



LEAN & GREEN ACTION PLAN

1ST STAR

[Name organization]

[Logo]

Prepared by:

Version:

Date:



Contents

This action plan includes the following elements:

3 < 2.1 A description of the core activities of the organization

4 < 2.2 Scope

6 < 3 Baseline

7 < 4 Reduction measures

For any questions, please contact us by e-mail or phone.



2 DESCRIPTION OF ORGANIZATION AND SCOPE

2.1 Description of organization

Describe the following aspects of your organization

Core business

Branch

Role in the supply chain (shipper, transporter, logistics service provider, retailer, etc.)

Activities per (logistic) branch (incl. location)

Organization of transport* (own/outsourced/charter)

**when applicable*



2.2 Scope

Describe and substantiate the scope of activities subject to emission reduction measures. The scope should be determined by - as a minimum - taking all outbound logistics activities in your country and warehousing activities if applicable

Description logistic activities	In scope	Out of scope	
1			
2			
3			
4			
5			

Reasoning	In scope	Out of scope	



2.3 Business unit

Specify the Logistic unit (e.g. weight (tons), linear load meters, m3, pallets, roll containers, etc.) in which your transport volumes can be expressed. Explain why you choose this specific logistic unit.

Logistics unit	Explanation

2.4 Quantification of logistic activities

Quantify the (in scope) logistic activities in the sample format beneath. Current rows are examples and can be removed or altered by doubling clicking the table.

Customer / flow	Modality	Fuel type	Fuel unit	Quantity	Emission factor	CO2 (kg)	Volume	Volume	Source (TMS, WMS, default, estimation)	Transport: Own / outsourced	Scope in/out
							Unit	Multiple units			
Customer 1	Road	diesel	liter		3,2	1	1		TMS	Own	In
Flow xx	Road					-	-		WMS	Own	In
	Road					-	-		Estimation	Own	In
	Road					1	-		ERP	Outsourced	Out
	Barge									Outsourced	In
	Train									Outsourced	In
	Air					-	-				
	Sea					-	-				
		Energy type	Energy unit	Quantity	Emission factor	CO2 (kg)			Source (TMS, WMS, default, estimation)	Warehouse: Own / outsourced	Scope in/out
	Warehouse	Power grey	kWh	-	0,649	-	xxxx	xxxx	Invoice	Own	In
	Depot	Power green	kWh	-	0	-	xxxx	xxxx	Invoice	Own	In
	DC	Natural gas	M3	-	1,89	-	xxxx	xxxx	Invoice	Own	In
	Transshipment										-
Totaal						2	1				
In scope						1	1				
						50,00%	100,00%				

Scope = 12 months or year	2020
From May 2020 to April 2021	

Scope determination:

Lean & Green has a minimum scope (see below %), at least transport from to your own country & warehousing

Which periode (12 months or year). And fill in on rows 32/33 (bleu)

Column J can be filled, if you use more then 1 unit for volume (pallet, M3, loadmeter, parcel etc).

% in scope (outbound flows)

First star 50%
 Second star 65%
 Third star 75%
 Fourth star 85%
 Fifth star 90%

Note: in the Netherlands at least 85% in scope for the EED exemption for logistics



3.2 Substantiate baseline emission level

Describe and/or substantiate the reasoning behind the determination of the CO2 baseline.

Substantiate CO2 baseline year ; why did you choose this year as baseline?

Describe the sources you derived the data from

Describe and substantiate assumptions*

**if applicable*



4 REDUCTION MEASURES

4.1 Calculation reduction measures

Calculate the CO2 reduction (in %) of the measures in sample table 4.

