Financing Sustainable Mobility
The case of Palma
Manel Rivera
EMT (Municipality of Palma)
Financing Sustainable Mobility – The case of Palma

Barcelona, June 12th 2019
## Financing Sustainable Mobility – The case of Palma

Barcelona, June 12th 2019

<table>
<thead>
<tr>
<th>Model</th>
<th>Diesel</th>
<th>CNG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercedes Citaro 18 m</td>
<td>24</td>
<td>-</td>
</tr>
<tr>
<td>Iveco Citelis 18 m</td>
<td>17</td>
<td>2</td>
</tr>
<tr>
<td>Mercedes Citaro 12 m</td>
<td>89</td>
<td>-</td>
</tr>
<tr>
<td>Iveco Citelis 12 m</td>
<td>24</td>
<td>10</td>
</tr>
<tr>
<td>Iveco Urbanway 12 m</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Mercedes Citaro 10 m</td>
<td>11</td>
<td>-</td>
</tr>
<tr>
<td>Iveco Daily 8 m</td>
<td>2</td>
<td>-</td>
</tr>
</tbody>
</table>

181 buses
Financing Sustainable Mobility – The case of Palma
Barcelona, June 12th 2019

53% are older than 16 years

100 new buses

Greener (CNG)

Bigger (15m & 18m)
European Investment Bank

Financing Sustainable Mobility – The case of Palma
Barcelona, June 12th 2019
Financing Sustainable Mobility – The case of Palma
Barcelona, June 12th 2019

+100 new buses in 2019
+90 new buses by 2023
25% ENERGY SAVINGS compared to our 2001 MB Citaro.

-5,399 T of equivalent CO₂ per year and...

<table>
<thead>
<tr>
<th></th>
<th>CO</th>
<th>HC</th>
<th>NOx</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-63%</td>
<td>-88%</td>
<td>-94%</td>
<td>-93%</td>
</tr>
</tbody>
</table>
Economically feasible:

- We were already paying for them!
  
  Savings for replacing 12m Euro II buses to Euro VI = 124,846 €/bus
  Savings for replacing 18m Euro II buses to Euro VI = 194,455 €/bus

- Additionally, we are going for CNG.
  
  Extra savings of 43,628 €/12m bus
  Extra savings of 42,727 €/18m bus

- And...
  
  2,74M€/year according to emissions economic value.
In addition...
100 New buses are on their way...
To help reshaping mobility in Palma

Thank you for your attention

manel.rivera@emt.palma.es
@ManelRiveraB

Contact information: mateu.marcus@emt.palma.es

Financing Sustainable Mobility – The case of Palma
Barcelona, June 12th 2019