

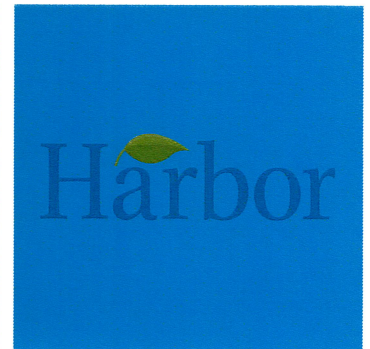
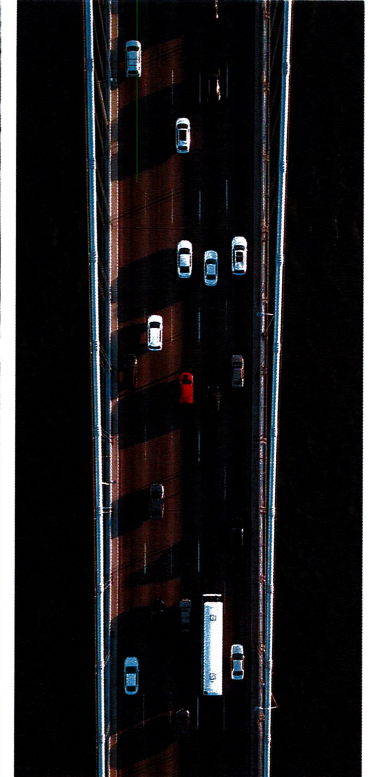
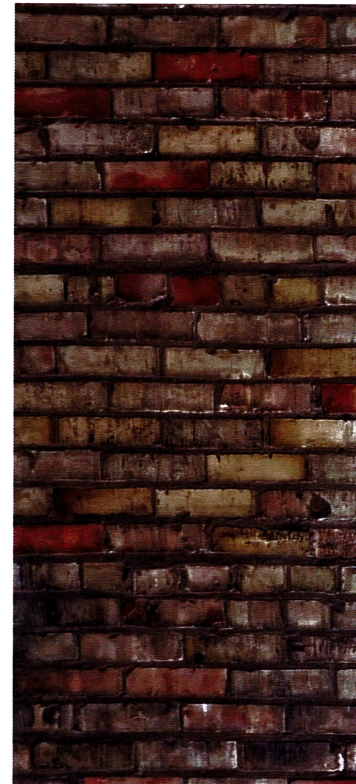
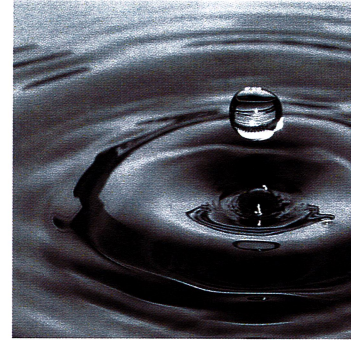


Arkansas
Environmental
Federation

Summer Webinar Series

Sustainability 101

Sponsored by Domtar





AGENDA

What is Sustainability?

How Did We Get Here?

Who is Driving?

Where Do I Start?

When Do I Set Goals?

What Else Can I Do With the Data?

Lessons Learned

sustainability

 [*suh-stey-nuh-bil-i-tee*] [SHOW IPA](#) 

noun

- 1 the ability to be sustained, supported, upheld, or confirmed.
- 2 ***Environmental Science.*** the quality of not being harmful to the environment or depleting natural resources, and thereby supporting long-term ecological balance:
The committee is developing sustainability standards for products that use energy.

What is Sustainability?



UN WORLD COMM. ON ENVIRONMENT AND DEVELOPMENT

Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.



ENVIRONMENTAL PROTECTION AGENCY

To pursue sustainability is to create and maintain the conditions under which humans and nature can exist in productive harmony to support present and future generations.



US DEPARTMENT OF AGRICULTURE

Farming systems that are "capable of maintaining their productivity and usefulness to society indefinitely. Such systems... must be resource-conserving, socially supportive, commercially competitive, and environmentally sound.



HARVARD BUSINESS SCHOOL

Sustainability in business generally addresses two main categories - the effect business has on the environment and on society. The goal of a sustainable business strategy is to make a positive impact on either one of those areas.

People want to do well and do good. They want to understand how they're making a difference in the world. Things change all the time, but your organization's purpose transcends any individual product or service.

