



PITCAIRN ISLAND

POWER GENERATION TRANSMISSION LINES

1) Pulau (a) Existing Overhead Transmission Lines

Greater than 55 years since installation: -

41 to 55 years since installation: 1700 metres 16(mm²) (Refer to **YELLOW** line on image map below)

26 to 40 years since installation: 1150metres 16(mm²) (Refer to **PURPLE** line on image map below)

16 to 25 years since installation: -

6 to 15 years since installation: -

1 to 5 years since installation: -

2) Top Road (b) Existing Overhead Transmission Lines

Greater than 55 years since installation: -

41 to 55 years since installation: 1550 metres 16(mm²) (Refer to **YELLOW** line on image map below)

26 to 40 years since installation: -

16 to 25 years since installation: 750 metres 16(mm²) (Refer to **PURPLE** line on image map below)

6 to 15 years since installation: -

1 to 5 years since installation: -

3) Landing (c) Existing Overhead Transmission Lines

Greater than 55 years since installation: -

41 to 55 years since installation: 1250 metres 16(mm²) (Refer to **YELLOW** line on image map below)

26 to 40 years since installation: -

16 to 25 years since installation: -

6 to 15 years since installation: -

1 to 5 years since installation: -

1) Pulau (a) Existing Underground Transmission Lines

Greater than 25 years since installation: -

16 to 25 years since installation: 400 metres 16(mm²) (Refer to **BLUE** line on image map below)

6 to 15 years since installation: 200 metres 16(mm²) (Refer to **BLUE** line on image map below)

1 to 5 years since installation: 400 metres 16(mm²) (Refer to **BLUE** line on image map below)

2) Top Road (b) Existing Underground Transmission Lines

Greater than 25 years since installation: -

16 to 25 years since installation: 600 metres 16(mm²) (Refer to **BLUE** line on image map below)

6 to 15 years since installation: 200 metres 16(mm²) (Refer to **BLUE** line on image map below)

1 to 5 years since installation: 400 metres 16(mm²) (Refer to **BLUE** line on image map below)

3) Landing (c) Existing Underground Transmission Lines

Greater than 25 years since installation: -

16 to 25 years since installation: 200 metres 16(mm²) (Refer to **BLUE** line on image map below)

6 to 15 years since installation: 600 metres 16(mm²) (Refer to **BLUE** line on image map below)

1 to 5 years since installation: 100 metres 16(mm²) (Refer to **BLUE** line on image map below)

6 to 15 years since installation: 400 metres 35(mm²) (Refer to **BLUE** line on image map below)

New Underground Transmission Lines required

New Property Development Installation (Adamstown to Vault): **1170 metres**

New Property Development Installation (Proposed Power Station to Trevor's Canyon Junction): **550 metres**

New Property Development Installation (Trevor's Canyon Junction to new residential home): **600 metres**

New Property Development Installation (Trevor's Canyon Junction to Machinery storage): **450 metres**

New Property Development Installation (Miscellaneous Adamstown locations): **500 metres**

(Refer to **RED** line on image map below)

Total transmission line: **3270 metres**

20% Contingency: **654 metres**

Grand Total: 3924 metres

New Overhead or Underground Transmission Lines required (Proposed new Power Station site to grid branch off)

Distance: **600 metres** 35(mm²) (Refer to **BLACK** line on image map below)

Number of Lines: **3**

Total transmission line: **1800 metres** 35(mm²)

25% Contingency: **450 metres** 35(mm²)

Grand Total: 2250 metres 35(mm²)

