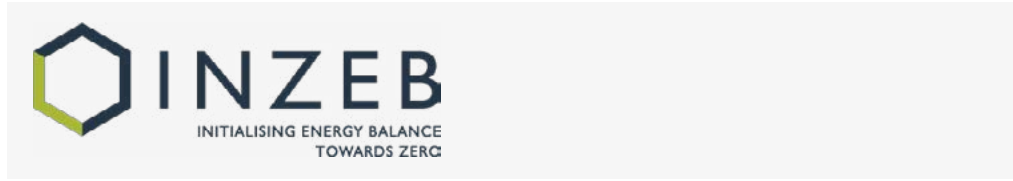


RENOVATE2RECOVER: HOW TRANSFORMATIONAL ARE THE NATIONAL RECOVERY PLANS FOR BUILDINGS RENOVATION?

NATIONAL PARTNER:



COUNTRY:

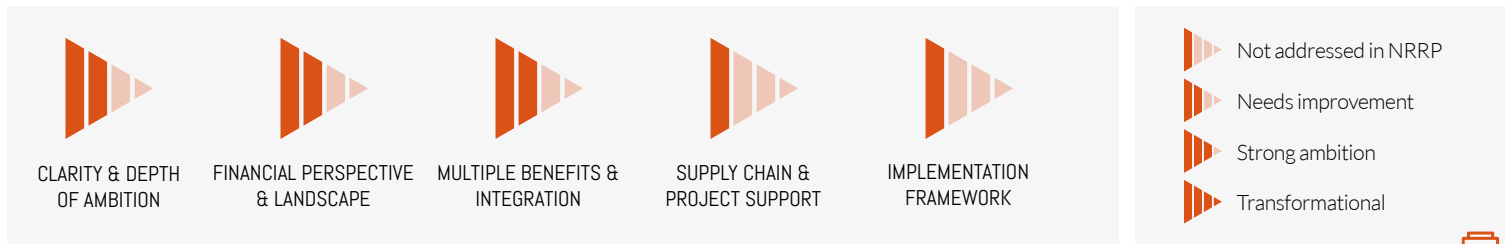


OVERVIEW:



Greece's Country Profile is based on information provided by Renovate Europe's Greek National Partner [INZEB- Initialising Energy Balance towards Zero](#). This Country Profile focuses on the buildings elements in the Greek National Recovery and Resilience Plan (NRRP) endorsed by the Commission in June 2021.

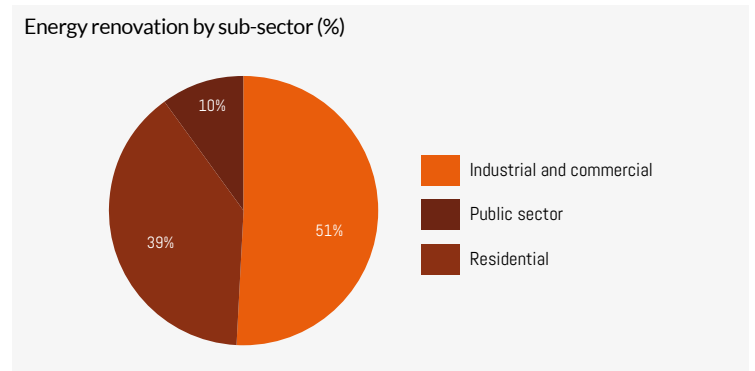
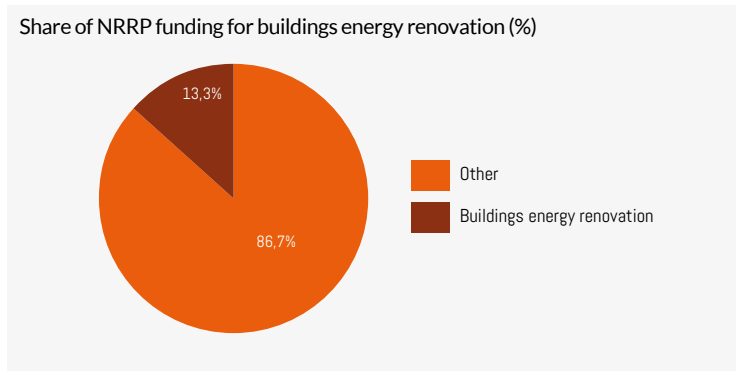
The Plan allocates around 13% of funding to energy efficiency improvement. It can benefit from further measures to raise public awareness and support uptake of measures, clearer milestones for delivery and further activity to support the leveraging of private capital, supply chain and project support.



BUILDINGS IN THE CONTEXT OF THE PLAN



Greece has requested a total of €30.5bn in support under the Recovery and Resilience Facility including €17.8 bn in grants and €12.7bn in loans. Energy renovation of buildings features throughout the Plan both as an individual sub-component as well as part of wider investment across the public sector, with total funding amounting to €4.1bn. Notably, nearly €1.3bn are earmarked for investing in energy savings in homes, with a further €350m allocated to adaptation and further energy efficiency as part of regeneration plans. A separate Loan Facility will provide close to €1.4bn for energy efficiency and demonstration projects in SMEs or large enterprises alongside €450m in the form of grants. Funding is also provided in specific industries like tourism (€119m) and education and vocational training (€108m), bringing the total for business/commercial sector to just over €2bn. €200m is dedicated to public sector buildings and energy infrastructure of public entities. Further funding is allocated for energy renovation of health infrastructure (€189m) and the justice system (€27m). Energy efficiency of buildings features as part of other modernisation programmes, but precise allocations are unclear. Some funding is in place for new buildings as well and for some reforms like a review urban planning practices. They have not been included in the chart below.