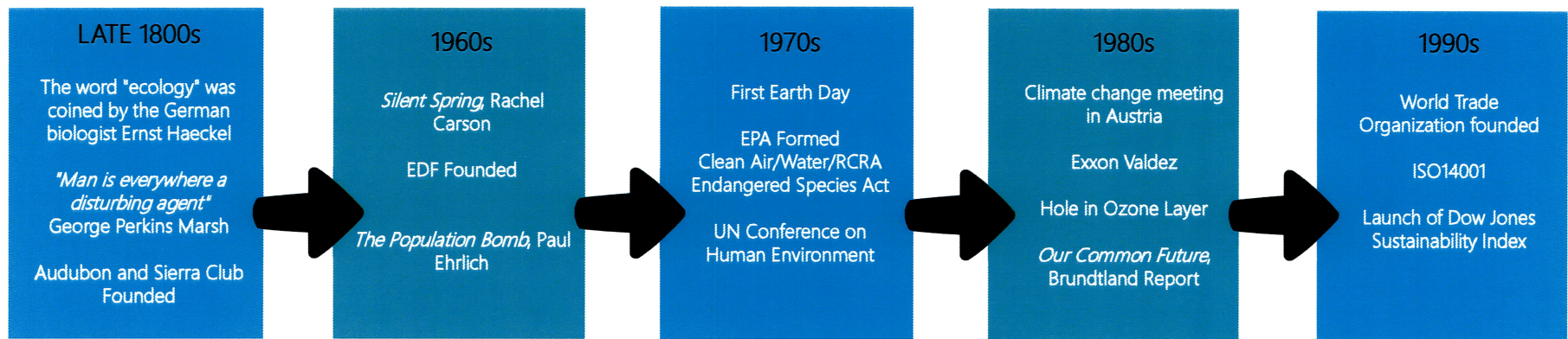
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Mark Weinberger,
former CEO, Ernst & Young

How did we get here?



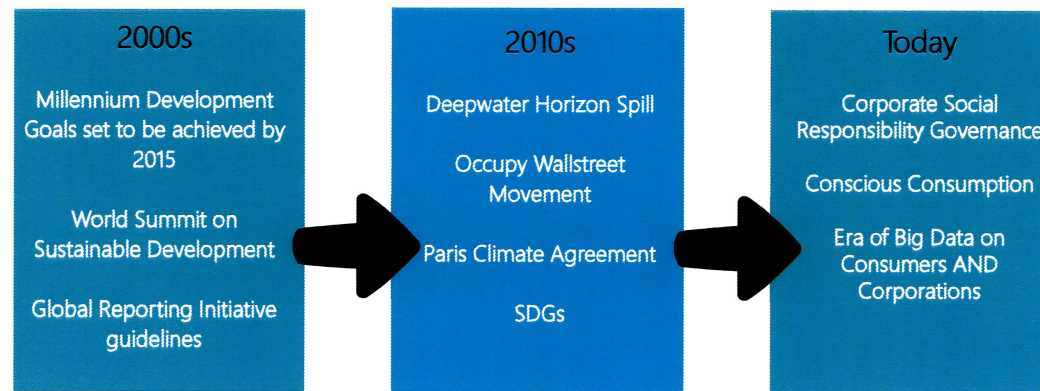
A sustainability focus in business didn't happen overnight, even though it sometimes feels like it did.



How did we get here?



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Who's driving ACTION?



Stockholders

- Personal beliefs and opinions hitting the Board Room
- Part of "corporate citizenship"
- Impacts tied to company value



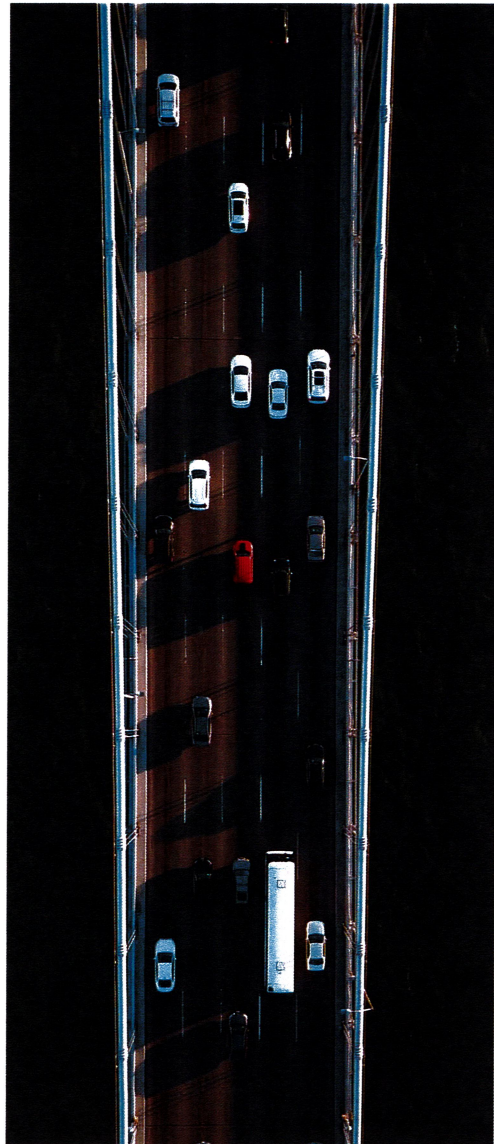
Customers and Consumers

- Supplier Questionnaires (Walmart Project Gigaton)
- Preference based on Scope 3 impacts
- Consumers buying to reduce personal impact
- Social issues - animal care, community relationships, etc.



