

# THE NUMBERS

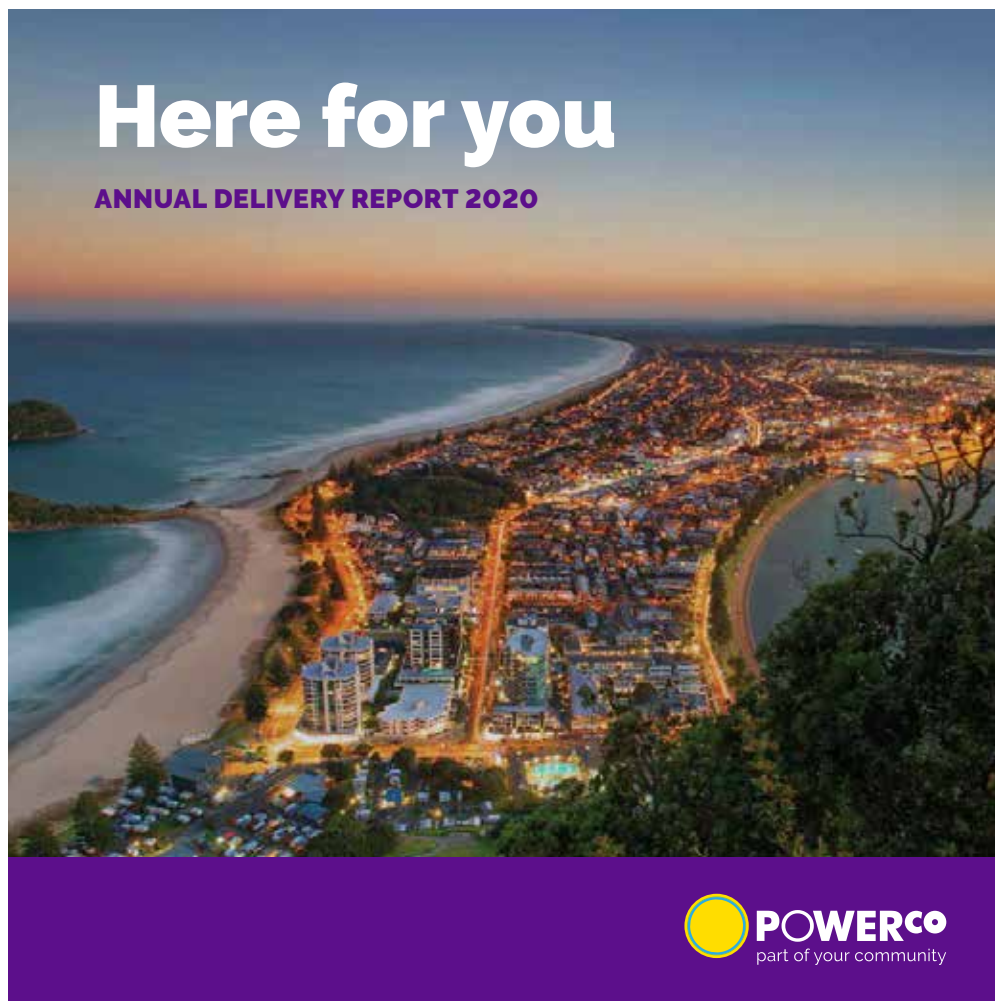
ANNUAL DELIVERY REPORT 2020  
QUANTITATIVE DATA



If you want to know the story behind the numbers in this document, please visit [powercodelivering.co.nz](http://powercodelivering.co.nz) for Powerco's 'Here for you' report.

This document is an addendum to Powerco's 'Here for you' report and the website [powercodelivering.co.nz](http://powercodelivering.co.nz).

It contains all data required to meet the regulatory annual quantitative reporting obligations Powerco's Customised Price-quality Path (CPP). On page 30 you will find a copy of the 'Director's Certificate' which certifies the quantitative information within this document, and the qualitative information presented in our 'Here for you' report and the website [powercodelivering.co.nz](http://powercodelivering.co.nz).



# Year Two

We have been busy improving the network while minimising the impact on you.

## POLES

4,073 poles replaced or reinforced

13%

Up on year before



## OUTAGES

Number and length of outages were down compared with last year



## COMPLAINTS

Down 15% compared with last year

15%



## CONDUCTOR

183km of overhead lines replaced

35%

▲  
Up on year  
before



## VEGETATION MANAGEMENT

Over 11,000 tree sites managed

44%

▲  
Up on year  
before



## RENEWALS & GROWTH INVESTMENT

Network renewal & growth over the last 2 years

\$285m



## POWER

We kept the electricity on 99.95% of the time



99.95%



# QUANTITATIVE DATA

## Financial Summary

ADR reference 3.3a, 3.3b, 3.3c

\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
Total Expenditure (Totex)	274,575	254,125	528,700	273,252	271,385	544,637	(1,322)	17,260	15,937
Capital Expenditure (Capex)	186,815	164,342	351,156	180,867	173,755	354,622	(5,947)	9,413	3,466
Operational Expenditure (Opex)	87,760	89,784	177,544	92,385	97,630	190,015	4,625	7,846	12,471

\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
<b>Network Opex</b>									
Preventative Maintenance	9,733	7,575	17,308	11,751	12,935	24,686	2,018	5,361	7,378
Corrective Maintenance	13,571	16,754	30,325	13,133	14,731	27,864	(438)	(2,022)	(2,461)
Reactive Maintenance	7,271	7,459	14,730	7,524	7,788	15,312	253	329	582
Vegetation Management	10,589	10,184	20,773	10,367	9,840	20,207	(222)	(344)	(566)
SONS	16,048	16,443	32,491	15,202	16,238	31,440	(847)	(204)	(1,051)
<b>Total</b>	<b>57,212</b>	<b>58,415</b>	<b>115,627</b>	<b>57,977</b>	<b>61,533</b>	<b>119,510</b>	<b>764</b>	<b>3,119</b>	<b>3,883</b>

