# An Introduction to Carbon Accounting & Reporting using SmartWay Data

# US Environmental Protection Agency and Carbon Disclosure Project September 17, 2014





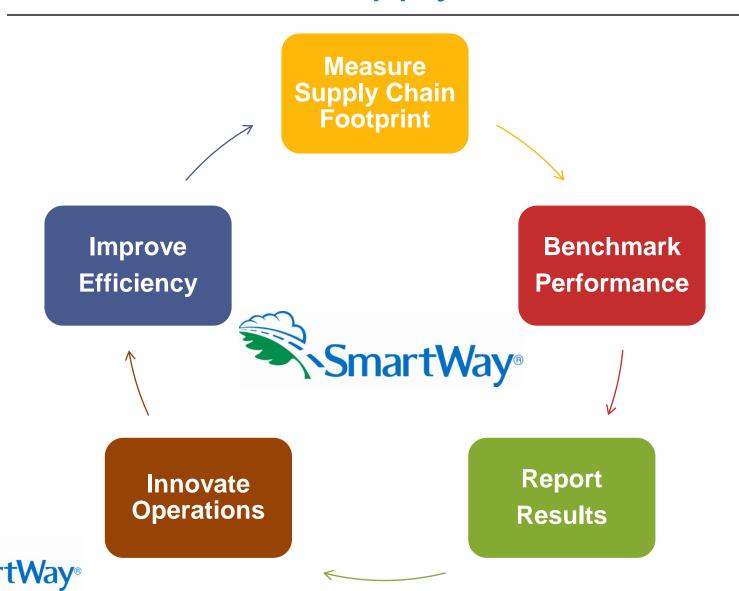


## Introductions

- Buddy Polovick, EPA SmartWay Team Lead
- Ashlyn Gurley, EPA SmartWay ORISE Fellow
- Christina Copeland, CDP Disclosure Services
- Kate Broderick, CDP Disclosure Services



# How to Address Supply Chain Carbon



# Continuum of CSR Engagement



**Creating Value** 

Risk Management

Philanthropy and Public Relations



# Carbon Disclosure and Transparency

Shareholder Resolutions Spur U.S. Companies to Act on Sustainability During 2012 Proxy Season



110 Shareholder Resolutions Related to Climate Change and Fossil Fuel Use Yield Strong Results During 2013 Proxy Season

Investors win company commitments to address flaring and fracking; carbon bubble and methane emission resolutions win strong support

#### Key stats and ratios

	Q2 (Jun '14)	2013
Net profit margin	0.72%	3.43%
Operating margin	-1.19%	3.16%
EBITD margin	-	8.11%
Return on average assets	0.65%	3.38%
Return on average equity	1.95%	11.54%
Employees	219,000	- 5
CDP Score	2	100 A-

"Used to have a difficult time finding data, now wading through data...however we do often check SmartWay membership and data to determine supply chain sustainability."



## Disclosure Standards







# Using SmartWay data for CDP reporting

Page: 14. Scope 3 Emissions

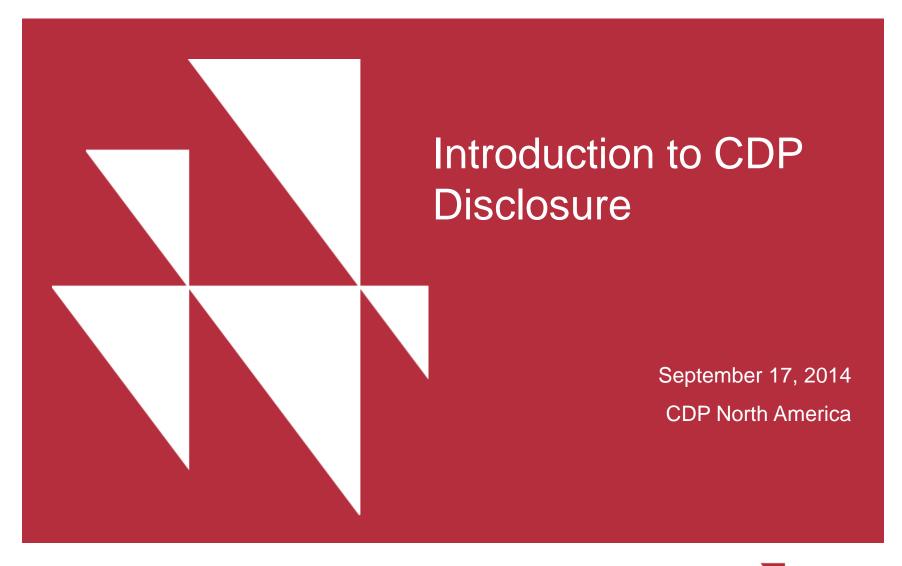
14.1

Please account for your organization's Scope 3 emissions, disclosing and explaining any exclusions

