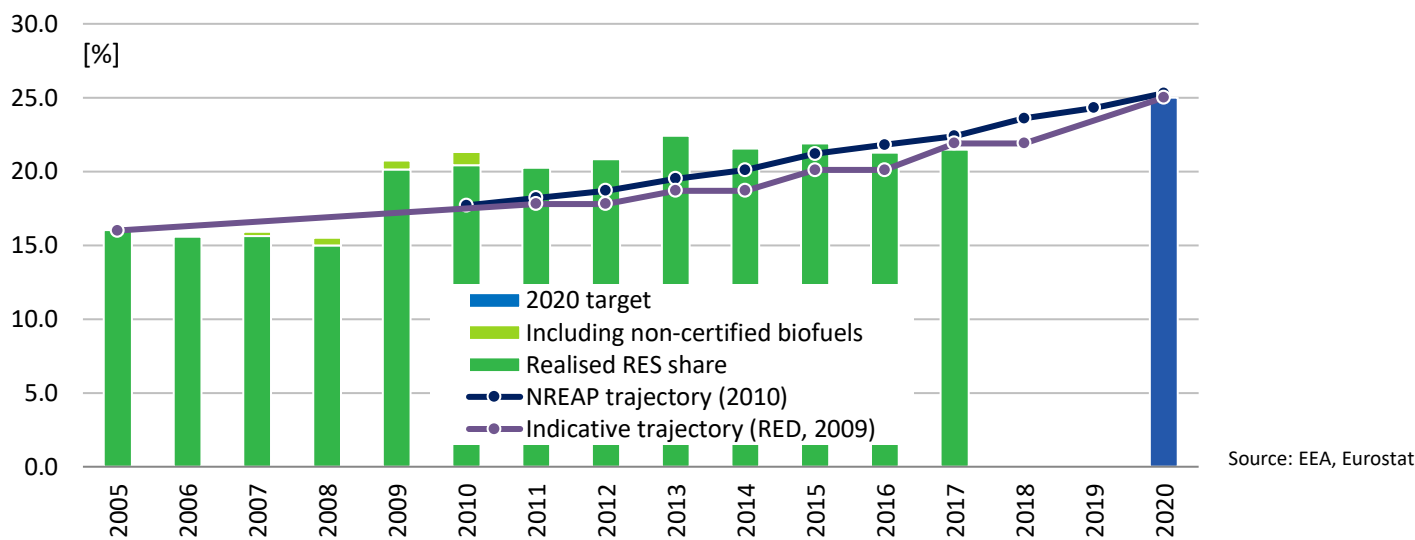


Summary

In Slovenia, electricity from renewable sources is promoted through feed-in support awarded through annual tenders for renewable power plants commissioned on 22 September 2014 or later. Renewable electricity generating installations, commissioned before that date can sell their electricity to the Slovenian power market operator Borzen at a feed-in tariff or a feed-in premium. Renewable energy sources for heating purposes are promoted mainly through loans on concessional terms and subsidies. The main incentives for renewable energy use in transport are a biofuels quota scheme, tax exemptions and soft loans.