## Business Support Costs

Corporate	22,975	22,293	45,268	24,586	25,427	50,014	1,612	3,134	4,746
Facilities	1,355	1,429	2,784	2,062	2,024	4,086	707	595	1,302
Insurance and Governance	2,214	2,283	4,498	2,242	2,337	4,579	27	54	81
ICT Opex	4,003	5,364	9,367	5,518	6,308	11,827	1,515	945	2,460
<b>Total</b>	<b>30,548</b>	<b>31,369</b>	<b>61,917</b>	<b>34,408</b>	<b>36,097</b>	<b>70,505</b>	<b>3,861</b>	<b>4,728</b>	<b>8,588</b>

\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
<b>Asset Replacement and Renewal</b>									
Overhead Structures	40,246	39,869	80,115	28,998	35,923	64,921	(11,248)	(3,946)	(15,194)
Overhead Conductors	6,287	7,228	13,515	7,173	9,123	16,296	885	1,895	2,780
Cables	11,055	13,036	24,091	6,999	8,056	15,055	(4,055)	(4,980)	(9,035)
Zone Substations	14,561	4,532	19,093	15,695	13,634	29,329	1,134	9,102	10,236
Distribution Transformers	10,488	7,529	18,017	9,272	9,874	19,146	(1,216)	2,345	1,129
Distribution Switchgear	4,143	10,053	14,196	9,832	10,030	19,862	5,689	(23)	5,667
Secondary Systems	1,449	3,897	5,346	4,753	4,806	9,559	3,303	909	4,213
<b>Total</b>	<b>88,229</b>	<b>86,143</b>	<b>174,372</b>	<b>82,721</b>	<b>91,446</b>	<b>174,167</b>	<b>(5,508)</b>	<b>5,303</b>	<b>(205)</b>

\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
<b>Growth and Security</b>									
Major Projects	18,421	18,756	37,177	28,765	24,144	52,909	10,344	5,388	15,732
Minor Projects	6,244	4,206	10,450	11,053	9,511	20,564	4,808	5,305	10,113
Routine	21,070	16,873	37,943	14,739	15,429	30,168	(6,331)	(1,444)	(7,775)
Communications	9,205	3,520	12,726	5,809	5,550	11,359	(3,397)	2,030	(1,367)
Reliability	6,326	5,823	12,149	3,355	4,295	7,650	(2,971)	(1,528)	(4,499)
<b>Total Growth and Security</b>	<b>61,267</b>	<b>49,179</b>	<b>110,445</b>	<b>63,720</b>	<b>58,929</b>	<b>122,649</b>	<b>2,454</b>	<b>9,750</b>	<b>12,204</b>

\$000's	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
<b>Major Projects</b>						
Papamoa	154	50	259	-	105	(50)
Palmerston North	6,387	4,237	1,495	-	(4,892)	(4,237)
Putaruru	136	380	351	5,728	215	5,348
Whangamata	3,775	7,744	6,376	1,192	2,601	(6,552)
Omokoroa	-	331	1,376	7,060	1,376	6,729
Kopu-Tairua	153	249	3,963	3,412	3,810	3,163
Kopu-Kauaeranga	280	1,201	3,089	316	2,809	(885)
Moturoa	6,095	1,774	5,540	-	(555)	(1,774)
Kerepehi-Paeroa	6	-	-	-	(6)	-
Whenuakite	59	319	247	253	188	(66)
Matarangi	1	5	86	88	85	83
Putaruru-Tirau	-	127	-	2,492	-	2,365
Kaimarama-Whitianga	106	102	172	176	66	74
Kereone-Walton	38	45	-	-	(38)	(45)
Feilding-Sanson	100	465	241	-	141	(465)
Pyes Pa	1,128	1	2,995	-	1,867	(1)
Inglewood	4	1,727	2,574	3,426	2,570	1,699



\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
<b>Other Network Capex</b>									
Consumer Connection	11,746	12,593	24,339	11,946	12,152	24,098	200	(441)	(241)
Asset Relocations	2,011	236	2,247	821	855	1,676	(1,190)	619	(571)
Network Evolution	497	685	1,183	-	-	-	(497)	(685)	(1,183)
<b>Total Other Network Capex</b>	<b>14,254</b>	<b>13,515</b>	<b>27,769</b>	<b>12,767</b>	<b>13,007</b>	<b>25,774</b>	<b>(1,487)</b>	<b>(508)</b>	<b>1,995</b>

\$000'S	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	FORECAST CPP REGULATORY PERIOD TO DATE	VARIANCE FY19	VARIANCE FY20	VARIANCE CPP REGULATORY PERIOD TO DATE
<b>Non Network</b>									
ICT	16,014	12,214	28,228	18,665	8,984	27,649	2,651	(3,230)	(579)
Facilities	7,051	3,292	10,343	2,994	1,389	4,383	(4,056)	(1,903)	(5,959)
<b>Total Non Network</b>	<b>23,065</b>	<b>15,506</b>	<b>38,571</b>	<b>21,659</b>	<b>10,373</b>	<b>32,032</b>	<b>(1,406)</b>	<b>(5,133)</b>	<b>(6,538)</b>

Note: Some prior year capital expenditure figures have been reclassified between categories to better reflect the actual spend.

## Asset renewal

ADR reference 3.3d, 3.3e, 3.3f, 3.3i

KM	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
<b>Conductor Replacement</b>						
Western Region	93	140	134	149	(41)	(9)
Eastern Region	44	43	14	39	30	4
<b>Total</b>	<b>136</b>	<b>183</b>	<b>148</b>	<b>188</b>	<b>(12)</b>	<b>(5)</b>

NUMBER	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
<b>Overhead Structures</b>						
Concrete Poles / Steel Structure	2,093	2,680	1,930	2,373	163	307
Wood Poles	1,381	1,388	1,636	2,001	(256)	(613)
Other Pole Types	143	5	18	23	124	(18)
<b>Total</b>	<b>3,616</b>	<b>4,073</b>	<b>3,585</b>	<b>4,397</b>	<b>31</b>	<b>(324)</b>

### Overhead Structures by Region

Western Region	2,738	2,934	2,896	3,415	(158)	(481)
Eastern Region	878	1,139	689	982	189	157
<b>Total</b>	<b>3,616</b>	<b>4,073</b>	<b>3,585</b>	<b>4,397</b>	<b>31</b>	<b>(324)</b>

### Zone Substation Switchgear

Made up of:

Outdoor circuit breakers	9	1	-	11	9	(10)
Indoor switchboards	1	3	5	5	(4)	(2)
Individual Indoor circuit break	5	-	-	-	5	-

Note: for conductor, pole and distribution transformer replacement quantities, between 13-27% of the replacement quantities are based on an estimate of the number of assets replaced from design and scope documentation, as the assets have been replaced but as-built records have not yet been completed in our GIS system. A further adjustment has been made to the conductor, pole, and distribution transformer replacement quantities for reactive and fault related jobs due to the absence of processed as-builts records at the time of preparing the Annual Delivery Report. Conservative assumptions have been used to ensure the replacement quantities are not overstated.

