



Carbon Neutrality Biomass: making the case

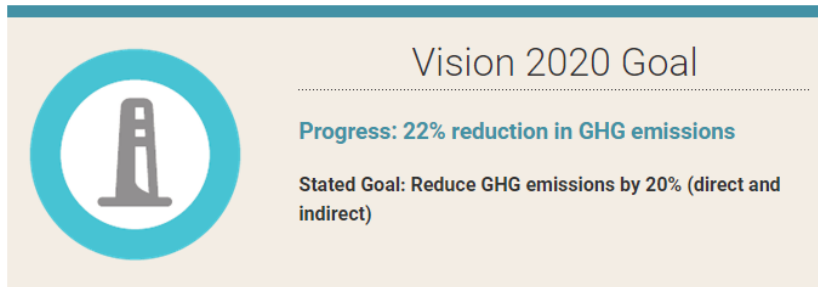
Phil M^cKenzie

Publicly Stated GHG Goals

Climate Change Statement

International Paper's vision is to be among the most successful, sustainable and responsible companies in the world. We are committed to improving our planet, reducing our environmental footprint and promoting the long-term sustainability of natural capital.

We Surpassed our 2020 Goal



Ranked in “The 100 Most Sustainably Managed Companies in the World” by

THE WALL STREET JOURNAL.

GHG is a part of 1 of 4 goals in Vision 2030

SUSTAINABLE OPERATIONS

Improve our climate impact and advance water stewardship

TARGETS:

Reduce our Scope 1, 2 & 3 greenhouse gas emissions by **35%**  aligned with the best-available climate science

Reduce our water use by

25% 

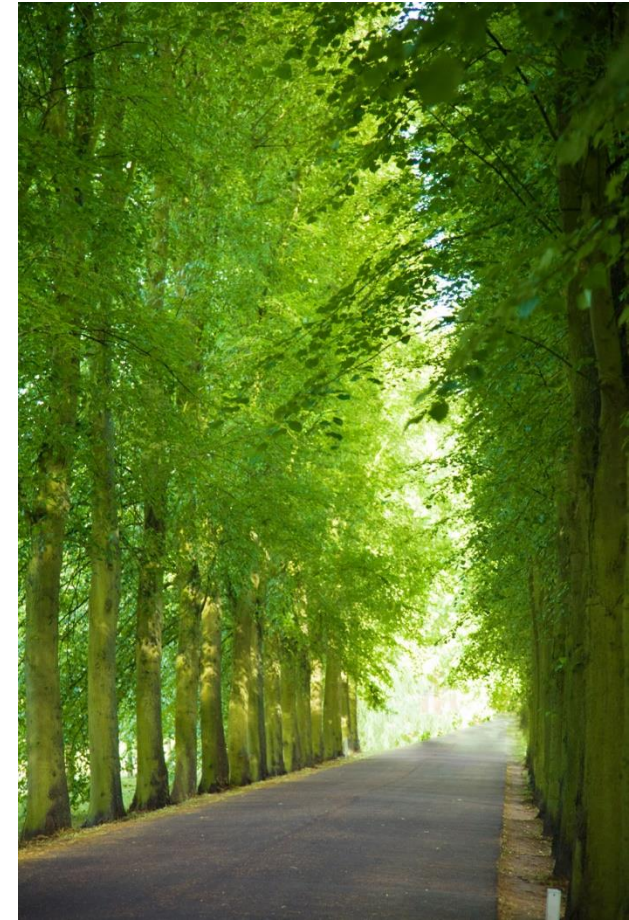
and implement context-based water management plans at all mills

IP are Exploring our Options

- Possible line of sight to achieve 2030 GHG goals and beyond include
 - Increased energy efficiency
 - Fuel switching
 - Greening of the grid and reduction through electrification and purchased electricity
 - BECCS
- Beyond 2030 we are researching the potential path to net zero emissions
- We see a possible threat to the carbon neutrality of biogenic sources as a potential gap

Why Should CIBO Care if Biogenic Sources are CN?

- Science based facts of the carbon cycle should be an important part of any CIBO policy
 - Europe and the ROW are currently utilizing biomass in their GHG reduction strategy
- Fuel flexibility
 - If biogenic fuels are not considered CO₂ neutral then one proven avenue to producing steam will be eliminated in a carbon constrained world
- If greening of the grid is part of your goals
 - Biomass represents currently achievable and affordable baseload capacity for the electrical grid
 - Southern Company has gone on record as saying that technically achievable BECCS (Negative Carbon Concepts) and renewable natural gas must play a part in their commitments
- Perspective new members will care about this topic



Introducing Paul Noe – AF&PA



Paul Noe is the Vice President for Public Policy at the American Forest & Paper Association. He has extensive experience in leading the formulation and execution of regulatory advocacy strategies in areas such as environmental regulation and permitting, bioenergy, chemicals and product stewardship, and workplace health and safety.

Earlier in his career, Paul helped to lead the development of regulatory policy and review of regulations at the White House Office of Management and Budget in the Administration of George W. Bush. He previously served as senior counsel to the U.S. Senate Committee on Governmental Affairs under Chairmen Fred Thompson, Ted Stevens and Bill Roth, where his work focused on reforming the regulatory process. He currently co-chairs the Committee on Legislation in the American Bar Association's Section of Administrative Law and Regulatory Practice. His publications include co-authoring a book chapter, "Beyond Process Excellence: Enhancing Societal Well-Being," in *Achieving Regulatory Excellence* (2017), published by Brookings Institution Press.