

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)

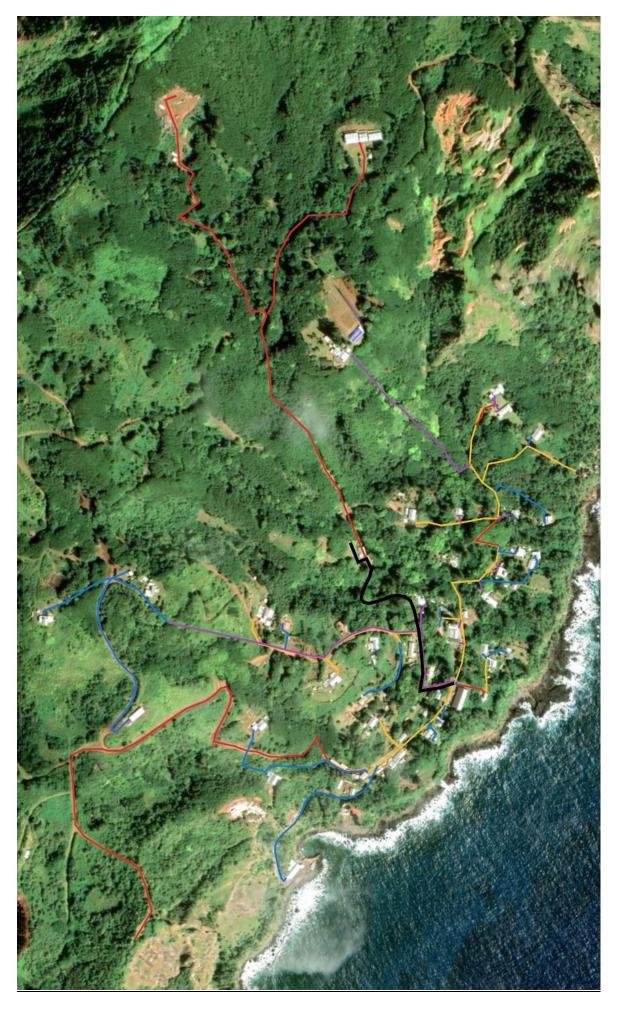
Total transmission line: **3270 metres** 20% Contingency: **654 metres Grand Total: 3924 metres**

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)*



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