## Unit rates

ADR reference 3.3g, 3.3h

\$000's	FY19 ACTUAL SUB-TRANSMISSION	FY19 ACTUAL DISTRIBUTION	FY19 ACTUAL LOW VOLTAGE	FY20 ACTUAL SUB-TRANSMISSION	FY20 ACTUAL DISTRIBUTION	FY20 ACTUAL LOW VOLTAGE
<b>Average Unit Value per Renewed Asset</b>						
Poles	6,335	3,569	4,674	n/a	4,141	5,356
Cross-Arm Assemblies	2,029	1,028	1,367	2,425	1,054	1,903
Conductor (per km)	n/a	40,162	58,628	n/a	40,545	n/a

\$000's	ACTUAL FY19	ACTUAL FY20
<b>Average Unit Value per Renewed Asset</b>		
Power Transformers	n/a	n/a
Distribution Transformers	12,281	15,379
Zone Substation Switchgear	n/a	n/a

NUMBER	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
<b>Transformer Replacement</b>						
Distribution Transformers (up to 22kV)	599	492	413	419	186	73
Power Transformers (22kV up to 110kV)	3	2	2	3	1	(1)

Note: an insufficient quantity of sub-transmission poles, conductor, power transformers and zone substation switchgear has been replaced, as-built and capitalised in FY20 to calculate an average unit rate. Also, the pole unit rate presented is exclusive of associated crossarm assemblies.

## Defects

ADR reference 3.3k

NUMBER	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE
<b>Defect Backlog</b>			
Material asset defects in backlog at start of the year	41,579	27,917	
New material defect identified	14,837	15,921	
Material defects remedied	28,499	13,131	41,630
Material asset defects in backlog at end of the year	27,917	30,707	

Note: defects remedied includes both defects closed through field work and defects cancelled through data cleansing programmes.

## Inspections

ADR reference 3.3l, 3.3m 3.3n, 3.3o, 3.3p

NUMBER	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE
<b>Overhead Lines – Western Region</b>			
Number of Poles	33,296	39,597	72,893
Estimated Line Length km	2,137	2,541	4,678
<b>Overhead Lines – Eastern Region</b>			
Number of Poles	13,645	13,301	26,946
Estimated Line Length km	876	853	1,729
<b>Transformers – Western Region</b>			
One Pole Mounted Transformers / Substations	2,757	2,837	5,594
Two Pole Mounted Transformers / Substations	93	52	145
<b>Total</b>	<b>2,850</b>	<b>2,889</b>	<b>5,739</b>
Ground Mounted Transformers	6,637	6,387	13,024
<b>Transformers – Eastern Region</b>			
One Pole Mounted Transformers / Substations	1,078	704	1,782
Two Pole Mounted Transformers / Substations	16	16	32
<b>Total</b>	<b>1,094</b>	<b>720</b>	<b>1,814</b>
Ground Mounted Transformers	10,971	8,009	18,980
<b>Red Tag Poles</b>			
Identified	57	55	112
Replaced	55	23	78

## Vegetation Management

ADR reference 3.3q

\$000's	ACTUAL FY19	ACTUAL FY20	ACTUAL CPP REGULATORY PERIOD TO DATE	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
<b>Vegetation Management</b>							
Tree sites trimmed	3,367	3,862					
Tree sites removed	5,668	6,180					
Tree sites sprayed	1,746	1,048					
<b>Total Tree Sites Managed</b>	10,781	11,090	21,871	8,213	7,683	2,568	3,407
% of Work Cleared	131%	144%	53%				

## Enterprise Resource Planning

ADR reference 3.3r

\$000's	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20
<b>Enterprise Resource Planning</b>				
Expenditure	11,452	9,651	13,823	6,417

## Staff Recruitment

ADR reference 3.3s

\$000's	ACTUAL FY19	ACTUAL FY20	FORECAST FY19	FORECAST FY20	VARIANCE FY19	VARIANCE FY20
Full-time equivalent staff recruited	41	32	30	14	(11)	(18)

Note: Additional FTEs recruited in FY20 were primarily in the following areas:

- Electricity Asset Strategy and Investment
- Electricity Service Delivery and System Operations
- Customer Group
- Health Safety, Environment and Quality
- Human Resources

## Network Performance

ADR reference 3.3t, 3.3u,3.3v

MINUTES	ACTUAL FY19	ACTUAL FY20	LIMIT FY19	LIMIT FY20
<b>SAIDI (Planned)</b>				
Western Region	99.7	86.4		
Eastern Region	66.5	51.7		
<b>Powerco SAIDI (Planned)</b>	<b>84.0</b>	<b>69.9</b>	<b>80.0</b>	<b>84.9</b>
<b>SAIFI (Planned)</b>				
Western Region	0.470	0.422		
Eastern Region	0.341	0.261		
<b>Powerco SAIFI (Planned)</b>	<b>0.409</b>	<b>0.346</b>	<b>0.344</b>	<b>0.370</b>
<b>SAIDI (Unplanned)</b>				
Western Region	233.8	207.0		
Eastern Region	160.9	152.1		
<b>Powerco SAIDI (Unplanned)</b>	<b>197.3</b>	<b>181.0</b>	<b>191.4</b>	<b>187.4</b>
<b>SAIFI (Unplanned)</b>				
Western Region	2.376	2.133		
Eastern Region	1.685	1.688		
<b>Powerco SAIFI (Unplanned)</b>	<b>2.029</b>	<b>1.922</b>	<b>2.285</b>	<b>2.262</b>

MINUTES	ACTUAL FY19	ACTUAL FY20
<b>Average Outage Duration</b>		
Planned 6.6kV to 22kV	205	204
Planned 22kV to 110kV	338	116
Unplanned 6.6kV to 22kV	104	103
Unplanned 22kV to 110kV	74	69

Note: eastern and western SAIDI/SAIFI figures presented are in respect to the number of ICPs in the eastern and western networks respectively and will not sum to the total Powerco network SAIDI/SAIFI.