Employees

- Do well, do good
- 40% of millennials have already chosen a job based on sustainability performance of the company
- 70% say they would stay with a company if it had a strong sustainability plan (Fast Company, 2019)



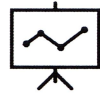
<https://www.walmartsustainabilityhub.com/project-gigaton>

ProjectGigaton™

[walmartsustainabilityhub.com](https://www.walmartsustainabilityhub.com)



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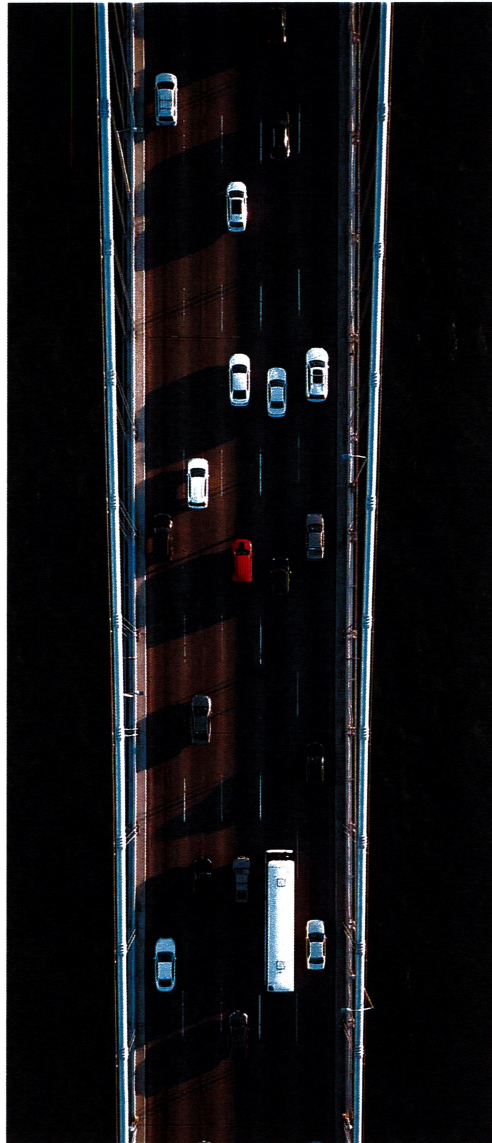
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https://youtu.be/uRgJ-22S_Rs

GREAT BIG STORY

Who's driving METHODOLOGY?



Global Reporting
Initiative



Carbon Disclosure
Project



World Resources
Institute



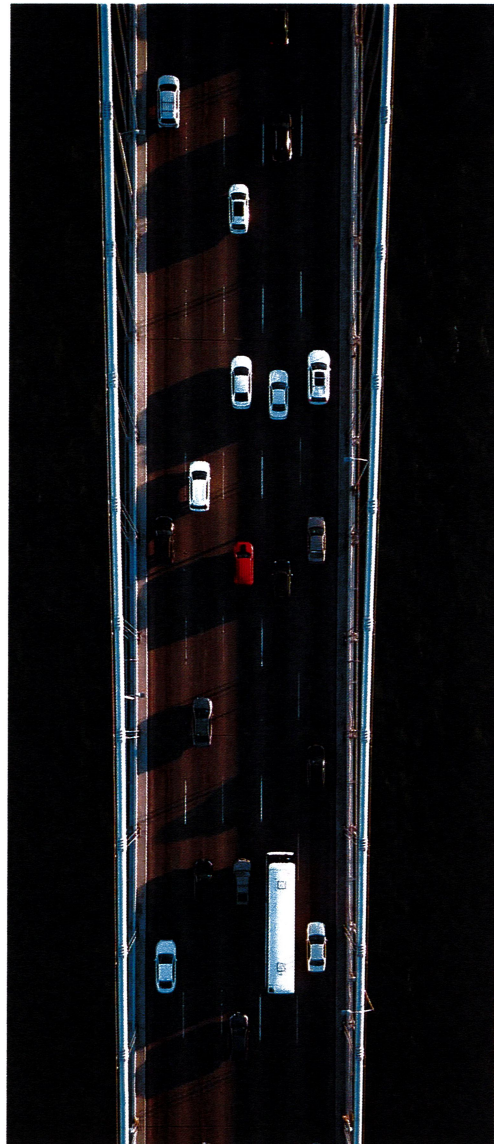
Intergovernmental
Panel on Climate
Change



Sustainable
Development Goals



Government Agencies
(especially outside US)





<https://youtu.be/0XTBYMfZyrM>

SUSTAINABLE DEVELOPMENT GOALS



Who's driving?



