields which are non editable.

Calculated Factor

View the form.

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

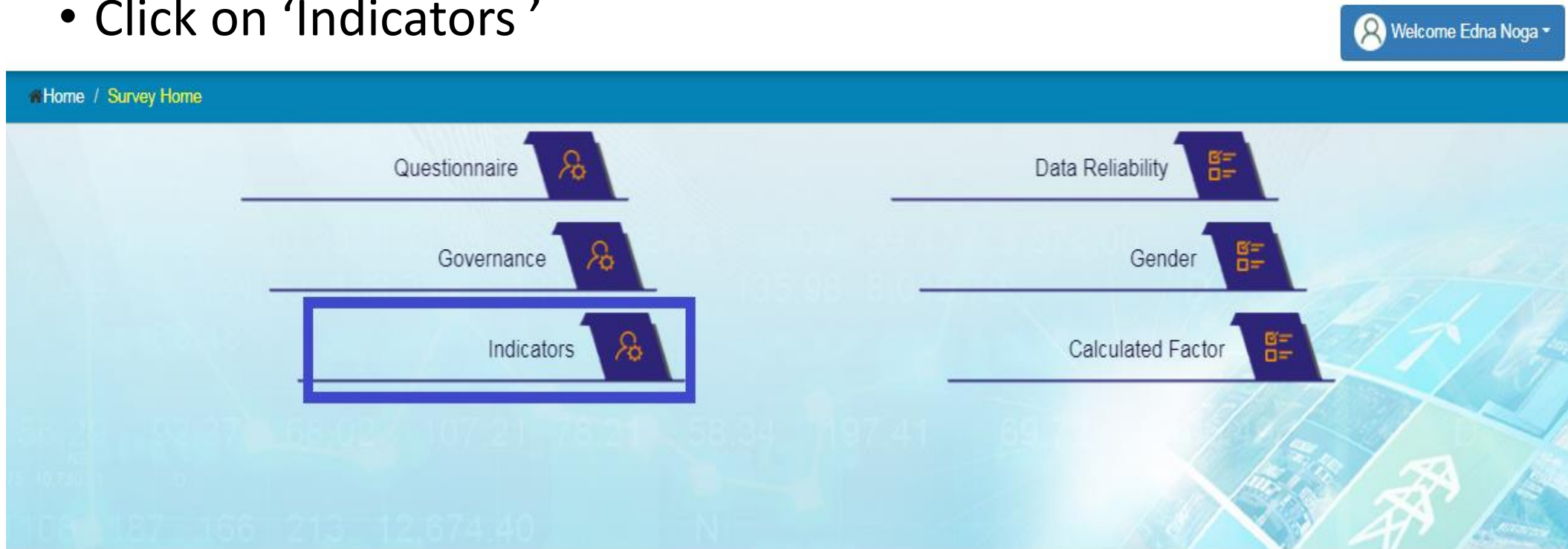
Questionnaire > Data Reliability > Governance > Gender > **Calculated Factors** > Indicators

Calculated Factors

A	Gross Generation (MWh) ⓘ	164,943.00	167,271.00
	Total Utility Generation (MWh) ⓘ	164,943.00	167,271.00
	Total IPP Generation Purchased(MWh) ⓘ	0.00	0.00
B	Net Generation(MWh) ⓘ	156,902.00	159,193.00
C	Total Utility Generation Capacity(MWh) ⓘ	485,654.40	485,654.40
D	Total Guaranteed/Contracted IPP Generation Capacity(MWh) ⓘ	0.00	0.00
E	Total Installed System Generation Capacity(MW) ⓘ	55.44	55.44
F	Total Number of FTE Generation Employees(FTE employees) ⓘ	82.68	82.68
G	Total Fuel Oil Generation(MWh) ⓘ	160,761.00	161,993.00
H	Total Fuel Usage (L) ⓘ	42,394,549.00	42,869,601.00
	Total Fuel Usage (kg) ⓘ	35,611,422,000.00	36,010,466.00
I	Total Utility Capacity Hours Out Of Service (MWh) ⓘ	3,134.00	3,134.00
J	Total IPP Capacity Hours Out Of Service (MWh) ⓘ	5,664.00	0.00
K	Total Capacity Hours Out Of Service (MWh) ⓘ	8,798.00	3,134.00
L	Average Number of Distribution & Customer Service Employees (employees) ⓘ		47.50

Indicators

- Click on 'Indicators '



- Application will open a form auto calculated fields which are non editable.

