



equinor

# Krav og insentiv fra innkjøper som påvirker utslippsreduksjoner

NOx-fondets seminar, Oslo 6 september 2018

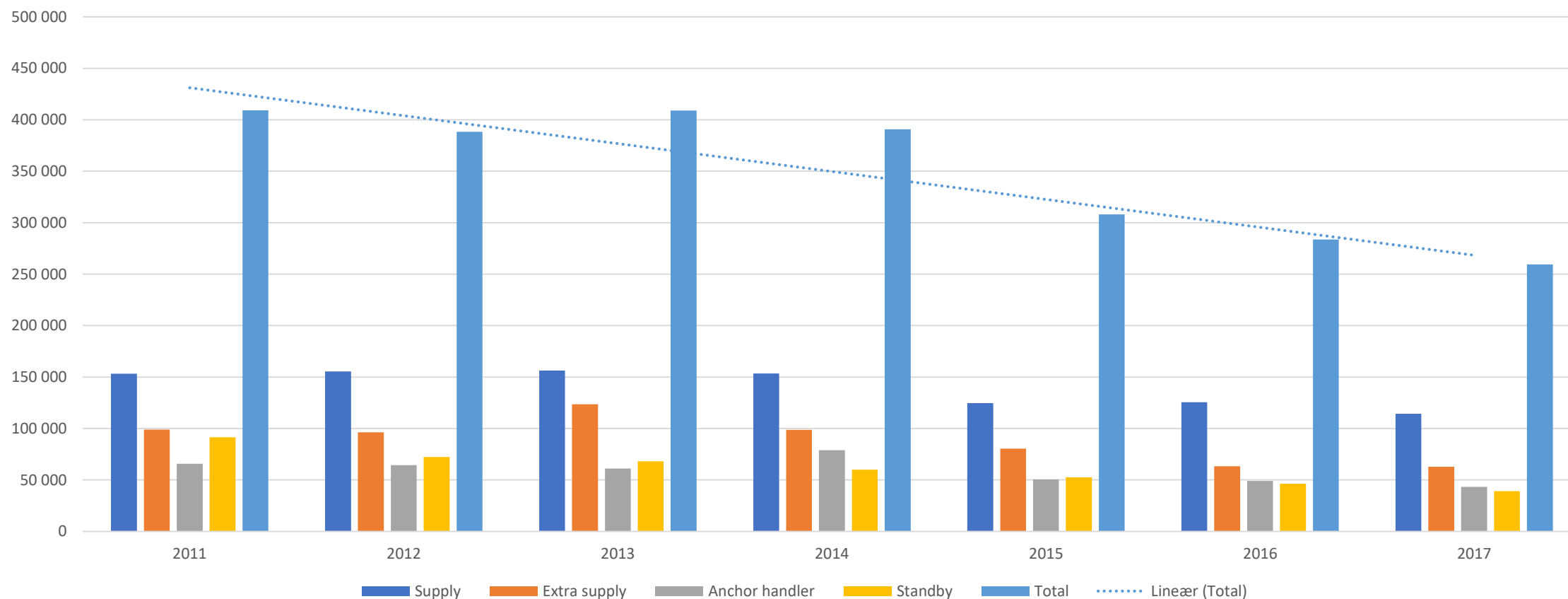
## Forming a future-fit portfolio

We will actively shape our portfolio to deliver high value with a low carbon footprint. Forming an Equinor portfolio that remains fit for the future towards 2030 and beyond.



