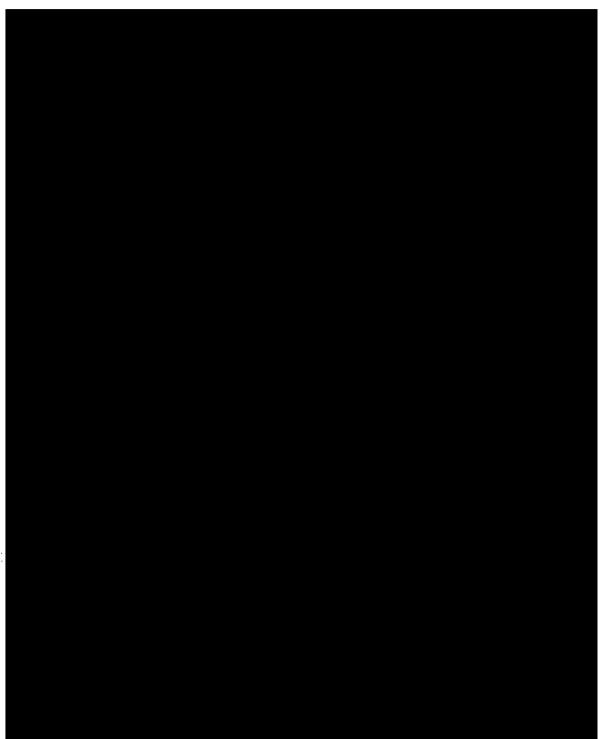


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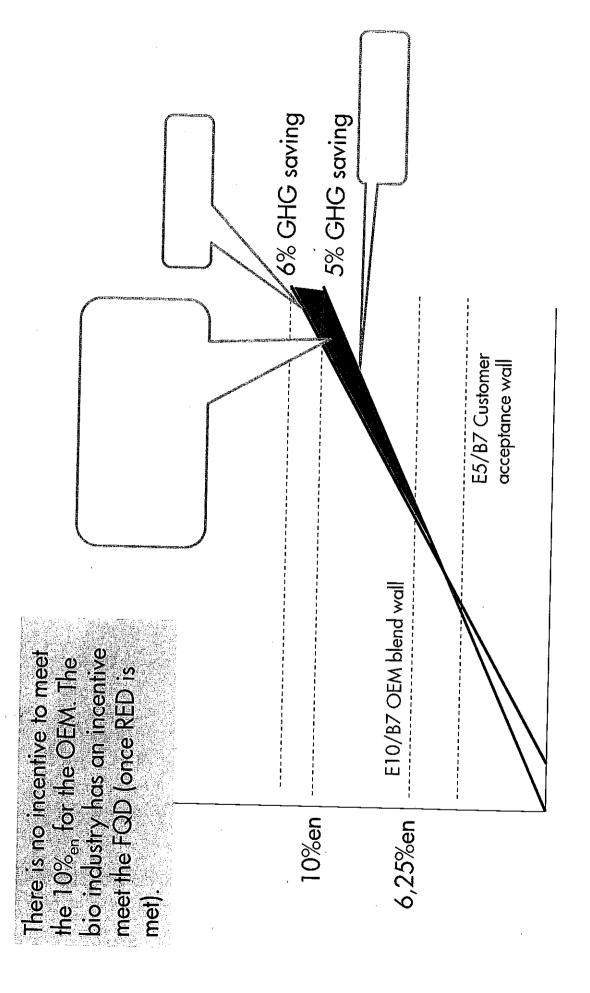
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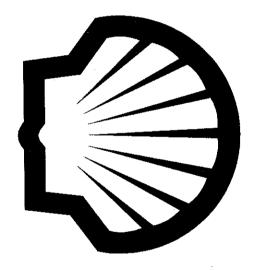


Shell

## 2008 2008 **RED & FQD ON A PAGE** protection grade(s) at least till 2013 2009 2009 2010 2010 2011 2012 2013 2011 2012 2013 2014 2015 2014 2015 2% 2016 2016 Review RED larget Extra Credit Counting for RED target! Green Electricity for Road Transport counts 2.5 times Advanced Biofuels counts 2 times 2017 2018 2019 2017 2018 2019 4% 60% GHG 500 TO 2020 2020 RED target 10 %en GHG emission Reduction per Unit of Energy from Eve 6% 6%

## RED FQD COMPLIANCE CHALLENGE





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## OIL SANDS DEVELOPMENT CYCLE



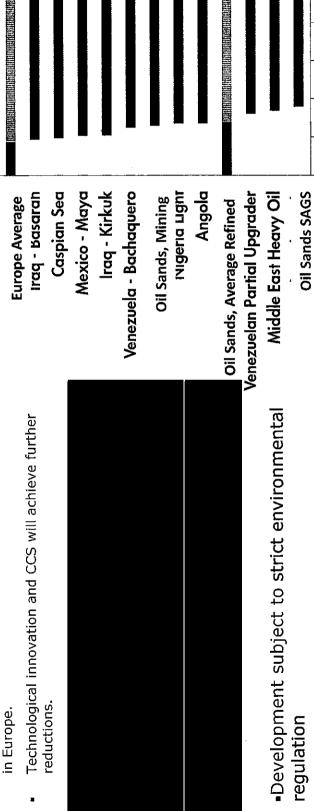
•GHG reduced by 30% since 1990

within the same range or lower than other crude oils used

**Brent Blend** Mexico - Maya Iraq - Kirkuk Saudi Medium Caspian Sea ıraq - Basarah **Europe Average** 

**GHG** emissions

kg CO<sub>2</sub>e per bbl refined products



## FQD - ELEMENTS FOR A POSSIBLE COMPROMISE

propose how to address high GHG intensity sources, based on: Review Clause including a mandate to review and, it appropriate,

- tuels used in the EU. 1.- Scientific evaluation of the GHG intensity of the sources of transport
- 2.- Assessment of impact of the proposal on:
- GHG emissions reductions

Accuracy and reliability of GHG emissions data

methodology, if feasible and justified on GHG grounds. crudes and their GHG intensity, and sets out criteria to update Recognises political intent to establish a closer association of individual