National Challenges

A [Study for the EC](#)¹ estimates that for residential buildings in Greece only 1.1% of annual renovations were medium depth and 0.2% deep renovations. For non-residential buildings the estimated number is 2.9% for medium, and 0.4% deep. In order to increase the rate and depth of renovation, two of the main challenges that need to be overcome are raising public awareness of the benefits of energy efficient buildings and increasing the rate of private funding for energy renovation. Energy poverty is also a significant social challenge; an estimated ~18% of the population is unable to keep their homes adequately warm in 2019 according to the EU Energy Poverty Observatory².

¹ [Comprehensive study of building energy renovation activities and the uptake of nearly zero-energy buildings in the EU - Publications Office of the EU \(europa.eu\)](#)

² EU Energy Poverty Observatory link [here](#)

Renovation plan details

CLARITY AND DEPTH OF AMBITION



The NRRP sets the target at medium depth (at least 30% primary energy savings) for the residential sector and the main scheme for public sector buildings, while some of the remaining schemes (e.g., health and tourism) are not associated with minimum energy saving requirements. Targets are largely set in terms of number of properties to be renovated across the public, private and residential sectors. For the latter there is also an overall energy saving target of 213 ktoe. Links to the LTRS are drawn, but ambition remains relatively low in comparison. The NRRP does not clearly state whether holistic measures are supported or whether the Energy Efficiency First Principle would be applied. The energy saving programmes would be evaluated mainly on the basis of an EPC upgrade but prior to their launch in September 2021 some of the details remain unknown.

FINANCIAL LANDSCAPE AND PERSPECTIVE



According to Greece's NECP, total planned budget for energy efficiency measures is estimated at €11bn, which is assessed by the Commission as "credible but not sufficiently ambitious"³. In this context the €4.1bn included in the NRRP budget are significant and the Loan Facility to finance investment in energy efficiency for enterprises can provide a significant contribution towards leveraging private capital. Mobilisation of further funding would still be necessary to meet objectives, including in other sectors. The relationship between the NRRP funds and other public funding sources has not been elaborated in detail.

MULTIPLE BENEFITS AND INTEGRATION



The NRRP also includes a proposal to introduce reforms to address energy poverty by creating a framework that will introduce monitoring and energy poverty reduction mechanisms. The stated aim is to reduce energy poverty by 50% until 2025 and by 75% by 2030. Decarbonisation measures focus on renewable energy generation and electricity network resilience rather than deployment of building-level technologies. Greece's NRRP allocates €73m to the digitalisation of buildings by installing an optical fibres infrastructure with the goal of developing modern technological applications and the optimal connection of citizens to data sources. The promotion of energy management systems and deployment of e-mobility infrastructure are also foreseen as part of the renovation programmes in the residential sector, alongside support for climate adaptation and regeneration of urban and coastal areas.

SUPPLY CHAIN AND PROJECT SUPPORT



Greece's NRRP does not allocate funding for technical assistance such as the development of one-stop-shops to support energy renovation, although discussions around the model have been ongoing within industry and other initiatives (e.g., through the national Sustainable Energy Investment Forums (SEIFs))⁴. Two programmes are proposed for upskilling and training for green skills including a new strategy for modernisation and lifelong learning, but these programmes are still under development and it remains unclear if they will be a comprehensive path to upskilling and certification of energy professionals.

IMPLEMENTATION FRAMEWORK



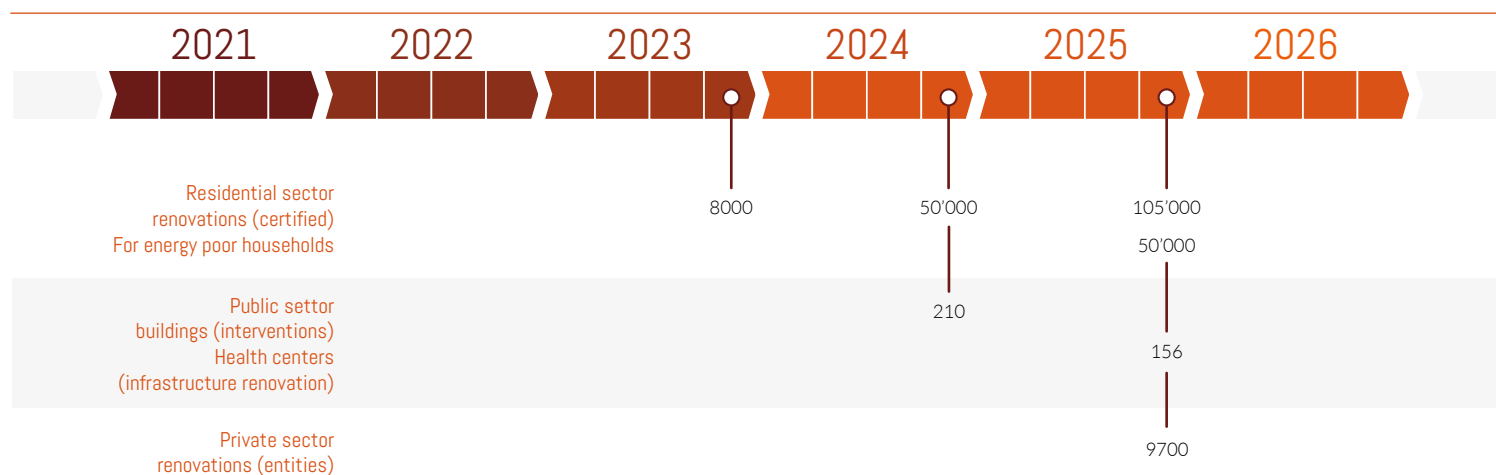
The Recovery and Resilience Facility Coordination Agency, part of the Ministry of Finance, is the lead body to oversee the coordination of the Plan and monitor implementation, while individual bodies will be responsible for different components of the Plan. However, according to the European Commission assessment, the majority of implementing bodies including for the renovation component of the plan have not been identified and this makes capacity assessment a challenge. Intermediate milestones and targets have been set for some, but not all measures in the Plan.

