# SOME OF OUR OFFSETTING PROJECTS

### **Forest conservation (EcoAct)**

### **Renewable energy - Solar**





Location	Ethiopia	India	
Accreditation	VCS	VCS	
Description	<ul> <li>&gt; Help local users and government to manage the responsibility and benefits of the forest together to halt deforestation aiming to make standing trees valuable to local people by creating business opportunities and strengthening sustainable land-use practices which help protect the forest</li> </ul>	<ul> <li>This project helps to converge mix, lessen the reduce the carbon into the project is in Tamil the installation and op 830,000 solar panels</li> </ul>	



Safe water



Uganda / Enitrea (and more)

diversify the Indian e reliance on coal, and tensity of the grid Nadu and comprises peration of **more than** S

Gold Standard

- > This project rehabilitates broken boreholes to provide clean water to communities whilst providing a funding mechanism to ensure long term maintenance
- > As a result, families no longer have to boil water, saving firewood and preventing carbon emissions



# **CORPORATE RESPONSIBILITY**

- > We know it's important to our customers that we operate sustainably
- > With the introduction of our A320neos, we are already offering:







> We are the **#1 NEO** operator in Europe with **130 aircraft** on order

> We are the **#1 LEAP** Powered NEO operator in Europe

> As well as enabling us to continue to deliver growth in slot constrained airports the A321neo delivers the lowest operating costs of any single aisle aircraft

Over 50% quieter on take-off and landing, providing a benefit to airport neighbourhood communities



# **CORPORATE RESPONSIBILITY**

### Our initiatives to reduce carbon emissions and noise

#### Today

- > Lightweight Recaro seats
- > Paperless cockpits
- > Vortex generator retrofit
- > Electric tugs in London Gatwick
- Efficient use of aircraft and > quick turnarounds
- One engine taxiing, delayed engine starts and continuous descent approaches

#### Tomorrow

- > Hydrogen technology to power aircraft taxiing
- > Collaboration with Wright Electric to build and operate the first electric short-haul aircraft





### easyJet's carbon emissions

In 2017, easyJet's carbon emissions per passenger kilometre were 78.62 grams, down from 79.98 grams in 2016.

This is part of a **32% reduction** since 2000.

easyJet has a carbon emissions target of 72 grams by 2022...

...which would be a **38% improvement** from 2000

### **Carbon emissions per** passenger kilometer





# FORWARD THINKING

- > Climate change is an issue which we all have to tackle including us at easyJet. This is an important part of Our Promise of being a safe and responsible airline.
- > In the short-term we are focused on being as efficient as we can; having modern, fuel efficient planes; flying them in ways which avoid noise and an unnecessary use of fuel.
- > In the long-term this won't be enough. Aviation will have to reinvent itself and move to electric and hybrid planes powered by renewable energy
- > We're supporting Wright Electric who is aiming to produce an all-electric plane which could be used for short haul flights.
- > We're also talking to Airbus, Derwent Engineering and Safran about new technologies to radically reduce the carbon footprint of flying





#### Our aircraft are among the youngest in the world, with an average age of 6.9 years

Airbus A319	Airbus A320NEO	Airbus A320NEO	Airbus A321NEO
156	180 / 186	186	235
2 pilots and 4 cabin crew	2 pilots and 4 cabin crew	2 pilots and 4 cabin crew	2 pilots and 5 cabin crew
CFM56-5B	CFM56-5B	CFM LEAP-1A	CFM LEAP-1A32
520mph	520mph	520mph	520mph
1,711 miles	2,445 miles	2520 miles	4,598 miles
126	168	20	4

**CONTENTS** 

# **REINVENTING AVIATION**

# Wright electric

>easyJet has been supporting Wright Electric over the last two years, which is aiming to produce an all-electric 'easyJet sized' plane which could be used for short haul flights

Many key city pairs like London to Amsterdam or London to Paris or Belfast to London could be flown by an electric aircraft – cutting emissions, noise and fuel consumption

>Wright Electric already has a two-seater electric plane flying today with partner Axter Aerospace. It plans to fly a second 9seater sized electric aircraft in the coming months and a larger, commercial-scale aircraft by 2023

# Airbus

> Joint research project on hybrid and electric aircraft

> The aim is to further the industry's understanding of the operational and infrastructure opportunities and challenges of plug-in hybrid and full electric aircraft

> Work packages will focus on the impacts and the requirements necessary for the large-scale introduction of next generation sustainable aircraft on infrastructure and every-day commercial aircraft operations