Global Reporting
Initiative



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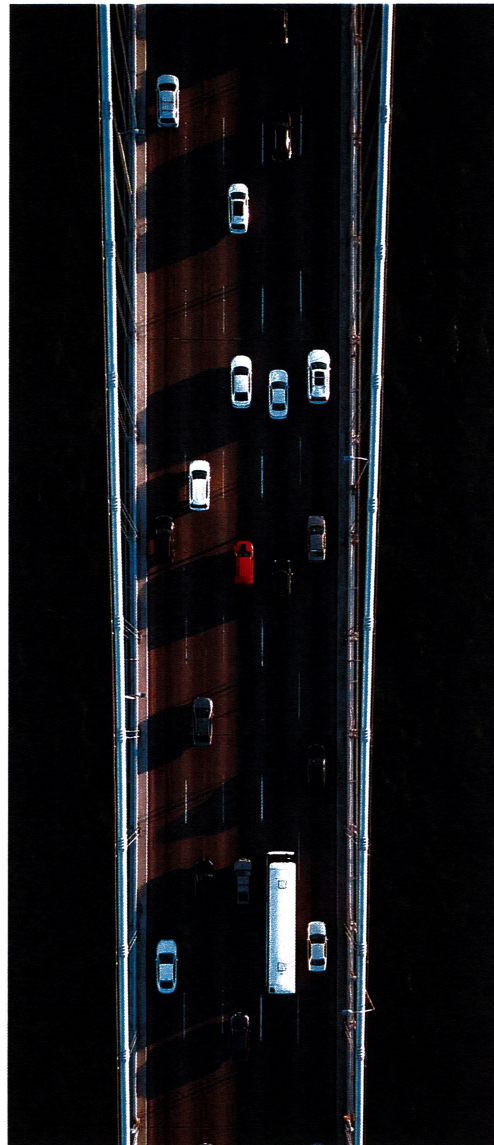
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Government Agencies
(especially outside US)



Where Do I Start?





#1

MANAGEMENT

- *Do your homework and have a plan.*
 - *Sustainability reporting is a long-term commitment that requires thought and understanding.*
 - *Success will require a financial commitment in the form of hours or tools. Be prepared.*
 - *Assess your competitor's position ahead of time. Who? What? and How?*
 - *Understand the level of commitment across the organization as a whole.*
 - *Get a partner - internal or external.*
-



#2 EMPLOYEES

- *Opportunity to "do good" in their job.*
 - *Educate. Teach. Train. Early and often.*
 - *You need doers and dreamers in the process.*
 - *Involvement improves adoption/ acceptance of any program.*
 - *Building excitement for the program will get you through the tedious times.*
 - *Employees will be doing the hard part...collecting data.*
 - *Potential recruiting tool.*
-



#1

INITIATIVES

- *What are your company values and mission statement?*
 - *What do you want to be known for or what are you ALREADY known for?*
 - *Start with areas of your greatest impacts.*
 - *Understand and define reporting boundaries.*
 - *Initiatives drive metrics.*
 - *Carbon footprint/GHG Emissions*
 - *Energy-Generation Mix*
 - *Water Use/Pollution/Waste Generation*
 - *Employee Injury Rates*
 - *Community Volunteer Hours*
-



#2 DATA/METRICS

- *What inputs do you need for each defined metric?*
 - *What industry standards have already been defined?*
 - *There is much to be learned about your company and processes during data collection.*
 - *Sometimes you can't get from Point A to Point B with the data you have.*
 - *Create SOPs and guidance for what information is necessary.*
-

UNILEVER SUSTAINABLE LIVING PLAN: PROGRESS IN 2019

The Unilever Sustainable Living Plan sets out to decouple our growth from our environmental footprint, while increasing our positive social impact.

Our Plan has three big goals to achieve, underpinned by nine commitments and targets spanning our social, environmental and economic performance across the value chain. We will continue to work with others to focus on those areas where we can drive the biggest change and support the UN Sustainable Development Goals (SDGs).

More detail on our progress can be found in our online Sustainable Living Report 2019 at www.unilever.com/sustainable-living.

IMPROVING HEALTH AND WELL-BEING FOR MORE THAN 1 BILLION

By 2020 we will help more than a billion people take action to improve their health and well-being. We have helped 1.3 billion people take action to improve their health and well-being.

Contributing to the following SDGs:



REDUCING ENVIRONMENTAL IMPACT BY HALF

By 2030 our goal is to halve the environmental footprint of the making and use of our products as we grow our business.*

Our green House use and other products have increased and waste impact per consumer unit has reduced since 2010.

Contributing to the following SDGs:



ENHANCING LIVELIHOODS FOR MILLIONS

By 2020 we will enhance the livelihoods of millions of people as we grow our business. We have enhanced the livelihoods of 1.81 million people.


Contributing to the following SDGs:



HEALTH AND HYGIENE

By 2020 we will help more than a billion people to improve their health and hygiene. This will help reduce the incidence of life-threatening diseases like diarrhoea.

