This action plan is one of ten that we have put in place for the period 2015-2018, covering the following issues - air quality, biodiversity, carbon, community, energy, local economy, noise, surface access, waste, and water quality & consumption. Each action plan shows how our S106 Legal Agreement and our Decade of Change sustainability strategy are aligned to ensure that the airport continues to grow sustainably and our actions to deliver these two programmes. We’ll continuously monitor our performance and report annually our progress against the actions. The action plans will be reviewed and updated in 2017-18 in conjunction with the development of a new S106 Legal Agreement.

S106 LEGAL AGREEMENT OBLIGATIONS

Action Planning: To review and update an Action Plan by 31 December 2017 specifying its prioritised programme of activities to address Utilities management.

Monitoring and Reporting: To include in the annual Monitoring Report on compliance with the s106 Agreement the energy consumption of infrastructure within the Company’s control.

The publication of this action plan confirms our commitment to improving our approach to energy consumption.

Our 2010 Decade of Change strategy set out 3 focus areas on energy management

- Investing in low carbon and zero carbon technology
- Empowering our employees to change the way they work
- Working with partners to drive improvements in waste management that improve our energy consumption profiles

We will deliver our overall Decade of Change plan by

- Working with Government on new and emerging legislation
- Maintaining a strong relationship with the airport’s key local authorities
- Working with business partners to deliver innovative work programmes
- Engage with airport employees and passengers to ensure they support our approach

Our DECADE OF CHANGE 2020 VISION

We want to reduce our energy consumption by 20% (against 1990 baseline)
ENERGY MANAGEMENT ACTION PLAN 2015 - 2018

Our Action Plan is designed to deliver our S106 obligations and Decade of Change targets on Energy. Actions 1, 3, 4, 5 and 6 are Decade of Change actions; and Actions 2, 7 and 8 are combined S106 and Decade of Change actions.

1. Agree annual energy reduction targets in line with our Energy and Carbon strategy and Decade of Change goals, and monitor performance monthly.

2. Review performance trends and update our action plan through to 2020.

3. Complete site-wide energy audit as part of achieving compliance with the Energy Savings Opportunities Scheme (ESOS).

4. Continue to evaluate and invest in energy efficient technologies for operational asset base.

5. Continue to evaluate the feasibility and economic justification of alternative sources of energy production to reduce imported energy use.

6. Continue to use and review technical standards based on recognised best practice approaches to deliver energy efficient buildings and systems, and to engage with and encourage third party airport occupants to improve their energy efficiency.

7. Continue to improve energy metering, monitoring and reporting systems.

8. Report performance through internal governance processes and externally via stakeholder groups, websites and annual reports.

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ENERGY KPIs

<table>
<thead>
<tr>
<th>KPI Description</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Passengers</td>
<td>31,353,547</td>
<td>33,660,146</td>
<td>34,222,461</td>
<td>35,447,009</td>
<td>38,127,690</td>
</tr>
<tr>
<td>Total Energy consumption (kWh)</td>
<td>237,955,708</td>
<td>220,443,201</td>
<td>221,459,900</td>
<td>217,383,082</td>
<td>199,881,519</td>
</tr>
<tr>
<td>% change on 1990 baseline</td>
<td>-0.9%</td>
<td>-8.1%</td>
<td>-7.7%</td>
<td>-9.4%</td>
<td>-16.7%</td>
</tr>
<tr>
<td>Total by user</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total GAL usage*</td>
<td>177,303,302</td>
<td>163,146,169</td>
<td>166,700,585</td>
<td>161,847,777</td>
<td>142,379,665</td>
</tr>
<tr>
<td>Total 3rd party usage</td>
<td>60,652,406</td>
<td>57,297,032</td>
<td>54,759,313</td>
<td>55,535,305</td>
<td>57,501,854</td>
</tr>
<tr>
<td>Total by fuel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electricity consumption (kWh)**</td>
<td>162,621,805</td>
<td>161,234,426</td>
<td>158,798,686</td>
<td>152,934,224</td>
<td>149,603,424</td>
</tr>
<tr>
<td>Gas consumption (kWh)</td>
<td>75,333,903</td>
<td>59,208,775</td>
<td>62,661,214</td>
<td>64,488,858</td>
<td>50,278,095</td>
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<tr>
<td>Renewable energy generated on site (kWh)</td>
<td>n/a</td>
<td>n/a</td>
<td>54,585</td>
<td>52,338</td>
<td>51,924</td>
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<tr>
<td>Total energy per passenger (kWh)</td>
<td>7.59</td>
<td>6.62</td>
<td>6.47</td>
<td>6.13</td>
<td>5.24</td>
</tr>
<tr>
<td>GAL energy per passenger (kWh)</td>
<td>5.66</td>
<td>4.85</td>
<td>4.88</td>
<td>4.57</td>
<td>3.74</td>
</tr>
</tbody>
</table>

*Energy used to run GAL operations including terminals, offices, airfield and operational systems. 3rd party usage is energy supplied by GAL but used by other companies to run their own operation e.g. airlines, hotels, retailers, Renewable energy generated on site is also included as part of GAL usage.

** Data for 2010 includes 3rd party usage prior to implementation of sub-metering in 2011.

KEY HEADLINES FOR 2010-14:

• A solar panel array was installed at the eastern end of the airfield generating some 50 MWh of renewable energy and providing a basis to evaluate the feasibility of larger installation.

• Capital development incorporating energy efficient systems has included a new energy efficient airfield operations building, two new airfield access security posts, the first half of a refurbished Pier 5, a refurbished lower level departure lounge in South Terminal and an ‘aircraft stand’ lighting upgrade.

• Implementation of a package of energy efficient lighting upgrade projects utilising a combination of retrofit LED lamps and new LED luminaires on the airfield including the runway, and in the terminals and offices.

• Devised and implemented a series of building management system load shedding controls to both reduce peak demand and consumption in the winter months.

LOOKING AHEAD

We aim to sustain and further improve our energy efficiency on an absolute basis in line with our Decade of Change targets. We will also keep our targets under review to ensure they remain relevant & challenging.