# This presentation premiered at WaterSmart Innovations

watersmartinnovations.com





# Sustainability and Landscape Irrigation

# A **purpose**-driven company.

NETAFIM

#### Purpose

Helping the world grow more with less

#### Vision

As the world's leading irrigation company we will drive mass adoption of smart irrigation solutions to fight scarcity of food, water and land

#### Our values

Dare

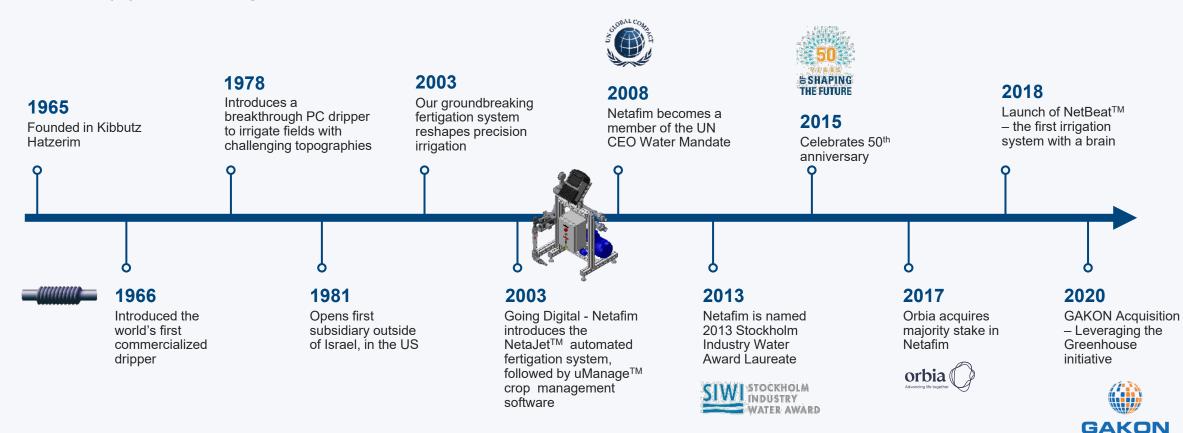
Make it happen

Create an impact

Partner for success

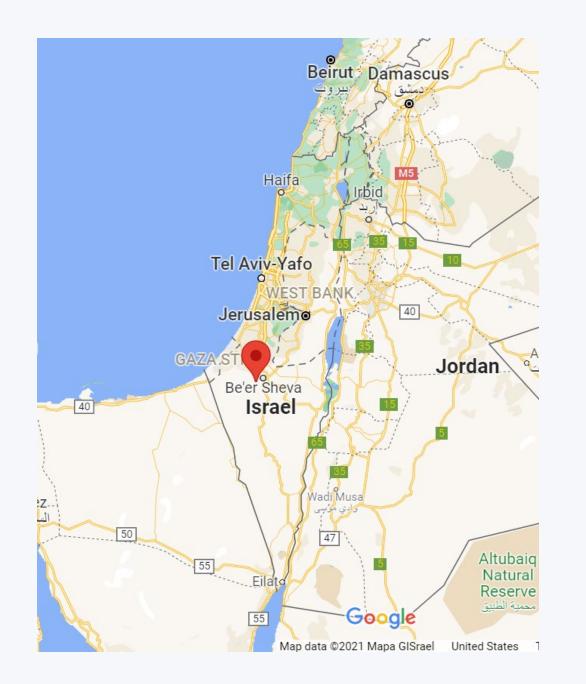
# Our history.

Over fifty years of irrigation innovation.









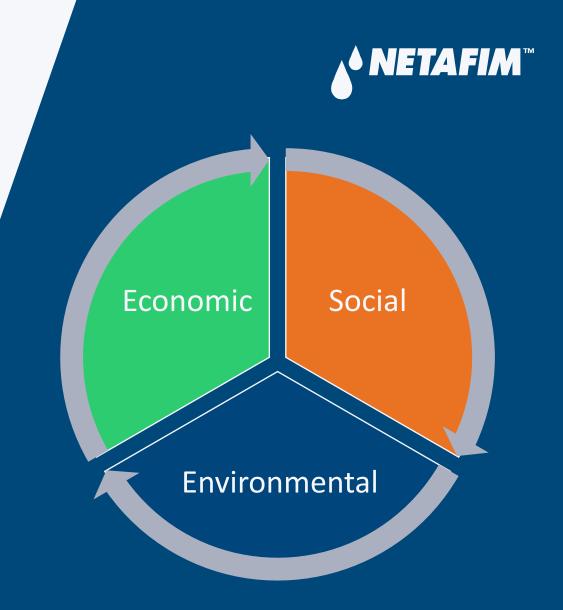






# What is Sustainability?











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# Sustainable Lifestyles

12

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### **12 WAYS TO LIVE MORE SUSTAINABLY**

Every day we make choices in our lives that affect the environment, the climate and other species. From what we eat to how many children we decide to have, there's a lot we can do to "choose wild" and reduce our environmental footprint to leave more room for wild animals and plants.

