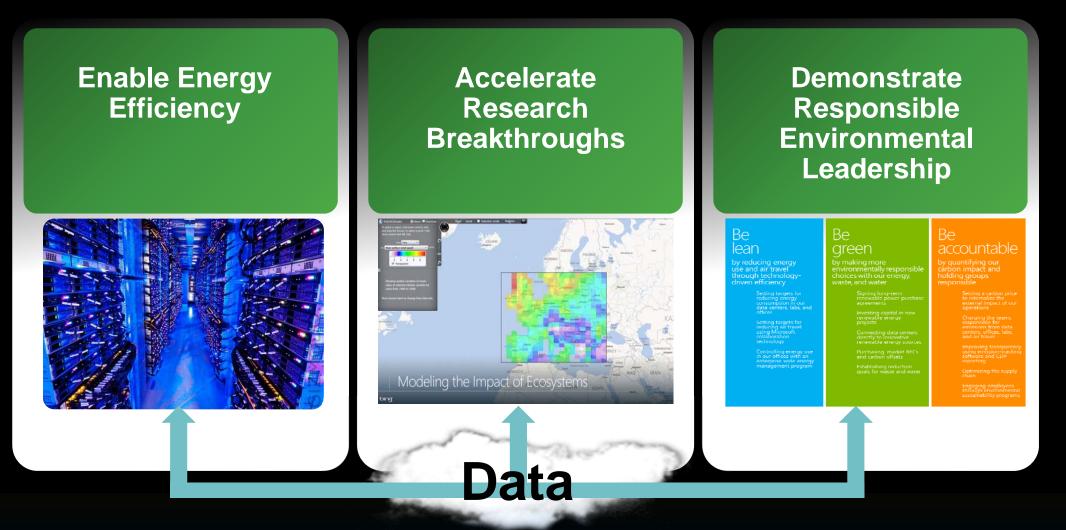


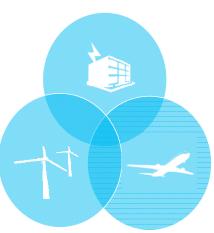
Putting a Price on Carbon: Increasing Accountability & Driving Culture Change Ray Pinto Senior Government Affairs Manager

