



Sustainability and territories

October 2018

Agenda

- Who we are
 - What we do, where, how?
 - Sustainability: our commitments
- Committed to do more
 - Vehicles
 - Energy
 - Being sustainable in the territories



Who we are?

What we do, where, how?



What we do, where, how?

Who We Serve

10.5 Million+
Customers
Daily

46 Million+
UPS My Choice*
Members
(as of June 2018)

220+
Countries and
Territories Served

Where We Go

5.1 Billion
2017 Delivery
Volume

Americas
Asia-Pacific
Europe
Indian Subcontinent,
Middle East, and Africa
(ISMEA)
USA

20 Million
Package Deliveries
Daily

How We Do It

454,000+
Global Employees

2,240+
Daily Flight
Segments

119,000
Vehicles

2,500+
Worldwide
Operating Facilities

27,500+
UPS Access Point™
Locations

~9,100
Alternative Fuel
or Advanced
Technology Vehicles

580+
Owned and
Leased Aircraft

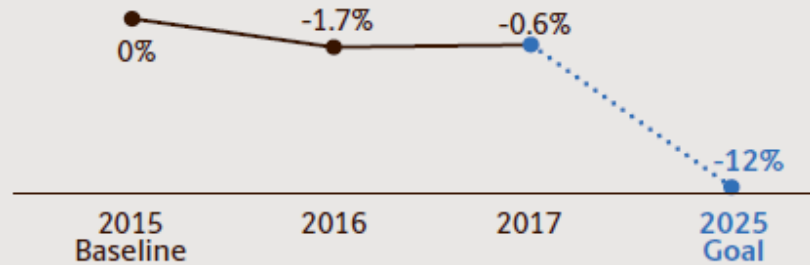
Committed to do more

Sustainability commitments

Ambitious goals

Absolute GHG Emissions of Global Ground Operations

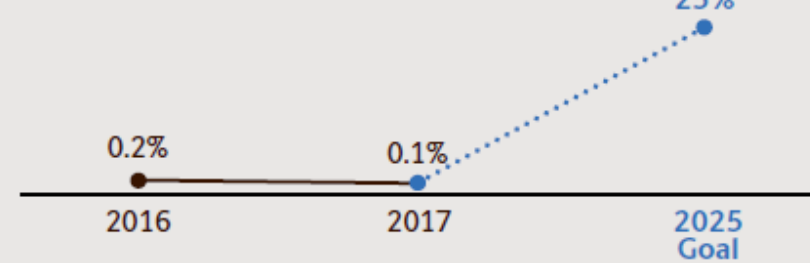
Reduction in CO₂e metric tonnes since 2015.



Growing e-commerce volume requires fleet expansion, which creates headwinds due to more miles traveled.

Electricity From Renewable Sources

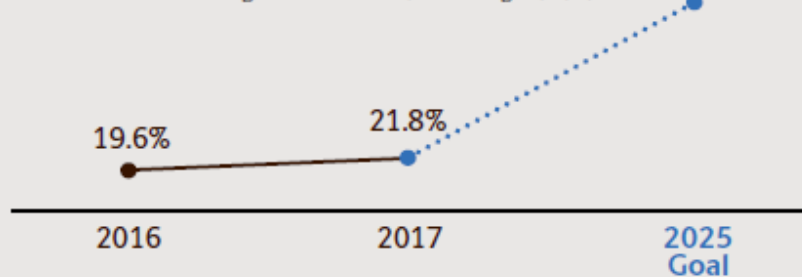
Percentage of renewable energy to total electricity.



Progress should accelerate in 2018 when 10 megawatts of renewable energy is expected to come online.

Alternative Fuel

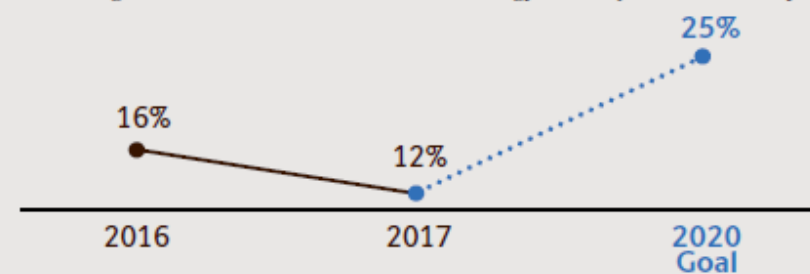
Percentage of alternative fuel to total ground fuel.



We purchased 115 million gallons of alternative fuels in 2017, including renewable natural gas, biodiesel, and ethanol.

Total Alternative Fuel & Advanced Technology Vehicles

Percentage of alternative fuel and advanced technology vehicles purchased annually.



Our alternative fuel and advanced technology fleet is now approximately 9,100 vehicles strong, even though investment slowed in 2017.

**Does not include data from UPS subsidiaries Coyote Logistics and Marken.*



Committed to do more

Delivering sustainable

- Urban access restrictions and being more sustainable means a new generation of vehicles
- UPS took the opportunity to start from a white page. Using the advantages of the electrical vehicles to improve efficiency. Vehicles are adapted to territory specificities.