³ Commission Staff Working Document: Analysis of the recovery and resilience plan of Greece [here](#)

⁴ SMAFIN National Roundtable summary: [here](#)



TRACKING/ TIMELINE TO 2026



RECOMMENDATIONS FOR IMPROVEMENT DURING IMPLEMENTATION

Greece's NRRP can make a significant positive contribution in the country by making key steps around the provision of public funding, establishing a framework for energy poverty, and creating new financing tools for enterprises. There are opportunities to make further progress in several areas:

- ▶ Invest in the creation of one-stop-shops and sufficient technical assistance to address key challenges linked to lack of awareness and support to help with uptake of energy renovation measures.
- ▶ Ensure that the planned education and vocational reforms support upskilling and re-skilling of energy professionals including installers.
- ▶ Strengthen the implementation framework by assigning clear implementing bodies, monitoring and reporting processes and programme delivery outcomes

NOTE

The survey was complemented with a targeted desk-based review of Greece's Long-term Renovation Strategy (LTRS) to place its NRRP in context.

Relevant extracts from the Commission Staff Working Document and the Council Implementing Decision for the Greek NRRP

This Annex is to be read as a supporting document to the Country Profile. While the Country Profile centres more specifically on the renovation-related investments, the Annex is more broad and covers the climate-related reforms and investments of interest to buildings.

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
COMPONENT 1.2: RENOVATE				
The renovate component of the Greek recovery and resilience plan under the green pillar shall increase energy efficiency, enhance economic growth, create job opportunities and promote social resilience. It comprises of targeted reforms and investments to reduce CO2 emissions, support for the achievement of the climate "neutrality" of urban areas and the enhancement of the climate resilience of cities' and their building stock. The component provides incentives for building renovations and energy upgrades that shall be instrumental in the regeneration of urban areas and energy poverty mitigation and shall contribute to achieving the targets set out in Greece's National Energy and Climate Plan (NECP).				
Investment: Energy renovation on residential buildings (measure ID: 16872)				
The investment shall improve the energy efficiency of residential buildings. It comprises renovations that shall yield significant primary energy savings, thus contributing to the relevant NECP targets. It shall improve the digitalisation of final energy consumption through energy management systems and promote the deployment of e-mobility infrastructure, such as charging stations for electric vehicles. It shall also provide earmarked funds targeting energy poor residences, thus establishing a link with the reform aiming to prepare an energy poverty action plan				
Residential renovation – 1st round launch	1 253	Q4 2020	1/3/5/7/9	Entry into force of a Joint Ministerial Decision to launch the programme for the first round renovations including setting up a selection process to ensure that the primary energy consumption of residences is reduced by at least 30% compared to the residence's initial performance calculated in kWh/m2. The Joint Ministerial Decision shall set out: - Implementation mechanism; - Selection process to achieve set primary energy saving target; - Certification mechanism to validate actual primary energy savings achieved (incl. details of possible corrective actions to ensure that primary energy saving target is met); and - Timeline.
Residential renovation – 2nd round launch including energy poor households		Q3 2022		Entry into force of a Joint Ministerial Decision to launch the programme for the second round renovations and the launch of the Programme for the energy poor residences Specific provision for earmarked funds to target energy poor residences, as defined by criteria of the energy poverty action plan.
Residential renovation – 3rd round launch including energy poor households		Q4 2022		Entry into force of a Joint Ministerial Decision to launch the programme for the third round renovations
Renovation of residences #1		Q4 2023		8.000 certified renovations completed. Renovations to improve energy efficiency completed for the number of residences, equivalent to energy reduction of 30 ktoe and with primary energy savings, on average, of at least 30%. The certification issued by the Hellenic Development Bank shall provide verification of the primary energy savings achieved as confirmed by the General Directorate of the Body of Inspectors and Auditors. The certificate shall be submitted on the electronic platform https://www.buildingcert.gr/
Renovation of residences #2		Q4 2024		50.000 (baseline 8.000) certified renovations completed.
Renovation of residences #3		Q4 2025		50.000 (baseline 8.000) certified renovations completed.
Renovation of residences for energy poor households		Q4 2025		Completion of interventions to achieve energy savings for at least 50 000 energy-poor households equivalent to primary energy savings, on average, of at least 30% for the entire investment.

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
Investment: Interventions in residential areas and in the building stock (measure ID: 16873)				
This investment comprises: 1) Climate change adaptation and mitigation interventions in 16 urban and coastal areas such as the protection of urban landmarks of significant importance and the promotion of the climate neutrality of cities; 2) The regeneration of the former industrial area of Votanikos / Elaionas at the heart of Athens; 3) The upgrade of a seafront to make it accessible for cyclists and pedestrians along the coast of Athens (Athens Riviera); and 4) Other strategic interventions selected through an open call to municipalities that shall promote climate change adaptation and contribute to primary energy savings and reducing GHG emissions.				
		Q2 2023/ Q4 2024	4/9	Notification of the award of the contract(s) for the appointment of private sector partner(s) to carry out, by 30 September 2025, the works for the (i) improvement of urban environment and public space in selected municipalities following an open call aiming to strengthen climate resilience; (ii) urban regeneration of the ex-industrial area of Votanikos / Elaionas, including public re-use of the Navy military camp, renovation of the Agricultural University of Athens (AUA) campus; (iii) Athens Riviera: cycling infrastructure; and (iv) other strategic interventions, which shall be selected, following an open call to municipalities covering: (1) energy efficiency and demonstration projects in SMEs or large enterprises and achieving, at least, a medium-depth level renovation as defined in Commission Recommendation on Building Renovation (EU) 2019/786, or, on average, at least a 30% reduction of direct and indirect GHG emissions compared to the ex-ante emissions; (2) construction of new energy efficient buildings and with a Primary Energy Demand (PED) that is, at least, 20% lower than the NZEB requirement (nearly zero-energy building, national directives); and (3) nature and biodiversity protection, natural heritage and resources, green and blue infrastructure.
Adaptation and climate resilience measures	160			
Eleonas/ Votanikos _Energy efficiency measures	116			
Other Strategic Interventions - Energy efficiency measures	77			
Other Strategic Interventions - Construction of new energy efficient buildings	47			
		Q4 2025		Complete all works under (i) Interventions aiming to improve urban environment and public space; (ii) Urban regeneration of the ex-industrial area of Votanikos / Elaionas; (iii) Athens Riviera: cycling infrastructure; and (iv) Other strategic interventions.
Investment: Infrastructure development and buildings' restoration in former royal estate in Tatoi (measure ID: 16875)				
The investment comprises the renovation of buildings and upgrading their energy efficiency and infrastructure networks at the Tatoi estate and creation of walking and cycling routes in its vicinity. The project shall deliver a green, renovated and freely accessible area for recreation to the inhabitants of Attica, as well as a new landmark for tourists to visit.				