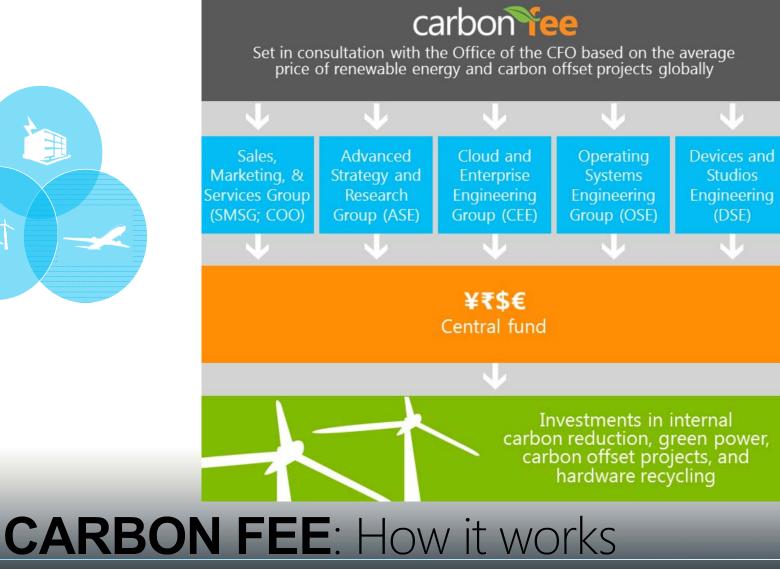


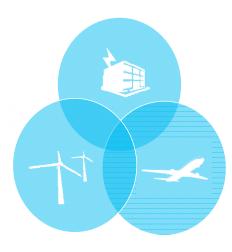
How we think about the challenge



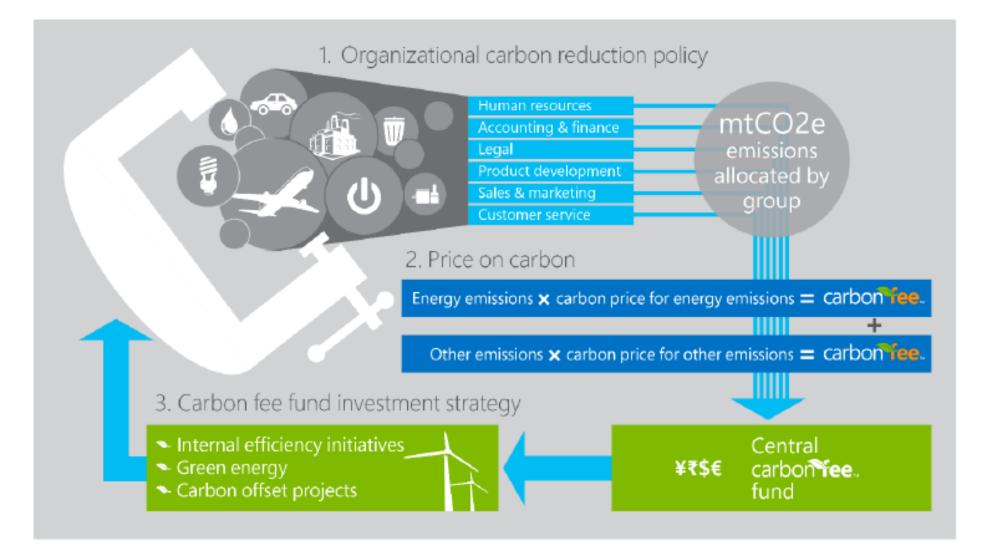








The three primary components of our carbon fee model



- 15M sq. ft. / 118 Buildings
- 30k pieces of mechanical equipment
- 7 major bldg mgt systems
- 500 million data points collected per day
- \$1.5M in cost savings in first year

A LIVING LAB: Microsoft's Puget Sound Campus



Chifeng Wind Power China



Jogimatti Wind Power India



Soma Wind Power Turkey



Ankara Landfill Gas to Energy Turkey



Brazil Farm Methane Brazil



Meru & Nanyuki Community Reforestation, Kenya



Acre Amazonian Rainforest Conservation REDD+, Brazil



Alto Mayo REDD+, Peru



Cerâmica Menegalli Biomass Brazil



Oddar Meanchey Community REDD+, Cambodia



Mongolian Insulation & Energy Efficiency, Mongolia



Guatemala Water Filtration & Cookstoves, Guatemala



Whitepapers



About the author

Tamara ("TJ") DiCaprio is responsible for reducing the global environmental operational footprint at Microsoft. TJ joined the Microsoft Environmental Sustainability group in 2010 and since that time has worked closely with the Environmental Sustainability, Citizenship, and Finance teams to develop an internal carbon footprint strategy, establish an internal governance model, and shape internal corporate carbon reduction policy direction. She was the chief architect behind the development and implementation of Microsoft's carbon



neutral policy and carbon fee model. TJ was recognized by the US Congress and received the 2013 EPA Individual Climate Leadership Award for her work in establishing bold mitigation efforts to climate change at Microsoft.



important when designing a carbon fee model:

step 1 Calculate your carbon impact

step 2 Establish a carbon reduction policy and develop an investment strategy

step 3 Determine your internal carbon price

Step 4 Gain approval and establish governance and feedback loops

step 5

Administer the fee, communicate results, and evolve to increase impact

- A. Complete a carbon emissions inventory
- B. Improve transparency using emission- and energytracking software
- A. Identify your accountable stakeholders
- B. Establish an internal carbon reduction policy
- C. Define your carbon fee emissions boundary and allocation structure
- D. Develop your carbon fee fund investment strategy
- A. Set your carbon price
- B. Calculate projected costs by group
- A. Gain approval for your model
- B. Establish an internal cross-organizational committee to provide ongoing input and guidance
- A. Allocate the carbon fee
- B. True up to actuals
- C. Communicate progress internally
- D. Report on your emissions performance externally
- E. Plan for the future