UPS WORKING WITH ARRIVAL ON ELECTRIC VEHICLES FOR LONDON AND PARIS

Posted by Ian Taylor | May 9, 2018 | Futuristic Logistics, Infrastructure, Inner City Challenge, Innovation, Operational Efficiency, Parcel, Sustainability | 0 ● | ★★★★★



UPS is working with the technology company ARRIVAL to develop a pilot fleet of 35 electric delivery vehicles (EVs) to be trialed in London and Paris.

UPS orders a fleet of 1,000 electric delivery vans with Workhorse

▲ BRIAN HAGGERTY | 17 JUNE 2018



In a move which marks the latest electrification effort by UPS, the parcel delivery giant has placed an order for 1,000 electric delivery vans with Ohio-based truck manufacturer Workhorse.

In revealing that UPS has ordered a new fleet of electric vans, Workhorse has confirmed in a recently-released statement that it has signed "a new binding agreement with UPS," under which UPS would be buying "950 N-GEN plug-in electric delivery vehicles."

The latest order from UPS has come in addition to its previous order placed with Workhorse for the purchase of 50 units of all-electric delivery trucks. As such, UPS has now ordered a total of 1,000 electric delivery vans from Workhorse.

UPS' latest order for electric delivery van fleet with Workhorse underscores the delivery company's newest move towards electrification because it has a number of electrification efforts currently underway.

Besides the electric delivery van fleet ordered with Workhorse, UPS has also ordered 125 units of Tesla Semi trucks, along with some units of Daimler's new electric trucks. Moreover, UPS has also deployed a small fleet of new custom-built all-electric delivery trucks in London in May 2018, and is involved in an effort to convert 'up to 1,500 delivery trucks' to battery-electric vehicles in New York.

UPS and Thor collaborate to test electric delivery trucks

July 31, 2018 Chad Prevost



Committed to do more

Delivering sustainable

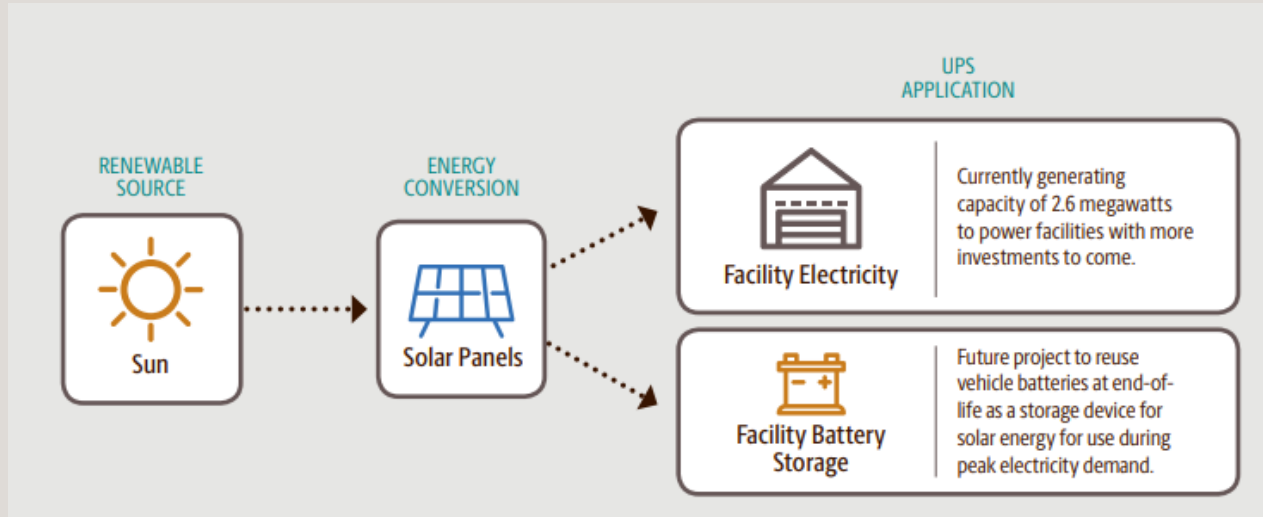
It also works with bikes.

Instead of adding existing cargo-bikes
we search/design the bikes that enable to gain
efficiency in delivering in the cities



Committed to do more

Beyond the last km delivery: solar energy



In 2017, UPS announced plans to invest \$18 million in solar energy, which will result in a nearly fivefold increase in the amount of power generated from solar at UPS facilities today. This will expand UPS's owned solar power-generating capacity by almost 10 megawatts, the equivalent of providing electricity to approximately 1,200 homes

- **The uses of renewable energy:** example in France and Germany all facilities have been shifted to «green electricity». It also enables to improve **e-vehicles efficiency** regarding CO2 emissions
- Some facilities in the US but also in Europe are equipped with solar panels to produce electricity. **In the US Renewable energy capacity totals 2.6 megawatts**, capable of producing more than 3.5 million kilowatt-hours a year

Being sustainable in the territories

Sustainability, adapting operations to French cities requirements and specificities