## Feeder Performance

ADR reference 3.3w (i) (ii) (iii) (iv)

### Interruption Duration Index for 10 Worst Feeders

F1 FEEDER	INDEX	LOCATION	F2 FEEDER	INDEX	LOCATION	F3 FEEDER	INDEX	LOCATION
<b>SULPHUR PT 2</b>	4,996	Tauranga, HAMILTON STREET SUB	<b>WATERWORKS RD</b>	5,026	Wanganui, KAI IWI SUB	<b>HUNTERVILLE 22KV</b>	1,373	Wanganui, RATA SUB
<b>TE PUKE QUARRY RD</b>	1,755	Tauranga, ATUAROA AVE SUB	<b>WINDFARM</b>	871	Wairarapa, HAU NUI SUB	<b>FACTORY</b>	1,341	Wanganui, RATA SUB
<b>MCKEE 1</b>	1,187	Taranaki, MCKEE SUB	<b>LINTON</b>	729	Manawatu, TURITEA SUB	<b>ST JOHNS</b>	1,147	Wanganui, PEAT ST SUB
<b>TATUANUI</b>	851	Valley, FARMER ROAD SUB	<b>AOKAUTERE</b>	624	Manawatu, TURITEA SUB	<b>EDITH ST</b>	1,074	Wairarapa, AKURA SUB
<b>MATAPU</b>	692	Taranaki, KAPUNI SUB	<b>CENTENNIAL DR</b>	435	Taranaki, MOTUROA SUB	<b>WYUNA BAY</b>	1,071	Valley, COROMANDEL SUB
<b>ORIGIN 2</b>	654	Taranaki, WAIHAPA SUB	<b>KATERE 11</b>	403	Taranaki, KATERE SUB	<b>ASHWORTH ST</b>	939	Valley, BAIRD ROAD SUB
<b>DEVON RD</b>	537	Taranaki, BELL BLOCK SUB	<b>SOUTH RD CHAPEL</b>	396	Wairarapa, CHAPEL SUB	<b>OPOUTERE</b>	797	Valley, WHANGAMATA SUB
<b>INGHAMS 1</b>	450	Valley, INGHAMS SUB	<b>OHAKEA</b>	386	Manawatu, SANSON SUB	<b>TOTARA</b>	793	Valley, THAMES SUB
<b>WAIHI GOLD</b>	442	Valley, WAIHI SUB	<b>PAHOIA</b>	383	Tauranga, OMOKOROA SUB	<b>REREATUKAHIA RD</b>	789	Tauranga, KATIKATI SUB
<b>AFFCO-QUEEN ST</b>	420	Taranaki, WAITARA WEST SUB	<b>18TH AVE</b>	373	Tauranga, WAIHI ROAD SUB	<b>MATAPIHI RD</b>	786	Tauranga, MATAPIHI SUB

### Number of feeders exceeding its interruption duration targets

F1 NUMBER	F2 NUMBER	F3 NUMBER
33	54	69



<b>F4 FEEDER</b>	<b>INDEX</b>	<b>LOCATION</b>	<b>F5 FEEDER</b>	<b>INDEX</b>	<b>LOCATION</b>
<b>STRATHMORE</b>	6,417	Taranaki, DOUGLAS SUB	<b>WAIONE</b>	3,098	Manawatu, PONGAROA SUB
<b>NGARIKI RD</b>	1,859	Taranaki, NGARIKI SUB	<b>ANNEDALE</b>	2,771	Wairarapa, TINUI SUB
<b>BUNNYTHORPE</b>	1,722	Manawatu, MILSON SUB	<b>BLAIRLOGIE</b>	2,579	Wairarapa, AWATOITOI SUB
<b>LEEDSTOWN 22KV</b>	1,714	Wanganui, PUKEPAPA SUB	<b>LANGDALE</b>	2,478	Wairarapa, TINUI SUB
<b>ROTOEHU</b>	1,600	Tauranga, PONGAKAWA SUB	<b>CASTLEPOINT</b>	2,141	Wairarapa, TINUI SUB
<b>HUIROA</b>	1,571	Taranaki, DOUGLAS SUB	<b>MANGAPAKEHA</b>	2,118	Wairarapa, AWATOITOI SUB
<b>HOROEKA</b>	1,515	Manawatu, PONGAROA SUB	<b>COAST ROAD</b>	2,016	Manawatu, PONGAROA SUB
<b>OLD COACH RD</b>	1,457	Tauranga, PONGAKAWA SUB	<b>TUTURUMURI</b>	1,760	Wairarapa, HAU NUI SUB
<b>RANGIWAHIA</b>	1,374	Manawatu, KIMBOLTON SUB	<b>CASTLEHILL</b>	1,263	Manawatu, ALFREDTON SUB
<b>DUTHIE RD</b>	1,351	Taranaki, KAPONGA SUB	<b>ROROKOKO</b>	1,225	Wairarapa, AWATOITOI SUB

