



TRANSPORT SECTOR



Green Growth National Action Plan 2021-2025



13 PRIORITY ACTIONS for implementation in the 2021-2025 period:



7 investment preparation and demonstration actions

6 enabling policy and institutional reform actions



About National Green Growth Plan for Jordan

The NGGP charts out a plan for Jordan to achieve an expanding yet sustainable and resilient economy that ensures the creation of green jobs for its citizens and increased investment in green projects. The NGGP uses a cost-benefit analysis approach to identify the challenges and opportunities for project implementation and focuses on tackling these barriers in the six green growth sectors: Agriculture, Energy, Tourism, Transport, Waste and Water. **Four driving principles of green growth are identified and mainstreamed across the actions in the Green Growth National Action Plan 2021-2025:**

- Transparent governance processes and enforcement of legislation
- Mechanisms to incentivize green growth
- Integrated planning processes that value societal impacts
- Behavior shifts and capacity building



A National Green Growth Plan for Jordan



Implementation of these actions will contribute to the Transport Sector Green Growth SubObjective and the following:



Increasing access

to public transport services (and reduce reliance on individual car ownership) through an increase in private and public funding.



Increasing public-private

dialogue and collaboration in key transport sub-sectors, including tourism and logistics.



Enhancing the enabling

environment for Jordan's transition toward electric mobility.

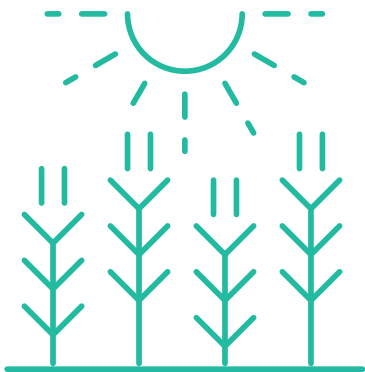


Reducing GHG emissions

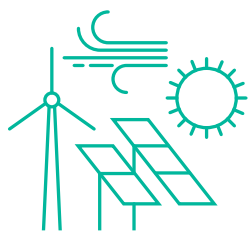
from the transport-sector and support the implementation of Jordan's NDC.



The following table, which shows **the transport sector green growth actions**, can be used by action owners to begin **project proposal formulation** for the purpose of mobilizing public budget or external grants, loans or other financial support for implementation. It is understood that detailed implementation approach, outputs, timeline, budget, and stakeholders may change depending on the source of finance during the process of implementation.



Transport Sector Green Growth Actions 2021-2025		
#	Action Title	Total Estimated Implementation Cost (USD)
TR01	Develop and/or update Transport and Mobility Action Plans and Capital Investment Plans for the secondary metropolitan areas of Mafraq, Zarqa, and Irbid	5,000,000
TR02	Approve and Activate the National Public Transport Fund and identify mechanisms to raise capital for public transport infrastructure	51,000,000
TR03	Implement transport sector governance enhancement program and reform agenda to increase the effectiveness and efficiency of the transport sector policymaking process	1,000,000
TR04	Scale up the provision of public-school bus services in all municipalities (Scale-up Smart Move Project)	15,000,000
TR05	Implement a pedestrian green infrastructure enhancement program in local commercial areas and near public transport	55,000,000
TR06	Develop a public-private dialogue and roadmap for improving road transport services linked to the tourism sector	1,000,000
TR07	Support the deployment of Intelligent Transportation Systems (ITS) to allow a modal and fare integration of the public and private transport systems in the city of Amman	9,870,000
TR08	Establish a national center of excellence and capacity building program for sustainable transport	1,000,000
TR09	Develop a joint public-private strategy and roadmap to improve the environmental sustainability of the logistics sector	1,000,000
TR10	Develop and implement a public-private partnership for improved parking management in Amman	11,000,000
TR11	Develop a national electric mobility strategy and action plan	1,000,000
TR12	Design and implement a public transport electric mobility pilot and capacity building program in Amman	5,000,000
TR13	Establish low-carbon municipal bus fleets for Irbid, Zarqa and Madaba municipalities	22,000,000