- 1. Think twice before shopping.
- 2. Make sure your big purchases have big environmental benefits.
- 3. Go #PlasticFree.
- 4. Boycott products that endanger wildlife.
- 5. Pay attention to labels.
- 6. Be water wise.
- 7. Drive less, drive green.
- 8. Green your home.
- 9. Choose Wild Energy.
- 10. Take Extinction Off Your Plate.
- 11. Choose to have a smaller family.
- 12. Use your voice and your vote.



www.biologicaldiversity.org

## **NETAFIM**<sup>™</sup>

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- 1 Why is Sustainable Living Urgent?
- 2 15 Ways You can Live Sustainably
  - 2.1 1. Go zero waste.
- 2.2 2. Be a minimalist.
- 2.3 3. Eat less meat.
- 2.4 4. Go vegan.
- 2.5 5. Choose to buy from sustainable sources.
- 2.6 6. Drive less.
- 2.7 7. Conserve energy.
- 2.8 8. Recycle better.
- 2.9 9. Be more self-reliant.
- 2.10 10. Buy used than new.
- 2.11 11. Entertain by low impact activities.
- 2.12 12. Volunteer.
- 3 Conclusion



# What is a Sustainable Landscape?

# Sustainable Landscape Design





## Sustainable Landscape Design

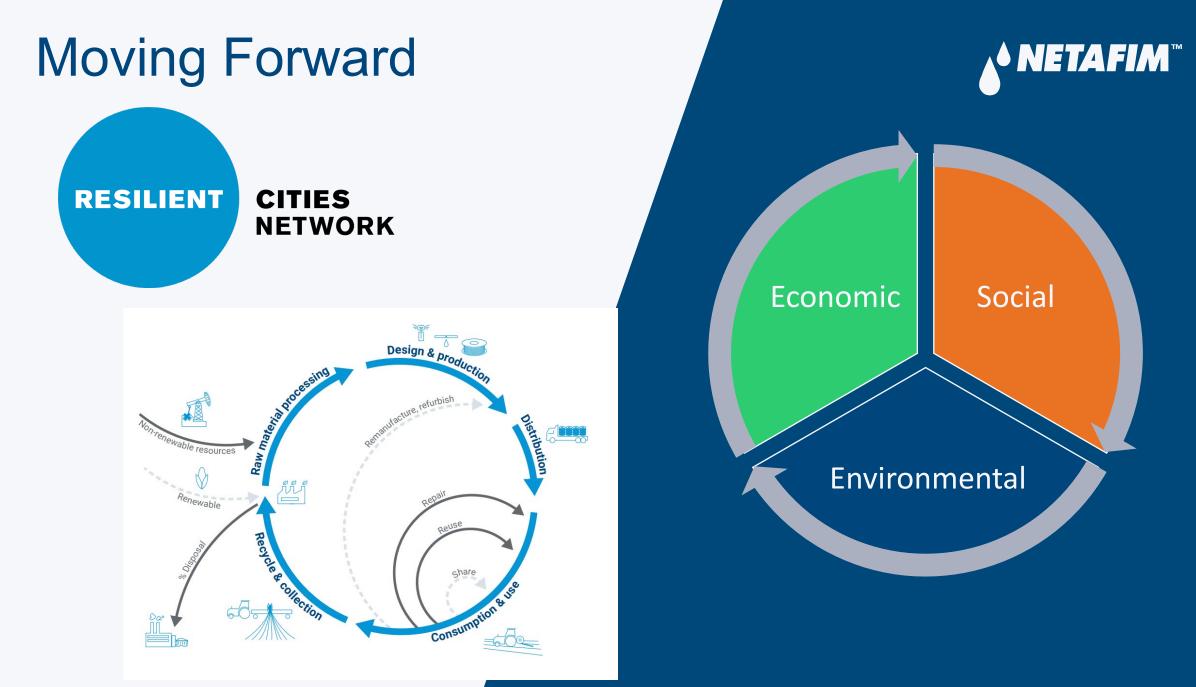




# Sustainable Landscape Design







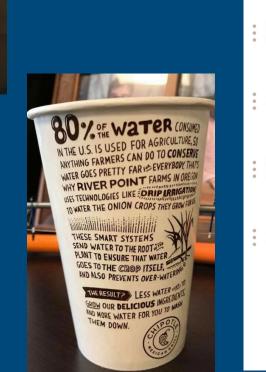


# Consumer Driven Sustainability

20



# CAN A BURRITO CHANGE THE WORLD?





12:32 4	
YOUR 2021 IMPACT	>
	500
Less Carbon in Atmosphere	<b>357.8</b> kilograms
<ul> <li>Supported</li> <li>Organic Land</li> </ul>	<b>1.1</b> acres
Less Antibiotics Used	<b>292.4</b> grams
<ul> <li>Gallons of</li> <li>Water Saved</li> </ul>	<b>1.7</b> gallons
Improved Soil Health	<b>24.8</b> acres
Based on your 1 order in 202 Metrics powered by <u>HowGoo</u>	
Learn about <mark>Real Foodprint</mark>	