1.3 BILLION people reached by end 2019



- Reduce diarrhoeal and respiratory disease through handwashing
- Provide safe drinking water
- Improve access to sanitation
- Improve oral health
- Improve self-esteem
- Help improve skin health

NUTRITION

We will continually work to improve the taste and nutritional quality of all our products. The majority of our products meet, or are better than, benchmarks based on national nutritional recommendations. Our commitment goes further: by 2020 we will double the proportion of our portfolio that meets the highest nutritional standards, based on globally recognised dietary guidelines. This will help hundreds of millions of people to achieve a healthier diet.

56% of our portfolio by volume met highest nutritional standards in 2019



- Reduce salt levels
- Saturated fat:
 - Reduce saturated fat
 - Increase essential fatty acids
 - Reduce saturated fat in more products
- Remove trans fat
- Reduce sugar
- Reduce calories:
 - In children's ice cream
 - In more ice cream products
- Provide healthy eating information

GREENHOUSE GASES

Our products' lifecycle: Halve the greenhouse gas (GHG) impact of our products to reduce the lifecycle by 2030.

+2% our greenhouse gas impact per consumer use has increased by around 2% since 2010*

Our manufacturing: By 2020 CO₂ emissions from energy from our factories will be at or below 2008 levels despite significantly higher volumes.

-65% reduction in CO₂ from energy per tonne of production since 2008



Become carbon positive in manufacturing:

- Source all energy renewably
- Source grid electricity renewably
- Eliminate coal from energy mix
- Make surplus energy available to communities

Reduce GHG from washing clothes:

- Reformulation
- Reduce GHG from transport
- Reduce GHG from refrigeration
- Reduce energy consumption in our offices
- Reduce employee travel


WATER

Our products in use: Halve the water associated with the consumer use of our products by 2020.

+1% our water impact per consumer use has increased by around 1% since 2010*

Our manufacturing: By 2020 total water abstraction by our global factory network will be at or below 2008 levels despite significantly higher volumes.

-47% reduction in water abstraction per tonne of production since 2008



Reduce water use in the laundry process:

- Products that use less water
- Reduce water use in agriculture

WASTE

Our products: Halve the waste associated with the disposal of our products by 2020.

-32% our waste impact per consumer use has reduced by around 32% since 2010*

Our manufacturing: By 2020 total waste sent for disposal will be at or below 2008 levels despite significantly higher volumes.

-96% reduction in total waste per tonne of production since 2008



Reduce waste from manufacturing:

- Zero non-hazardous waste to landfill
- Reusable, recyclable or compostable plastic packaging
- Reduce packaging
- Increase recycling and recovery rates
- Increase recycled content
- Tackle sachet waste
- Eliminate PVC

Recycle packaging:

- Increase recycling and recovery rates
- Increase recycled content
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Reduce office waste:

- Recycle, reuse, recover
- Reduce paper consumption
- Eliminate paper in processes

SUSTAINABLE SOURCING

By 2020 we will source 100% of our agricultural raw materials sustainably sourced by end 2019.

62% of agricultural raw materials sustainably sourced by end 2019



- Sustainable palm oil
- Paper and board
- Soy beans and soy oil
- Tea
- Fruit
- Vegetables
- Cocoa
- Sugar
- Sunflower oil
- Rapeseed oil
- Dairy
- Fairtrade Ben & Jerry's
- Cage-free eggs
- Increase sustainable sourcing of office materials

FAIRNESS IN THE WORKPLACE

By 2020 we will advance human rights across our operations and extended supply chain.

70% of procurement spend through supplier's meeting our Responsible Sourcing Policy's Mandatory Requirements

We continued to embed human rights, focusing on 8 salient issues in our Human Rights Report

Our Total Recordable Frequency Rate for safety reached 0.71 per million hours worked



- Implement UN Guiding Principles on Business and Human Rights
- Source 100% of procurement spend in line with our Responsible Sourcing Policy
- Create framework for fair compensation
- Improve employee health, nutrition and well-being
- Reduce workplace injuries and accidents †

OPPORTUNITIES FOR WOMEN

By 2020 we will empower 5 million women.

2.34 MILLION women enabled to access initiatives aiming to promote their skills or expand their opportunities




- Build a gender-balanced organisation with a focus on management
- Promote safety for women in communities where we operate
- Enhance access to training and skills
- Expand opportunities in our retail value chain

INCLUSIVE BUSINESS

By 2020 we will have a positive impact on the lives of 5.5 million people.

793,000 smallholder farmers and 1.81 million small-scale retailers



- enabled to access initiatives aiming to improve agricultural practices or increase incomes
- Improve livelihoods of smallholder farmers ‡
- Improve incomes of small-scale retailers ‡

KEY

- ✓ Achieved by target date
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* Our environmental targets are expressed on a per consumer use basis. This means a single use portion or serving of a product.

