

# ELECTRICITY LINE CHARGES

Effective 1 April 2002

## Line Charge Changes

UnitedNetworks will be introducing new line charges on 1 April 2002. After feedback from our electricity retail customers, UnitedNetworks have restructured and simplified line charges and are now offering more flexibility in tariff choices for commercial end-consumer connections.

Due to the nature of the structural changes some connections may see an increase in charges while others will see a reduction.

The line charges include recovery of Transpower's connection, interconnection and new investment charges. Transpower's ancillary services charges and loss rental rebates have been separated from the line charges, and will now be passed on transparently to electricity retailers.

## So, who is UnitedNetworks?

UnitedNetworks is the network company that delivers electricity from the national grid to North Auckland, Thames Valley and Coromandel, the Western Bay of Plenty area south to Taupo, and Wellington, Porirua and the Hutt Valley. UnitedNetworks' line charges are a component of the electricity account you receive from your electricity retailer. The charges cover the delivery of your electricity, including a portion of the transmission charges from Transpower (who operate the national grid) to your home and business, as well as maintenance and upgrading of the network.

## Disclosure pursuant to Electricity (Information Disclosure) Regulations 1999 and Electricity (Information Disclosure) Amendment Regulations 2000, Part 6

Other lines and Use of System charges or conditions may also apply. Please refer to the full UnitedNetworks Pricing Schedule. All charges exclude GST (Goods and Services Tax). Line rates are quoted including their transmission component.

### WAITEMATA NETWORK Points of Supply: Albany, Henderson, Hepburn Rd, Wellsford

| Unmetered                                               | Previous Line Rates (c/kWh) | Estimated Number of Customers | New Line Rates (c/kWh) |
|---------------------------------------------------------|-----------------------------|-------------------------------|------------------------|
| Unmetered supply other than streetlighting <sup>Ⓞ</sup> | 9.20                        | 6                             | 9.24                   |
| Unmetered streetlighting <sup>Ⓞ</sup>                   | 9.20                        | 118                           | 9.24                   |
| Temporary Builders Supplies - Single Phase 60 Amp       | \$1.23 per day              | 1,386                         | \$1.23 per day         |
| Temporary Builders Supplies - Three Phase 60 Amp        | \$3.49 per day              | 1                             | \$3.49 per day         |

- Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
- Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.

| Residential and Small Commercial (capacity less than three phase 60 Amps) | Previous Line Rates B |                       | Tariff Option     | Previous Line Rates A    |                       | Estimated Number of Customers | New Line Rates     |                       |      |
|---------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|--------------------------|-----------------------|-------------------------------|--------------------|-----------------------|------|
|                                                                           | Fixed Rate (c/day)    | Variable Rate (c/kWh) |                   | Fixed Rate (c/day)       | Variable Rate (c/kWh) |                               | Fixed Rate (c/day) | Variable Rate (c/kWh) |      |
| Low capacity single phase 20A                                             | 30                    | 5.69                  | Low Usage         | Single Meter             | 11.15                 | 5.64                          | 91,343             | 11.21                 | 5.67 |
| Residential single phase 60A                                              | 60                    | 2.91                  |                   | Two Meter - Controlled   | na                    | na                            | -                  | 11.21                 | 4.82 |
| Residential two phase 60A                                                 | 60                    | 2.91                  |                   | Two Meter - Uncontrolled | na                    | na                            | -                  | -                     | 6.23 |
| Residential three phase 60A                                               | 60                    | 2.91                  | High Usage        | Single Meter             | 41.22                 | 3.95                          | 79,280             | 41.46                 | 4.03 |
| Commercial single phase 60A                                               | 80                    | 2.79                  |                   | Two Meter - Controlled   | 41.22                 | 3.35                          | 2,399              | 41.46                 | 3.21 |
| Commercial two phase 60A                                                  | 154                   | 2.38                  |                   | Two Meter - Uncontrolled | -                     | 4.34                          | -                  | -                     | 4.36 |
| Commercial three phase 20A                                                | 96                    | 2.59                  | Night Supply Only | -                        | -                     | 1.27                          | -                  | -                     | 1.29 |

- These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.  
 - Options are mutually exclusive, both fixed and variable rates apply.  
 - Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kilns, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.  
 - Night rate only available for appliances permanently wired to a separate meter.