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
	40	Q4 2025	9	Complete all works under the 'Infrastructure development and buildings' restoration in former royal estate in Tatoi' programme, including: (i) infrastructure works; (ii) restoration of the palace to be reused as a Museum; (iii) exhibition of the palace; (iv) restoration of the agricultural building and reuse as a museum; (v) museological study for the new agricultural building; (vi) restoration of palace gardens; (vii) conservation and restoration of artefacts; (viii) recording, documentation and registration of artefacts; and (ix) digitization of found paper archival material.
Olympic Athletic Center of Athens (ID: 16932)				
This investment in the Olympic Athletic Centre of Athens shall extend its use life, restore its image, reduce its running/energy costs and ensure its financial sustainability by turning it into a modern and lively urban athletics and leisure destination, with a view to the transfer of the Centre to the Hellenic Corporation of Assets and Participations.				
	11	Q1 2023	4/6	Notification of the award of the contract(s) for the appointment of private sector partner(s) to carry out, by end-2023, the construction and renovation works that shall enhance energy efficiency for (i) Central Stadium; (ii) Mechanical and Electrical works; and (iii) outdoor areas and start of works.
		Q2 2024		Completion of all works to achieve energy efficiencies and improve carbon footprint
Reform: Energy poverty action plan (measure ID: 16920)				
The reform consists of the adoption of an action plan to address the challenge of energy poverty. In 2019, about 18% of the total population were reportedly unable to heat their homes compared to about 34% in the subset of the economically vulnerable population (Eurostat, EU-SILC Survey). The strategy shall outline targeted policy measures to improve energy efficiency of residential buildings among economically vulnerable households.				
		Q3 2021	1	Entry into force of a Ministerial Decision by the Ministry of Environment and Energy adopting the Energy Poverty Action Plan, with three categories of policy measures in the Plan: - Awareness and information measures; - Measures for the short-term protection of the energy poor households, including (1) the definition of households experiencing energy poverty, through specific quantitative criteria, and (2) a specific process to monitor and evaluate the evolution of energy poverty, in line with the mechanism proposed within the Action Plan and in accordance with relevant EU legislation; and - Financing measures: establishment of funding mechanisms for the energy upgrade of residential buildings of energy-vulnerable households and other social groups with specific electricity consumption patterns. These financial measures shall address the energy poverty issues in Greece, as described under the National Energy and Climate Plan (NECP).
Investment: Energy and entrepreneurship (measure ID: 16874)				
The investment provides financial support to private companies for energy-efficient renovations of their buildings and processes. It includes two sub-programmes: (a) energy efficiency renovations in the tertiary and secondary sectors for medium, large and very large enterprises and (b) installation of energy efficient equipment in very small enterprises. Through the installation of energy efficient equipment and systems for energy conservation in production, storage, distribution of products and the operation of the companies, this measure contributes to increasing the energy efficiency of buildings and processes in line with the targets set out in the NECP and reduce greenhouse emissions.				
	450	Q2 2023/ Q4 2024	4/9	Approval by the Ministry of Environment and Energy of applications of 9.700 private sector entities ensuring that the greenhouse gas (GHG) emissions is reduced, on average, by at least 30% compared to the private sector entities' existing situation (as indicated through the energy audits performed prior to the interventions).

