EUROPEAN FUNDING FOR THE RENEWAL AND DECARBONISATION OF THE STCP FLEET
## STCP’s fleet evolution (2017-2021)

<table>
<thead>
<tr>
<th>TYPE OF ENERGY</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNG Buses</td>
<td>258</td>
<td>245</td>
<td>268</td>
<td>324</td>
<td>333</td>
</tr>
<tr>
<td>100% electric buses</td>
<td>0</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Diesel buses</td>
<td>162</td>
<td>160</td>
<td>137</td>
<td>81</td>
<td>67</td>
</tr>
<tr>
<td>Fleet total</td>
<td>420</td>
<td>420</td>
<td>420</td>
<td>420</td>
<td>420</td>
</tr>
</tbody>
</table>

Table 1: Annual characterisation of the STCP fleet (on 31 December of each year) by type of Energy used
STCP’s fleet renewal using European funds: dates and types

**POSEUR-01 Call for Applications**
- Application in 2017 for the purchase of 173 CNG + 15 EV
- Delivery of buses between April 2018 and December 2020

**POSEUR-02 Call for Applications**
- Application in 2019 for the purchase of 81 CNG + 5 EV
- Delivery of buses between February 2021 and December 2021

<table>
<thead>
<tr>
<th>ENERGY</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNG</td>
<td>0</td>
<td>35</td>
<td>59</td>
<td>79</td>
<td>81</td>
<td>254</td>
</tr>
<tr>
<td>Electric</td>
<td>0</td>
<td>15</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>20</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>50</td>
<td>59</td>
<td>79</td>
<td>86</td>
<td>274</td>
</tr>
</tbody>
</table>

Table 2: Number of vehicles purchased per year by type of Energy used

274 BUSES WERE PURCHASED TO REPLACE THE SAME QUANTITY OF SCRAPPED DIESEL AND NATURAL GAS VEHICLES:

Scraping of 95 diesel buses, mainly due to their age (>20 years) and high maintenance costs.

Scraping of 179 CNG buses, due to the legal limit on the duration of the gas tanks (20 years).
Fleet renewal: reduction of CO₂ emissions

<table>
<thead>
<tr>
<th>INDICATOR</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>1Q/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric vehicles Km</td>
<td>63 196</td>
<td>388 305</td>
<td>373 848</td>
<td>398 492</td>
<td>207 530</td>
</tr>
<tr>
<td>Tonnes of CO₂ savings</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with electric vehicles</td>
<td>96</td>
<td>588</td>
<td>567</td>
<td>604</td>
<td>314</td>
</tr>
</tbody>
</table>

**Between 2018 and 2021**

- 15 electric buses
- 200 kWh autonomy (less kms travelled/ bus)

**End of 2021**

- 5 new electric buses with increased autonomy
- Greater emissions savings and more kms travelled
Prospects for the future: new purchases

**PRR (Environmental Fund)**

- Purchase of 48 new buses
- Supply and installation of 24 150 kWh double output chargers

**EXPECTED DELIVERY**

Start – May 2023
End – November 2023

**IMPACT ON STCP’S FLEET**

50% of the vehicles to be acquired are destined to replace 24 diesel buses

The rest will be used to reinforce the fleet, which will have 444 buses
Prospects for the future: investment and fleet at the end of 2023

<table>
<thead>
<tr>
<th>HEADLINE</th>
<th>UNIT COST (€)</th>
<th>QT</th>
<th>TOTAL INVESTMENT (€)</th>
<th>ELIGIBLE INVESTMENT (€)</th>
<th>REQUESTED FUNDING (€)</th>
<th>ENERGY</th>
<th>2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric buses</td>
<td>398 795</td>
<td>48</td>
<td>19 142 160</td>
<td>11 034 960</td>
<td>11 034 960</td>
<td>CNG</td>
<td>324</td>
</tr>
<tr>
<td>Charging stations for electric buses</td>
<td>40 000</td>
<td>24</td>
<td>960 000</td>
<td>960 000</td>
<td>960 000</td>
<td>Electric</td>
<td>63</td>
</tr>
<tr>
<td>Communication plan</td>
<td>5 040</td>
<td>1</td>
<td>5 040</td>
<td>5 040</td>
<td>5 040</td>
<td>Diesel</td>
<td>57</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td><strong>20 107 200</strong></td>
<td><strong>12 000 000</strong></td>
<td><strong>12 000 000</strong></td>
<td><strong>Fleet total</strong></td>
<td><strong>444</strong></td>
</tr>
</tbody>
</table>

Table 3: Amounts involved in RRP procurement by heading

Table 4: Fleet in 2023
Prospects for the future: CO₂ emissions savings

**CO₂ emissions savings 2018-2021 + 2022-2028 forecast [tons]**

- 2028: 13,093 tons
- 2027: 12,184 tons
- 2026: 9,456 tons
- 2025: 7,092 tons
- 2024: 2,644 tons
- 2023: 1,061 tons
- 2022: 969 tons
- 2021: 604 tons
- 2020: 567 tons
- 2019: 588 tons
- 2018: 96 tons

**2018-2028 Total CO₂ saving:**

48,838 tons
2030 Scenario:
Full decarbonisation of the STCP fleet

Purchase: 425 EV buses
Total investment: 193 M€
Total annual CO₂ emissions saving: >34,000 tons
PART

TARIFF REDUCTION POLICY
Expand intermodal system to cover all AMP territory

Simplification of the tariff scheme:
- 29 bus operators
- Metro
- Train

Strong reduction in fares
INTERMODAL SYSTEM EXTENDED TO ALL PUBLIC TRANSPORT SERVICES

NEW FARES

- € 40 / month flat price to travel in all metropolitan area
- € 30 / month flat price to travel in one municipality
- Free public transport for children under 13 years
- € 80 / month family price for all members of household
Simplification and reduction of tariff scheme policy

Some examples:

**OLD PRICE**  **NEW PRICE**
€ 159,75  € 40

**OLD PRICE**  **NEW PRICE**
€ 78,35  € 40

**OLD PRICE**  **NEW PRICE**
€ 121,15  € 40
In 2018, the 3rd quarter had 44.3 million passengers. In 2019, the 3rd quarter had 53.4 million passengers, which is an increase of 20%.