# Emissions from LE MO vessels

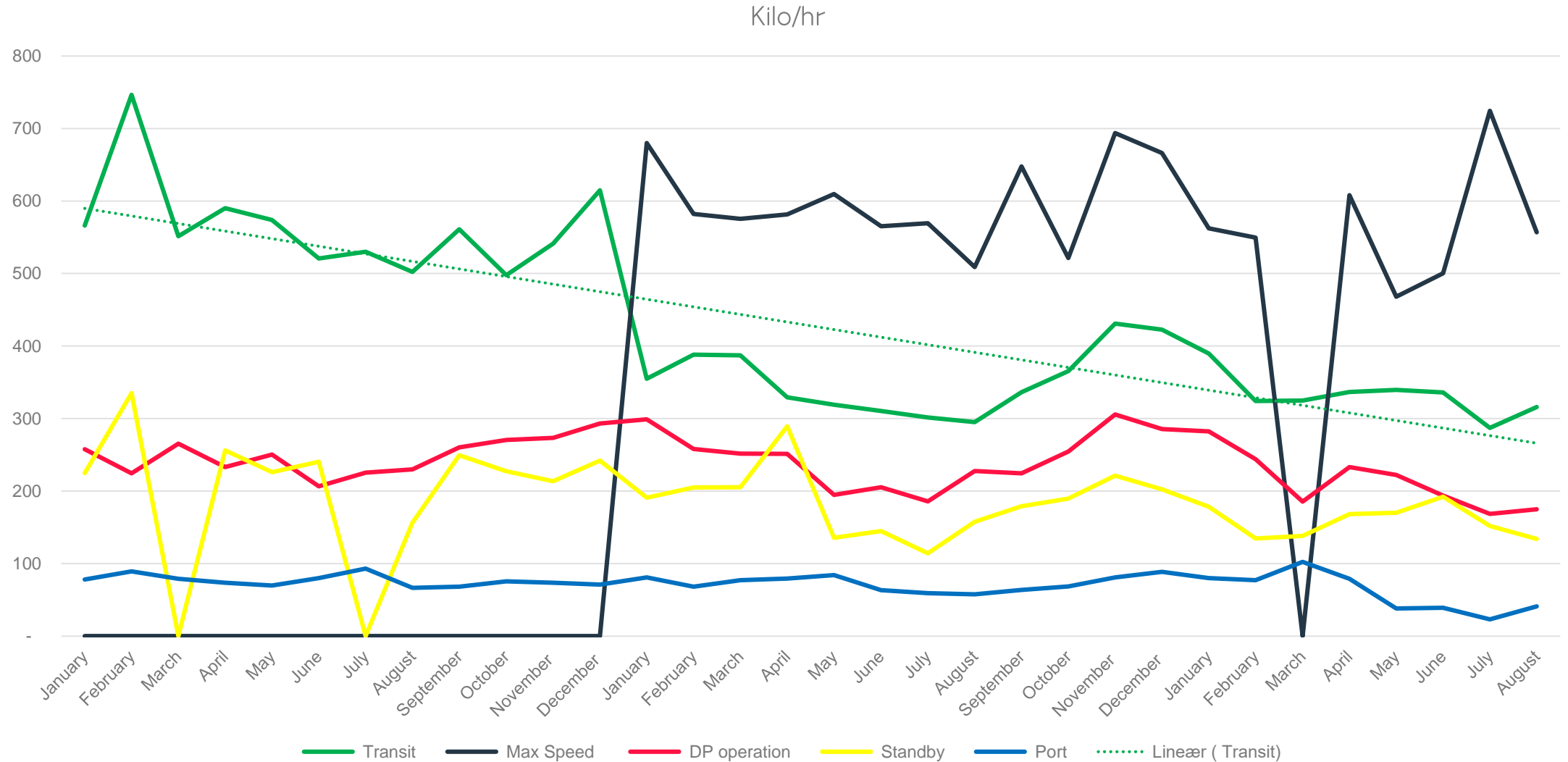
CO2 emission



25% reductions compare to 2011 adjusted for activity level

Ambition: reduce CO2 with 50% compared with 2011 for vessel in LE MO in 2030

# Monthly reporting



# "League table"

KG/HR	April				July				Oktober				Gj snitt april, july, okt
Vessel	Transit	DP operation	Port	Snitt 0,35+0,35+ 0,3	Transit	DP operation	Port	Snitt 0,35+0,35+ 0,3	Transit	DP operation	Port	Snitt 0,35+0,35+ 0,3	
Vessel 4	272	187	64	180	305	178	45	182	305	187	40	184	182
Vessel 5	335	197	83	211	313	185	81	199	309	179	79	194	201
Vessel 6	329	251	79	227	302	186	59	188	365	255	69	238	218
Vessel 7	389	199	79	229	360	172	68	207	337	229	72	220	219
Vessel 5	371	255	61	238	337	245	87	230	382	299	81	263	243
Vessel 19	446	250	79	267	439	199	86	249	435	231	74	255	257
Vessel 8	458	332	133	316	271	265	52	203	377	299	72	258	259
Vessel 2	364	275	64	243	375	266	67	244	439	351	75	299	262
Vessel 1	412	265	70	258	388	241	73	242	451	309	81	290	263
<b>Average vessel</b>	<b>420</b>	<b>272</b>	<b>99</b>	<b>272</b>	<b>412</b>	<b>224</b>	<b>82</b>	<b>247</b>	<b>440</b>	<b>277</b>	<b>84</b>	<b>276</b>	<b>265</b>
Vessel 16	473	219	90	269	534	162	85	269				-	269
Vessel 15	488	232	87	278	488	206	71	264				-	271
Vessel 9	418	248	94	261	466	240	102	278	507	274	95	301	280
Vessel 22	431	301	107	289	480	224	103	277	517	274	91	304	290
Vessel 21									448	266	145	294	294
Vessel 20	441	324	122	304	411	256	88	260	506	337	95	323	296
Vessel 13	576	191	79	292	555	194	75	285	540	275	93	313	297
Vessel 18	489	214	83	271	524	220	88	287	638	276	64	339	299
Vessel 19	449	375	156	335	413	298	100	279	438	362	107	312	309
Vessel 14	459	347	108	314	489	287	95	300	492	316	101	313	309
Vessel 11	379	508	233	381	379	233	127	252				-	317