Sources of Scope 3 emissions	Evaluation status	metric tonnes CO2e	Methodology	Percentage of emissions calculated using primary data	Explanation
Purchased goods and services					
Capital goods					
Fuel-and-energy-related activities (not included in Scope 1 or 2)					
Upstream transportation and distribution	Relevant, calculated	676096	2010 US EPA Smartway Program Partnership methodology		

1	Upstream transportation and distribution	Relevant, calculated	274962	This data includes: 1) 50% of our North America EPA SmartWay Transport Partner emissions, provided by that regulator, and allocated by us for inbound North America truck, van and intermodal transport modes and corrected to include 9% of our North America miles driven by non-SmartWay carries. Specific emissions factors provided by the EPA include 1730 g CO2/mile for trucks, 1,706 g CO2/mile for intermodal, and 2,007 g CO2/mile for vans. 2) 109% of inbound for intermodal, and sea transport, using the above specific EPA emissions factors for truck and intermodal transport and an EPA emissions factor of 549 g CO2/mile for sea transport.	100%	Each year EPA models our NA emissions based on carrier-provided fuel efficiency data and miles driven data to model our NA emissions. specific emissions factors for NA logistics and distribution network are applied to transport data provided by the regional Director of Transportation for that region.
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- Introduction to CDP
- **▼** Why Disclose?
- **▼** CDP Programs
- **▼** Climate Questionnaire Overview
- Resources and Getting Started

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#### **Kaitlin Broderick**

Sector Lead, Disclosure Services

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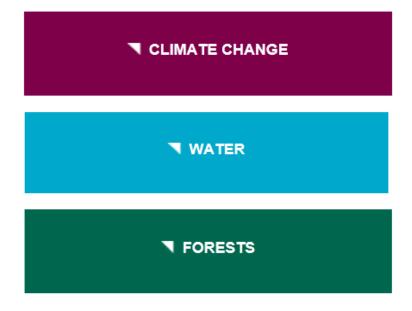
#### **CDP Mission**





N CDP is an international, notfor-profit organization providing the only global system for companies and cities to measure, disclose, manage and share vital environmental information.

CDP has 501(c)3 charitable status in the U.S.

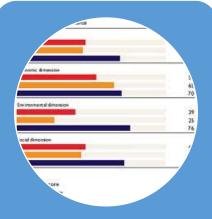




## Why Disclose?



Disclosure process improves performance



Benchmarking accelerates learning



Data informs investment and procurement analysis and engagement



## Why Disclose?



what the X-ray was to the thenfuture of medicine — without it,
we would never have seen the
Christiana Figueres
insides Framework Convention on Climate
Change (UNFCCC)



Signatory Investors and Corporate Purchasers



**Signatory Investors and Corporate Purchasers** 

**Environmental Information and Data** 



Corporations

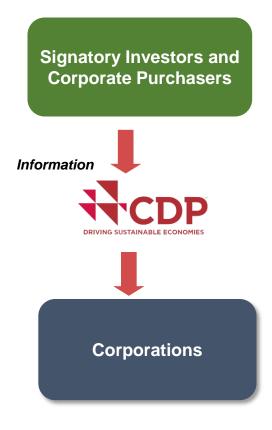


Signatory Investors and Corporate Purchasers

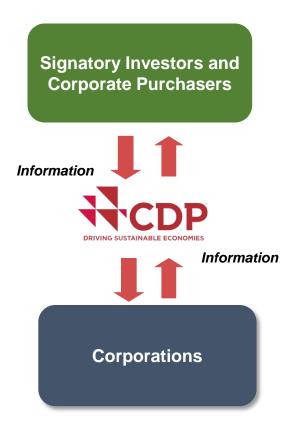


Corporations











## **CDP Investor Program**



## **CDP Investor Program**





#### **CDP Investor Program**



**CDP Supply Chain Program** 



### **CDP Investor Program**



## **CDP Supply Chain Program**













# **How CDP Works CDP Investor Program BARCLAYS AVIVA** HSBC (X) **CDP Supply Chain Program DIAGEO** Coca Cola. **PEPSICO** Save money. Live better.