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
Investment: Energy upgrade of public sector buildings and energy infrastructure of public entities (ID: 16876)				
This investment comprises the renovation of public sector buildings with a view to increasing their energy efficiency, through the involvement of energy savings companies (ESCOs). The investment also contains the energy upgrade of street lighting infrastructures. This investment contributes to meeting the energy efficiency targets adopted in the NECP and reducing GHG emissions. For the Energy upgrade of public sector buildings programme, the legal framework to enable Energy Performance Contracts has been established.				
	200	Q2 2023/ Q4 2025	4/9	By Q2 2023, approval by the Ministry of Environment and Energy of applications for 210 public sector buildings ensuring that the GHG emissions of these respective buildings is reduced by, on average, at least 30% compared to their existing situation (as indicated through the energy audits performed prior to the interventions). Completed by Q4 2025. Interventions to improve energy efficiency completed for public sector buildings (210 buildings) with GHG emissions reduction, on average, of at least 30%, as indicated through the energy audits performed prior to the interventions. Interventions to improve energy efficiency completed for selected private sector entities (9 700 private sector entities) with GHG emissions reduction, on average, of at least 30%.
Reform: Preparation of Urban Plans in implementation of the urban policy reform (measure ID: 16879)				
This reform consists of five actions: (a) the preparation of Local Urban Plans (covering municipalities or municipal units), (b) the preparation of Special Urban Plans (plans that can cover areas belonging to more than one municipality), (c) the definition of the Development Rights Transfer Zones, (d) completing the delimitation of settlements, (5) addressing land use issues related to recognition of (municipal) road access. The reform shall address weaknesses and gaps in zoning and land use with a view to promoting sustainable economic activity and protecting the environment. The Local Urban Plans shall include a dedicated chapter on climate change measures and prevention and management of climate related risks.				
	250	Q4 2022/ Q4 2023/ Q4 2025	3/5/9	Overall, Local Urban Plans will be produced for 700 municipalities or municipal units; five Special Urban Plans, will be produced, Development Rights Transfer Zones will be defined in 50 municipal units, the delimitation of settlements will be determined in 50 municipal units and municipal roads will be determined in 120 municipal units. In total, measures will be implemented in at least 750 municipal units.
COMPONENT 3.1: PROMOTE JOB CREATION AND PARTICIPATION IN THE LABOUR MARKET				
Reform: Active Labour Market Policies Reform (measure ID: 16747)				
Contributing to green skills and jobs and the green economy	100	Q4 2023	5	Successful completion of a comprehensive upskilling/reskilling and short-term employment programme for at least 13 500 unemployed workers (aged 25-45) out of the total 15 000 beneficiaries 19% of allocated funds are expected to contribute to green skills and jobs and the green economy
COMPONENT 3.2: EDUCATION, VOCATIONAL EDUCATION AND TRAINING, AND SKILLS				
Reform: Strengthening the Apprenticeship System (measure ID: 16794)				
The aim of the reform is to re-establish the apprenticeship vocational schools of the public employment service (OAED EPAS) as an integral part of the government's strategy for vocational education and training (VET) and youth employment. Notably the reform includes 6) renovation of EPAS buildings to improve energy efficiency and spatial functionality; 9) construction of schools for professions related to the green transition; 12) financing a communication campaign to promote the apprenticeship system. A dedicated part of the allocated grants shall contribute to green skills and jobs and the green economy.				
Energy efficiency renovation or energy efficiency measures regarding public infrastructure	108	Q4 2025	9	Completion of digitisation of at least 250 training courses of the OAED Apprenticeship Vocational Schools (EPAS). The objective of the measure is to simplify learning processes and incorporate new methodologies and tools such as e-learning platforms and digitalized training content, both for apprentices and trainers. The completed construction and renovation works shall achieve, on average, at least a medium-depth level renovation as defined in Commission Recommendation on Building Renovation (EU) 2019/786 or (b) to achieve, on average, at least a 30% reduction of direct and indirect GHG emissions compared to the ex-ante emissions.

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
COMPONENT 3.3: IMPROVE RESILIENCE, ACCESSIBILITY AND SUSTAINABILITY OF HEALTHCARE				
Part of these measures focus on infrastructural, both physical and digital, and operational improvements to modernise and upgrade the hospital system and the network of health centres.				
Reform: Reform of the Primary Health Care System (measure ID: 16755)				
This reform foresees to 1) implement upgrade and energy efficient renovations and energy efficient measures regarding public infrastructure and medical equipment of at least 50% of the total health centres in the country (156 out of a total of 312)				
Energy efficiency renovation or energy efficiency measures regarding public infrastructure	189	Q4 2025	9	By Q4 2023, notification of award of contracts sent by the Ministry of Health to contractors for the renovation of at least 156 Health Centres (50% of total Health Centres in Greece) that shall upgrade through energy efficient renovations and energy efficient measures regarding the public infrastructure and medical equipment. The notification of award shall be accompanied by a sample contract specifying a timeline for completion supporting the completion date Q4 2025 and by a report highlighting main features of the works to be undertaken.
Investment: Health Infrastructure (measure ID: 16795)				
The investment consists of comprehensive interventions for the modernisation of the logistical infrastructure of hospitals throughout Greece, including the energy efficient renovation of buildings and the supply of new medical equipment.				
NHS Hospital Renovation and Infrastructure Upgrade	317	Q4 2025	9	By Q4 2025, completion of the construction and infrastructure upgrade, including electromechanical and electrotechnical infrastructure, accommodation facilities and infrastructure with amenities, medical equipment and devices, and conclusion of contracts for service level agreements (SLAs) and facility management for all 80 affected hospitals across the seven regions.
Investment: Project for the construction of a building dedicated to Cellular & Gene Therapies and Hematology Clinic Laboratories within the General Hospital of Thessaloniki "Papanikolaou" (measure ID: 16793)				
The investment foresees the creation of new buildings for the housing of the Laboratories of Cell and Genetic Therapy and Hematology Clinic at Papanikolaou Hospital, in order to keep its services in line with the increased requirements of patient care (malignant haematological diseases) and increasing demand for modern and technologies; it shall also upgrade the existing building for the transfer of laboratories and the day care unit. The newly constructed building shall comply with a Primary Energy Demand (PED) that is at least 20% lower than the NZEB requirement (nearly zero-energy building, national directives).				
	6	Q4 2025	9	By Q4 2025, completion of new three-stories building to house all specialized laboratories and special nursing unit; restructuring of the ground floor of the existing building to have enough space for outpatient clinics and day care for Papanikolaou Hospital and shall achieve a Primary Energy Demand (PED) that is at least 20% lower than the NZEB requirement (nearly zero-energy building, national directives)
COMPONENT 4.3: IMPROVE THE EFFICIENCY OF THE JUSTICE SYSTEM				
Investment: New Judicial buildings and renovations (measure ID 16292)				
The measure consists of a targeted investment for the construction and renovation of buildings that are part of the judicial system, closely linked with the revision of the judicial map, to maximize judicial efficiency and avoid unnecessary effort and expenses. All properties belonging to or used by the judiciary shall be recorded in an electronic identity registry in order to facilitate monitoring and planning. The newly constructed buildings shall all comply with a Primary Energy Demand (PED) that is at least 20% lower than the NZEB requirement (nearly zero-energy building, national directives).				