## EPA CARBON FOOTPRINT CALCULATOR



#### **Carbon Footprint Calculator**

#### What is your carbon footprint?

Take a few minutes to find out with EPA's Household Carbon Footprint Calculator.

Number of people in your household

ZIP Code

Get Started



#### About

- · Many of our daily activities such as using electricity, driving a car, or disposing of waste cause greenhouse gas emissions. Together these emissions make up a household's carbon footprint.
- The calculator estimates your footprint in three areas: home energy, transportation and waste. Everyone's carbon footprint is different depending on their location, habits, and personal choices.
- · For an explanation of the calculator's assumptions and sources, see the Assumptions and References page.

#### How To

- You can get a quick, rough estimate of your carbon To work offline or see the formulas behind the footprint by using U.S. average values. They are provided (along with other useful information) in the "tool tips" throughout the calculator.
- For a more accurate estimate, use your own numbers. Gather your utility bills (electricity, natural gas, fuel oil, propane) to calculate your average use over a year. You can find your car's rated fuel efficiency at fueleconomy.gov, or you can calculate your car's actual efficiency.

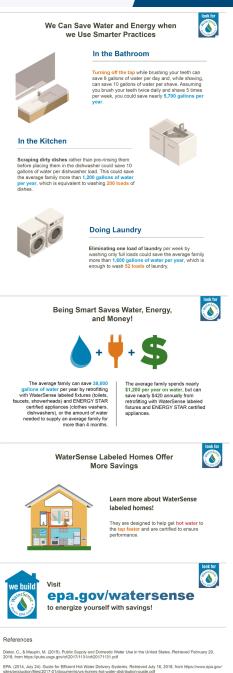
#### Download

calculator, you can download it as a spreadsheet. Calculator in Excel



	Home Energy	ý 🛸	Transportation		0	Waste
Home Energy						
[-] Your Current Emi	ssions from Home Energy					Your Carbon Footprint Annual CO <sub>2</sub> emissions (Ibs.) ①
Heating	What is your household's primary heating s		Select Source		•	Your Current Total:
Utility	Enter your average monthly bill or other da <i>Click the loans</i> , $\bigcap$ <i>below for each U.S. a</i>	ata for each source of energy your household uses. verage				New Total After
Natural Gas 🕦		Electricity ()	Fuel Oil ①	Propane (j)		Your Planned Actions: 0
Dollars	•	Dollars	Dollars	Dollars	•	U.S. Average*: 0
						"for a household of \$ people in Zip Code 21704
Estimated pounds of CO	0 lbs.	0 lbs.	0 lbs.	0 lb	<b>DS.</b>	Start Owe View Your Repo
	····					
[-] Reduce Your Emis	ssions ①					
() Free	Heating & Cooling	at (j)		\$0	Estimated Annual Savings 0 lbs of CO <sub>2</sub>	
Free	Turn up A/C thermostat in summer by Turn down heating thermostat on winter nights by	τ τ		\$0	0 lbs of CO <sub>2</sub>	
***	Ughting				Estimated Annual Savings	
5	Replace incandescent lightbulbs with ENERGY STAR (8) lights	Number of lights		\$0	0 lbs of CO <sub>2</sub>	
() Free	Power Source & Settings Enable the power management features on your computer	Choose One 🔻		50	Estimated Annual Savings 0 lbs of CO <sub>2</sub>	
\$	Increase your household Green Power usage by	% of your electricity		\$0	0 lbs of CO <sub>2</sub>	
٥	Washing & Drying	Choose One  Loads per Week			Estimated Annual Savings	
Free	Wash your clothes in <b>cold</b> water Use clothes line or drying rack instead of dryer	Choose One  All my Laundry		\$0 \$0	0 lbs of CO <sub>2</sub> 0 lbs of CO <sub>2</sub>	
	ENERGY STAR Products				Estimated Annual Savings	
\$\$	Replace the following products with ENERGY STAR models $(\hat{j})$ Refrigerator	Choose One 💌		\$0	0 lbs of CO <sub>2</sub>	
\$55	Furnace or boiler	Choose: One		\$0	0 lbs of CO <sub>2</sub>	
\$55	Windows	Choose One •		\$0	0 lbs of CO <sub>2</sub>	
					Continue to Transportation	