† In seven water-scarce countries representing around half the world's population.

‡ Freshwaterhouse Coopers (FwC) advised. For details see the basis of preparation, see www.unilever.com.



#1

ACCURACY

- *Define how the data should be gathered at a corporate and a site level.*
 - *Spreadsheets are from the devil.*
 - *Document everything and audit, audit, audit, if you can.*
 - *If you are benchmarking against industry or competitor levels, try to understand their methodology.*
 - *Gaps happen. Understand what they are and why they happened.*
-



#2

PROGRESS

- *You will learn things in the baseline year.*
 - *Your ability to capture data will improve with understanding of the initiatives and metrics.*
 - *Schedule a review and approval process prior to any communication of metrics.*
 - *Adapt to the limitations of your data.*
 - *Educate your employees on their personal impact to the metrics.*
 - *Celebrate your wins...everyone starts somewhere.*
-

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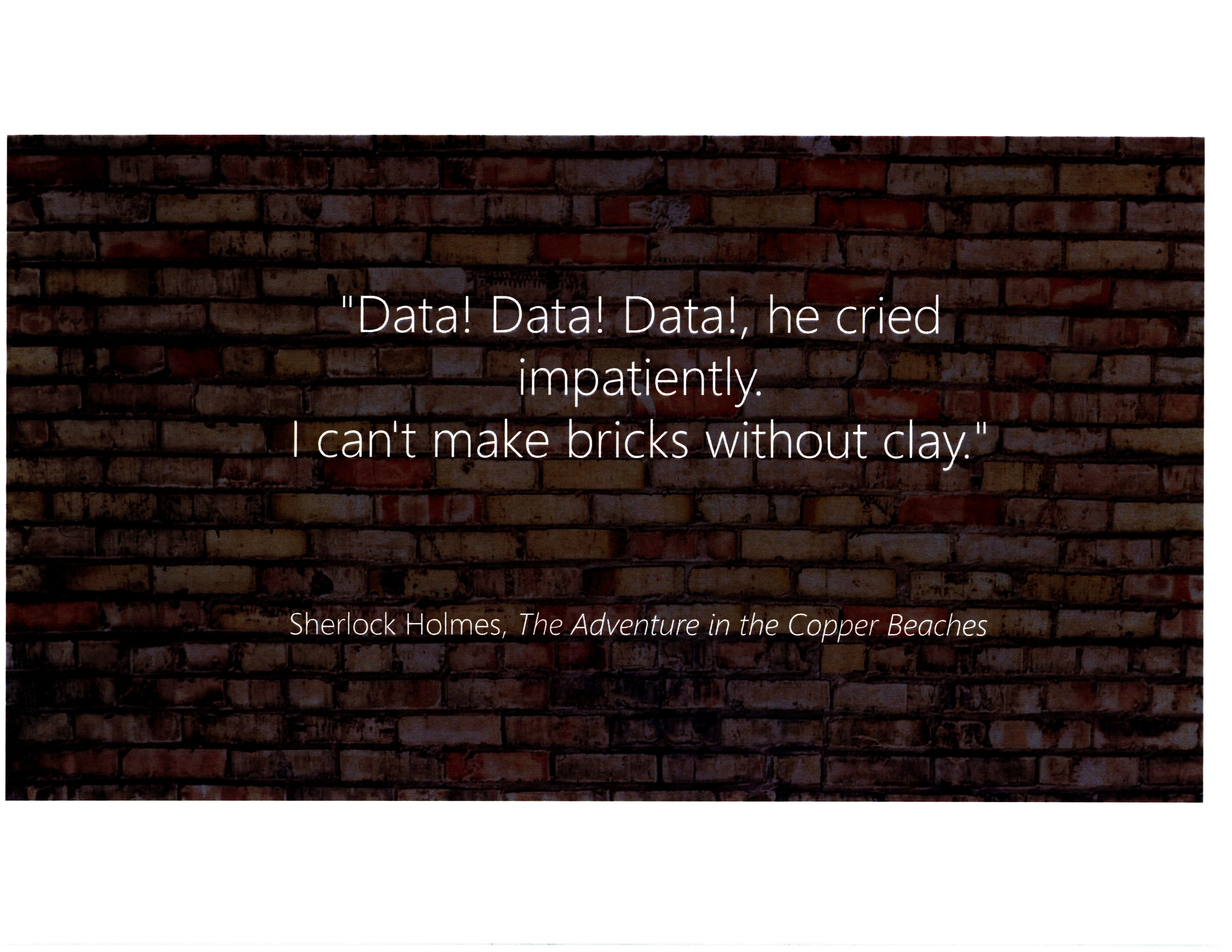
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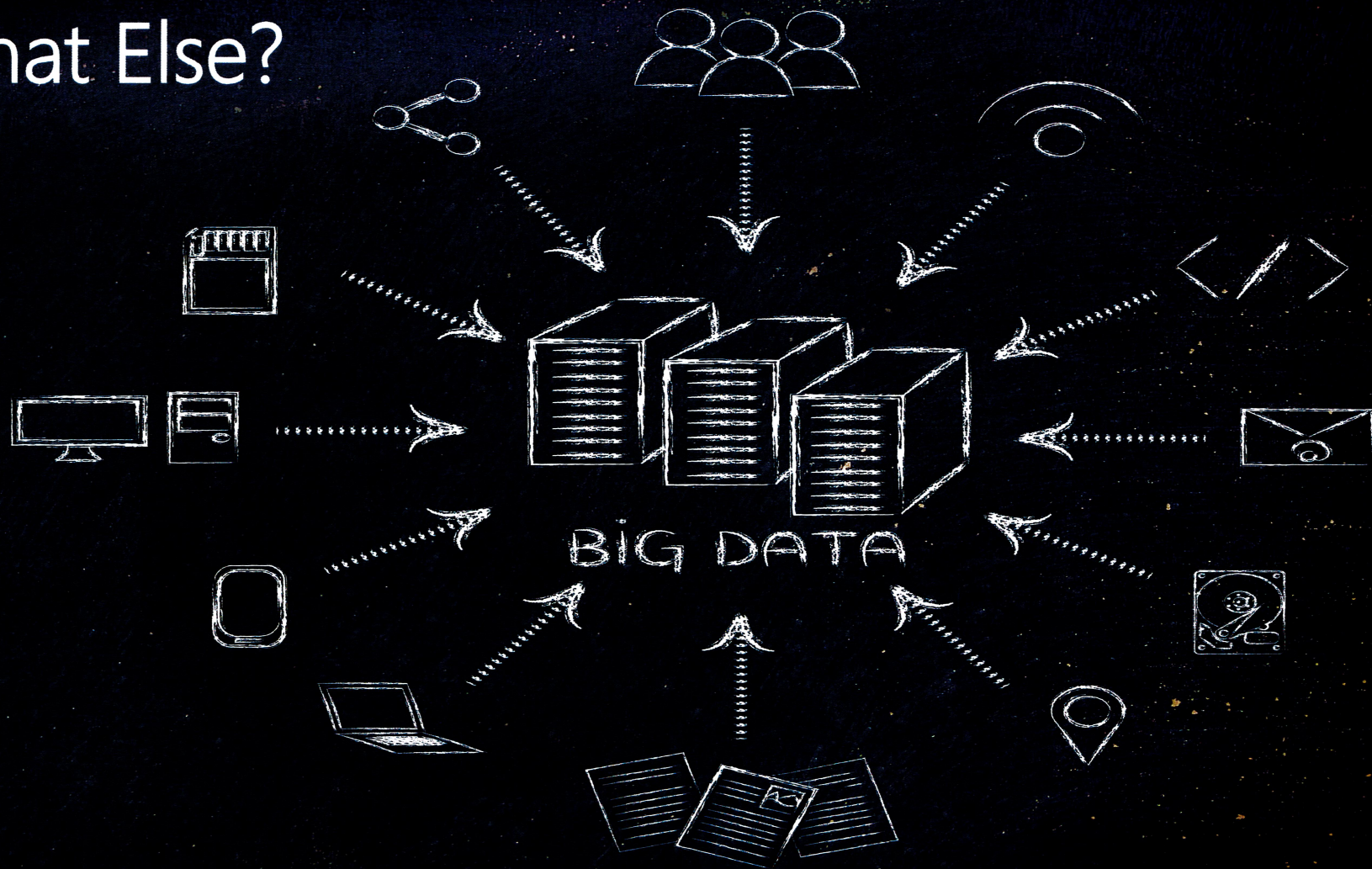
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¹ In seven water-scarce countries representing around half the world's population.
² Private household Coopers (PwC) approved. For details see the basis of preparation, see www.unilever.com.



