



AN ENVIRONMENTAL-FRIENDLY AIRPORT FOR CHICAGO O'HARE INTERNATIONAL

by
Taylor Marie

ZERO WASTE

Create the popularization of environmentally friendly airports by providing solutions to reduce their use of energy and resources.

Problem?

Airports are not actively seeking an entire refurbishment inside and out. They may be doing *some* work, but not enough for passengers to notice.

Target Audience:

Chicago O'Hare International Airport

One of two large airports in the Chicago Department of Aviation.

Actively hosts Airports Going Green alongside the American Association of Airport Executives (AAAE).

Since 2003, designers, contractors, consultants and construction management teams have reviewed over 58 projects.

Existing Solutions in Chicago

- “Water Efficient Landscaping
- Restroom Modernization
- Single-Stream Recycling
- Battery Recycling
- Liquid Collection Stations
- Filtered Water Bottle Refill Stations
- Composting
- Solar Photovoltaic Energy System
- Energy Efficiency Upgrades
- Retro-Commissioning
- Aeroponic garden

Final Solutions

- Sell less plastic water bottles, and offer reusable water bottles instead.
- Hold a contest for drinking fountains to be redesigned.
- Have recycled chairs instead of newly designed ones. Also have the older chairs recycled to other programs, like Portland Airport.
- Use thinner TSA bins and security detectors.

- Cut back on paper tickets, by only allowing electronic passes.
- Only use hand dryers instead of paper towels.
- Make a digital copy of the passenger info page instead of paper (what the gate gives to the plane).
- Use solar panel architecture instead of traditional panels to generate their energy.

- Use windmills to also generate their energy.
- Reduce their light energy with timers and sensors throughout the airport, similar to Boston.
- Use motion censored escalators.
- Use the friction on the runways from the planes coming and going to use as renewable energy.
- Advertise O'Hare's aeroponic garden (first in any airport in the world) larger.
- Embrace the opportunity for green walls. This would be located after security in the terminals, when the walls funnel to each concourse.

These solutions make small, but powerful steps towards reducing energy and resources.

Since airports have long hours, 365 days, these small changes add up. With these solutions, it influences their passengers to also participate.

SELLING TO THE FLYERS

(PUBLIC RELEASE)

WE KNOW YOU DIDN'T KNOW,
BUT NOW YOU DO.



CHOOSE GREEN. CHOOSE ORD.
click the green leaf when booking your next flight.

WE KNOW YOU DIDN'T KNOW,
BUT NOW YOU DO.



CHOOSE GREEN. CHOOSE ORD.
click the green leaf when booking your next flight.

JOIN THE CAUSE. CHOOSE GREEN.
FLY AT ORD.

The image shows a travel booking website interface. At the top, there are navigation buttons: Flights, Hotels, Flight + Hotel (highlighted), Cars, Cruises, and Things to Do. Below these are sub-options: Flight + Hotel, Flight + Hotel + Car, Flight + Car, and Hotel + Car. The main search area has two columns. The left column is for 'Flying from' with a text input field containing 'City or airport'. Below it are 'Departing' and 'Returning' date pickers with 'mm/dd/yyyy' placeholders. There is a checkbox for 'I only need a hotel for part of my stay' and a link for 'Advanced options'. A dropdown menu shows 'Economy/Coach'. A green 'Search' button is at the bottom left. The right column is for 'Flying to' with a text input field containing 'chic'. A dropdown menu is open, showing a list of locations: Chicago, IL; Chicago O'Hare International Airport (ORD), IL (highlighted with a green map icon); Chico, CA; Chicago Midway Airport (MDW), IL; Chichen Itza - Valladolid, Yucatan, MX; Chiclayo, Peru; and Chicago Museum Campus, Chicago, IL. The background of the website shows two people with backpacks looking out over a mountain range.

