

## Participant Breakout Crib-Sheet: SASB Portfolio Look-Through Metrics

**Course:** Climate Scenario Analysis for Sustainability Reporting

**Classroom Instructions:** Use this guide during the **Module 4 & 7 workshops** to identify the precise industry standard metrics that justify the carbon tax liabilities, asset stranding factors, and insurance gaps built into your stress test models.

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### ➤ Fund Manager Level: Apex Infrastructure Holdings (AIH)

When reporting as the overarching holding company or investment fund, your central disclosure requirements fall under the **SASB Financials – Asset Management & Custody Activities** industry taxonomy.

#### Core Fund Metrics & Disclosure Triggers

- **Metric Code:** FN-AC-410a.2
  - *Standard Requirement:* Description of approach to incorporation of environmental, social, and governance (ESG) factors into investment management processes and strategies.
  - *Model Application:* Participants must use this code to document how AIH uses the **Dashboard Summary** to alter portfolio asset weights based on dynamic scenario outcomes.
- **Metric Code:** FN-AC-550a.1
  - *Standard Requirement:* Description of approach to managing systemic risks.
  - *Model Application:* This is your legal anchor for running the **NGFS Phase V scenarios**. It proves to auditors that the fund actively monitors the macroeconomic transmission channels of climate policy shocks.

### ➤ Underlying Portfolio Asset Level (Look-Through Architecture)

To fulfill the connectivity mandates of **IFRS S2**, you must evaluate each underlying asset against its specific cross-industry SASB metric profile.

#### 1. AST-001: Gas-Fired Thermal Power Plant

- **SASB Sector Mapping:** Infrastructure – Electric Utilities & Power Generators (IF-EU)
- **Metric Code:** IF-EU-110a.1
  - *Standard Requirement:* Gross global Scope 1 greenhouse gas (GHG) emissions.
  - *Model Linkage:* Directly justifies the **Baseline Carbon Intensity (680 tCO<sub>2</sub>e/\$M Rev)** found in cell F5 of the Portfolio Setup tab.



- **Metric Code:** IF-EU-110a.2
  - *Standard Requirement:* Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets.
  - *Model Linkage:* Provides the direct strategic foundation for the **\$45.0 Million Low-Carbon Retrofit CapEx** deployed in the Strategic Response & Mitigation tab.

## 2. AST-002: Coastal Logistics & Distribution Hub

- **SASB Sector Mapping:** Transportation – Cargo Transportation & Logistics (TR-CR) / Real Estate (IF-RE)
- **Metric Code:** IF-RE-450a.1
  - *Standard Requirement:* Area of properties located in 100-year flood zones.
  - *Model Linkage:* Pinpoints why this asset is tagged under the **Coastal Storm Surge Hazard Zone** in cell E6 of the Portfolio Setup tab.
- **Metric Code:** TR-CR-540a.1
  - *Standard Requirement:* Discussion of management of risks associated with climate change impacts on infrastructure and operations.
  - *Model Linkage:* Acts as the regulatory trigger for calculating the **\$41.25 Million Unhedged Insurance Gap** under the Hot House World scenario.

## 3. AST-003: Heavy Metallurgy & Manufacturing Foundry

- **SASB Sector Mapping:** Renewable Resources & Alternative Energy – Iron & Steel Producers (EM-IS)
- **Metric Code:** EM-IS-130a.1
  - *Standard Requirement:* Total energy consumed, percentage grid electricity, percentage renewable energy.
  - *Model Linkage:* Directly correlates with the intense operational cost inflation modeled under the **Disorderly Scenario** when grid utility prices spike sharply post-2030.
- **Metric Code:** EM-IS-140a.1
  - *Standard Requirement:* Total fresh water withdrawn and percentage in regions with High or Extremely High Baseline Water Stress.
  - *Model Linkage:* Backs up the **\$36.4 Million Chronic Physical Loss** in cell H7 of the physical tab by modeling operational curtailment driven by localized extreme water scarcity and cooling limits.

## 4. AST-004: Agricultural Supply Chain Depot



- **SASB Sector Mapping:** Food & Beverage – Agricultural Products (FB-AG)
- **Metric Code:** FB-AG-440a.1
  - *Standard Requirement:* Discussion of strategy to manage opportunities and risks to ensure supply chain resilience associated with climate change impacts.
  - *Model Linkage:* Legally establishes why a logistics fund must model chronic drought risk, demonstrating long-term regional volume drops and inventory delays.

#### **5. AST-005: Data Center Complex & Tech Infrastructure**

- **SASB Sector Mapping:** Technology & Communications – Software & IT Services (TC-SI)
- **Metric Code:** TC-SI-130a.1
  - *Standard Requirement:* Total energy consumed, percentage grid electricity, percentage renewable energy.
  - *Model Linkage:* Quantifies the physical cooling premium and regional power margin compressions calculated under urban extreme heat island events.