

**INFORME DE 25.10.07 DE LA COMISIÓN NACIONAL DE ENERGÍA SOBRE EL MANDATO ESTABLECIDO EN EL REAL DECRETO 1634/2006 RELATIVO AL PLAN DE SUSTITUCIÓN DE EQUIPOS DE MEDIDA**

**TABLA II: ANTIGÜEDAD DE LOS EQUIPOS PROPIEDAD DE LAS COMPAÑÍAS ELÉCTRICAS (CCEE)**

|                            |          |               | A=Años           |                      |                   |                  |                  |                      |                  | Sin datos        | Total             | %                 |       |      |
|----------------------------|----------|---------------|------------------|----------------------|-------------------|------------------|------------------|----------------------|------------------|------------------|-------------------|-------------------|-------|------|
|                            |          |               | A<5              | 5<A<10               | 10<A<15           | 15<A<20          | 20<A<25          | 25<A30               | A>30             |                  |                   |                   |       |      |
| CONTADORES                 | Activa   | ST            | Monofásicos      | 5.288.066            | 3.000.314         | 2.646.167        | 2.262.901        | 1.744.305            | 1.965.246        | 1.180.405        | 796.629           | 18.884.033        | 86,10 |      |
|                            |          |               | 2xMonofásicos    | 19                   | 787               | 156              | 816              | 5.221                | 16.617           | 17.299           | 13.569            | 54.484            |       | 0,25 |
|                            |          |               | Trifásicos       | 616.490              | 407.536           | 266.257          | 208.144          | 133.408              | 139.224          | 129.439          | 39.051            | 1.939.549         |       | 8,84 |
|                            |          |               |                  | <b>5.904.575</b>     | <b>3.408.637</b>  | <b>2.912.580</b> | <b>2.471.861</b> | <b>1.882.934</b>     | <b>2.121.087</b> | <b>1.327.143</b> | <b>849.249</b>    | <b>20.878.066</b> |       |      |
|                            |          | DT            | Monofásicos      | 166.220              | 274.754           | 135.079          | 89.332           | 19.745               | 972              | 1.978            | 328               | 688.408           | 3,14  |      |
|                            |          |               | 2xMonofásicos    | 0                    | 0                 | 0                | 0                | 0                    | 0                | 0                | 0                 | 0                 | 0,00  |      |
|                            |          |               | Trifásicos       | 95.406               | 117.256           | 45.610           | 28.008           | 12.375               | 708              | 1.110            | 91                | 300.564           | 1,37  |      |
|                            |          |               |                  | <b>261.626</b>       | <b>392.010</b>    | <b>180.689</b>   | <b>117.340</b>   | <b>32.120</b>        | <b>1.680</b>     | <b>3.088</b>     | <b>419</b>        | <b>988.972</b>    |       |      |
|                            |          | TT            | 2xMonofásicos    | 0                    | 0                 | 0                | 0                | 0                    | 0                | 0                | 0                 | 0                 | 0,00  |      |
|                            |          |               | Trifásicos       | 151                  | 224               | 107              | 134              | 99                   | 61               | 43               | 137               | 956               | 0,00  |      |
|                            |          |               | <b>151</b>       | <b>224</b>           | <b>107</b>        | <b>134</b>       | <b>99</b>        | <b>61</b>            | <b>43</b>        | <b>137</b>       | <b>956</b>        |                   |       |      |
