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An: [RoHS exemptions](#)
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Betreff: Stakeholder consultation RoHS - 29 exemption in Annex III
Datum: Dienstag, 8. September 2015 17:03:06
Anlagen: [Tabelrapport med kryds - Kampagneevaluering elsparepærekampagne - Prætest.pdf](#)
[Baggrundspapir_kviksølv og sparepærer 5.2.12 GODKENDT.pdf](#)
[sec_2009_327_impact_assesment_en.pdf](#)

To the RoHS Evaluation team

I have attached two reports and one link about Hg and energy saving lamps as well as LED-lamps as an alternative.

Unfortunately the two attached reports are in Danish, however I will summarize the major findings in this E-mail:

1. A web based interview from 9. – 19. Okt. 2014 with 1152 consumers (age 18 years or above) came up with the following conclusions (Tabelrapport med kryds - ..):
 - a. 53% buy lamps according to their energy saving abilities
 - b. 47% of all household already have LED-lamps
 - c. An average household has around 9 lamps
 - d. When LED lamp is chosen - in 71% of the cases it is chosen because of their energy saving abilities
 - e. 24% do not know why they don't use LED lamps
 - f. Only 38-39% recycle the Hg containing lamps properly
 - g. 50% know how to recycle the Hg containing lamps properly
 - h. 35% have had to clean up a broken Hg containing lamp
 - i. 54% use vacuum cleaner or brush even though it makes the Hg evaporate quickly
 - ii. Only 15 % opened the window to allow for circulation
 - i. 44% thinks that mercury in the lamps is an environmental problem and 3 % think it is not a problem
2. Data on LED and Hg containing lamps (Baggrundspapir, kviksølv og sparepærer ...)
 - a. This paper contains relevant references in English – please consult the reference list.
 - b. A first calculation of the possible energy, CO2 and Hg saved if all energy saving lamps is replaced with LED is made. The calculation is made on the assumption that the LED lamp use approx. 25% less energy. For Denmark the result is 46,8 GWh, 16983 tons CO2 and 0,4 kg Hg. This corresponds all in all to approx. 15 million Euro.
3. <http://mst.dk/service/publikationer/publikationsarkiv/2010/jul/survey-and-health-assessment-of-mercury-in-compact-fluorescent-lamps-and-straight-fluorescent-lamps/>
4. Finally I have attached the former commission assessment on Hg in lamps. In this assessment from 2009 a large share of the energy consumption is from fossil fuel. Please consider if the use of alternative energy sources such as e.g. wind mills have not changed the balance on Hg emissions.

Kind Regards

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