

Government Offices of Sweden

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Ministry of Infrastructure

European Commission  
Directorate-General for Energy  
1049 Brussels  
Belgium

**Sweden's annual report for 2020 under Article 24(1) of Directive 2012/27/EU of the European Parliament and of the Council on energy efficiency**

Please find enclosed Sweden's report on the progress achieved towards national energy efficiency targets pursuant to Article 24(1) of Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC.

Regards

Pontus Söderström

## **Sweden's annual report for 2020 under Article 24(1) of Directive 2012/27/EU of the European Parliament and of the Council on energy efficiency**

Under Article 24(1) of Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC, each Member State must, by 30 April each year as from 2013, report on the progress achieved towards national energy efficiency targets.

A detailed framework for annual reporting is set out in Part 1 of Annex XIV to the Directive, showing which indicators provide a basis for monitoring progress towards the indicative national energy efficiency targets for 2020. Values for the various indicators are to be reported for the year 2 years prior to the current one, except for energy savings in buildings owned and used by central government. The 2020 report therefore contains indicators for 2018.

Compared to 2017, final energy consumption decreased in 2018. Energy consumption in the housing, service, industry and transport sectors decreased in all cases compared to the previous year.

Fuel input for thermal power generation grew slightly in 2018, mainly because of increased nuclear power generation. Electricity generation from combined heat and power was virtually unchanged from the previous year.

### **Table 1. Indicators for monitoring progress towards the indicative national energy efficiency target**

Indicator	Unit	Value 2018
i) Primary energy consumption, defined as gross domestic consumption, excluding non-energy uses	TWh	527
ii) Total final energy consumption	TWh	373
iii) Final energy consumption	TWh	373
- of which industry	TWh	141
- of which transport (split between passenger and freight transport, if available)	TWh	84
- of which households and services	TWh	147
iv) Gross value added by sector: <sup>1</sup>		
- industry (SN110-33)	SEK million in 2018 prices	644,218
- services. (SN145-98)	SEK million in 2018 prices	2,198,363
v) Disposable income of households	SEK million in 2018 prices	2,263,808
vi) Gross domestic product (GDP).	SEK million in 2018 prices	4,833,785
vii) Electricity generation from thermal power generation	GWh	80,783
- of which nuclear power	GWh (net)	65,801
viii) Electricity generation from combined heat and power, including in industry	GWh (net)	14,965
ix) Heat generation from thermal power generation	GWh	n/a <sup>a</sup>
x) Heat generation from combined heat and power, including industrial waste heat	GWh	39,379
- of which industrial waste heat	GWh	n/a <sup>b</sup>

<sup>1</sup> Source, points (iv)-(vi) and (xiv): Statistics Sweden

xi) Fuel input for thermal power generation	GWh	214,297
- of which oil	GWh	416
- of which natural gas	GWh	685
- of which biofuels	GWh	15,232
- of which coal, including coke oven gas and blast furnace gas	GWh	1,918
- of which nuclear fuel	GWh	193,939
xii) Passenger-kilometres <sup>2</sup>	Million pkm	154,079
xiii) Tonne-kilometres	Million tkm	104,987
xiv) Population (as at 31.12.2018)	Persons	10,230,185
xv) Total building floor area of buildings with total useful floor area of $\geq 250$ m <sup>2</sup> owned and occupied by central government (as at 1.1.2014)	m <sup>2</sup>	3,807,000
xvi) Energy savings in buildings owned and occupied by central government in accordance with Article 5(6) (2019)	GWh	61.4
xvii) Energy savings in buildings owned and occupied by central government in accordance with Article 5(6) ( <i>correction re 2018</i> )	GWh	55.7
xviii) Energy savings achieved through alternative instruments in accordance with Article 7(9) (2018)	TWh	16.7

<sup>1</sup> Sweden's energy statistics do not include data on heat generation from thermal power generation.

<sup>2</sup> Although the total quantity of industrial waste heat stood at 4,793 GWh in 2018, this cannot be given as a sub-item of heat generation from combined heat and power plants.

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<sup>2</sup> Source, points (xii) and (xiii): Transport analysis. New time series since 2017, not comparable with the previous series. Freight transport has been assessed using new methods since 2018.