|                            | Reactiva | Monofásicos   | 1.250            | 1.538                | 3.194             | 2.736            | 2.587            | 863                  | 1.169            | 3.131            | 16.468            | 0,08              |       |      |
|                            |          | 2xMonofásicos | 1                | 0                    | 1                 | 0                | 0                | 12                   | 0                | 14               | 0,00              |                   |       |      |
|                            |          | Trifásicos    | 5.934            | 14.480               | 8.919             | 11.423           | 2.722            | 1.125                | 3.502            | 112              | 48.217            | 0,22              |       |      |
|                            |          |               | <b>7.185</b>     | <b>16.018</b>        | <b>12.114</b>     | <b>14.159</b>    | <b>5.309</b>     | <b>1.988</b>         | <b>4.683</b>     | <b>3.243</b>     | <b>64.699</b>     |                   |       |      |
| (*) TOTAL CONTADORES CCEE= |          |               | <b>6.173.537</b> | <b>3.816.889</b>     | <b>3.105.490</b>  | <b>2.603.494</b> | <b>1.920.462</b> | <b>2.124.816</b>     | <b>1.334.957</b> | <b>853.048</b>   | <b>21.932.693</b> | 100,00            |       |      |
| %                          |          |               | <b>28,15</b>     | <b>17,40</b>         | <b>14,16</b>      | <b>11,87</b>     | <b>8,76</b>      | <b>9,69</b>          | <b>6,09</b>      | <b>3,89</b>      | <b>100</b>        |                   |       |      |
|                            |          |               |                  | <b>A&gt;10 años=</b> | <b>11.942.267</b> |                  |                  | <b>A&gt;30 años=</b> | <b>2.188.005</b> |                  |                   |                   |       |      |
|                            |          |               |                  |                      | <b>%</b>          | <b>54,45</b>     |                  | <b>%</b>             | <b>9,98</b>      |                  |                   |                   |       |      |
| RESTO                      |          | Contadores    | 121.915          | 82.889               | 63.201            | 29.161           | 13.098           | 3.850                | 1.955            | 16.209           | 332.278           |                   |       |      |
|                            |          | Relojes       | 288.330          | 319.545              | 167.678           | 89.785           | 7.465            | 633                  | 4.351            | 55.099           | 932.886           |                   |       |      |
|                            |          | Otros         | 58.999           | 21.734               | 2.090             | 803              | 333              | 150                  | 75               | 3.306            | 87.490            |                   |       |      |
|                            |          |               | <b>469.244</b>   | <b>424.168</b>       | <b>232.969</b>    | <b>119.749</b>   | <b>20.896</b>    | <b>4.633</b>         | <b>6.381</b>     | <b>74.614</b>    | <b>1.352.654</b>  |                   |       |      |
| ICP                        |          |               | <b>3.351.966</b> | <b>1.718.264</b>     | <b>3.521.994</b>  | <b>1.936.189</b> | <b>754.132</b>   | <b>612.086</b>       | <b>878.976</b>   | <b>714.225</b>   | <b>13.487.832</b> |                   |       |      |
| (**) TOTAL EQUIPOS CCEE=   |          |               | <b>9.994.747</b> | <b>5.959.321</b>     | <b>6.860.453</b>  | <b>4.659.432</b> | <b>2.695.490</b> | <b>2.741.535</b>     | <b>2.220.314</b> | <b>1.641.887</b> | <b>36.773.179</b> |                   |       |      |