**CDP Investor Program** 







DRIVING SUSTAINABLE ECONOMIES



**CDP Supply Chain Program** 



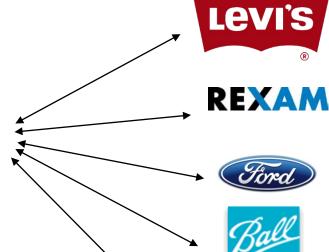








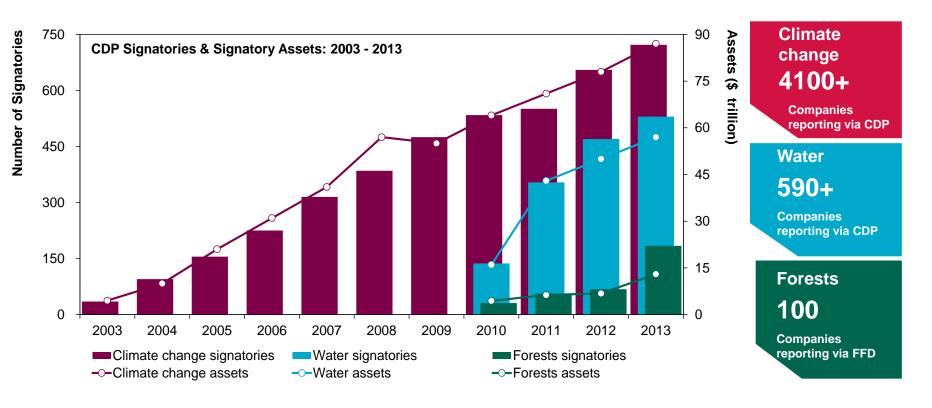
One response per company regardless of number of requests







#### **Investor Interest**





#### **Corporate Purchaser Interest**



"In 2011, 50% of our major suppliers signed up to the CDP, and our target is to increase our supplier response rate to 80% by 2015".



Asking suppliers to set a intensity target of 5% for suppliers Scope1 & 2



Walmart plans to eliminate 20 million metric tons of greenhouse gas emissions from their global supply chain by the end of 2015

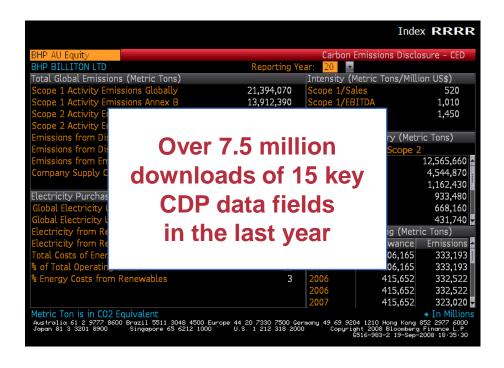


#### **CDP Data Use**





#### **CDP Data Use**





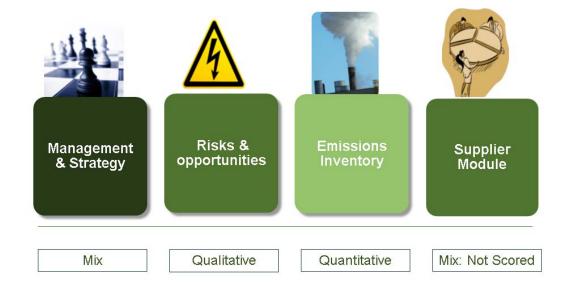
"The CDP reporting framework has helped us both as a respondent and a signatory, to improve our understanding of the strategic risks and opportunities in this area." – **HSBC** 

"Analysis on a comparable basis is vital to assess a company's management of ESG issues. CDP is a valuable tool for analysis of climate change related aspects of environmental performance."