Flights Hotels **Flight + Hotel** Cars Cruises Things to Do

Flight + Hotel Flight + Hotel + Car Flight + Car Hotel + Car

Flying from

City or airport

Departing

mm/dd/yyyy

Returning

mm/dd/yyyy

☐ I only need a hotel for part of my stay

Advanced options

Economy/Coach

Search Save up to \$605 Book Flight + Hotel at the same time

Flying to

chic

- Chicago, IL
- Chicago O'Hare International Airport (ORD), IL**
- Chico, CA
- Chicago Midway Airport (MDW), IL
- Chichen Itza - Valladolid, Yucatan, MX
- Chiclayo, Peru
- Chicago Museum Campus, Chicago, IL

“GOING GREEN IS JUST A CLICK AWAY.”

letter from the editor

CONTINUED FROM PAGE 214

3 Every now and then something emerges that was just known to be going to be a major fashion hit. This spring, that would be my one-of-the-many versions of the white dress, which is bound to have everyone saying "I want" rather than "I like." (See "Light Breeze," page 490, and "White That," page 494.)

4 I lived through the 1970s and remember its style, high and low, so fashion's obsession with that particular decade has in the past left me wanting it to remain firmly in the past. Yet even I was seduced by the romanticism and optimism of the best new clothes that referenced that era ("Huckle and Flore," page 479).

5 Some of my *Vogue* colleagues mark out their year by fashion week schedules, but mine is also punctuated with various tennis tournaments around the world, and I am looking forward to seeing these record-breaking players do their best at the Miami Open in Key Biscayne this month: the Bryan brothers, who captured their hundredth doubles title last year, and Roger Federer—who, rather incredibly, won his thousandth match earlier this year.

In *Nostalgia* ("Hard Candy," page 346), Candice Bergen reminisces about the role that changed perceptions of her—and led the television industry's belief that no one was interested in her over 40. The column is taken from her forthcoming autobiography, *A Fine Romance* (Simon & Schuster). Candice has had a history with *Vogue*, starting with modeling for us in the 1970s. I am delighted that relationship continues today through her latest, our smart and witty Second Editor, Chloe Malle.

Andie Kazanjian met the artist Paul Chan at his studio in Brooklyn's Sunset Park, a neighborhood where so much endeavor seems to be percolating. Chan's Guggenheim from March 6, and in "The Challenger" (People Art Talk-out, Art, page 472), Dodie reveals an artist who constantly reinvents himself—and us.

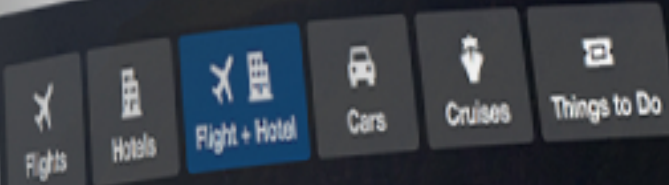
written a great deal about my friendship with Oscar de la Renta in the last few months, and I am very much looking forward to visiting the SCAD Museum of Art in Savannah to see on Talley's exhibition of Oscar's work (Flash, page 400). beauty of the clothes will bring back many, many happy memories with a few that are bittersweet.

new Morrison stars as J. M. Barrie, the author of *Peter Pan*, in the theatrical version of *Finding Neverland* (Awright," page 544). Matthew is another actor with long relationship with this magazine, starting with 2002. His star has, of course, risen immeasurably—it's wonderful to have Matthew back onstage. If *Neverland*, he has found it.

we came back from the spring 2015 collections late last month, Fashion Market Director Virginia Smith met for a story that mixed fashion and food, since we eat has become, if you'll excuse the pun, an obsession ("Taste of the Town," page 558). Thank you for its blend of style, personality, and cultural context. A perfect *Vogue* story.

Anna Wintour

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FLY AT ORD.



Flight + Hotel Flight + Hotel + Car Flight + Car Hotel + Car

Flying from
City or airport

Departing
mm/dd/yyyy

Returning
mm/dd/yyyy

☐ I only need a hotel for part of my stay

Advanced options

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"GOING GREEN IS JUST A CLICK AWAY."

FIND YOUR FLIGHT

Flight Number

April 24 Select Time

Arrivals

Select Airline

Enter City (Defaulting to Chicago)

FIND YOUR FLIGHT »

Shanghai is waiting.
China Eastern - New Service to Shanghai.