**TABLA III: ANTIGÜEDAD DE LOS EQUIPOS PROPIEDAD DE LOS ABONADOS**

|                                |          |               | A=Años           |                  |                  |                  |                  |                |                  | Sin datos      | Total             | %                |       |
|--------------------------------|----------|---------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|----------------|-------------------|------------------|-------|
|                                |          |               | A<5              | 5<A<10           | 10<A<15          | 15<A<20          | 20<A<25          | 25<A30         | A>30             |                |                   |                  |       |
| CONTADORES                     | Activa   | ST            | Monofásicos      | 174.931          | 229.371          | 491.726          | 372.003          | 650.488        | 625.725          | 762.969        | 65.656            | 3.372.869        | 88,31 |
|                                |          |               | 2xMonofásicos    | 1                | 33               | 35               | 34               | 107            | 321              | 1.847          | 251               | 2.629            | 0,07  |
|                                |          |               | Trifásicos       | 24.860           | 27.990           | 43.408           | 35.821           | 40.635         | 48.560           | 69.170         | 2.437             | 292.881          | 7,67  |
|                                |          |               |                  | <b>199.792</b>   | <b>257.394</b>   | <b>535.169</b>   | <b>407.858</b>   | <b>691.230</b> | <b>674.606</b>   | <b>833.986</b> | <b>68.344</b>     | <b>3.668.379</b> |       |
|                                |          | DT            | Monofásicos      | 7.707            | 13.934           | 19.005           | 12.281           | 3.830          | 253              | 830            | 93                | 57.933           | 1,52  |
|                                |          |               | 2xMonofásicos    | 0                | 0                | 0                | 0                | 0              | 0                | 0              | 0                 | 0                | 0,00  |
|                                |          |               | Trifásicos       | 4.315            | 7.517            | 8.480            | 6.724            | 3.726          | 296              | 730            | 107               | 31.895           | 0,84  |
|                                |          |               |                  | <b>12.022</b>    | <b>21.451</b>    | <b>27.485</b>    | <b>19.005</b>    | <b>7.556</b>   | <b>549</b>       | <b>1.560</b>   | <b>200</b>        | <b>89.828</b>    |       |
|                                |          | TT            | 2xMonofásicos    | 0                | 0                | 0                | 0                | 0              | 0                | 0              | 0                 | 0                | 0,00  |
|                                |          |               | Trifásicos       | 244              | 703              | 449              | 280              | 96             | 15               | 119            | 15                | 1.921            | 0,05  |
|                                |          |               | <b>244</b>       | <b>703</b>       | <b>449</b>       | <b>280</b>       | <b>96</b>        | <b>15</b>      | <b>119</b>       | <b>15</b>      | <b>1.921</b>      |                  |       |
|                                | Reactiva | Monofásicos   | 475              | 933              | 2.264            | 1.829            | 5.004            | 2.387          | 2.012            | 4.785          | 19.689            | 0,52             |       |
|                                |          | 2xMonofásicos | 1                | 1                | 1                | 0                | 4                | 7              | 17               | 0              | 31                | 0,00             |       |
|                                |          | Trifásicos    | 6.395            | 9.009            | 7.091            | 5.360            | 3.331            | 3.176          | 5.151            | 70             | 39.583            | 1,04             |       |
|                                |          |               | <b>6.871</b>     | <b>9.943</b>     | <b>9.356</b>     | <b>7.189</b>     | <b>8.339</b>     | <b>5.570</b>   | <b>7.180</b>     | <b>4.855</b>   | <b>59.303</b>     |                  |       |
| (*) TOTAL CONTADORES ABONADOS= |          |               | <b>218.929</b>   | <b>289.491</b>   | <b>572.459</b>   | <b>434.332</b>   | <b>707.221</b>   | <b>680.740</b> | <b>842.845</b>   | <b>73.414</b>  | <b>3.819.431</b>  | 100,00           |       |
| %                              |          |               | <b>5,73</b>      | <b>7,58</b>      | <b>14,99</b>     | <b>11,37</b>     | <b>18,52</b>     | <b>17,82</b>   | <b>22,07</b>     | <b>1,92</b>    | <b>100,00</b>     |                  |       |
|                                |          |               |                  |                  | <b>%</b>         | <b>86,69</b>     |                  | <b>%</b>       | <b>23,99</b>     |                |                   |                  |       |
| RESTO                          |          | Contadores    | 16.726           | 11.463           | 18.399           | 2.545            | 0                | 0              | 3                | 1.807          | 50.943            |                  |       |
|                                |          | Relojes       | 12.488           | 25.076           | 26.048           | 14.710           | 3.171            | 249            | 5.637            | 10.438         | 97.817            |                  |       |
|                                |          | Otros         | 8.496            | 2.419            | 2.331            | 882              | 209              | 134            | 473              | 2.233          | 17.177            |                  |       |
|                                |          |               | <b>37.710</b>    | <b>38.958</b>    | <b>46.778</b>    | <b>18.137</b>    | <b>3.380</b>     | <b>383</b>     | <b>6.113</b>     | <b>14.478</b>  | <b>165.937</b>    |                  |       |
| ICP                            |          |               | <b>1.314.416</b> | <b>1.208.379</b> | <b>2.882.882</b> | <b>1.484.080</b> | <b>308.518</b>   | <b>216.821</b> | <b>905.468</b>   | <b>205.079</b> | <b>8.525.643</b>  |                  |       |
| (**) TOTAL EQUIPOS ABONADOS=   |          |               | <b>1.571.055</b> | <b>1.536.828</b> | <b>3.502.119</b> | <b>1.936.549</b> | <b>1.019.119</b> | <b>897.944</b> | <b>1.754.426</b> | <b>292.971</b> | <b>12.511.011</b> |                  |       |