- Goldman Sachs



## **Climate Change Information Request**









- **14 questions**
- Qualitative & quantitative
- Nain areas:

- 1) Management
- 2) Risks & opportunities
- 3) Emissions & energy reporting

Example: Management

Is climate change integrated into your business strategy?\*

- ✓ Yes: please describe
- ✓ No: please explain

\* Both responses can earn full credit for disclosure



- **14 questions**
- Qualitative & quantitative
- Nain areas:

- 1) Management
- 2) Risks & opportunities
- 3) Emissions & energy reporting

#### Example: Risks & Opportunities

- Have you identified any climate change risks that have the potential to generate a substantive change in operations, revenue or expenditure?\*
  - ✓ Yes: regulatory, physical, other
  - ✓ No: please explain

\* Both responses can earn full credit for disclosure



- **14 questions**
- Qualitative & quantitative
- Nain areas:

- 1) Management
- 2) Risks & opportunities
- 3) Emissions & energy reporting

#### Example: Emissions & energy reporting

Please state how much fuel, electricity, heat, steam and cooling in MWh your organization has purchased and consumed during the reporting year.\*

Energy Type	MWh
Fuel	
Electricity	
Heat	
Steam	
Cooling	

<sup>\*</sup>All numeric responses can earn full credit for disclosure

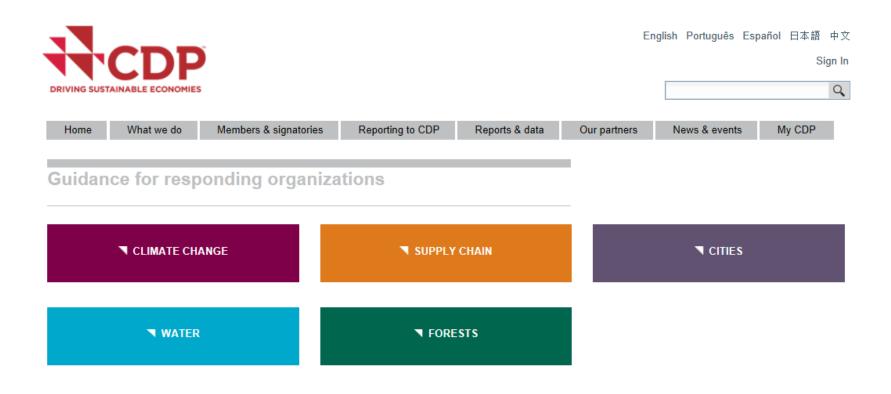


# **Common Concerns**

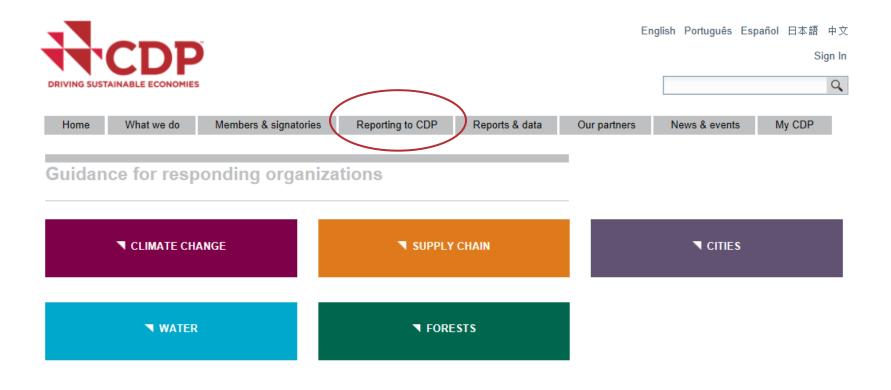




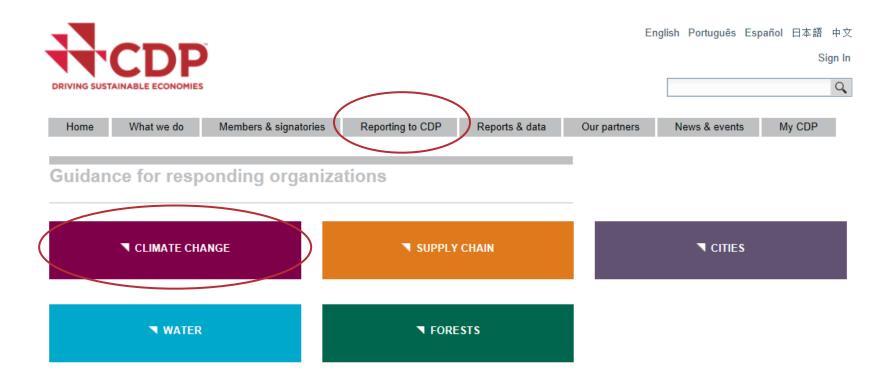
# Free Support Available: www.cdp.net/guidance













Guidance on responding	Scoring information



#### Guidance on responding

Climate change guidance document
Using the Online Response System (ORS)
Guidance for first time responders

Climate change reporting roadmap

Company Guidance on Carbon Action

Climate change drafting document

Changes document for 2015

Responding tips

#### **Scoring information**



#### Guidance on responding

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Changes document for 2015

#### Scoring information

#### 2015 scoring methodology

Introduction to climate change scoring (webinar)
Understanding the scoring methodology (webinar)



Responding tips

■ Example: Did you have an emissions reduction target that was active in the reporting year?

