

Quarterly Network Safety Performance Report

Reporting Period: October - December 2021 (FY21/22 Q2)

| Network Performance | | Objectives | Incidents | |
|---------------------|----------------------------------|------------|-----------|--------------|
| | | 2021/22 | Quarter | Year-to-Date |
| 30(1)(a) | Total Electric Shock or Injury | 0 | 0 | 0 |
| | <i>Person – No Injury</i> | 0 | 0 | 0 |
| | <i>Person – Injury</i> | 0 | 0 | 0 |
| | <i>Person – Death</i> | 0 | 0 | 0 |
| | <i>Livestock – Death</i> | 0 | 0 | 0 |
| 30(1)(b) | Total Property Damage (Not Fire) | 0 | 0 | 0 |
| 30(1)(c) | Total Property Damage (Fire) | 0 | 0 | 0 |

| Distribution Network Performance | | Objectives | Incidents | |
|----------------------------------|------------------------------------|------------|-----------|--------------|
| | | 2021/22 | Quarter | Year-to-Date |
| 30(1)(d) | Total Network Pole Fire | 6 | 0 | 0 |
| 30(1)(e) | Total Conductor Clashing | 2 | 0 | 0 |
| 30(1)(f) | Total Unassisted Pole Failure | 7 | 1 | 1 |
| | <i>Wood (Population: 14,908)</i> | 2 | 1 | 1 |
| | <i>Steel (Population: 40,780)</i> | 5 | 0 | 0 |
| | <i>Concrete (Population: 334)</i> | 0 | 0 | 0 |
| | <i>Fibreglass (Population: 1)</i> | 0 | 0 | 0 |
| | <i>Other (Population: 357)</i> | 0 | 0 | 0 |
| 30(1)(g) | Total Unassisted Conductor Failure | 10 | 1 | 1 |
| 30(1)(h) | Total Unassisted Stay Wire Failure | 8 | 1 | 1 |
| 30(1)(i) | Total Unassisted Cable Failure | 20 | 4 | 10 |

| Distribution Network Performance | | Objectives | Pole Failure Rate |
|----------------------------------|------------------------------------|------------|-------------------------|
| | | 2021/22 | 3 year rolling average* |
| 31(3) | Total Unassisted Pole Failure Rate | 1 | 0.591 |
| | <i>Wood x 10,000 p.a.</i> | 1 | 1.118 |
| | <i>Steel x 10,000 p.a.</i> | 1 | 0.409 |

| Transmission Network Performance | | Objectives | Incidents | |
|----------------------------------|------------------------------------|------------|-----------|--------------|
| | | 2021/22 | Quarter | Year-to-Date |
| 30(1)(d) | Total Network Pole Fire | 0 | 0 | 0 |
| 30(1)(e) | Total Conductor Clashing | 0 | 0 | 0 |
| 30(1)(f) | Total Unassisted Pole Failure | 0 | 0 | 0 |
| 30(1)(g) | Total Unassisted Conductor Failure | 0 | 0 | 0 |
| 30(1)(h) | Total Unassisted Stay Wire Failure | 0 | 0 | 0 |
| 30(1)(i) | Total Unassisted Cable Failure | 0 | 0 | 0 |



* The unassisted pole failure rate is expressed as a three year rolling average per 10,000 poles

Network Safety Performance Incident Definitions

These definitions are based on the Electricity (Network Safety) Regulations 2015



| | | |
|----------|------------------------------|---|
| 30(1)(a) | Electric Shock or Injury | A discharge of electricity from the network that causes the electric shock, injury or death of a person or the death of livestock (excluding pets). |
| 30(1)(b) | Property Damage (Not Fire) | An incident caused by the network, other than a fire, that causes damage to property other than to the network. Includes supply, impact and arcing damage. Value of damage must exceed \$5,000. |
| 30(1)(c) | Property Damage (Fire) | A fire caused by the network that causes damage to property other than to the network. Includes smoke and heat damage. Value of damage must exceed \$5,000. |
| 30(1)(d) | Pole Fire | A fire, on a pole that is a part of the network, that originated on the pole. Includes burnt cross arms. |
| 30(1)(e) | Conductor Clashing | The contacting of 2 or more conductors of the network, of different phases, caused by temperature variations or wind. Includes clashing due to pole lean and phase to earth clashing. Excludes assisted failures [see 28(c)]. |
| 30(1)(f) | Unassisted Pole Failure | An unassisted failure of a pole that is a part of the network. Includes suspended failures and foundation failure [i.e. excessive pole lean]. |
| 30(1)(g) | Unassisted Conductor Failure | An unassisted failure of an overhead conductor that is a part of the network. Includes: service wires, joints. Excludes: termination points, taps, conductor accessory & line hardware failures [e.g. ties, clamps]. |
| 30(1)(h) | Unassisted Stay Wire Failure | An unassisted failure of a stay wire that is a part of the network. |
| 30(1)(i) | Unassisted Cable Failure | An unassisted failure of an underground cable that is a part of the network. Includes: joints, termination kits. Excludes: termination points, lugs & cable accessories [e.g. clamps]. |
| 31(3) | Unassisted Pole Failure Rate | The failure rate per 10,000 poles per annum based on the 30(1)(f) and pole volumes. |