**RESUMEN**

|                                     |  |  | A=Años            |                  |                   |                  |                  |                  |                  | Sin datos        | Total             | %      |
|-------------------------------------|--|--|-------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|-------------------|--------|
|                                     |  |  | A<5               | 5<A<10           | 10<A<15           | 15<A<20          | 20<A<25          | 25<A30           | A>30             |                  |                   |        |
| (*) TOTAL CONTADORES CCEE=          |  |  | <b>6.173.537</b>  | <b>3.816.889</b> | <b>3.105.490</b>  | <b>2.603.494</b> | <b>1.920.462</b> | <b>2.124.816</b> | <b>1.334.957</b> | <b>853.048</b>   | <b>21.932.693</b> | 85,17  |
| (*) TOTAL CONTADORES ABONADOS=      |  |  | <b>218.929</b>    | <b>289.491</b>   | <b>572.459</b>    | <b>434.332</b>   | <b>707.221</b>   | <b>680.740</b>   | <b>842.845</b>   | <b>73.414</b>    | <b>3.819.431</b>  |        |
| (*) TOTAL CONTADORES CCEE+ABONADOS= |  |  | <b>6.392.466</b>  | <b>4.106.380</b> | <b>3.677.949</b>  | <b>3.037.826</b> | <b>2.627.683</b> | <b>2.805.556</b> | <b>2.177.802</b> | <b>926.462</b>   | <b>25.752.124</b> | 100,00 |
| %                                   |  |  | <b>24,82</b>      | <b>15,95</b>     | <b>14,28</b>      | <b>11,80</b>     | <b>10,20</b>     | <b>10,89</b>     | <b>8,46</b>      | <b>3,60</b>      | <b>100,00</b>     |        |
|                                     |  |  |                   |                  | <b>%</b>          | <b>59,23</b>     |                  | <b>%</b>         | <b>12,05</b>     |                  |                   |        |
| (**) TOTAL EQUIPOS CCEE=            |  |  | <b>9.994.747</b>  | <b>5.959.321</b> | <b>6.860.453</b>  | <b>4.659.432</b> | <b>2.695.490</b> | <b>2.741.535</b> | <b>2.220.314</b> | <b>1.641.887</b> | <b>36.773.179</b> |        |
| (**) TOTAL EQUIPOS ABONADOS=        |  |  | <b>1.571.055</b>  | <b>1.536.828</b> | <b>3.502.119</b>  | <b>1.936.549</b> | <b>1.019.119</b> | <b>897.944</b>   | <b>1.754.426</b> | <b>292.971</b>   | <b>12.511.011</b> |        |
| (**) TOTAL EQUIPOS CCEE+ABONADOS=   |  |  | <b>11.565.802</b> | <b>7.496.149</b> | <b>10.362.572</b> | <b>6.595.981</b> | <b>3.714.609</b> | <b>3.639.479</b> | <b>3.974.740</b> | <b>1.934.858</b> | <b>49.284.190</b> |        |