<b>F4 NUMBER</b>	<b>F5 NUMBER</b>
69	10

### Interruption Frequency Index for 10 Worst Feeders

F1 FEEDER	INDEX	LOCATION	F2 FEEDER	INDEX	LOCATION	F3 FEEDER	INDEX	LOCATION
<b>MATAPU</b>	8	Taranaki, KAPUNI SUB	<b>WATERWORKS RD</b>	13	Wanganui, KAI IWI SUB	<b>HUNTERVILLE 22KV</b>	10	Wanganui, RATA SUB
<b>TE PUKE QUARRY RD</b>	8	Tauranga, ATUAROA AVE SUB	<b>LINTON</b>	9	Manawatu, TURITEA SUB	<b>FACTORY</b>	10	Wanganui, RATA SUB
<b>MCKEE 1</b>	8	Taranaki, MCKEE SUB	<b>WILLOUGHBY ST</b>	5	Valley, PAEROA SUB	<b>TARATA</b>	9	Taranaki, MOTUKAWA SUB
<b>TATUANUI</b>	6	Valley, FARMER ROAD SUB	<b>PAHOIA</b>	5	Tauranga, OMOKOROA SUB	<b>WYUNA BAY</b>	8	Valley, COROMANDEL SUB
<b>DEVON RD</b>	6	Taranaki, BELL BLOCK SUB	<b>AOKAUTERE</b>	5	Manawatu, TURITEA SUB	<b>REVANS ST</b>	8	Wairarapa, FEATHERSTON SUB
<b>ARAPUNI ST</b>	5	Valley, PUTARURU SUB	<b>OHAKEA</b>	4	Manawatu, SANSON SUB	<b>HETHERINGTON RD</b>	7	Valley, WHANGAMATA SUB
<b>WOODS RD</b>	4	Valley, FARMER ROAD SUB	<b>HEWLETTS RD</b>	4	Tauranga, TRITON SUB	<b>EDITH ST</b>	7	Wairarapa, AKURA SUB
<b>ORIGIN 2</b>	4	Taranaki, WAIHAPA SUB	<b>WANGANUI EAST</b>	4	Wanganui, WANGANUI EAST SUB	<b>REREAUKAHIA RD</b>	7	Tauranga, KATIKATI SUB
<b>BLAKE ST</b>	3	Taranaki, WAITARA WEST SUB	<b>EASTOWN RD</b>	3	Wanganui, WANGANUI EAST SUB	<b>PORTLAND QUAY</b>	6	Taranaki, LIVINGSTONE SUB
<b>MCCABE ROAD</b>	3	Valley, MIKKELSEN ROAD SUB	<b>COLOMBO RD</b>	3	Wairarapa, TE ORE ORE SUB	<b>TOTARA</b>	6	Valley, THAMES SUB

### Number of feeders exceeding its interruption frequency targets

F1 NUMBER	F2 NUMBER	F3 NUMBER
36	48	89

F4 FEEDER	INDEX	LOCATION	F5 FEEDER	INDEX	LOCATION
STRATHMORE	17	Taranaki, DOUGLAS SUB	BLAIRLOGIE	19	Wairarapa, AWATOITOI SUB
LEEDSTOWN 22KV	14	Wanganui, PUKEPAPA SUB	LANGDALE	16	Wairarapa, TINUI SUB
TURAKINA	13	Wanganui, PUKEPAPA SUB	MANGAPAKEHA	16	Wairarapa, AWATOITOI SUB
BROOKLANDS	12	Manawatu, ALFREDTON SUB	ANNEDALE	13	Wairarapa, TINUI SUB
IHURAU	12	Manawatu, ALFREDTON SUB	CASTLEPOINT	12	Wairarapa, TINUI SUB
NGARIKI RD	12	Taranaki, NGARIKI SUB	CASTLEHILL	11	Manawatu, ALFREDTON SUB
WAITUNA	11	Manawatu, KIMBOLTON SUB	MAIN RD MOTONU	10	Taranaki, WAITARA EAST SUB
LOCKINGTON ROAD	11	Tauranga, AONGATE TE SUB	ROROKOKO	10	Wairarapa, AWATOITOI SUB
SOUTH RD NGARIKI	11	Taranaki, NGARIKI SUB	PRINCESS ST	9	Taranaki, WAITARA EAST SUB
INLAND COAST	11	Taranaki, OAKURA SUB	OTARAOA RD	9	Taranaki, MCKEE SUB

F4 NUMBER	F5 NUMBER
88	16

Note: feeder duration and interruption index represent the average duration and number of interruptions a feeder experiences in a given year.

## ICP Outages – Distribution Transformer Performance

ADR reference 3.3w (v) (vi) (viii)

### Duration of Outages Experienced per Distribution Transformer for the 20 Worst-served Distribution Transformers

F1			F2			F3		
TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION
<b>BEW-T1:B</b>	4,996	Tauranga, SULPHUR PT 2	<b>X2290:W</b>	14,493	Wanganui, WATERWORKS RD	<b>TC1985:B</b>	4,511	Valley, WYUNA BAY
<b>TC1945:B</b>	4,081	Valley, TATUANUI	<b>X2567:W</b>	14,493	Wanganui, WATERWORKS RD	<b>TC2583:B</b>	4,511	Valley, WYUNA BAY
<b>TC184:B</b>	4,081	Valley, TATUANUI	<b>X2945:W</b>	14,493	Wanganui, WATERWORKS RD	<b>X4238:W</b>	4,103	Wanganui, HUNTERVILLE 22KV
<b>TC6472:B</b>	4,081	Valley, TATUANUI	<b>X1764:W</b>	14,131	Wanganui, WATERWORKS RD	<b>X1293:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TP2045:B</b>	4,081	Valley, TATUANUI	<b>X1765:W</b>	14,131	Wanganui, WATERWORKS RD	<b>X1292:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TP2400:B</b>	4,081	Valley, TATUANUI	<b>X2939:W</b>	14,131	Wanganui, WATERWORKS RD	<b>X1294:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TP3370:B</b>	4,081	Valley, TATUANUI	<b>X1761:W</b>	14,017	Wanganui, WATERWORKS RD	<b>X1299:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC185:B</b>	4,081	Valley, TATUANUI	<b>X1762:W</b>	14,017	Wanganui, WATERWORKS RD	<b>X1300:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC4145:B</b>	4,081	Valley, TATUANUI	<b>X1763:W</b>	14,017	Wanganui, WATERWORKS RD	<b>X1303:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC4916:B</b>	4,081	Valley, TATUANUI	<b>X2559:W</b>	14,017	Wanganui, WATERWORKS RD	<b>X1295:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC655:B</b>	4,081	Valley, TATUANUI	<b>X1760:W</b>	14,017	Wanganui, WATERWORKS RD	<b>X2060:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TP1237:B</b>	4,081	Valley, TATUANUI	<b>X4185:W</b>	13,734	Wanganui, WATERWORKS RD	<b>X1296:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TP424:B</b>	4,081	Valley, TATUANUI	<b>X1757:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X1298:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC4128:B</b>	4,081	Valley, TATUANUI	<b>X2504:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X1301:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC183:B</b>	4,081	Valley, TATUANUI	<b>X2955:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X1302:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TC2188:B</b>	4,017	Valley, TATUANUI	<b>X1758:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X2522:W</b>	4,026	Wanganui, HUNTERVILLE 22KV

