5J. Alternative fuels supply chain

Summary of chapter findings and outcomes

01

• Proposed source of alternative fuels for the specific green corridor (source of renewable energy, feedstock, and fuel production centers) and evolution of alternative fuel supply and demand over time for regions relevant to the corridor (local or international/ imported)

02

Technical feasibility of alternative fuel production for the specific green corridor, including:

- Expected feedstock production locations and capacity
- Fuel production locations and capacity
- Transportation of fuel to relevant region in corridor

Regulatory feasibility of alternative fuel production projects and permits related to their development for a specific green corridor:

03

- Regulatory and policy structure to allow/enable alternative fuel and feedstock production, storage and distribution (e.g., for hydrogen, carbon capture, storage, and transport)
- Regulations on scale of alternative fuel production, and health and safety guidelines on handling, storage, and use
- Carbon credits and other tailwinds
- Measures to ensure a just and equitable alternative fuel production

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- Cost assessment of alternative fuel production project development relevant to the specific green corridor, including:
- Resulting CapEx requirements
- Expected cost of production and potential price of alternative fuels, and their evolution over time
- Financing and funding options

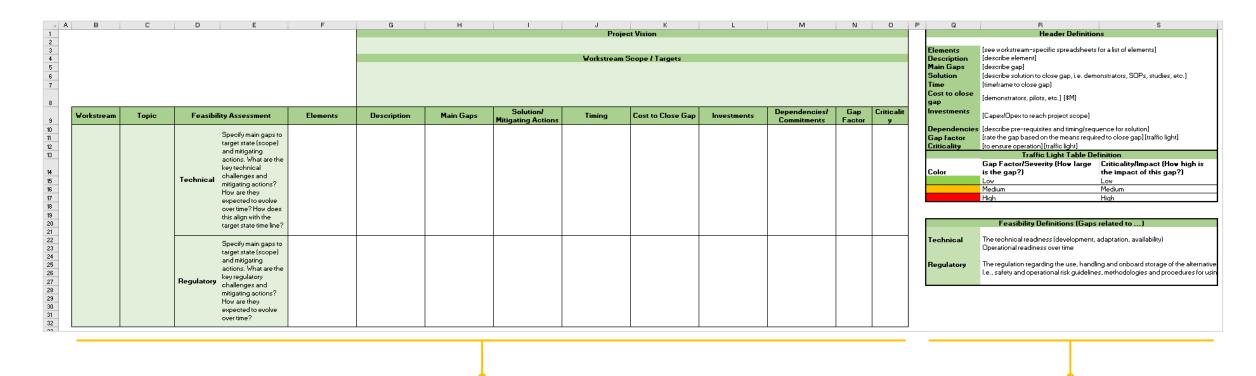
Just & Equitable:

05

• An analysis from a J&E perspective will provide insights on how workers, communities and ecosystems might be affected by the offtake of alternative fuels within the green corridor. There might be socio-economic opportunities and risks. It is important that work is done to maximize the opportunities and minimize the risks



Workstream gap analysis – Alternative fuels supply chain



Throughout the Feasibility assessment, fill the table with insights on **technical and regulatory** feasibility³ – specifically, use this table to highlight gaps and ways to close them

Legend and definitions