Follow   

FLY CHICAGO

Earth Week Concludes with Lemmas and Burros and Bees - Oh My! CHICAGO April 22, 2016 Happy Earth Day! Sustainability is a top priority for the Chicago Department of Aviation (CDA) and its ... [Read more »](#)

[@fly2ohare](#) [@ChinaEasternNA](#)'s new route from ORD to Shanghai was awarded [@annaero](#)'s Route of the Week! <https://t.co/wHpE8HyG4Y> <https://t.co/h6jYk5fBXM> Apr 21

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To • chical

Number of passengers 1

Depart • 04/24/2016

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ORD - Chicago OHare International, IL

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AMERICAN AIRLINES

Choose Your **Departure Flight** **THU** **FRI** **SAT** **SUNDAY** **MON** **TUE** **WED**

Apr 21 Apr 22 Apr 23 Apr 24 from \$635 Apr 25 Apr 26 Apr 27

Lowest Fare from \$635 **Refundable** from \$811 **Business / First** from \$955

Flights	Departure	Arrival	Choice	Choice Essential	Choice Plus	First
131 	05:10 pm JFK	06:59 pm ORD	Not available online	Not available online	Not available online	Not available online
3169 	08:22 pm EWR	09:51 pm ORD	<input type="radio"/> \$697 3 Seats left	<input type="radio"/> \$755 3 Seats left	<input type="radio"/> \$857 3 Seats left	<input type="radio"/> \$955
Operated by Envoy Air As American Eagle						
4563 	05:20 pm LGA	07:28 pm DTW	Not available online	Not available online	Not available online	Not available online
Operated by Republic Airlines As American Eagle						
4329 	08:30 pm DTW	08:56 pm ORD				
Operated by Republic Airlines As American Eagle						

NYC to ORD
Sunday April 24, 2016

Shopping Cart

Your Round-Trip Price: \$0 USD

[Baggage and Optional Service Charges](#)

Flights **Hotels** **Flight + Hotel** **Cars** **Cruises** **Things to Do**

Flight + Hotel **Flight + Hotel + Car** **Flight + Car** **Hotel + Car**

Flying from

Flying to

Departing

Returning

☐ I only need a hotel for part of my stay

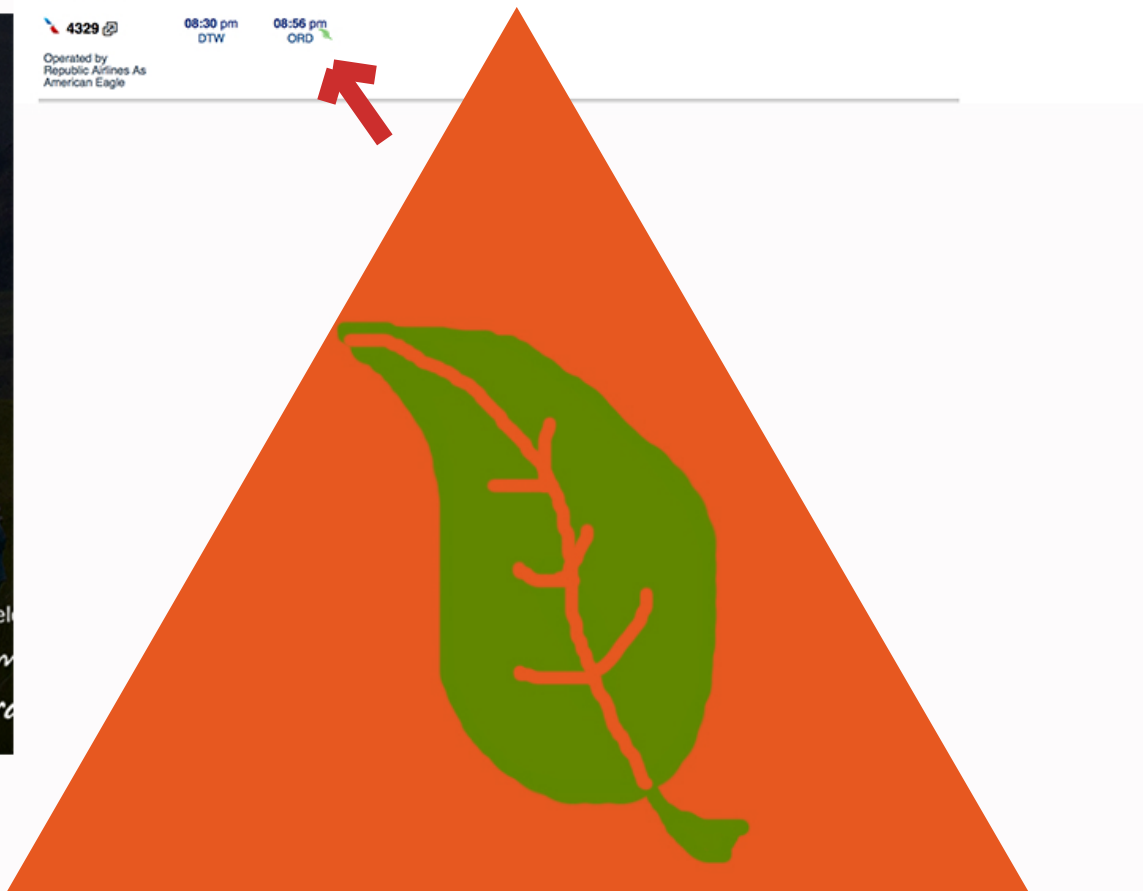
[Advanced options](#)

