



Content summary of the Regional Energy Plan

Under art.5 of the Italian law 10/1991, Italian Regions are required to draft an Energy Plan and, accordingly, Autonomous Region Friuli Venezia Giulia Regional Law 19/2012 (*Regulations on the promotion of energy efficiency and the use of renewable sources in the regional territory*) sets out the guidelines to develop the Regional Energy Plan (PER).

The PER is a dedicated tool to support the Regions in the analysis of the energy situation in their territories, providing all the regional departments, local authorities, businesses, and citizens with a pathway to ensure that socio-economic development is sustainable and aligned with the current EU decarbonisation goals to tackle climate change.

The PER of Autonomous Region Friuli Venezia Giulia will include the goals established by the European Green Deal and will consider the adoption of the tools recommended by the EU to achieve them while ensuring that the objectives set out by the Sustainable Development Strategy are not neglected. Furthermore, the entire process will valorise regional natural resources and will capitalise on regional territorial features.

The commitment of Autonomous Region Friuli Venezia Giulia to achieve the long-term goal of Zero emission by 2045 and to reduce the greenhouse-gases emissions to a level at least equal to the national target assigned by the European Union for 2030, is embodied in the regional law of 17 February 2023, namely FVGreen. The PER is therefore a crucial tool for fulfilling the law obligations. The pillars of the regional energy strategy are twofold: energy security and energy independence.

Energy security entails that the Region guarantees a permanent and inclusive energy supply. Energy independence, instead, refers to the Region's will to strengthen and develop the overall regional renewable energy system. This pillar is underpinned by the optimisation of industrial processes and the improvement of the energy performance of buildings.

Italy pursues to reach the target of 40,5% of gross final energy consumption from renewable sources in 2030, outlining an ambitious enabling path for renewable sources and their full integration into the national energy system. Notably, a gross final energy consumption of about 100 Mtep is estimated, of which 43 Mtep is from renewable energy sources.

Autonomous Region Friuli Venezia Giulia sets out in the PER the targets for increasing the domestic gross consumption produced by renewable energy sources from 32% in 2021 to 39% in 2030, estimating to achieve approximately a gross consumption of 45% from electric RES (33% in 2021) and 36,3% from thermal renewable energy sources (31,6% in 2021). In order to achieve the targets of the RePower EU set at the national level, the regional final gross consumption shall reach 2,47 Mtep, compared to the approximate 3,30 Mtep consumption registered in 2021.

The plan will showcase the path defined to achieve the ambitious objectives by 2030 and 2045.

Currently in force, the PER of 2015 draws from a temporal frame set to 2020, forecasting consumptions and emissions trends related to 2030. The new Plan will outline the path towards the achievement of the objectives by 2030, also showcasing the direction that will lead the Region to be climate-neutral by 2045.

The following table sums up the overall structure of the Regional Energy Plan objectives:

Macro-Objective	Overall Objective	Plan Objective
Energy Security	Guarantee the continuity of the service supply	Develop Renewable Energy Communities (CER, <i>Comunità Energetiche Rinnovabili</i>)
		Develop and protect networks
		Spread collective self-consumption
		Increasing energy resilience for industries
	Guarantee access to energy	Guarantee energy supply to areas which lacks gas networks
		Decrease energy poverty
	Promote citizens' active participation in energy transition	Promote social and community awareness
Energy Independence	Decrease consumption and improve the efficiency of systems	Decrease energy consumption in the Public Administration
		Decrease private consumption and improve private systems' efficiency
		Decrease consumption of industries
		Move consumption toward electrification
	Increase production from Renewable Energy Sources (FER, <i>Fonti di energia rinnovabili</i>)	Facilitate the authorisation process
		Develop wood biomass production chain
		Promote energy self-sufficiency in the agriculture sector
		Develop hydrogen production chain
		Enhance scarce energy sources

Following the analysis of sector-by-sector future projections, the path for the Region to meet its targets has been set out. The intervention strategies establish a baseline for each macro-objective and will be the guidelines to define the actions. The first table includes the actions entailing Energy Security, while the second table includes those entailing Energy Independence:

Macro-objective: ENERGY INDEPENDENCE		
Overall objective	Plan's objective	Action line
Guarantee service continuity	Develop Renewable Energy Communities (CER, Comunità Energetiche Rinnovabili)	Sectoral analysis
		Provision of technical support tools
		Region-driven interventions (works, installations, equipment)
		Governance activities
		Grants for constructions projects and installations
	Develop and protect networks	Governance activities on electricity networks
		Sectoral studies on electricity networks
		Sectoral studies on gas networks
	Encourage collective self-consumption	Grants for constructions projects and installations
		Information and awareness
Increase energy resilience for industries	Grants for constructions projects and installations	
Guarantee access to energy	Guarantee energy supply to areas lacking gas grid	Sectoral studies
	Decrease energy poverty	Grants for constructions projects and installations supporting vulnerable groups
		Information and awareness on new behavioral habits
		Governance activities
Promote social and community integrity	Information and awareness	
	Governance activities	

Promote people's active participation in energy transition		Regione-driven interventions
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Macro-objective: ENERGY SECURITY		
Overall objective	Plan's objective	Action line
Decrease consumptions and improve system efficiency	Decrease consumption in the Public Administration	Grants for the preparation of municipal-level energy and street lighting plans
		Regione-driven Interventions (works, installations, equipment)
		Technical support trainings and tools
	Decrease private consumption and improve private system efficiency	Information and awareness
		Grants for works and installations
	Decrease consumption of the business sector	Information and awareness
	Boost consumption's eletrification	Regione-driven interventions on transportation (works, installations, equipments)
		Governance activities
		Training of professional roles
	Increase production from Renewable Energy Sources (FER, Fonti di energia rinnovabili)	Simplify authorisation process
Develop wood bio-mass production chain		Grants for construction projects and installations
		Information and awareness
		Governance activities
Promote energy self-sufficiency in agriculture sector		Governance activities
		Technical support trainings and tools
Develop hydrogen production chain		Regione-driven interventions (works, installations, equipment)
		Grants for construction projects and installations

		Training of professional roles
	Enhance less available energy sources	Sectoral studies
		Grants for construction projects and installations

In 2023, the Central Directorate for Environmental Defense, Energy and Sustainable Development, in collaboration with ENEA, engaged in a discussion process with a wide variety of stakeholders external to the organisation and inter-departmental working groups.

Under decision 2080/2023, the Regional government started a process of strategic environmental assessment, issuing as follow:

- a preliminary version of the Regional energy plan
- the preliminary strategic environmental assessment report, drafted in compliance with art. 13 of legislation 152/2006
- the list of stakeholders to be involved in the strategic environmental assessment process

The complete documentation in Italian is published on the Regione FVG website, at the following link:

<https://www.regione.fvg.it/rafvfg/cms/RAFVG/ambiente-territorio/energia/FOGLIA129/>