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
Construction of new energy efficient buildings	69		1/3/5/9	
Energy efficiency renovations	27			
Identification – Eligible Buildings		Q3 2021		Compilation of a list of buildings not affected by the revision of the judicial map.
Judicial Buildings Construction and Renovation - List Adjustment – Launch of tenders		Q4 2022		Adjustment of the list of projects in alignment with the revision of the judicial map as adopted in the law. Launch of the tenders regarding administrative courts.
Contracts		Q2 2023		Award of contracts for construction projects not affected by the revision of the judicial map.
Judicial Buildings Construction and Renovation – Launch of tenders		Q4 2023		Adjustment of the list of projects in alignment with the law on the revision of the judicial map. Launch of the tender for the projects regarding civil and penal court-houses included in the revised list of renovations.
Construction and renovation works		Q4 2025		Completion of all remaining new buildings and renovations launched in Q1 2023 in line with the needs of the revised judicial map.
COMPONENT 2.2: MODERNISE				
Investment: New system for Public Procurements (measure ID 16736)				
	17	Q4 2022/ Q4 2025		Award of the contract for the project new system for Public Procurement by Q4 2022. By Q4 2025, completion of the new system for Public Procurements including (9) Building Information Modelling (BIM) system.
COMPONENT 4.6: MODERNISE AND IMPROVE RESILIENCE OF KEY ECONOMIC SECTORS				
Investment: Tourism Development (measure ID 16931)				
<p>This investment aims to extend the tourism season in Greece beyond the summer months and promote alternative forms of tourism, contributing to economic resilience, sustainable growth and social and territorial cohesion. The investment comprises two parts:</p> <p>1) Green Development: development of mountain tourism covering energy efficient renovations of public infrastructure and installation of new renewable energy sources' capacity, health and wellness tourism, agro-tourism and gastronomy.</p> <p>2) Blue Development: upgrade of tourist ports' infrastructure through energy efficiency measures for existing buildings and infrastructure buildings, interventions to improve the governance, infrastructure and services offered in marinas, accessibility to beaches for older people and persons with disabilities, and to promote the development of diving and underwater tourism.</p>				

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
Energy efficient measures	111		2/5/6	
Energy efficient measures for public infrastructure	7			
Energy efficient measures for public infrastructure	1			
Tourist development: reforms for tourist ports		Q1 2022		(1) Tourist Development: Entry into force of legislation to reform the legal framework for tourist ports law to encourage new investments, including amendment of provisions relating to installation and operation licensing in line with the Investment Licensing Law 4442/2016. 2) Tourist Development: Entry into force of legislation to reform the legal framework for ski resorts to encourage new investments, including amendment of provisions relating to installation and operation licensing in line with the Investment Licensing Law 4442/2016. (3) Tourism Development: Establishment of Project Management Office for supervision of investments in upgrade of Tourist ports.
Notification of award of contracts		Q4 2023		Contract award process for Tourist port upgrades to improve energy efficiency shall be completed.
Tourist Development project completion		Q4 2025		Tourism Development: (1a) Completion of specified upgrading works on tourist ports to encourage tourism and private investments (1b) Completion of other tourism interventions to promote alternative forms of tourism and extend the season, including: - Green Development: improving destination management through the creation of local Destination Management office and associated Sustainable Tourism Observatories; development of mountain tourism covering energy efficient renovations of public infrastructure and installation of new renewable energy sources' capacity (wind); health and wellness tourism through thermal spring utilization; promotion of agro-tourism and gastronomy. - Blue Development: upgrade interventions to improve the governance, infrastructure and services offered in marinas, accessibility to beaches for older people and persons with disabilities, and to promote the development of diving & underwater tourism.
Investment: New Industrial Parks (measure ID 16634)				
The financing support shall comprise of investments in a) infrastructure for the establishment of the new generation parks (including the acquisition of the land) with specific energy efficiency criteria for the construction of new buildings and energy efficiency and demonstration projects in large enterprises and supporting measures, b) infrastructure to digitally transform and create smart industrial areas, c) solar renewable energy, d) water management and water resource conservation (investments shall have an average Infrastructure Leakage Index (ILI) of <= 1,5), e) waste water collection and treatment systems compliant with energy efficiency criteria, f) electromobility (development of refuelling networks for electric or hydrogen vehicles or refuelling points for biomethane for transport), g) projects for the rehabilitation of industrial sites and contaminated lands. The construction of new building shall comply with a Primary Energy Demand (PED) that is at least 20% lower than the NZEB requirement (nearly zero-energy building, national directives).				

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
Construction of new energy efficient buildings	7	Q1 2022/ Q4 2025	2/9	Launch of all competitive calls for proposals (completion of construction by Q4 2025) for the development of industrial parks for investments
Investment: Economic transformation on the Agricultural Sector (measure ID 16626)				
The investment consists of the following five actions to strengthen and promote the development of the agricultural sector in Greece: a) Innovation and green transition on processing agricultural products, b) modernisation of the primary sector, c) green tourism development, d) cultivation restructuring and e) animal genetic improvement. A dedicated part of the investments under a), c) and d) shall provide support on energy upgrade of production units and buildings, mechanical equipment with low energy consumption for the modernization of the existing production units.				
Energy efficiency and demonstration projects in SMEs	62	Q1 2022/ Q4 2025	2/9	
Reform: Amendment of the legal framework for the attraction of strategic investment (measure ID 16593)				
Construction of new energy efficient buildings	40	Q4 2021/ Q4 2023/ Q4 2025	2/5/9	Investments eligible for financing shall include projects that promote innovation or technology diffusion, use of renewables and transition to low carbon economy, and/or that significantly promote the competitiveness of the Greek economy at international level. Eligible investments shall comprise of investments in construction of new energy efficient buildings and support to enterprises that provide services contributing to the low carbon economy and to resilience to climate change, namely a) infrastructure with specific energy criteria for the construction of new buildings, b) hybrid power generation projects from RES in unconnected islands c) investments for the production of green hydrogen, d) systems for electric power storage produced from RES, and e) installations of offshore wind parks and offshore photovoltaic parks. The construction of new buildings shall comply with a Primary Energy Demand (PED) that is at least 20% lower than the NZEB requirement (nearly zero-energy building, national directives).
Investment: Upgrade of infrastructure, renewal of equipment and upgrade of quality of services provided by HOCRED Stores – former ARF Stores (On-spot and electronic) (measure ID 16536)				
This investment comprises energy efficiency measures, renovations, construction of the shops and workshops and provision of equipment for the physical and on-line stores and upgrades of the quality of services provided by the Hellenic Organization of Cultural Resources Development (HOCRED), which collects the proceeds from archaeological sites, historical sites, monuments and archaeological museums in Greece and manages these resources to support Greece's cultural heritage.				
	3	Q4 2025	9	
Investment: Museum of underwater antiquities (measure ID 16486)				
This investment shall restore through an energy efficient renovation an emblematic industrial building in Piraeus and shall reopen it as a museum of underwater antiquities. The investment aims to create added value from a cultural and tourism standpoint for the port city of Piraeus and the wider Athens area.				
	54	Q4 2023/ Q4 2025	5/9	Contract award on Museum of underwater antiquities by Q4 2023. By Q4 2025, completion of Museum of underwater antiquities: (1a) completion of energy efficiency works and (1b) organisation of permanent exhibition creating substantial added value for tourism and culture for Piraeus and the wider Athens area.
Culture as a driver of growth (ID: 16293)				
	30	Q4 2025	9	Completion of Culture as a driver for Growth Finalisation of sub-projects covered in Q2 2023 and completion of remaining contracts regarding the digital transformation of cultural production and distribution: providing support to Cultural and Creative Industries (CCIs) regional strategies; providing support to local craft ecosystems; broadening the use of archaeological sites and monuments as venues and events sites; promotion of the film industry. Completion of energy efficient renovations and energy efficiency measures regarding public infrastructure, demonstration projects and supporting measures by upgrading existing public buildings.