F4			F5		
TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION
X2602:T	29,631	Taranaki, STRATHMORE	T47:M	6,021	Wairarapa, ANNEDALE
X2554:T	13,927	Taranaki, STRATHMORE	T2603:M	5,829	Wairarapa, TUTURUMURI
X3525:T	13,927	Taranaki, STRATHMORE	T2944:M	5,829	Wairarapa, TUTURUMURI
X3300:T	13,143	Taranaki, STRATHMORE	T3862:M	5,829	Wairarapa, TUTURUMURI
X2255:T	13,138	Taranaki, STRATHMORE	T4128:M	4,332	Wairarapa, LANGDALE
X2624:T	13,138	Taranaki, STRATHMORE	X3170:T	4,260	Taranaki, MAIN RD MOTONUI
X2699:T	13,138	Taranaki, STRATHMORE	T952:M	4,195	Wairarapa, BLAIRLOGIE
X2817:T	13,138	Taranaki, STRATHMORE	T3835:M	4,148	Wairarapa, LANGDALE
X3239:T	13,138	Taranaki, STRATHMORE	T135:M	4,145	Wairarapa, LANGDALE
X3436:T	13,138	Taranaki, STRATHMORE	T3937:M	4,145	Wairarapa, LANGDALE
X3700:T	13,138	Taranaki, STRATHMORE	T134:M	4,145	Wairarapa, LANGDALE
X3705:T	13,138	Taranaki, STRATHMORE	T2903:M	4,145	Wairarapa, LANGDALE
X2850:T	13,104	Taranaki, STRATHMORE	T3293:M	4,145	Wairarapa, LANGDALE
X3250:T	13,104	Taranaki, STRATHMORE	T4229:M	4,145	Wairarapa, LANGDALE
X2600:T	13,104	Taranaki, STRATHMORE	T4412:M	4,145	Wairarapa, LANGDALE
X3323:T	13,104	Taranaki, STRATHMORE	T9/101:P	4,084	Manawatu, WAIONE

F1			F2			F3		
TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION
<b>TE5-254:B</b>	3,564	Tauranga, TE PUKE QUARRY RD	<b>X1759:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X2971:W</b>	4,026	Wanganui, HUNTERVILLE 22KV
<b>TE5-232:B</b>	3,564	Tauranga, TE PUKE QUARRY RD	<b>X2840:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X1306:W</b>	3,960	Wanganui, HUNTERVILLE 22KV
<b>TE5-188:B</b>	3,281	Tauranga, TE PUKE QUARRY RD	<b>X4042:W</b>	12,804	Wanganui, WATERWORKS RD	<b>X1305:W</b>	3,950	Wanganui, HUNTERVILLE 22KV
<b>TE5-143:B</b>	3,159	Tauranga, TE PUKE QUARRY RD	<b>X1754:W</b>	10,335	Wanganui, WATERWORKS RD	<b>X4609:T</b>	3,844	Taranaki, WEST QUAY

#### Frequency of Outages Experienced per Distribution Transformer for the 20 Worst-served Distribution Transformers

F1			F2			F3		
TRANSFORMER	FREQUENCY MINUTES	LOCATION	TRANSFORMER	FREQUENCY MINUTES	LOCATION	TRANSFORMER	FREQUENCY MINUTES	LOCATION
<b>K4038:E</b>	16	Taranaki, MATAPU	<b>X1754:W</b>	27	Wanganui, WATERWORKS RD	<b>TC1741:B</b>	19	Valley, WYUNA BAY
<b>X5125:E</b>	16	Taranaki, MATAPU	<b>X2290:W</b>	26	Wanganui, WATERWORKS RD	<b>T3/434:P</b>	18	Manawatu, MAKINO
<b>X5126:E</b>	16	Taranaki, MATAPU	<b>X2567:W</b>	26	Wanganui, WATERWORKS RD	<b>T3762:M</b>	18	Wairarapa, REVANS ST
<b>K4020:E</b>	16	Taranaki, MATAPU	<b>X2945:W</b>	26	Wanganui, WATERWORKS RD	<b>X4238:W</b>	18	Wanganui, HUNTERVILLE 22KV
<b>K4030:E</b>	16	Taranaki, MATAPU	<b>X1753:W</b>	26	Wanganui, WATERWORKS RD	<b>T3/89:P</b>	18	Manawatu, MAKINO
<b>K4035:E</b>	16	Taranaki, MATAPU	<b>X1757:W</b>	25	Wanganui, WATERWORKS RD	<b>X1292:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>K4040:E</b>	16	Taranaki, MATAPU	<b>X1758:W</b>	25	Wanganui, WATERWORKS RD	<b>X1294:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TC1945:B</b>	15	Valley, TATUANUI	<b>X1759:W</b>	25	Wanganui, WATERWORKS RD	<b>X1299:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TC2188:B</b>	15	Valley, TATUANUI	<b>X1764:W</b>	25	Wanganui, WATERWORKS RD	<b>X1300:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TC183:B</b>	15	Valley, TATUANUI	<b>X1765:W</b>	25	Wanganui, WATERWORKS RD	<b>X1303:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TC185:B</b>	15	Valley, TATUANUI	<b>X2504:W</b>	25	Wanganui, WATERWORKS RD	<b>T1391:M</b>	17	Wairarapa, REVANS ST
<b>TC4145:B</b>	15	Valley, TATUANUI	<b>X2840:W</b>	25	Wanganui, WATERWORKS RD	<b>T1793:M</b>	17	Wairarapa, REVANS ST

F4			F5		
TRANSFORMER	DURATION MINUTES	LOCATION	TRANSFORMER	DURATION MINUTES	LOCATION
X3526:T	13,104	Taranaki, STRATHMORE	T9/102:P	4,084	Manawatu, WAIONE
X4423:T	13,104	Taranaki, STRATHMORE	T9/106:P	4,084	Manawatu, WAIONE
X3180:T	13,104	Taranaki, STRATHMORE	T9/100:P	4,084	Manawatu, WAIONE
X3310:T	13,104	Taranaki, STRATHMORE	T9/104:P	4,084	Manawatu, WAIONE