### End-Consumers with capacity three phase 60 Amps and greater

| Fixed, transformer capacity (where applicable) and variable rates apply. | Previous Line Rates |                       | Estimated Number of Customers | New Line Rates      |                                     |                       |
|--------------------------------------------------------------------------|---------------------|-----------------------|-------------------------------|---------------------|-------------------------------------|-----------------------|
|                                                                          | Fixed Rate (\$/day) | Variable Rate (c/kWh) |                               | Fixed Rate (\$/day) | Dedicated Transformer Rate (\$/day) | Variable Rate (c/kWh) |
| Commercial three phase 60A                                               | 2.17                | 1.88                  | 8,182                         | 2,181.2             |                                     | 1,889.7               |
| Commercial three phase 100A                                              | 7.83                | 1.52                  | 1,311                         | 7,870.5             |                                     | 1,527.9               |
| Commercial three phase 160A                                              | 13.97               | 1.40                  | 273                           | 14,042.3            |                                     | 1,407.2               |
| Commercial three phase 200A                                              | 20.12               | 1.27                  | 267                           | 20,224.1            |                                     | 1,276.6               |
| >200 Amp up to 299kVA closed (see note 3)                                | poa                 | poa                   | 31                            | 29.62               | 4,264.2                             | 1,113.8               |
| >200 Amp up to 299 kVA                                                   | poa                 | poa                   | 67                            | 40.51               | 4,264.2                             | 1,544.8               |
| 300kVA                                                                   | poa                 | poa                   | 18                            | 40.51               | 4,998.2                             | 1,544.8               |

24 hour supply controlled 19 hours on

- Closed to all new and existing end-consumers except for those specified by UnitedNetworks as qualifying for this load group.  
poa = price on application (individually calculated line charges)

### Transmission Component [Regulation 26(2)(aa)]

The transmission component equates to 21% of the standard line charges listed above. This component includes recovery of Transpower's connection, interconnection and new investment charges. Transpower's ancillary service charges and loss rental rebates are passed on transparently to electricity retailers.

### VALLEY NETWORK Grid Exit Points of Injection: Hinuera, Kingleith, Kopu, Waihou, Waikino

| Unmetered                                                    | Previous Line Rates (c/kWh) | Estimated number of Customers | New Line Rates (c/kWh) |
|--------------------------------------------------------------|-----------------------------|-------------------------------|------------------------|
| Unmetered supply other than streetlighting <sup>Ⓞ</sup>      | 7.70                        | 55                            | 7.83                   |
| Unmetered streetlighting <sup>Ⓞ</sup>                        | 7.70                        | 104                           | 7.83                   |
| Unmetered streetlighting, fittings owned by UNL <sup>Ⓞ</sup> | 7.70                        |                               | 7.83                   |
| Temporary Builders Supplies - Single Phase 60 Amp            | \$1.23 per day              | 243                           | \$1.23 per day         |
| Temporary Builders Supplies - Three Phase 60 Amp             | \$3.49 per day              | 3                             | \$3.49 per day         |

- Consumption will be determined on a case-by-case basis, dependent on load profile. A minimum load factor of 10% will be applied to the input wattage.
- Consumption will be determined by multiplying the input wattage with the number of night hours as published in the NZ Herald.
- An additional charge of \$0.044 per light per day will apply where the streetlight fittings are owned by UnitedNetworks.