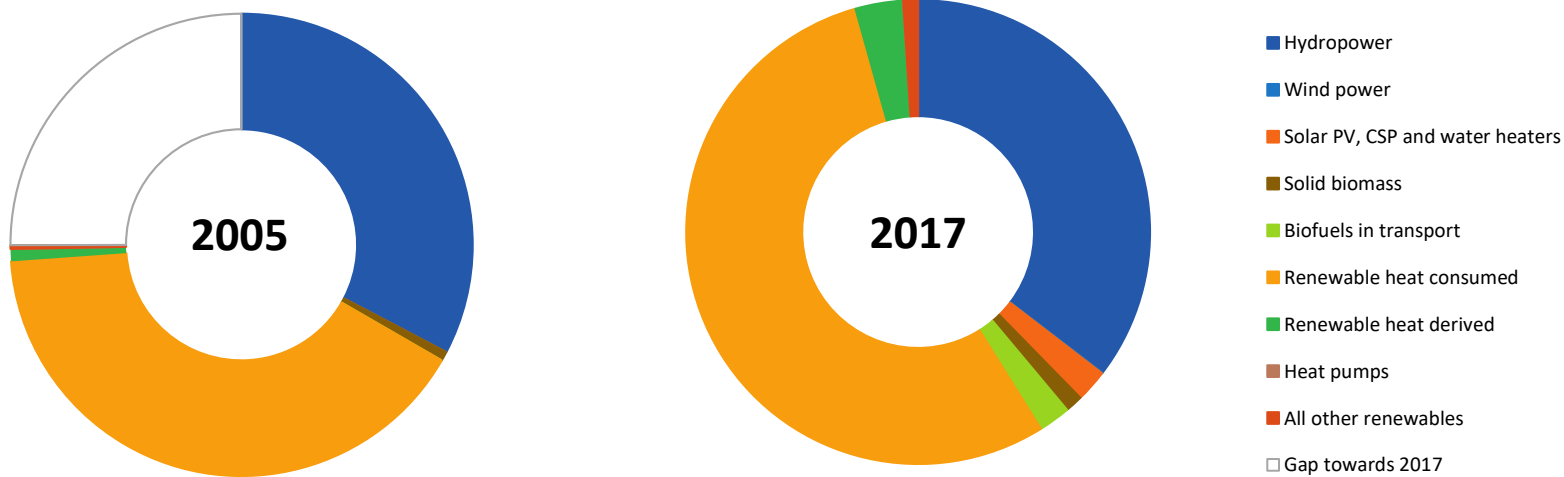


Abbreviations used:

RES: renewable energy sources
 RES-E: renewable electricity
 RES-H/C: renewable heating/cooling
 RES-T: renewable transport fuels

Data for 2017

Overall RES share:	21.5%	Avoided fossil fuels:	2.1 [Mtoe]
Overall RES 2020 target:	25.0%	Avoided fuel expenses:	0.8 [billion euro]
Share RES-E in electricity:	32.4%	RES Turnover:	350 [MEUR]
Share RES-T in transport:	2.7%	RES Employment:	4300 [jobs]
Share RES-H/C in heating:	33.2%		



Source: Eurostat, 2019.

	2005		2017		
	Energy		Energy	Employment	Turnover
Hydropower	354.7 ktoe		383.8 ktoe	800 Jobs	60 MEUR
Wind power	0.0 ktoe		0.5 ktoe	<100 Jobs	<10 MEUR
Solar PV, CSP and water heaters	0.0 ktoe		24.4 ktoe	200 Jobs	20 MEUR
Solid biomass	7.0 ktoe		13.3 ktoe	1500 Jobs	110 MEUR
Biofuels in transport	0.0 ktoe		24.1 ktoe	500 Jobs	60 MEUR
Renewable heat consumed	439.6 ktoe		591.5 ktoe		
Renewable heat derived	9.4 ktoe		36.0 ktoe		
Heat pumps	0.0 ktoe		0.0 ktoe	900 Jobs	60 MEUR
All other renewables	2.8 ktoe		11.2 ktoe		
Gap towards 2017	271.5 ktoe				

Source: Eurostat, EurObserv'ER, 2019.

Hydropower jobs & turnover only covers 'small hydropower'. PV=Photovoltaics, CSP=Concentrated Solar Power. Biofuels in transport only covers compliant fuels (employment and turnover additionally cover the non-compliant biofuels). Derived heat includes heat produced in main activity producer plants and heat sold produced in autoproducer plants. Its counterpart is the final heat consumption in the final consumption sectors (such as households).



CURRENT RENEWABLE ENERGY POLICY

Policies and measures promoting the use of renewables for producing electricity are:

- The Slovenian Energy Agency publishes annually an open call for *tenders* for plants producing electricity from renewable energy sources and high efficient cogeneration with a capacity not exceeding 10 MW_e (20 MW_e for renewable CHP plants, 50 MW_e for wind energy). In principle, all RES-E technologies are eligible. Production facilities connected to the grid after 22nd September 2014, can take part. Through the annual tender, with separate windows for distinct technology groups, project developers can bid in a cost of energy bid for access to floating feed-in premium. Applications that turn out to exceed the technology-specific total reference cost of electricity will be rejected. Ahead of the tender call the reference cost of the variable part of the reference cost of electricity are published. After the deadline for bid applications, the full reference cost of electricity for distinct technology categories are published. Successful bidders will sign a feed-in tariff support contract with the Slovenian market operator Borzen. Ultimately the costs of the feed-in support at preferential prices have to be borne by the final electricity consumers with monthly contributions depending among other factors on voltage connection level and electricity consumption level. The operators of renewable energy plants connected to the grid before 22nd September 2014 may sell their electricity to Borzen at a "uniform annual price", i.e. the feed-in tariff. Alternatively, they can opt for a premium tariff.
- The Slovenian Environmental Fund invites applications for tenders to obtain "de minimis" investment subsidies and soft loans. "De minimis" aid amounts per application fall below the threshold for which prior notification to the European Commission is required. Public calls for tenders and applications are published on a regular basis.
- The Ministry of Infrastructure and Spatial Planning (Directorate for Energy, Energy Efficiency and Renewable Energy Sources Division) also publishes specific calls and tenders for investment subsidies. State-owned energy companies are mandated to grant the subsidy amounts to successful applicants. In principle, all RES-E technologies are eligible.
- The Slovenian Environmental Fund invites applications for soft loans. In principle, all RES-E technologies are eligible.