# PSV requirements and incentive program

## Requirements

Ecometer and flow meter

SCR or similar/ other system (LNG) to reduce emissions in place (IMO Tier 3)

Low Voltage **Shore Connection** according to NEK IEC 80005-3. Notation Shore Power

**Battery installed** for hybrid operation

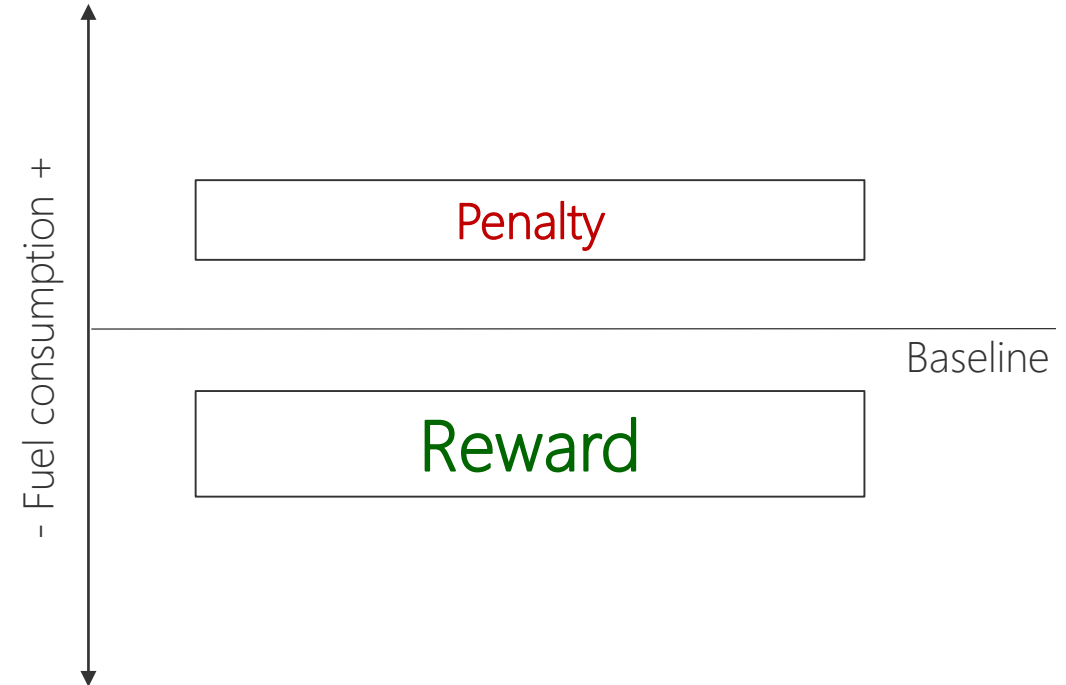
Vessel registered in the Environmental Ship Index  
<http://www.environmentalshipindex.org/>

Port generator min 600 kW

Clean Design

Deck area to be lighted with LED light

Fuel incentive program



# Thank you

---

**Helge Såtendal**

Principal Consultant Supply chain management Marine operations

JOS LE MO

Equinor ASA

+47 99467809

[hesat@equinor.com](mailto:hesat@equinor.com)

Visitor address: Sandsliveien 90, Sandsli, Norway

© Equinor ASA

This presentation, including the contents and arrangement of the contents of each individual page or the collection of the pages, is owned by Equinor. Copyright to all material including, but not limited to, written material, photographs, drawings, images, tables and data remains the property of Equinor. All rights reserved. Any other use, reproduction, translation, adaption, arrangement, alteration, distribution or storage of this presentation, in whole or in part, without the prior written permission of Equinor is prohibited. The information contained in this presentation may not be accurate, up to date or applicable to the circumstances of any particular case, despite our efforts. Equinor cannot accept any liability for any inaccuracies or omissions.