Measure/Sub-Measure Name	Budget (EUR million)	Deadline	Instalment	Milestone/ target
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COMPONENT 4.7: IMPROVE COMPETITIVENESS AND PROMOTE PRIVATE INVESTMENTS AND EXPORTS

These measures are complemented by the proposal to use loan support under the Recovery and Resilience Facility to facilitate the provision of financial incentives to the private sector, aiming to promote private investments. This loan support is expected to be channelled to the economy through three different channels, namely financial institutions (through corporate bond purchases or syndicated loans), an equity platform, and the utilisation of a part of Greece's InvestEU national compartment.

Investment: Loan Facility (measure ID 16980)

The investment concerns the use of loan support under the Recovery and Resilience Facility to facilitate the provision of financial incentives to the private sector, and promote private investments. The Loan Facility shall make use of different distribution channels, namely financial institutions (through corporate bond purchases or syndicated loans, EUR 11728 million), an equity platform (EUR 500 million), and the Member State compartment of the InvestEU Programme (EUR 500 million).

In addition, the Loan Facility shall provide for a commitment for financial institutions and InvestEU to invest at least 38.5% of the funds to support the climate transition and 20.8% of the funds to support the digital transition. Independent auditors shall verify compliance with DNSH and with the 38.5% climate target and 20.8% digital target before each request for disbursement.

Energy efficiency and demonstration projects in SMEs or large enterprises	1 398	Q2 2026	1/2/3/4/56 LOAN	
Smart Energy Systems	445	Q2 2026		
Other renewable energy	206	Q2 2026		
Digitalisation of large enterprises	770	Q2 2026		
Digitalisation of SMEs	330	Q2 2026		