Policies and measures promoting the use of renewables for producing final heating and cooling energy are:

- The Eco Fund provides investment subsidies for the use of RES-H in one-family and multi-family houses by residents, for environmental investments and projects by legal entities and environmental investments of local communities as well as soft loans for citizens, groups of citizens and enterprises through calls for application and tender procedures.
- Subsidies are also competed for in tendering processes, organised by state-owned energy companies who publish public calls and tenders on a regular basis with the Ministry for Infrastructure as competent authority.

Policies and measures promoting the use of renewables in the transport sector are:

- A biofuels quota scheme obliges companies importing or producing petrol or diesel to ensure that biofuels make up a pre-defined percentage of their annual fuel sales.
- Companies producing, processing, holding, receiving or dispatching energy products are obliged to pay a defined amount of tax (excise duty). Exemption is granted for the biofuel share in automotive fuels.

- The Slovenian Environmental Fund invites electric-vehicles charging stations and biofuels production projects for applications for investment subsidies (electric-vehicles charging infrastructure) and soft loans (biofuels production).
- Purchase subsidies for companies and persons are available for battery and plug-in electric vehicles, ranging from €3000 to €7500. Battery electric vehicles are subject to significantly reduced registration tax and are exempt for the annual circulation (road) tax.

OVERVIEW OF MAIN SUPPORTING POLICIES

The main RES support measures in Slovenia are epitomized in Table 1 and Table 2 below.

Table 1: Overview of support schemes to promote renewable energy in Slovenia

	NON-FISCAL SUPPORT SCHEMES					FISCAL AND OTHER STATE FUNDED INCENTIVES		
	Feed-in tariffs	Feed-in premiums	Tenders 1)	Quota obligation with Tradable Green certificates	Quota obligation without Tradable Green certificates	Exemption on automotive fuel excise duty	Investment subsidies	Soft loans
RES-E								
- Offshore wind								
- Onshore wind	x	x	x				x	x
- Solar	x	x	x				x	x
- Hydro	x	x	x				x	x
- Geothermal	x	x	x				x	x
- Solid biomass	x	x	x				x	x
- Biogas	x	x	x				x	x
RES-H/C								
- Solar thermal			x				x	x
- Geothermal			x				x	x
- Biomass			x				x	x
- Biogas								
- Small scale installations, e.g. solar thermal collectors, heat pumps, biomass boilers and pellet stoves			x				x	x
- Others, i.e. aerothermal, hydrothermal			x				x	x
RES-T								
- Bio gasoline					x	x		x
- Biodiesel					x	x		x
- Electric-vehicle charging infrastructure							x	

- 1) RES-E tenders for floating feed-in premium are organized by the Slovenian Energy Agency with market operator Borzen as obligated party. RES-H tenders for investment subsidies organized by state-owned enterprises under the aegis of the Ministry of infrastructure

Sources: RES Legal, EurObserv'ER

Table 2: Overview of instruments used at present in Slovenia

Instrument	Description
Feed-in tariffs	Guaranteed sale of electricity at a pre-set preferential price during the support contract period. Applicable to old renewables-sourced electricity generation plants and recent medium and large-scale ones.
Feed-in premiums	Guaranteed floating premium on the average electricity benchmark price up to the pre-set reference price, updated ex-post for subsequent reference periods during the support contract period. Applies to recent medium and large-scale electricity generation plants.
Tenders	Feed-in tariffs and premiums are granted to successful tenderers.
Investment subsidies	Renewables-sourced electricity generators ,heat producers and biofuels producers are eligible to a case-specific grant from the (Slovenian) Eco Fund
Soft loans	Heat producers are eligible to a case-specific loan at concessional terms from the (Slovenian) Eco Fund
Tax credits scheme	Partial or full exemption of a certain excise duty for biofuels producers.
Biofuels quota scheme	Importers/suppliers of transport fuels are subject to a renewable quota scheme for biofuels. Compliance based on sample testing rather than certificates-based. No (direct) incentives for other alternative transport fuels.