#### EPA. (2014). WaterSense New Home Specification. Retrieved 07 2018, from https://www.epa.gov/sites/production/ fites/2017-01/documents/ws-homes-spec.pdf

U.S. Energy Information Administration. (2015). Residential Energy Consumption Survey (RECS). Retrieved 2018, from https://www.ela.gov/consumption/residential/index.php

# Who is Driving Change?



 $\rightarrow$  Investors

→ Supply Chain

→ Customers

### Investors



CLIENT LOGIN V

#### Morgan Stanley

Our Insights	What We Do	About Us	Careers	Q

MEDIA RELATIONS

INVESTOR RELATIONS

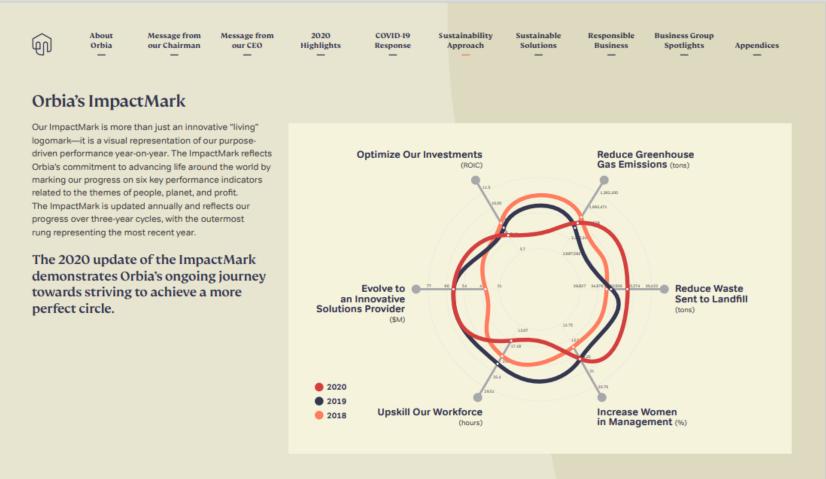
## Institute for Sustainable Investing

"For us at Morgan Stanley, it is abundantly clear that the solutions to global challenges can only achieve the required scale if they can attract a critical mass of private capital. To this end, we've established the Morgan Stanley Institute for Sustainable Investing to lead work across our firm, with our clients, and with academic institutions to help mobilize capital to sustainable enterprises, via global markets and the investors who drive them."

- James P. Gorman, Chairman and CEO, Morgan Stanley

### Investors

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# **Supply Chain**



#### REDUCING ENVIRONMENTAL IMPACT **GREENER PRODUCTS**

The Home Depot partners with our

Our products strategy reflects the understanding that our greatest environmental impact comes from the products we sell.

suppliers to address global environmental concerns related to our products, including carbon emissions, water scarcity, air quality, waste and more.

#### Eco Options

Our Eco Options program helps our customers identify products that have less of an impact on the environment and encourages our suppliers to provide more sustainable offerings. We launched Eco Options in 2007 in partnership with SCS Global Services, a leading, independent, third-party certification body that validates environmental claims.

For a product to receive Eco Options classification, the supplier must document attributes that prove it has less of an impact on the environment than comparable products in the same category. Until all industries create and abide by a reporting formula that measures product attributes according to a common sustainability standard, we will continue to use our Eco Options program to help customers sort through green product claims.



Our Chemical Strategy, first published in 2017 and detailed in this report, is an important part of our commitment to offer greener products. It guides our efforts to work with suppliers to reduce the indoor air quality impact of chemicals used in the products we sell. Its publication was a milestone made possible by what we had learned over a decade of focusing on sustainability.

+

DID YOU KNOW We estimate that Eco Options

product sales in 2019 helped reduce greenhouse gas emissions by nearly 7 million metric tons.



Products that qualify for our Eco Options program meet stringent criteria based on their impact in one or more of six key areas.



Energy Efficiency Save money and power

Water Conservation Help protect and preserve water

74 The Home Depot 2020 Responsibility Report



### Customers





As millennials and Generation Z become a more and more influential consumer group and employee demographic, the demand for sustainability and purpose is likely to increase.

► NETAFIM<sup>™</sup>

How can Water-**Use Efficiency** and Landscape **Professionals** Use **Sustainability** Movement?



# Sustainable Landscapes

- Lessons learned from agriculture – soil health, carbon, energy use
- →Right plant, right place
- →Water-use efficiency
- Sustainably sourced and manufactured (manufactured for end of life?)
- →Speak the language of sustainability







# Thank you

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