

# Asset Based Approach to Climate Adaptation

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# Stranded Assets

- According to the University of Oxford, “Stranded assets are assets that have suffered from unanticipated or premature write-downs, devaluations, or conversion to liabilities and they can be caused by a variety of risks.”
- “Stranded assets” are the product of creative destruction, a term destruction, a term coined by [Joseph Schumpeter](#) in 1942 to to describe how innovation and new market forces destroy prevailing economic and business models.

# CRITICAL ASSETS

Navigable channel clearance and depth

Navigation support vessels

Terminal storage space and on-dock storage space

Shipboard and intermodal cargo handling equipment

Transportation fuels and fueling terminals

Telecommunications, internet, cell service

Port servicing trucks

Pipeline Assets

Rail

Vessel, equipment, cargo/container tracking systems

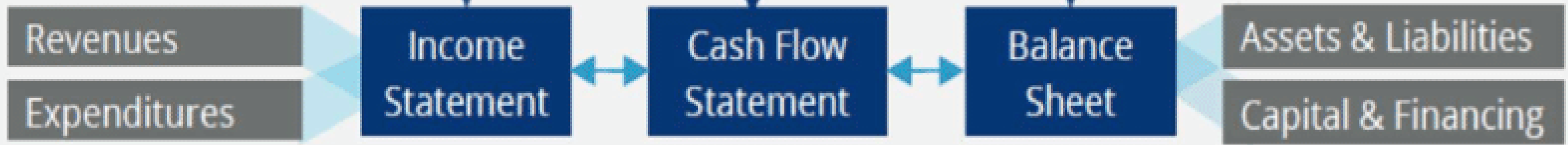
Vehicles/equipment for debris removal

Utilities (power, water, sewer)

Port/terminal access routes

Electronic/battery operated equipment to operate warehouse doors

Office structures





# Asset Valuation Approach to Decision Making

- Considering Market Value based on Discounted Future Cash Flows
- Incorporating Scenario Analysis for Risk Metrics
- Using Gati Shakti platform for Public Assets Valuation
- [Case Study](#) : Inventory and valuation of Public Assets in Ahmedabad



# Collaboration is Key

- Collaboration Mechanisms with financial incentives or IP opportunities
- Cluster model of Norway for technology projects
- Strategic Partnerships for International Collaborations
- Multi-lateral institutions can be Bridges
- Port cities can collaborate based on similar climate profiles



# Thank You

