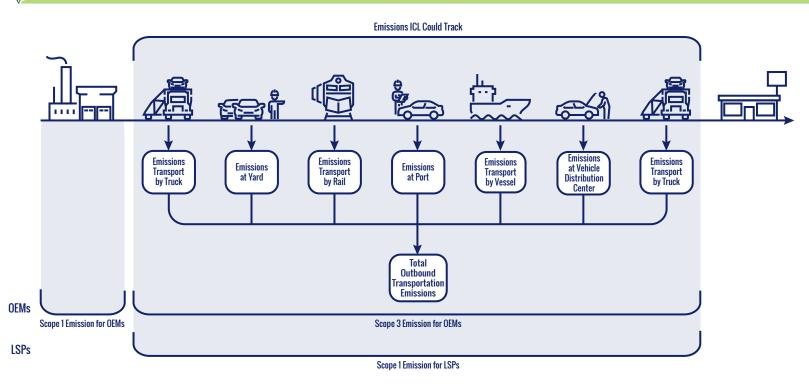


Net Zero = Also called Climate Neutral, a state where emissions are reduced and/or offset so there is no overall climate impact

Level of Reporting for Transportation Varies for OEMs and LSPs





in



Data Requirements for OEMs and LSPs for Accurate Calculations

ISP Data

Example Data Sources

Truck / Railcar / Vessel Type

Transport Distance

Utilization Factor

Load Capacity

External Data





Example Data Sources

- Mileage Calculator
- Database for Emissions Factor
- Fuel Efficiency Factor
- Fuel Emission Factor

Path to Net Zero

Define Challenges for FVL

- Lack of standards appropriate for Finished Vehicle Logistics
- Mostly a manual data collection,
- calculation, and reporting processAssumptions made to fill gaps
- Implement Reporting Improvements
- Adopt industry standards, in collaboration with AIAG and ECG
- Certify reporting framework for FVL with global reporting standards
- Automate the data collection and calculation process

Implement Emissions-Reduction Strategies

OEM Data

Network optimization

Example Data Sources

Fuel Consumption Factor

Model of Vehicle
Fuel Type (EV, PHEV)

for Yard Speed

- Change in purchasing decision, prioritizing emissions
- Capital investments in green infrastructure by OEMs and LSPs



Open Questions

- How to factor in empty miles - road/rail/ocean
- How to calculate emissions for vehicles in storage yards
 different than warehouse
- How to calculate emissions for vehicles moving through ports

Form Foundation for Longer Term Goals

- Purchase offsets for emissions that cannot be reduced
- Budget for and accrue for future offset purchases
 Continue to optimize
- and re-optimize the network for further emissions reductions

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What is ICL Doing to Help OEMs and LSPs?

For OEMs and LSPs working toward emission reduction and net-zero goals, ICL will provide software and services that:



Calculate accurate logistics emissions



Report emissions in the required framework



Reduce emissions (optimization, investments)



Budget to offset any remaining emissions



ICL is seeking OEM and LSP partners to participate in pilot projects. Interested? Get in touch!







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