

Carbon Intensity: The Only KPI that Matters

Tech Talk: IARW/WFLO 2022



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Carbon Offset

Scope 3
Footprint

Scope 1 DER PPAs

Net Zero
Scope 2 Carbon Credits

Carbon Neutral CSR Renewables
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A higher <u>COP</u> system in a cooler <u>Weather</u> region will require fewer <u>KWH</u> to freeze <u>Inbound Lbs</u> and maintain <u>Outbound</u> movements.

That results in lower <u>Carbon Intensity</u> which leads to more enterprise value in higher <u>Revenue</u> facilities with more expensive <u>KW</u> demand tariffs.

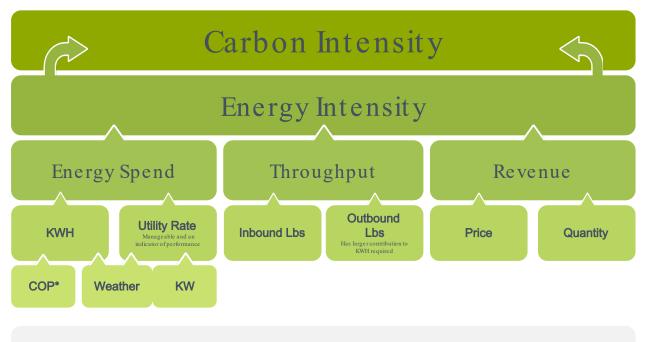


EMBODIED

KPIs

KWH
REVENUE
INBOUND LBS
WEATHER
COP
UTILITY RATE
ENERGY SPEND
THROUGHPUT

*COP may not be rendered due to underlying data streams but doesn't block the usefulness of higher level KPI



COP: The efficiency of the thermal COP system drives whether a system consumes more or less KWH

WEATHER: Normalizes KWH for regions and influences cost of energy (Grid KW) **KW:** Most basic unit of power measured when tracked over time equals energy (KWH) **REVENUE:**Marginal value of production based on unit of energy required for production



One Company's Scope 2 Emissions Is Another Company's Scope 3 Emissions



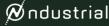


Carbon Intensity...

✓ Tracked to customer

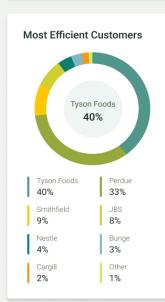
✓ Tracked to SKU

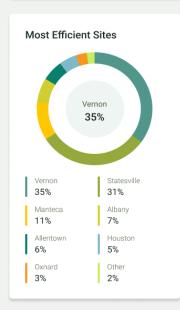


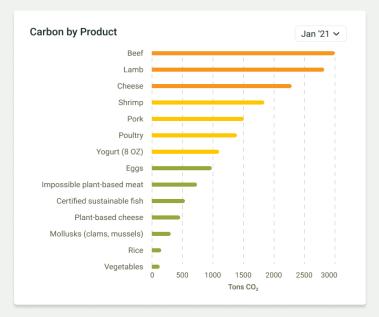


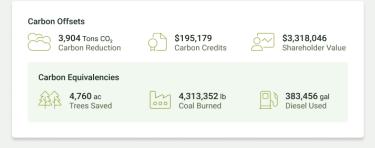














\$80+ Per Metric Ton of Carbon Imported



The Impact of EU Carbon Border



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