| Residential and Small Commercial (capacity less than three phase 60 Amps) | Previous Line Rates B |                       | Tariff Option     | Previous Line Rates A    |                       | Estimated Number of Customers | New Line Rates     |                       |      |
|---------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|--------------------------|-----------------------|-------------------------------|--------------------|-----------------------|------|
|                                                                           | Fixed Rate (c/day)    | Variable Rate (c/kWh) |                   | Fixed Rate (c/day)       | Variable Rate (c/kWh) |                               | Fixed Rate (c/day) | Variable Rate (c/kWh) |      |
| Low capacity single phase 20A                                             | 30                    | 6.93                  | Low Usage         | Single Meter             | 14.47                 | 7.93                          | 29,789             | 14.76                 | 8.09 |
| Residential single phase 60A                                              | 68                    | 3.87                  |                   | Two Meter - Controlled   | na                    | na                            | 2,501              | 14.76                 | 6.88 |
| Residential two phase 60A                                                 | 68                    | 3.87                  |                   | Two Meter - Uncontrolled | na                    | na                            | -                  | -                     | 8.89 |
| Residential three phase 60A                                               | 68                    | 3.87                  | High Usage        | Single Meter             | 63.79                 | 4.93                          | 21,662             | 65.07                 | 5.11 |
| Commercial single phase 60A                                               | 57                    | 4.36                  |                   | Two Meter - Controlled   | 63.79                 | 4.19                          | 1,678              | 65.07                 | 4.06 |
| Commercial two phase 60A                                                  | 213                   | 3.44                  |                   | Two Meter - Uncontrolled | -                     | 5.41                          | -                  | -                     | 5.52 |
| Commercial three phase 20A                                                | 119                   | 3.23                  | Night Supply Only | -                        | -                     | 1.27                          | -                  | -                     | 1.29 |

- These rates apply to all Residential and Small Commercial 1 and 2 phase 60 Amp and all 20 Amp customers.  
 - Options are mutually exclusive, both fixed and variable rates apply.  
 - Tariff Option Controlled/Uncontrolled only available for consumers with two or more meters, conditional on consumer equipment (hot water cylinders, electric kilns, swimming and spa pool heaters) being permanently wired to a separate controlled meter. Both controlled and uncontrolled variable rates apply.  
 - Night rate only available for appliances permanently wired to a separate meter.

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| Fixed, transformer capacity (where applicable) and variable rates apply. | Previous Line Rates |                       | Estimated Number of Customers | New Line Rates      |                                     |                       |
|--------------------------------------------------------------------------|---------------------|-----------------------|-------------------------------|---------------------|-------------------------------------|-----------------------|
|                                                                          | Fixed Rate (\$/day) | Variable Rate (c/kWh) |                               | Fixed Rate (\$/day) | Dedicated Transformer Rate (\$/day) | Variable Rate (c/kWh) |
| Commercial three phase 60A                                               | 3.55                | 2.44                  | 5,352                         | 3,599.0             |                                     | 2,473.7               |
| Commercial three phase 100A                                              | 9.94                | 1.90                  | 153                           | 10,077.2            |                                     | 1,926.2               |
| Commercial three phase 160A                                              | 15.49               | 1.68                  | 72                            | 15,703.8            |                                     | 1,703.2               |
| Commercial three phase 200A                                              | 21.05               | 1.46                  | 88                            | 21,340.6            |                                     | 1,480.2               |
| >200 Amp up to 299kVA closed (see note 4)                                | poa                 | poa                   | 6                             | 57.26               | 4,116.9                             | 2,165.9               |
| >200 Amp up to 299 kVA                                                   | poa                 | poa                   | 15                            | 79.79               | 4,116.9                             | 2,460.8               |
| 300kVA                                                                   | poa                 | poa                   | 6                             | 79.79               | 4,922.4                             | 2,460.8               |

24 hour supply controlled 19 hours on

- Closed to all new and existing end-consumers except for those specified by UnitedNetworks as qualifying for this load group.  
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