



# Midstream Electrical Supplies (Pty) Ltd

## OUTAGES FOR 2018

### LEVEL A: Substation down [Effect: All electricity to Midstream interrupted]

| Foreseen   | Date                          | Duration | Cause   |
|------------|-------------------------------|----------|---|
| A1.1       | Saturday, 16/06/2018 @ 17h10  | 04:00:00 | Eskom load shedding stage 2   |
| A1.2       | Friday, 22/06/2018 @ 19h40    | 00:00:15 | Eskom switch to another feeder  |
| A1.3       | Saturday, 23/06/2018 @ 16h30  | 01:10:00 | Eskom tried to switch power back to original line of supply, was not successful |
| A1.4       | Thursday, 29/11/2018 @ 16h10  | 04:40:00 | Eskom load shedding stage 1   |
| A1.5       | Sunday, 02/12/2018 @ 20h08    | 00:50:00 | Eskom load shedding stage 2   |
| A1.6       | Monday, 03/12/2018 @ 12h50    | 03:25:00 | Eskom load shedding stage 2   |
| A1.7       | Wednesday, 05/12/2018 @ 12h05 | 04:30:00 | Eskom load shedding stage 2   |
| A1.8       | Saturday, 08/12/2018 @ 20h22  | 01:30:00 | Eskom load shedding stage 1   |
|            |                               |          |   |
| Unforeseen | Date                          | Duration | Cause   |
| A2.1       | Sunday, 24/06/2018 @ 15h55    | 00:10:00 | Eskom switch power back to original feeder                                      |
| A2.2       | Monday, 02/07/2018 @ 18h00    | 00:15:00 | Eskom trip on line of supply  |
| A2.3       | Thursday, 23/08/2018 @ 18h30  | 00:20:00 | Eskom trip on line of supply  |
|            |                               |          |   |



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## OUTAGES FOR 2018

### **LEVEL B: Supply from a breaker at Substation interrupted** **[Effect: Large portion of an Estate without electricity]**

| Foreseen   | Date                          | Duration | Feeder                                       | Cause   | Remedy                  |
|------------|-------------------------------|----------|--|---|-------------------------|
| B1.1       |                               |          |  |   |                         |
| B1.2       |                               |          |  |   |                         |
| Unforeseen | Date                          | Duration | Feeder                                       | Cause   | Remedy                  |
| B2.1       | Wednesday, 07/02/2018 @ 19h30 | 02:30:00 | Midlands Feeder 3 (MS63-66;86;131)           | Earth fault trip  | Repair cable fault      |
|            | Wednesday, 07/02/2018 @ 19h30 | 02:00:00 | Midfield Feeder 1 (MS35-36;89-94;126)        | Earth fault trip  | Replace T-switch MS89   |
| B2.2       | Friday, 06/04/2018 @ 10h30    | 01:00:00 | Midfield Feeder 1 (MS35-36; 89-90;126)       | Earth fault trip  | Replace T-switch MS94   |
|            | Friday, 06/04/2018 @ 10h30    | 01:30:00 | Midfield Feeder 1 (MS91-93)                  |   |                         |
|            | Friday, 06/04/2018 @ 10h30    | 02:00:00 | Midfield Feeder 1 (MS94)                     |   |                         |
| B2.3       | Monday, 09/04/2018 @ 13h30    | 00:40:00 | Midstream Feeder 2 (MS6-9; 18; 23-30; 60-61) | Cable fault   | Repair cable fault      |
| B2.4       | Saturday, 07/07/2018 @ 17h15  | 01:45:00 | Midstream Feeder 2 (MS6-9; 18; 23-30; 60-61) | Midstream Estate RMU 2 trip due to Eskom dip                | Reset RMU 2             |
|            | Saturday, 07/07/2018 @ 17h15  | 01:52:00 | Midstream Feeder 1 (MS1-5; 10-12)            | Earth fault trip on Midstream Estate RMU 1 due to Eskom dip | Restore power           |
|            | Saturday, 07/07/2018 @ 17h15  | 02:30:00 | Midstream Feeder 1 (MS14-15)                 |   | Restore power in stages |
|            | Saturday, 07/07/2018 @ 17h15  | 03:00:00 | Midstream Feeder 1 (MS16)                    |   |                         |
|            | Saturday, 07/07/2018 @ 17h15  | 03:15:00 | Midstream Feeder 1 (MS17;19)                 |   |                         |
|            | Saturday, 07/07/2018 @ 17h15  | 03:35:00 | Midstream Feeder 1 (MS20-22)                 |   |                         |
| B2.5       | Sunday, 14/10/2018 @ 12h11    | 01:50:00 | Midfield Feeder 1 (MS35-36; 89-94; 126)      | Earth fault trip  |                         |
|            |                               |          |  |   |                         |