EXPLANATORY DOCUMENT TO ACCOMPANY COUNTRY PROFILES

READ THE FULL STUDY ON WWW.RENOVATE-EUROPE.EU

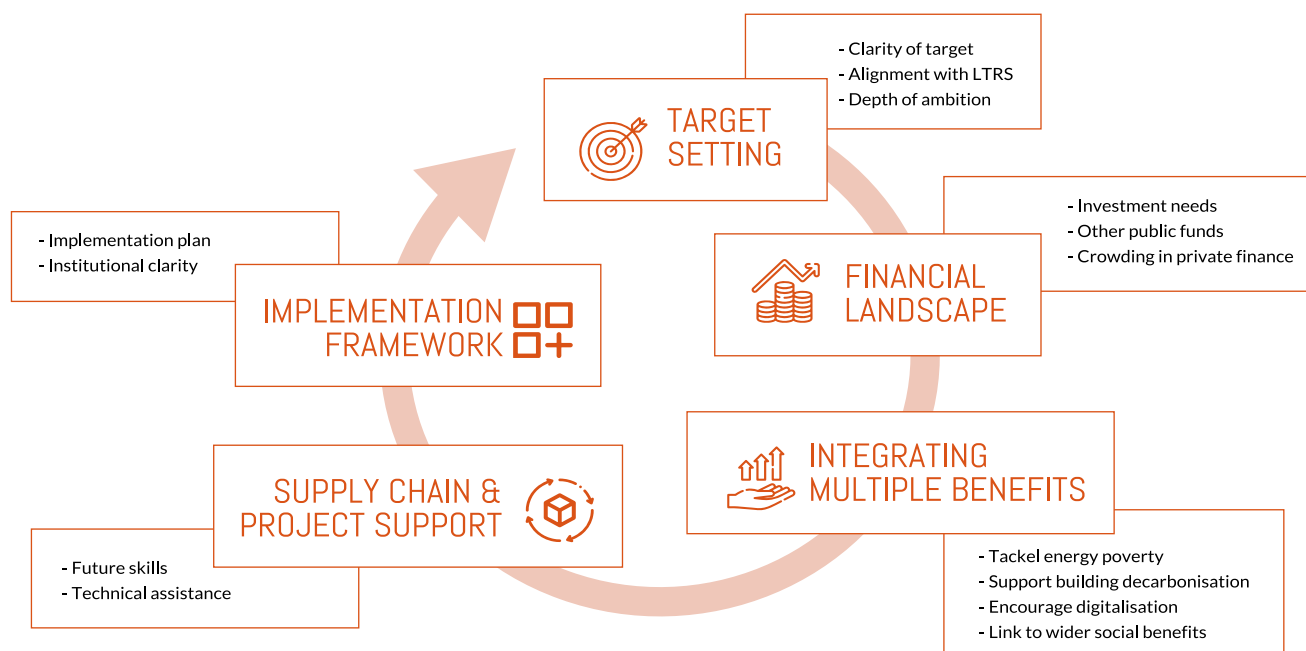
ABOUT THIS STUDY

This Study assesses the buildings-related elements of the National Recovery and Resilience Plans (NRRPs) in 18 Member States¹: Austria, Belgium, Bulgaria, Croatia, Czechia, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Poland, Romania, Slovakia, Slovenia and Spain². The aim is to understand whether NRRPs position countries to achieve longer-term targets for more and deeper renovation, and whether NRRPs have the potential to be **'transformational'** on the path to achieving national goals set out in Long Term Renovation Strategies and EU goals set out in the Renovation Wave strategy.

The Country Profiles in this Study centre on the **investment measures** for energy renovation in the NRRPs. The aim is to identify where investments will flow, what types of energy renovation will be supported, and to offer guidance to support and improve the quality of investments to maximise their impact and scalability. The Study does not assess the reform measures included in NRRPs due to their uniqueness for individual countries.

ASSESSMENT METHODOLOGY AND SCOREBOARD

The Study was developed by E3G, bringing its experience of working on the Green Recovery Tracker, and was delivered in close cooperation with Renovate Europe's National Partners and Campaign Office. In each Country Profile, the Plans are assessed against five overarching criteria, each comprising several sub-criteria (summarised below). The assessment is **qualitative**. Each Country Profile is accompanied by an annex that sets out, in more detail, the various programmes and reforms that each Member State includes in its NRRP with extracts drawn from the European Commission's assessment of the NRRPs and the European Council's Implementing Decision for each NRRP.







1 Note: summary data here excludes Greece as the study is not complete yet

2 Renovate Europe has National Partners in 17 of these Member States, and cooperated on a separate basis with Mur Manteau and Renovons initiative in France. Renovate Europe's 18th National Partner (in the Netherlands) was unable to participate in this Study as the Dutch NRRP has not yet been published.

SCORING METHODOLOGY

For each of the five criteria, the NRRPs are provided with an aggregate score. The aggregate score is based on the sum of points of individual sub-criteria. The points were allocated as follows: 1 point - not addressed; 2 points – needs improvement; 3 points – strong; 4 points - transformational. The aggregated score is reflected in the ‘play button’ infographic for each of the criteria at the top of the country profiles. Those are summarised below.

Normalised* points range	Score	“Play button” Infographic
2.5 – 4.0	“Not addressed”	
4.1 – 6.3	“Needs improvement”	
6.4 – 8.5	“Strong”	
8.6 – 10	“Transformational”	

* The five criteria have a different set of sub-criteria, and as a result have different minimum and maximum points. The scores have been normalised to a base of 10 points. This still leaves some variation within the ranges, so comparison between criteria and countries should be treated with caution.

A UNIQUE OPPORTUNITY TO GET RENOVATION ON TRACK

National Recovery and Resilience Plans (NRRPs) present a unique opportunity to accelerate the delivery of deep renovation across the EU. The analysis of the NRRPs in this Study demonstrates that significant renovation activity is planned and will be made possible through the successive disbursements of the Recovery Funding. But these renovations must be done properly, and the money must be spent well. This unprecedented additional injection of public funds must set the EU building stock firmly on the path to achieving its Renovation Wave goals to 2030 and meeting the 2050 climate targets.

For NRRPs to be transformational towards achieving these goals, two key aspects need to be strengthened:

- 1. Ensure funding delivers a step change towards realising deep (or staged deep) renovations, going well beyond the 30% minimum energy saving recommendation set by the European Commission.**
- 2. Invest in the right enabling framework, including leverage of private finance, to create sustainable renovation markets that will grow beyond 2026**

UNDERPINNING A STRONG FIT-FOR-55 PACKAGE FOR BUILDINGS

This Study demonstrates significant interest in investing in building renovation, which can contribute to a strong outcome for the **Fit-for-55 legislative proposals**, all of which would enter into force while NRRP funding is being invested. The strength of the overall package is critical for delivering on renovation, with individual elements playing pivotal roles. For example, the introduction of mandatory **Minimum Energy Performance Standards (MEPS)** under the EPBD would send a strong signal to the whole renovation value chain, from institutional investors to building users.

Done right, NRRP investment can ease agreement on, and the implementation of, a more ambitious legislative package for buildings – a virtuous cycle between ambition and deliverability that can drive the creation, investment in, and sustained growth of renovation markets across the EU. To unlock this, it will be critical to establish a positive feedback loop between EU institutions (in supporting effective deployment of NRRP funds) and Member States (in backing a strong legislative outcome from Fit-for-55 negotiations) that delivers a significantly improved building stock for citizens. Informed by the assessment below, Renovate Europe and its National Partners will work to support this outcome.

RENOVATE² RECOVER

NINE RECOMMENDATIONS TO MEMBER STATES TO MAKE THEIR RECOVERY PLANS TRANSFORMATIVE

AMBITION

1. Prioritise deep renovations and scalability in the design and implementation of schemes
2. Accompany each funded building project with a Renovation Roadmap to 2050

3. Improve scheme longevity and impact by crowding in private finance

FINANCING

MULTIPLE BENEFITS

4. Integrate renovation with heat decarbonisation and apply Energy Efficiency First Principle consistently
5. Embed renovation alongside wider political and socio-economic priorities

6. Strengthen Technical Assistance at regional and local levels
7. Fund further One-Stop-Shops and information centres to support customers, exchange best practice
8. Upskill the workforce through reliable accreditation systems

SUPPORT

IMPLEMENTATION

9. Engage in better monitoring and aggregation of data to measure impact