Economy/Coach

Search **Save up to \$605**
Book Flight + Hotel at the same time

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- Chico, CA
- Chicago Midway Airport (MDW), IL
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- Chiclayo, Peru
- Chicago Museum Campus, Chicago, IL

TRAVELOCITY



SELLING TO ORD

(FINAL PROJECT)

SUSTAINABLE AIRPORT INITIATIVES

DESIGNED FOR ORD AIRPORT

resources



- Sell less plastic water bottles, and offer reusable water bottles as alternative
- Hold a contest for drinking fountains to be redesigned.



- Have recycled chairs
- Then donate older chairs to community projects



- Cut back on paper tickets, by only allowing electronic passes.
- Make a digital copy of the passenger info page instead of paper



1:21 Gates M1-M5
Toilets



EXIT

Moving Walkway
Walk Stand



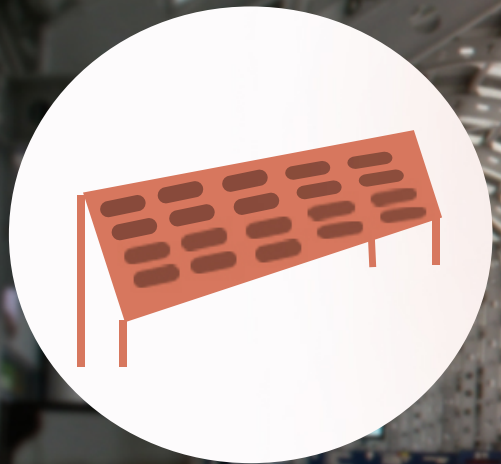
- Reduce their light energy with timers and sensors throughout the airport



- Use motion censored escalators.

SUSTAINABLE AIRPORT INITIATIVES

resources
DESIGNED FOR ORD AIRPORT



SUSTAINABLE AIRPORT INITIATIVES

DESIGNED FOR ORD AIRPORT
energy

- Use solar panel architecture instead of traditional panels to generate energy.
- Use windmills to also generate energy.
- Use the friction on the runways from the planes coming and going to use as renewable energy.



SUSTAINABLE AIRPORT INITIATIVES

integrate

- Embrace the opportunity for green walls.
 - Advertise O'Hare's aeroponic garden larger.

DESIGNED FOR ORD AIRPORT

Reason Why This Plan Should Be Pursued

Airports are generally a place of layovers, and repetition of bland ideas.
Chicago has the opportunity to not only embrace their artistic side, but also their green side.

- Lead an example for the airport industry into a collective, depart-to-arrival sustainable experience.
- Distinguish themselves from other airports in design and awareness.
- Encourage large businesses to think and challenge themselves to be more unconventionally green.
- Provide more employment (those inventing, designing, resourcing, marketing, constructing, and utilizing).
- Benefit the overall “natural”-like traveling experience.

So Basically...

Reducing waste externally is beneficial, but the wide opportunity for a wholesome makeover of airports' view towards waste is still at hand.

Airports are places that set the example of action and attitude of flyers, and when they contribute to the environment they are also elevating the importance towards the cause.

By making these series of changes and incorporations, the reduced amount of waste of energy and resources increases.

More specifically, this initiative can spark more revolutionary ideas with their sustainable group, SAM to inspire other airports to follow their green footsteps.