



distinguished sustainability lecture series

convened by:



Key lecture points from the Distinguished Sustainability Lecture Series

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John Mandyck

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United Technologies Corporation

John Mandyck serves as Chief Sustainability Officer for United Technologies Corporation. A global leader in the aerospace, food refrigeration and commercial building industries, United Technologies provides high-technology systems and services that set the standard for performance, reliability and energy efficiency, with well-known global brands such as Pratt & Whitney, UTC Aerospace Systems, Carrier and Otis.

John chairs the Corporate Advisory Board of the World Green Building Council, and serves as chairman of the Board of Directors for the Urban Green Council in New York City. He is a member of the Corporate Council at the Harvard University Center for Health and the Global Environment. He was appointed by the U.S. Secretary of Energy to co-chair the Department of Energy's Appliance Standards and Rulemaking Federal Advisory Committee. John is the co-author of the book *Food Foolish*, which explores the hidden connection between food waste, hunger and climate change. Throughout his career, John has worked with governments, universities and organizations to accelerate environmental sustainability in an increasingly urbanizing world. He has presented energy efficiency, sustainability and future of food strategies to audiences around the globe.

He blogs on sustainability issues at SustainabilityView.com and can be found on Twitter @JohnMandyck.

We're standing today in a green building revolution, with 47% of new commercial construction now green in the U.S.

For the first time in history, more people live in the city than in a rural setting.

By **2050** we'll have many more people, and **2/3** of all those people will live in the city.

People who live in cities use three times more energy than the people who live in rural settings. Urbanization is driving energy demand around the world.

In the United States we spend **28%** of our energy in transportation, **32%** of our energy in industry, but a full **40%** of our energy is in buildings.



In **2005**, green buildings represented just **2%** of the market. We concluded **2014** with green buildings representing **47%** of the market.

Green buildings are outstanding business decisions that lead to outstanding environmental incomes.

Water will be the new oil. Especially when you consider that of all the water on this planet, just **2.5%** is freshwater.

By 2025, **2/3** of all people on earth will live in a water-distressed region.

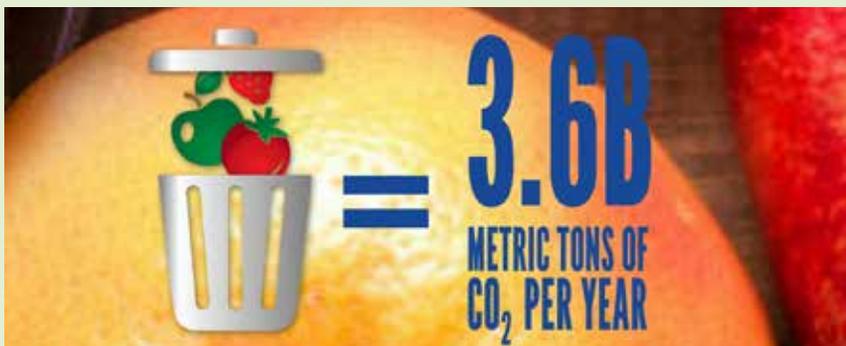


One in nine people do not have enough food.



If food waste was a country on its own, it would be the **third largest** emitter of greenhouse gas.

In the last 200 years, the absorption of CO₂ has increased the acidity in our oceans by **26%**, which is killing off the basic building blocks of life and food sources.



We are under stress with the most fundamental resource we have—food.

Globally, **1/3** of food for human consumption is wasted each year.

We produce enough food to feed **everyone** on the planet.

The carbon footprint of wasted food is about **3.3 billion metric tons of CO₂** per year.

UTC and Carrier are committed to connecting the global dialogue on climate change and world hunger.