Measuring and offsetting IETF carbon emissions

Jay Daley - IETF Executive Director

Making the Internet work better
Measuring our carbon emissions

Work to date

● Used consultants to calculate emissions for last six onsite meetings
● Simple methodology
  ○ Assume travel from capital city of each country and economy flights
  ○ Event venue emissions based on area
  ○ Hotel emissions based on estimated room nights
● Uses international standards
  ○ Emission factors are from the GHG Protocol’s Emission Factors for Cross-Sector Tools.
  ○ Assumptions about energy use at venues and hotels are based on Commercial Buildings Energy Consumption Survey (CBECS) data
### Measuring our carbon emissions
#### Work to date

<table>
<thead>
<tr>
<th>All figures in metric tons of CO$_2$e</th>
<th>London 101</th>
<th>Montreal 102</th>
<th>Bangkok 103</th>
<th>Prague 104</th>
<th>Montreal 105</th>
<th>Singapore 106</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air travel emissions</td>
<td>3,508</td>
<td>2,859</td>
<td>5,328</td>
<td>4,111</td>
<td>2,974</td>
<td>6,408</td>
</tr>
<tr>
<td>Event venue emissions</td>
<td>1.0</td>
<td>0.5</td>
<td>0.8</td>
<td>1.5</td>
<td>0.5</td>
<td>0.9</td>
</tr>
<tr>
<td>Hotel stay emissions</td>
<td>30</td>
<td>18</td>
<td>27</td>
<td>35</td>
<td>19</td>
<td>24</td>
</tr>
<tr>
<td>Total emissions</td>
<td>3,539</td>
<td>2,877</td>
<td>5,356</td>
<td>4,147</td>
<td>2,993</td>
<td>6,433</td>
</tr>
</tbody>
</table>

**TOTAL Emissions over two years** 25,346 metric tons CO$_2$e
Measuring our carbon emissions
Plan for the future

● Aim is to have much better emissions calculations
  ○ Correct city, mode and class of transport, route
    ■ assumes people are willing to share their data for this purpose
  ○ Include non-meeting operations
  ○ Track the calculation standards as they develop

● Questions for the community (These are specifically about measurement not offsetting).
  ○ Any objections to the LLC just getting on with this?
  ○ What role for the community in this?
Offsetting our carbon emissions
The big part

● Only action so far is to identify consultants who can help with this
  ○ provide educational material
  ○ contribute to community workshops
  ○ research the market

● What kind of community consensus is needed to offset?
  ○ none?
  ○ consensus to do it?
  ○ consensus on the policy guiding how we offset?
  ○ consensus on the chosen methods/schemes?
thank you.