- Define the proposed measure, specified or transport and warehousing
- Determine the expected reduction (in %) for each measure, based on the used source (Column "Reduction based on source").
- Define the share of the transport to which the measure is applied (Column "Applicable to % of transport"). E.g.: Improvement of planning applies to 10 of 20 trucks = 50%.
- Projected reduction is calculated automatically (Column "Projected reduction")
- Define the distribution between transport and warehousing as defined in the scope; e.g. when in the baseline year Transport is 900,000 ton CO2 and Warehousing 100,000 ton CO2; fill in 90% Transport and 10% Warehousing

Part I Transport Measures		On which % of Transport it applies to	Planned savings
Savings based on source			
A. Planning (less km / fuel)			
Optimize linehaul & delivery vans	20%	5%	1%
Reduction of Kilometers	2%	50%	1%
...			0%
...			0%
B. Volume (load)			
Load improvement	2%	100%	2%
...			0%
Total savings, less kilometers per transported unit			4%
C. Soft measures (less liters per km)			
Monitoring fuel consumption	1%	100%	1%
Green driving training / competition?	1%	100%	1%
			0%
			0%
Total savings, less liters per kilometer driven			2%
D. Other fuels / energy (less CO2 per liter)			
Replace	10%	10%	1%
...			0%
Total savings, less CO2 emissions per liter			1%
TOTAL Part I Transport Measures			6,861%
Part II Warehousing Measures		On which % of Warehousing it applies to	Planned savings
Savings according to source			
			0,0%
			0,0%
Total savings Warehousing			0%
TOTAL Part II Warehousing Measures			0,0%
YELLOW = input field for the organization			
	Part	Savings	
Savings Warehousing	0%	0,00%	
Savings Transport	100%	6,86%	
Savings target		6,86%	



4.2 Description reduction measures

Describe each reduction measure as per the format beneath

Measure 1	
Describe the proposed measure	
Which actions are part of this measure?	
What is the timeline? (Start, stop, evaluation frequency)	
Describe the used data sources used to determine the reduction. Refer to suppliers, internal research, calculation methodology and/or external reports, etc.	
Who is responsible for this measure, who will be monitoring the effect and progress of the measure?	
What is the frequency of reporting on progress/results?	
Adjustments: How will the measure be adjusted if necessary, based on the results achieved.	
Results: What is the result that is achieved? (If already implemented)	



Measure 2:

Describe the proposed measure

Which actions are part of this measure?

What is the timeline? (Start, stop, evaluation frequency)

Describe the used data sources used to determine the reduction. Refer to suppliers, internal research, calculation methodology and/or external reports, etc.

Who is responsible for this measure, who will be monitoring the effect and progress of the measure?

What is the frequency of reporting on progress/results?

Adjustments: How will the measure be adjusted if necessary, based on the results achieved.

Results: What is the result that is achieved? (If already implemented)



Measure 3:

Describe the proposed measure

Which actions are part of this measure?

What is the timeline? (Start, stop, evaluation frequency)

Describe the used data sources used to determine the reduction. Refer to suppliers, internal research, calculation methodology and/or external reports, etc.

Who is responsible for this measure, who will be monitoring the effect and progress of the measure?

What is the frequency of reporting on progress/results?

Adjustments: How will the measure be adjusted if necessary, based on the results achieved.

Results: What is the result that is achieved? (If already implemented)



Measure 4:

Describe the proposed measure	
Which actions are part of this measure?	
What is the timeline? (Start, stop, evaluation frequency)	
Describe the used data sources used to determine the reduction. Refer to suppliers, internal research, calculation methodology and/or external reports, etc.	
Who is responsible for this measure, who will be monitoring the effect and progress of the measure?	
What is the frequency of reporting on progress/results?	
Adjustments: How will the measure be adjusted if necessary, based on the results achieved.	
Results: What is the result that is achieved? (If already implemented)	

After final completion of the toolkit please save your completed pdf-file.

Lean & Green Europe is Europe's leading community for sustainable logistics.

Lean & Green Europe combines corporate responsibility for reducing footprints with continuous improvement of operational performance and value for customers.

Lean & Green Europe develops community-driven practical tools and guidelines for applying international emission calculation standards.

Lean & Green members include > 500 shippers, carriers, logistics service providers, ports, terminals and retailers.

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