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The opportunity to introduce biofuels at airport level

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Introducing SkyNRG

Foundation of SkyNRG



SkyNRG was founded by three complementary JV

Sustainability Board



KLM Corporate BioFuel Program



Continuous supply

Long term, continuous supply at LAX



Hydrant system

Supply via existing infrastructure



2009 2010 2011 2012 2013 2014 2015 2016 2017

SkyNRG supplied most Sustainable Aviation Fuel flights to date



Roadmap for Singapore



Airport approach



MONTREAL, CANADA, NOVEMBER 29-30, 2017



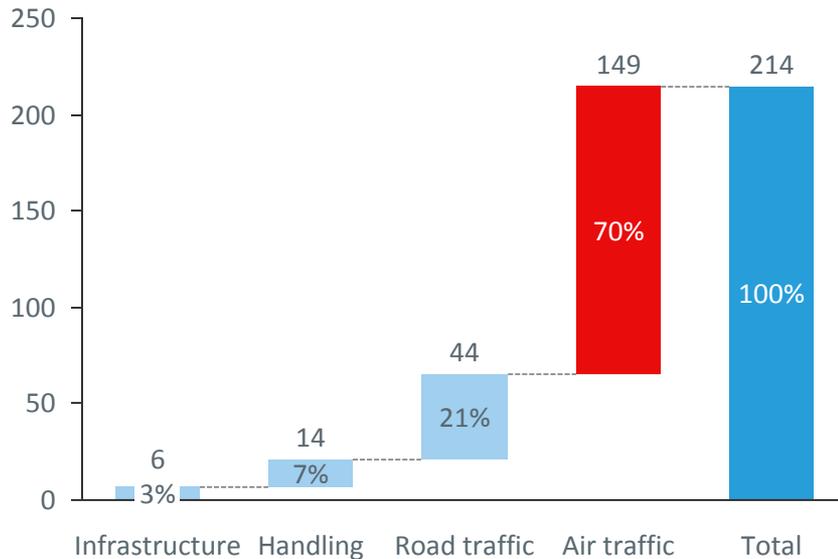
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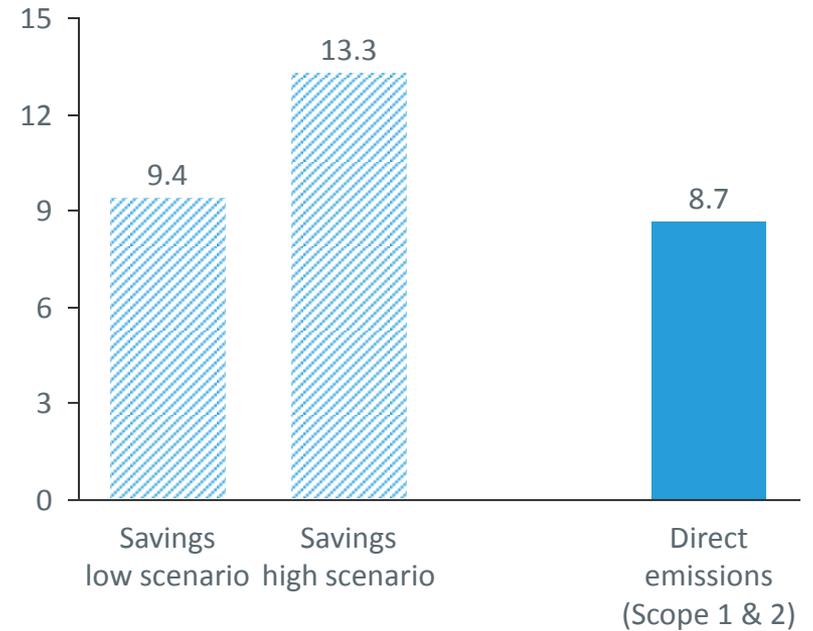


If aviation wants to achieve the ICAO targets for sustainable development Airports should focus on emissions resulting from fuel burn