F4			F5		
TRANSFORMER	FREQUENCY MINUTES	LOCATION	TRANSFORMER	FREQUENCY MINUTES	LOCATION
X3901:T	32	Taranaki, STRATHMORE	T166:M	23	Wairarapa, BLAIRLOGIE
TP2423:B	31	Tauranga, TE MATAI RD	T1145:M	23	Wairarapa, BLAIRLOGIE
TP2424:B	31	Tauranga, TE MATAI RD	T154:M	23	Wairarapa, BLAIRLOGIE
TP2425:B	31	Tauranga, TE MATAI RD	T158:M	23	Wairarapa, BLAIRLOGIE
TP2044:B	31	Tauranga, TE MATAI RD	T160:M	23	Wairarapa, BLAIRLOGIE
TG5-004:B	30	Tauranga, TE MATAI RD	T164:M	23	Wairarapa, BLAIRLOGIE
TP1383:B	30	Tauranga, TE MATAI RD	T165:M	23	Wairarapa, BLAIRLOGIE
TP1575:B	30	Tauranga, TE MATAI RD	T168:M	23	Wairarapa, BLAIRLOGIE
TP1671:B	30	Tauranga, TE MATAI RD	T169:M	23	Wairarapa, BLAIRLOGIE
TP1841:B	30	Tauranga, TE MATAI RD	T2115:M	23	Wairarapa, BLAIRLOGIE
TP1842:B	30	Tauranga, TE MATAI RD	T2436:M	23	Wairarapa, BLAIRLOGIE
TP2880:B	30	Tauranga, TE MATAI RD	T2484:M	23	Wairarapa, BLAIRLOGIE

F1			F2			F3		
TRANSFORMER	FREQUENCY MINUTES	LOCATION	TRANSFORMER	FREQUENCY MINUTES	LOCATION	TRANSFORMER	FREQUENCY MINUTES	LOCATION
<b>TC4916:B</b>	15	Valley, TATUANUI	<b>X2939:W</b>	25	Wanganui, WATERWORKS RD	<b>T773:M</b>	17	Wairarapa, REVANS ST
<b>TC6472:B</b>	15	Valley, TATUANUI	<b>X2955:W</b>	25	Wanganui, WATERWORKS RD	<b>X1295:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TC655:B</b>	15	Valley, TATUANUI	<b>X4042:W</b>	25	Wanganui, WATERWORKS RD	<b>X1296:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TP1237:B</b>	15	Valley, TATUANUI	<b>X1760:W</b>	24	Wanganui, WATERWORKS RD	<b>X1298:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TP2045:B</b>	15	Valley, TATUANUI	<b>X1763:W</b>	24	Wanganui, WATERWORKS RD	<b>X1301:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TP2400:B</b>	15	Valley, TATUANUI	<b>X2559:W</b>	24	Wanganui, WATERWORKS RD	<b>X1302:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TP3370:B</b>	15	Valley, TATUANUI	<b>X393:W</b>	24	Wanganui, WATERWORKS RD	<b>X2060:W</b>	17	Wanganui, HUNTERVILLE 22KV
<b>TP424:B</b>	15	Valley, TATUANUI	<b>X394:W</b>	24	Wanganui, WATERWORKS RD	<b>X2522:W</b>	17	Wanganui, HUNTERVILLE 22KV

#### Consumers with 5+ planned interruptions

F1 ACTUAL NUMBER	F2 ACTUAL NUMBER	F3 ACTUAL NUMBER
113	65	805





## Complaints

ADR reference 3.3x

	ACTUAL FY19	ACTUAL FY20
% of Complaints responded to in 2 days	53%	57%
Number of Complaints received	980	831
% of Complaints resolved within 20 days	75%	81%
% of Complaints resolved within 40 days	87%	94%
Number of Complaints deadlocked and referred to Utilities Disputes Limited	9	8
% of Complaints deadlocked and referred to Utilities Disputes Limited	1%	1%

Note: in timing our response and resolution of complaints, day 1 is considered the first business day after the complaint is received.

# MAJOR PROJECTS

Descriptions of our Major Projects, along with information on progress, risks and expenditure are presented below (meeting ADR requirement 3.3j).

PROJECT & DESCRIPTION	PROGRESS	2020 EXPENDITURE	EXPENDITURE TO DATE	CPP TOTAL FORECAST
<b>Papamoa</b> Install two 33kV cable circuits from Te Matai GXP to Papamoa east, construct a new zone substation at Papamoa east (Wairakei) and a new 33kV indoor switchboard at Te Matai GXP.	Cables, substation and switchboard installed and commissioned in FY19. Project Complete.	<b>50</b> (CPP -)	<b>1,757</b> (CPP 18,729)	<b>18,729</b>
<b>Palmerston North</b> Install new 33kV cables in the Palmerston North CBD to reinforce supply. Construct a new zone substation (Ferguson) and install new 33kV circuits between Linton GXP and the new substation. Construct a new 33kV indoor switchboard at Linton GXP.	Ferguson St zone substation was commissioned in 2019. 11kV feeder reconfigurations progressed during FY20. Linton 33kV switchgear design and Linton to Ferguson route progressed.	<b>4,237</b> (CPP -)	<b>15,527</b> (CPP 14,548)	<b>30,322</b>
<b>Putaruru</b> Construct new 110/33kV substation adjacent to the existing Putaruru zone substation. Construct a new 110kV circuit from Arapuni hydro to the new substation.	110/33 kV substation conceptual design completed. Line and cable route issues progressed during FY20. Agreement in principle reached for route into Arapuni. Commencing detailed design in FY21.	<b>380</b> (CPP 5,728)	<b>3,486</b> (CPP 9,691)	<b>28,788</b>
<b>Whangamata</b> Install a battery energy storage solution (BESS) and integrated standby diesel generator at Whangamata zone substation.	BESS and diesel generator installation was completed in FY20, with commissioning in November 2019. Project complete.	<b>7,744</b> (CPP 1,192)	<b>12,362</b> (CPP 9,224)	<b>20,800</b>
<b>Omokoroa</b> Install a 33kV cable from Wairoa Rd to the Omokoroa substation, and another between Greerton switching station and Bethlehem substation. Construct a new 33kV indoor switchboard at the Omokoroa substation. Install a new capacitor bank at Aongatete.	Detailed design and landowner negotiations progressed for the cabling works in FY20. Planning to start construction late FY21. Omokoroa substations works have been impacted by the Tauranga Northern Link highway project, with the works currently on hold.	<b>331</b> (CPP 7,060)	<b>384</b> (CPP 8,436)	<b>13,552</b>

