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| <b>Title of the measure:</b> | HOU-GER48 - National Top-Runner Initiative (NTRI) |
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### **General description**

The national top-runner initiative (NTRI) is meant to provide information, promote dialogue and inject new ideas for improving energy efficiency of electricity-using products (BMW<sub>i</sub> 2017). It aims to work alongside the value chain – from the product manufacturers, over retail trade to the consumers – in order to accelerate the market penetration of highly energy efficient products and services (top runners).

According to the current concept, the NTRI includes the following elements:

- Consumer-oriented communication on electricity efficiency
- Product-related energy efficiency in households
- Activating retailers as efficiency multipliers
- Activating manufacturers to develop future top runners
- A national online database, and
- A stakeholder dialogue on product efficiency.

The NTRI was launched on 1 January 2016. In the period 2016-2018, the yearly public budget for the NTRI amounts to 2.8 million Euro per year (BMUB 2016).

### **Impact evaluation**

A parallel evaluation project will determine the savings effects of this measure. First results will probably be available in the course of 2017.

A first ex-ante impact assessment until 2020 was made for the “National Action Plan Energy Efficiency (NAPE) in 2014 (BMW<sub>i</sub> 2014; Fraunhofer ISI et al. 2014). A first update of these estimates was made in the “Climate action report 2016” (BMUB 2016) (see Table 1). The estimate still includes the impact of a stronger market surveillance, which was originally included in the measure but which is now treated as a separate policy measure. A longer term estimate was done in Projection report 2017 (BMUB 2017), see Table 1.

Table.1: Estimate of final energy savings achieved by the measure “*National Top-Runner Initiative (NTRI)*”

| <b>National Top-Runner Initiative (NTRI)</b>             | 2016 | 2017 | 2018 | 2019 | 2020 | 2025 | 2030 | 2035 |
|--|------|------|------|------|------|------|------|------|
| Cumulated annual savings (PJ) – high variant (BMUB 2016) | 1.3  | 2.6  | 3.9  | 5.2  | 6.5  |      |      |      |
| Cumulated annual savings (PJ) – low variant (BMUB 2016)  | 0.8  | 1.6  | 2.4  | 3.2  | 4.0  |      |      |      |
| Cumulated annual savings (PJ, BMUB 2017)                 |      |      |      |      | 4.0  | 9.0  | 10.1 | 11.5 |

Sources: BMUB 2016 - Note: Figures re-calculated from CO<sub>2</sub> reductions to final energy savings by Fraunhofer ISI. BMUB 2017.

### **References**

BMUB (Federal Ministry for the Environment, Nature Conservation, Buildings and Nuclear Safety). Climate action report 2016. The German Government’s Climate Action Program 2020. December 2016. <http://www.bmub.bund.de/service/publikationen/downloads/details/artikel/klimaschutzbericht-2016/> (at the moment only available in German).



BMUB (Federal Ministry for the Environment, Nature Conservation, Buildings and Nuclear Safety). Projection report 2017. Greenhouse gas reporting. April 2017. <http://www.bmub.bund.de/service/klima-klimaschutz-download/artikel/projektionsbericht-der-bundesregierung-2017/> (at the moment only available in German)

BMWi (Federal Ministry for Economics and Energy). 2014. Making more out of energy: National Action Plan on Energy Efficiency. Berlin: BMWi. <http://www.bmwi.de/EN/Topics/Energy/Energy-Efficiency/nape.did=680402.html>.

BMWi (Federal Ministry for Economics and Energy). 2017. National Energy Efficiency Action Plan (NEEAP) 2017 for the Federal Republic of Germany. [https://ec.europa.eu/energy/sites/ener/files/documents/de\\_neeap\\_2017\\_en.pdf](https://ec.europa.eu/energy/sites/ener/files/documents/de_neeap_2017_en.pdf)

Fraunhofer ISI, Fraunhofer IFAM, Ifeu, Prognos, Ringel M. 2014. Ausarbeitung von Instrumenten zur Realisierung von Endenergieeinsparungen in Deutschland auf Grundlage einer Kosten-/Nutzen-Analyse. Wissenschaftliche Unterstützung bei der Erarbeitung des Nationalen Aktionsplans Energieeffizienz (NAPE). <http://www.bmwi.de/DE/Mediathek/publikationen.did=677320.html>. English summary available at: [http://www.isi.fraunhofer.de/isi-en/x/projekte.php#anchor\\_f638d6f0\\_Accordion-2-Business-Unit-Energy-Policy](http://www.isi.fraunhofer.de/isi-en/x/projekte.php#anchor_f638d6f0_Accordion-2-Business-Unit-Energy-Policy).

**General links:**

- <http://www.bmwi.de/Redaktion/EN/Dossier/energy-efficiency.html>
- [http://www.bmwi.de/Redaktion/EN/Textsammlungen/Energy/energieverbrauchskennzeichnung-von-produkten.html?cms\\_artId=255488](http://www.bmwi.de/Redaktion/EN/Textsammlungen/Energy/energieverbrauchskennzeichnung-von-produkten.html?cms_artId=255488)