Air traffic is the largest source of CO₂ emissions at the airport



The CO₂ savings from implementing 1% SAF already outstrips the combined scope 1 and 2 emissions



In addition to the CO₂ savings there are other benefits that can generate significant support from the local community and other stakeholders

1 Reduced CO ₂ emissions		<ul style="list-style-type: none">• CO₂ emissions are reduced up to 80%• Support achieving 2035 Carbon Neutrality goal and Airport Carbon Accreditation Recognition	
2 Improved local air quality		<ul style="list-style-type: none">• 100% reduction of sulphur emissions (SO_x)• Reduces particulate matter (PM) emissions up to 90%	
3 Regional development		<ul style="list-style-type: none">• Local investments & job creation• Increasing energy security• Developing the clean tech sector	
4 Positive exposure/PR		<ul style="list-style-type: none">• Pioneering a new model for sustainable development will generate a lot of positive PR.	

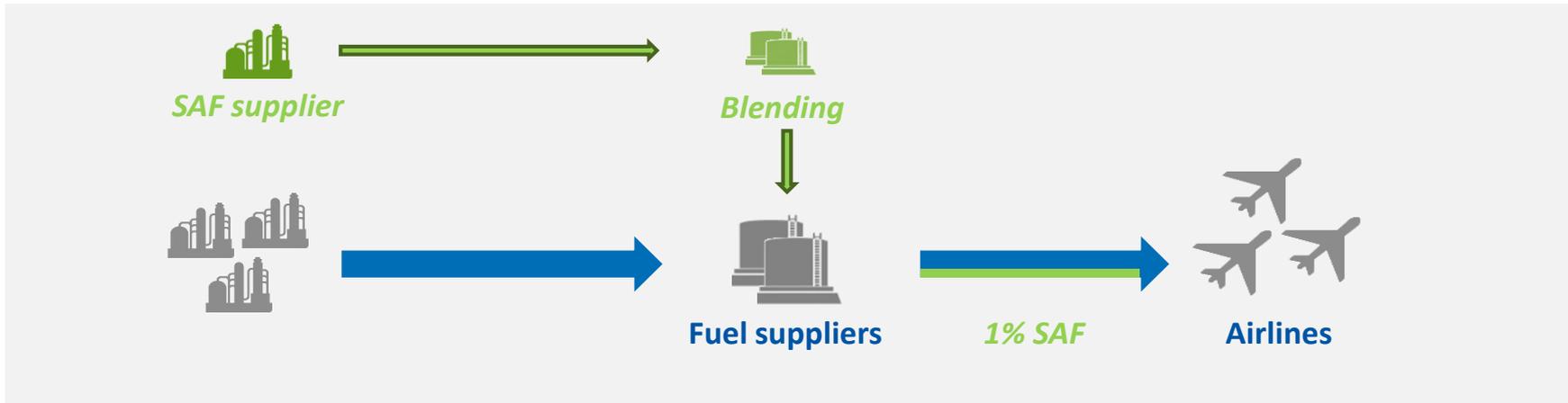
The Airport Approach introduces a solution in which the airport takes a leading role to enable an airport-wide SAF blend

- Developed by the Carbon War Room (CWR) and SkyNRG
- The model supports an airport in every aspect needed to introduce an airport-wide SAF blend utilizing existing fueling infrastructure
- Leverage its unique position at the intersection of government, customers, airlines & suppliers an airport can:
 - Aggregate demand across the airport (all airlines)
 - Identify funding sources to cover the premium
 - Avoid competitive distortions between airlines; equality
 - Get stakeholder support & build consortia



Geneva Airport is the first to implement the airport initiative and will permanently introduce 1% SAF from next year onwards

Physical supply chain set-up



Financing

- Financing secured:
 - Own resources
 - Government funding
 - Potential to scale with other stakeholders

Sustainability impact

- CO2 larger than all scope 1 & 2 emissions combined
- Drastic reduction in (ultra) fine particle emissions



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Questions

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