

Zambia SME Survey: Supporting Documents

Card 1

0 – No obstacle to my business
1 – Minor obstacle to my business
2 – Moderate obstacle to my business
3 – Major obstacle to my business
4 – Very severe obstacle to my business

Card 2

1 - Petroleum based fuels (e.g. diesel/gasoline for a generator)
2 - Coal
3 - Wood fuel (e.g. firewood/charcoal)
4 - Natural gas
5 – Bagasse (from sugar cane) or other form of biofuel
6 - Solar power
7 - Wind power
8 - Manual labour
9 - Other energy source (please specify)

Card 3

1 – The National Grid is too expensive
2 – The National Grid's supply is too unreliable
3 – My business is located too far from the grid
4 – Other (<i>please specify</i>)

Card 4

1 - Less than once a month
2 - 1-5 times/month
3 - 6-10 times/month
4 - 11-15 times/month
5 - 15+ times/month, but not everyday
6 - Everyday

Card 5

1 - Heat (e.g. welding, heating, water)
2 - Communications and IT
3 - Lighting
4 – Equipment and other motive power
5 - Water pumping
6 - Cooling
7 - Other (please specify)

Card 6

1 – Strongly disagree
2 – Disagree
3 – Neither agree nor disagree
4 - Agree
5 – Strongly agree

Card 7

1 – My business' productivity decreases at times of power outage
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2 – My business' productivity increases at times of power outage
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3 – Power outages have no impact on my business' productivity

Card 8

1 – Demand has decreased as a result of power shortages

2 – Demand has increased as a result of power shortages

3 – Power shortages have had no impact on demand
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Card 9

1 - Supplier has been unable to supply sufficient raw materials or goods, or has been delayed supplying raw materials or goods
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2 - Supplier's prices have increased

3 - Supplier has switched to a different commodity, product or crop

4 - Supplier has gone out of business

5 - Supplier has relocated its facilities to cope with power outages
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6 - Other (<i>please specify</i>)

Card 10

	True/False
Statement 1 – My business has already reduced its total number of employees due to power outages.	
Statement 2 – My business might reduce its workforce in the future if power outages continue.	
Statement 3 – My business has reduced employees hours of work as a result of power outages	
Statement 4 – At times of power outage my business has temporarily dismissed employees/ sent employees home early	
Statement 5 – Power outages are a factor preventing my business from hiring new employees	
Statement 6 – Power outages have had no impact on the number of employees in my business	
Statement 7 – My business is considering taking on extra employees in response to power outages	
Statement 8 – My business has already taken on extra employees in response to power outages	

Card 11

1 - From national government
2 - From local county/ local administration
3 - From NGOs or from other international institutions (e.g World Bank)
4 - From electricity provider
5 - From industry associations
6 - From other businesses
7 - From family and friends
8 - From others (please specify)

Card 12

1 – My business has switched to more energy efficient equipment or lighting
2 – My business turns equipment or lights off when they are not in use
3 – My business has installed timers to power lighting or equipment only when it is needed
4 – My business has switched to a different commodity, service, product or crop that requires less electricity
5 - Other (please specify)

Card 13

1 - The price that I sell at has decreased as a result of power outages
2 - The price that I sell at has increased as a result of power outages
3 - Power outages have had no effect on my price of sale
4 – Other (<i>please specify</i>)

Card 14

1 - Zesco fliers
2 - ZNBC Radio
3 - ZNBC TV
4 - Private Radio Station
5 - SMS cellphone
6 - Newspapers
7 - Zambia Met Department
8 – Social media
9 – (Other) internet news source
10 – Word of mouth
11 - Other (please specify)

Card 15

1 – Invest in a generator
2 – Invest in other alternative sources of electricity
3 – Reduce employee numbers
4 – Increase employee numbers
5 – Reduce hours of operation
6 – Adjust hours of operation
7 – Take out a loan
8 – Take out insurance
9 – Sell assets
10 – Mortgage/rent assets
11 – Switch to a different commodity, good or crop
12 – Start trading or farming an additional commodity, good or crop
13 – Adopt new technologies or upgrade infrastructure/equipment
14 – Relocate facilities or assets
15 – Work with other businesses
15 – Other (please specify)

Card 16

1 – Financial barriers (e.g. cost, access to finance)
2 – Access to land
3 – Access to technology or facilities
4 – An inadequately educated/under-skilled workforce
5 – Time
6 – Transportation and logistics
7 – Cultural and social barriers
8 - Corruption
9 – Lack of knowledge to implement strategy
10 - Lack of confidence to implement strategy
11 - Other barriers (please specify)

Card 17

1 – Invest in a water storage tank/ jojo
2 – Implement rainwater harvesting
3 – Develop system for recycling water
4 – Purchase bottled water/water dispenser/water cooler
5 – Use bulk water delivery/water bowsing/water trucking service
5 – Acquire own borehole/well
6 – Implement water rationing measures
7 – Reduce employee numbers
8 – Increase employee numbers
9 – Reduce hours of operation
10 – Adjust hours of operation
11 – Take out a loan
12 – Take out insurance
13 – Sell assets
14 – Mortgage/rent assets
15 – Switch to a different commodity, good or crop
16 – Start trading or farming an additional commodity, good or crop
17 – Adopt new technologies or upgraded infrastructure/equipment
18 – Relocate facilities or assets
19 – Collaborate with other businesses
20 – Other (<i>please specify</i>)

Card 18

1 – Invest in sandbags, flood guards, new walls or other flood defences
2 – Keep ditches and drains clean to reduce blockages
3 – Install non-return valves on drains
4 – Purchase water pumps
5 – Move assets or possessions from a ground floor area
6 – Vacate premises, or parts of premises
7 – Change business premises physical structure (e.g. installing concrete floors, replacing plasterboard with plaster)
8 – Move power sockets or large electrical appliances
9 – Secure alternative water source(s)
10 – Secure alternative energy source(s)
11 – Reduce employee numbers
12 – Increase employee numbers
13 – Reduce hours of operation
14 – Adjust hours of operation
15 – Take out a loan
16 – Take out insurance
17 – Sold assets
18 – Mortgage/rent assets
19 – Switch to a different commodity, good or crop
20 – Start trading or farming an additional commodity, good or crop
21 – Adopt new technologies or upgrade infrastructure/equipment
22 – Relocate facilities or assets
23 – Collaborate with other businesses
24 – Other (please specify)