For further information:

CEER, 2017. Status Review of Renewable Support Schemes in Europe.

http://www.ceer.eu/portal/page/portal/EER_HOME/EER_PUBLICATIONS/CEER_PAPERS/Electricity/2017/C16-SDE-56-03%20Status%20Review%20RES%20Support%20Schemes.pdf

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<https://www.eea.europa.eu/data-and-maps> (European Union), last accessed June 2017

Eurostat, 2017. Energy from renewable sources. http://ec.europa.eu/eurostat/statistics-explained/index.php/Energy_from_renewable_sources

REN21, Global Status Report 2017 http://www.ren21.net/wp-content/uploads/2017/06/170607_GSR_2017_Full_Report.pdf

IEA/IRENA Joint Policies and Measures database

<https://www.iea.org/policiesandmeasures/renewableenergy/?country=Slovenia>

Member State Progress Report, available at the Renewable Energy pages of the European Commission, <http://ec.europa.eu/energy/en/topics/renewable-energy>

RES Legal database, <http://www.res-legal.eu/search-by-country/slovenia/>

https://ec.europa.eu/commission/sites/beta-political/files/energy-union-factsheet-slovenia_en.pdf

(European Commission/ DG ENER, Energy Union Factsheet Slovenia, November 2017)

European Alternative Fuels Observatory, <http://www.eafo.eu/content/slovenia> ;

<http://www.eafo.eu/eu>

What is meant by ...?

Auctions for granting renewable energy support	An auction is a process of granting production or investment support to renewable energy projects based on the lowest bids by eligible project developers.
Feed-in tariff (FiT)	A support scheme which provides for a technology-specific remuneration per unit of renewable energy payable to eligible renewable energy producers. A proper, periodic review of FiT rates is often undertaken with the aim to prevent both too high FiTs so as to minimise regulatory rents, i.e. supra-normal returns and too low FiTs to preclude below-target market uptake because of FiT levels that are perceived by market participants to be less attractive. In addition, feed-in tariffs often include "tariff depression", a mechanism according to which the price (or tariff) ratchets down over time.
Feed-in premium (FiP)	A scheme which provides for a support level per unit of renewable energy to eligible renewable energy producers, typically for a period of 10-20 years, at a pre-set fixed or floating rate. The premium is typically adjusted periodically to exactly offset change in the average energy wholesale market price, based on a pre-specified benchmark market price. A floating FiP may move freely or may only be allowed to move within a pre-set interval.
Grants	Grants are non-repayable funds disbursed by one party (grant makers), often a government department, corporation, foundation or trust, to a recipient, often (but not always) a non-profit entity, educational institution, business or an individual. (Source: Wikipedia.org)
Green public procurement	In Green public procurement contracting authorities take environmental issues into account when tendering for goods or services. The goal is to reduce the impact of the procurement on human health and the environment. (Source: Wikipedia.org)
Renewable quota scheme (RQS)	A RQS mandates certain market actors (typically retail suppliers or large energy end-users) to respect a pre-set minimum share or amount of their total energy procurements from renewable sources of energy. Typically a tradable green certificate (TGC) scheme is operated to enable the obligated parties to prove their compliance with the prevailing renewable quota target by means of TGCs.
Sliding feed-in-tariff	A FiT scheme which pre-sets technology-specific declining feed-in tariffs for certain prospective vintages in line with the technology-specific learning curve, as projected by the National Regulatory Agency (NRA). Often a depression rate is used indicating the %/annum decrease in the rate level.
Soft loans	Loans at concessional (below market-based) terms, for example at sub-market-conform interest rates, made available in several Member States to stimulate certain renewable energy technologies.
Tax credits	These are amounts a tax paying entity is allowed to deduct when declaring payable taxes, for example company tax or income tax, to the tax authorities, for example the producer tax credits (PTCs) used in the United States to stimulate among others wind energy deployment.



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