Indicators

- View the following fields listed below:
 - Generation
 - Transmission
 - Distribution
 - Demand Side Management
 - Human Resource/ Safety
 - Customers/ General
 - Financial Indicators

Generation

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > **Indicators**

Generation

Transmission

Distribution

Demand Side Mangement

Human Resources / Safety

Customers / General

Financial Indicators

Generation		Main Grid	All Grids
1	Load Factor (%)	72.35	71.98
2	Capacity Factor (%)	33.96	34.44
3	Availability Factor (%)	98.19	99.35
4	Generation Labour Productivity (GWh/FTE generation employee)	1.99	2.02
5	Specific Fuel Oil Consumption (volume) (kWh/L)	3.79	3.78
5	Specific Fuel Oil Consumption (weight) (kWh/kg)	0.00	4.50
6	Lube Oil Consumption (kWh/L)	770.67	772.41
7	Forced Outage (%)	214.17	0.00
8	Planned Outage (%)	0.26	0.00
9	Generation O&M Costs (US\$/MWh)		47.48
10	Power Station Usage (%)	4.90	4.83
11	Renewable Energy to Grid (%)	2.27	2.89
12	IPP Energy Generation (%)	0.00	0.00
13a	Distillate Generation (%)	97.46	96.84

Generation Indicator

Transmission

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > **Indicators**

Generation
Transmission
Distribution
Demand Side Mangement
Human Resources / Safety
Customers / General
Financial Indicators

Transmission

Main Grid only

15	Transmission Losses (%)	100.00
16	Transmission Reliability (outage events/100 km)	NaN
17	Transmission SAIDI (planned) (mins)	NaN
17	Transmission SAIDI (unplanned)	NaN

Transmission Indicator

Distribution

Wizard

Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > Indicators

Distribution		Main Grid	All Grids
18	Network Delivery Losses (%)	7.44	7.40
19	Distribution Losses (%)	7.44	
20	Customers per Distribution Employees (customers/distribution employee)		258.91
21	Distribution Reliability (events/100km)	17.64	
22	Distribution Transformer Utilisation (%)	21.91	
23	Distribution O&M Cost (US\$/km)	21,237.50	
24	Distribution SAIDI (Total) (mins per customer)	63.85	
24.1	Distribution Related SAIDI (Unplanned) (mins per customer)	63.70	
24.2	Distribution Related SAIDI (Planned) (mins per	0.15	

Distribution Indicators

Demand Side Management

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > **Indicators**

Generation

Transmission

Distribution

Demand Side Mangement

Human Resources / Safety

Customers / General

Financial Indicators

Demand Side Mangement

Main Grid Only

26	DSM Initiatives	Yes
27	DSM Budget (USD)	0.00
28	DSM FTE Employees (FTE employees)	0.00
29	DSM MWh Savings (MWh)	0.00
30	Power Quality Standards	None

Demand Side Management Indicators

Human Resources/ Safety

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > **Indicators**

Generation
Transmission
Distribution
Demand Side Mangement
Human Resources / Safety
Customers / General
Financial Indicators

Human Resources / Safety

Main Grid Only

31	Lost Time Injury Duration (days)	0.23
32	Lost Time Injury Frequency Rate (injuries per million hrs worked)	14.56
33	Labour Productivity (customers/FTE employee)	86.25

Human Resource/Safety Indicators

Customers/General

Wizard Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire > Data Reliability > Governance > Gender > Calculated Factors > **Indicators**

Generation

Transmission

Distribution

Demand Side Mangement

Human Resources / Safety

Customers / General

Financial Indicators

Customers / General

	Main Grid	All Grids
34 Service Coverage (%)		97.61
35 Productive Electricity Usage (%)	68.00	66.99
36a Lifeline Tariff Usage (%)		0.00
36b Domestic Usage (%)		33.01
36c Commercial Usage (%)		27.89
36d Industrial Usage (%)		17.71
36e Other Usage (%)		21.39
37 Customer Unbilled Electricity (%)		0.00
38 Self Regulated or Externally Regulated		Self Regulated

Customers/General Indicators

Financial Indicators

Wizard

Benchmarking Year: 2017 / Utility Name: ASPA

Questionnaire Data Reliability Governance Gender Calculated Factors Indicators

Generation

Transmission

Distribution

Demand Side Mangement

Human Resources / Safety

Customers / General

Financial Indicators

Financial Indicators

		Main Grid	All Grids
39	Operating Ratio		1.90
40	Debt to Equity Ratio		27.70
41	Rate of Return on Assets		10.40
42	Return on Equity		6.03
43	Current Ratio		146.45
44	Debtor Days		171.32
45	Average Supply Cost (US c /kWh)	25.00	25.55

Financial Indicators