"Data! Data! Data!, he cried
impatiently.
I can't make bricks without clay."

Sherlock Holmes, *The Adventure in the Copper Beaches*

What Else?



What Else?

Energy Efficiency
Projects

Customer Surveys

Employee
Communications

Marketing

Industry Associations

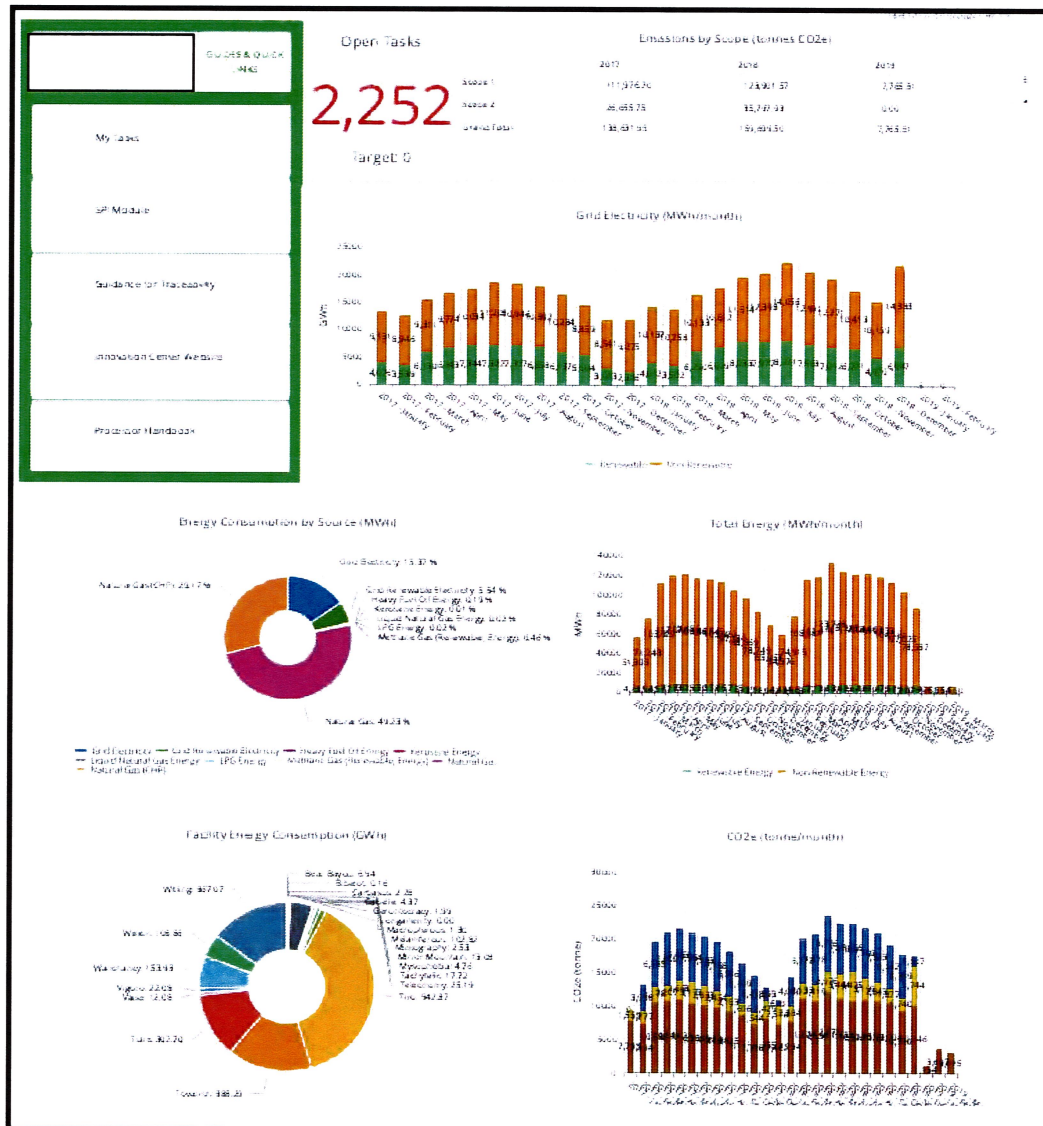
Capital Planning

Facility Comparisons

Engineering Projects

Regulatory Reports

Incentive Programs





600 AURORA TEAM — ACHIEVES ZERO LANDFILL

ENS
ENVIRONMENTAL
NUTRITION

SUSTAINABILITY
ZERO LANDFILL

GOAL: Zero Landfill at all Manufacturing Sites by December 2018

SUCCESS! - All Manufacturing Sites Zero Landfill effective September 2018

Waste Minimization Strategy

Glaxo Performance Nutrition (GPN) is committed not only to reducing the total amount of waste generated but also finding the most environmentally-friendly method of disposal. GPN sites use the following waste management hierarchy when planning disposal.

WASTE MANAGEMENT METHODS

- Recycling
- Reuse/Recovery
- Composting
- Waste to Energy
- Incineration

- Using a waste material to manufacturing a new product.
- Using a material again, either for its original or similar purpose, without significantly altering the physical form of the material. This activity may occur on-site or at off-site facilities.
- Biological decomposition of organic materials in soil amendment.
- Generating energy from...

COMPLETED

Lessons Learned



Mandatory reporting
is coming...

If not by our regulators,
then by our customers
and consumers



Enlist help when you
can...

Just Googling it is like drinking
from a fire hose. You will waste
valuable time trying to develop
your strategy.



Develop a system that
can grow with you.

Guidance documents, SOPs,
protected spreadsheets; formal
EHSQ software, etc.



Arkansas
Environmental
Federation

Summer Webinar Series

Questions?

Leslie Davis

Harbor

501.663.8800

ldavis@harborenv.com