- UPS has signed the Parisian charter for sustainable logistics. 30 electrical vehicles already on road to serve the city center
- UPS also signed the charter of the city of Toulouse and has there 4 electrical vehicles.
- UPS collaborate with various cities in order to elaborate an urban access scheme
- E-vehicles are deployed in multiple cities: Vanne, Montpellier, Annecy...
- 15+ natural gas vehicles and when possible using du biogas
- Alternative operations (cargo bikes, walkers, trolleys) experimented or in use in several cities (Rennes, Bordeaux, Nantes, Angers, Orléans, Paris, etc.)
- All UPS's building in France are using renewable energy (Guarantee of origins)



Sustainability, adapting operations to French cities requirements and specificities



Christophe Najdovski ✓
@C_Najdovski

Suivre

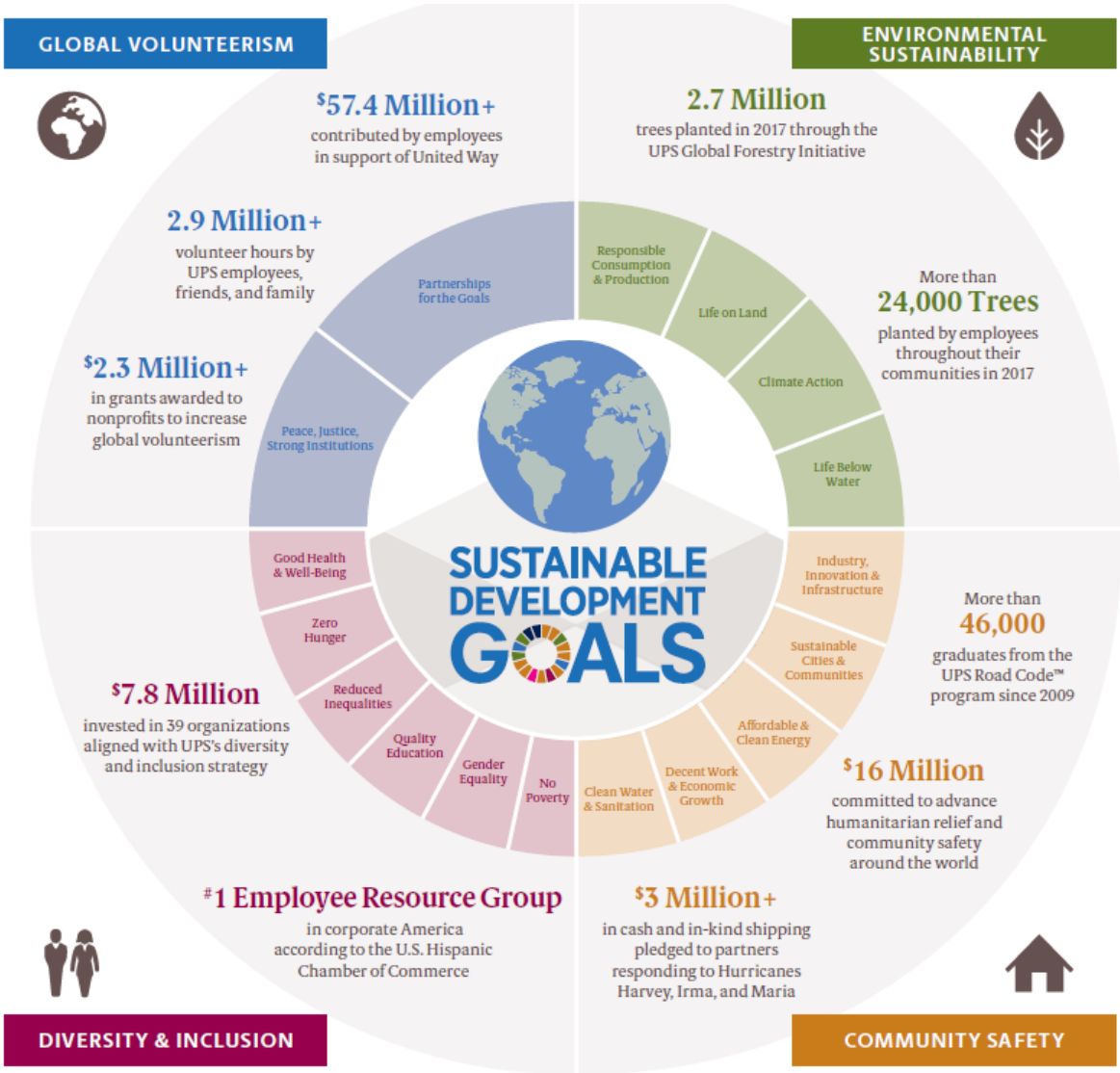
A #Paris, expérimentation pour la logistique du dernier km avec @UPS_FR et @Mairiedu2 : innovation pour une ville + écologique, un espace public + apaisé et partagé. Ensemble, serait-on en train de prouver qu'une grande partie des livraisons VUL peuvent se faire en vélo cargo ?



02:28 - 6 juil. 2018



Just one last thing...





Thank you