PROJECT & DESCRIPTION	PROGRESS	2020 EXPENDITURE	EXPENDITURE TO DATE	CPP TOTAL FORECAST
<b>Kopu-Tairua</b> Reconductor the existing 66 kV line between Kopu GXP and Tairua substation.	Updated cost estimates show this project is now significantly more expensive than originally forecast and we are now re-evaluating options, including looking at generation solutions.  The reconductoring works is on hold while this updated options analysis is performed.	<b>249</b> (CPP 3,412)	<b>521</b> (CPP 8,020)	<b>9,765</b>
<b>Kopu-Kaueranga</b> Reconductor the existing 66kV line between Parawai and Kaueranga Valley and thermally upgrade the line between Kopu GXP and Parawai.  Construct a new 110kV overhead line from the Kopu GXP to the Kaueranga Valley.	Reconductoring and thermal upgrade works now complete.  New 110kV line route consented, awaiting resolution of Treaty settlement claim. Timing being reconsidered alongside options re-evaluation for Kopu-Tairua.	<b>1,201</b> (CPP 316)	<b>3,980</b> (CPP 5,477)	<b>10,517</b>
<b>Moturoa – NPL GXP</b> Install dual 33kV cable circuits from Carrington Street GXP to Moturoa zone substation.	New 33 kV cable circuits have been installed and were commissioned in August 2019. Project Complete.	<b>1,774</b> (CPP -)	<b>11,727</b> (CPP 9,158)	<b>9,158</b>
<b>Kerepehi-Paeroa</b> Install backup diesel generation at Kerepehi.	The preferred CPP option of a new 33kV line between Kerepehi and Paeroa is no longer viable.  After reevaluating options, a backup generation solution at Kerepehi is now preferred.	- (CPP -)	<b>50</b> (CPP 329)	<b>7,092</b>
<b>Whenuakite</b> Construct a new zone substation at Whenuikite, south of Whitianga and install new 66kV line deviation off the existing Tairua-Whitianga circuit.	Substation and line route landowner negotiations progressed during FY20. Anticipate commencing detailed design and substation procurement during FY21.	<b>319</b> (CPP 253)	<b>378</b> (CPP 762)	<b>8,364</b>

PROJECT & DESCRIPTION	PROGRESS	2020 EXPENDITURE	EXPENDITURE TO DATE	CPP TOTAL FORECAST
<b>Matarangi</b> Construct a new zone substation at Matarangi and install a new 66kV circuit from Whitianga substation to the new substation.	Project delayed due to landowner concerns with securing land and line route. Options being re-evaluated alongside Kopu-Tairua.	<b>5</b> (CPP 88)	<b>6</b> (CPP 174)	<b>9,318</b>
<b>Putaruru-Tirau</b> Install a new 33kV underground cable between Putaruru and Tirau substations.	Local road route selected. Detailed design and procurement scheduled for FY21, with construction FY22.	<b>127</b> (CPP 2,492)	<b>127</b> (CPP 2,492)	<b>7,459</b>
<b>Kaimarama-Whitianga</b> Construct a new gas insulated 66kV switchboard (GIS) at Kaimarama.	Landowner agreement in principal reached for GIS site. To commence detailed design and procurement of the GIS in FY21.	<b>102</b> (CPP 176)	<b>268</b> (CPP 389)	<b>7,118</b>
<b>Kereone-Walton</b> Install a new 33kV cable link between the Kereone Tee and the Walton zone substation. Construct a new 33kV switchboard and a 5MVA switched capacitor bank at Walton substation.	Conceptual design reports have been completed. Commencing detailed design in FY21.	<b>45</b> (CPP -)	<b>83</b> (CPP -)	<b>7,223</b>
<b>Feilding-Sanson-Bulls</b> Construct a new 33kV subtransmission link between the Sanson and Bulls substations. Construct a new 33/11kV zone substation at the Ohakea airbase. Install new 33kV switchgear at Sanson and Bulls substations. Thermally upgrade a section of the existing 33kV line between Marton and Bulls.	Detailed designs commenced during FY20. Long lead time procurment items ordered for substation works. Customer requirements have brought forward the planned works.	<b>465</b> (CPP -)	<b>565</b> (CPP 241)	<b>7,142</b>
<b>Pyes Pa</b> Construct a new 33/11kV zone substation at Pyes Pa, Tauriko.	The Pyes Pa substation was commissioned in May 2018.	<b>1</b> (CPP -)	<b>6,978</b> (CPP 5,644)	<b>5,644</b>
<b>Inglewood</b> Convert Inglewood substation to 11kV by upgrading the remaining 6.6kV/415V distribution transformers.	First stage of transformer conversions commenced in FY20. Subsequent stages are planned for FY21 and FY22.	<b>1,727</b> (CPP 3,426)	<b>1,731</b> (CPP 6,000)	<b>6,910</b>

# DIRECTORS CERTIFICATE

## Certificate for Annual Delivery Report

### CERTIFICATE FOR ANNUAL DELIVERY REPORT

We, John Loughlin and Michael Cummings,  
being directors of Powerco Limited certify that, having made all reasonable enquiry, to the best of our knowledge the attached Annual Delivery Report of Powerco Limited is true and accurate.



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Director

3 September 2020

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Date



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Director

3 September 2020

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Date

Note: Section 103(2) of the Commerce Act 1986 provides that no person shall attempt to deceive or knowingly mislead the Commission in relation to any matter before it. It is an offence to contravene section 103(2) and any person who does so is liable on summary conviction to a fine not exceeding \$100,000 in the case of an individual or \$300,000 in the case of a body corporate.