Number	Question	Disclosure Score Numerator Denominator		Disclosure scoring criteria
	CC3.1 "Absolute target" route			
CC3.1	Did you have an emissions reduction target that was active (ongoing or reached completion) in the reporting year?	1	1	Drop-down menu option: Absolute target
CC3.1a	Please provide details of your absolute target			The following columns must <b>all</b> be completed to score  1.5 points: i) scope ii) % reduction from base year iii) base year iv) base year emissions v) target year If "% of emissions in scope" is given in the same row, an <b>extra 0.5 point</b> is scored.



- Example: Did you have an emissions reduction target that was active in the reporting year?
- Routes: absolute, intensity, both, none (all eligible for full disclosure points)

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CC3.1	Did you have an emissions reduction target that was active (ongoing or reached completion) in the reporting year?	1	1	Drop-down menu option: Absolute	Criteria that determines amount of
CC3.1a	Disclosure points available for route (denominator)			The following columns must all be 1.5 points: i) scope ii) % reduction from base year iii) base year iv) base year emissions v) target year If "% of emissions in scope" is given in an extra 0.5 point is scored.	disclosure points earned (numerator) the same row,

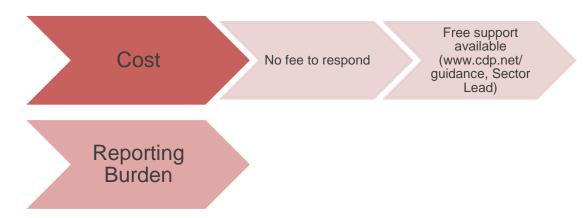


Cost

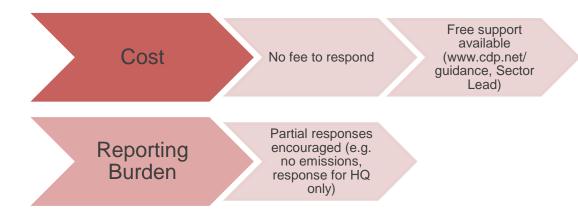
No fee to respond

Free support
available
(www.cdp.net/
guidance, Sector
Lead)











Free support available Cost No fee to respond (www.cdp.net/ guidance, Sector Lead) Partial responses Use information Reporting encouraged (e.g. you already have: no emissions. CSR report/ DJSI/ Burden response for HQ ĞRI only)

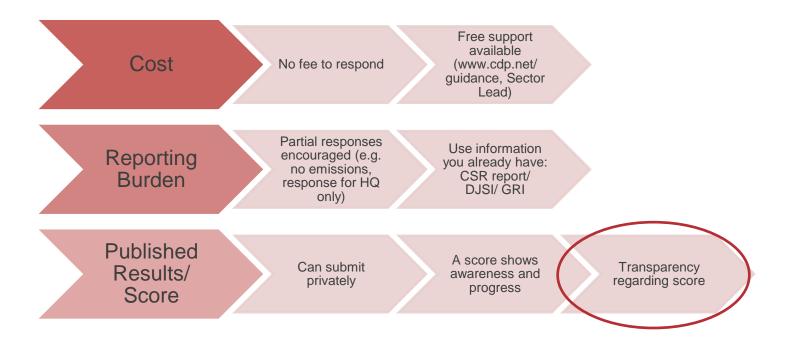


■ GRI includes CDP climate change questions in its GRI G4 Sustainability Reporting Guidelines

## Dow Jones Sustainability Indexes In Collaboration With RobecoSAM

■ DJSI has incorporated 7 CDP climate change questions into its request







# **Key Dates**





## Summary and Next Steps

- Review the CDP website (www.cdp.net)
  - www.cdp.net/guidance
  - www.cdp.net/US
- For further questions, or if you're interested in responding in 2015, email <a href="mailto:respond@cdp.net">respond@cdp.net</a> and cc <a href="mailto:Christina.Copeland@cdp.net">Christina.Copeland@cdp.net</a>