Purpose & Objectives of Transport Sector Green Growth Actions

#	Purpose/Objectives
TR01	Develop and/or update Transport and Mobility Action Plans and Capital Investment Plans (CIPs) for the secondary metropolitan areas of Mafrq, Zarqa, and Irbid
	This action aims to increase alignment between national, regional, and municipal transport development visions, and to mainstream the concepts of inclusive green growth and sustainability into municipal transport policies and investments.
	<ul style="list-style-type: none"> • Ensure that major secondary cities in Jordan have policy and investment plans for public transport and mobility that mainstream green growth and are aligned with the LNTS. • Achieve a better understanding of the capacities, strengths and weaknesses of municipal transport planning and implementation authorities to identify priority areas where efforts and resources are most needed. • Mainstream inclusive green growth into the implementation of secondary city transport systems, emphasizing the need for multi-modal public transport to provide access to economic opportunity for Jordanians and non-Jordanians outside of Amman, and to reduce fuel consumption and associated GHG emissions.
TR02	Approve and Activate the National Public Transport Fund and identify mechanisms to raise capital for public transport infrastructure
	This action aims to examine in detail the various feasibility options, size of investment needs and business model to activate the National Public Transport Fund.
	<ul style="list-style-type: none"> • Develop the evidence base necessary for improved transport sector investment decision-making. • Identify all the possible options for increasing the availability of finance and future investments for the public transport sector and evaluate the cost-benefit of various options.
TR03	Implement transport sector governance enhancement program and reform agenda to increase the effectiveness and efficiency of the transport sector policymaking process
	The purpose of this action is to build the capacity of key transport sector decision makers to 1) identify the strengths and weaknesses of the current institutional setup for public transport service provision and its impacts on green growth implementation; 2) reduce the complexity in governing public transport service provision by making critical sectoral reforms; 3) increase public-private-civil society dialogue on public transport challenges through capacity building and knowledge exchange.
	<ul style="list-style-type: none"> • Identify gaps and needs for enhancing transport sector institutions and decision-making processes in order to achieve the objectives in the LNTS. • Increase the efficiency and effectiveness of the transport sector policymaking and implementation process by mainstreaming cooperation between relevant transport sector governmental bodies and reducing the level of overlapping responsibilities.

#	Purpose/Objectives
TR04	Scale up the provision of public-school bus services in all municipalities (Scale-up Smart Move Project)
	This action aims to scale up the provision of services to additional areas and create a sustainable implementation framework for public school transport service provision in Jordan, leveraging the lessons learned from the pilot project.
	<ul style="list-style-type: none"> • Reduce traffic congestion during peak hours around school areas, increasing overall economic productivity. • Reduce air pollution and GHG emissions privately-owned vehicles. • Increase safety conditions for students who use public school transport services. • Reduce the number of students walking long distances to and from school. • Increase access to education opportunity for low -income families.
TR05	Implement a pedestrian green infrastructure enhancement program in local commercial areas and near public transport
	The GAM aims to rehabilitate and develop its major commercial zones to increase pedestrian traffic, and ensure access to basic commercial services such as supermarkets, banks, etc.
	<ul style="list-style-type: none"> • Improve walkability in Local Commercial Zones and around major social hubs. • Increase the resilience of pedestrian infrastructure by incorporating green infrastructure into the design. • Increase resilience of the urban infrastructure and enhance growth of the city's green infrastructure. • Facilitate support for the notion for increased ridership of public transportation by improving walkability and access to public transport stations.
TR06	Develop a public-private dialogue and roadmap for improving road transport services linked to the tourism sector
	This action establishes an innovative policy dialogue mechanism whereby government and private sector can jointly plan and implement private sector-based sustainable transport projects that will simultaneously increase profits, raise government revenues, and increase access to sustainable transport services.
	<ul style="list-style-type: none"> • Increase the quality and quantity of public-private exchanges on the topic of transport in the context of Jordan's tourism sector and its implications on broader local and national economic development. • Develop a pathway toward increased investment in sustainable transport services (mass transit, inter-city transport and low-carbon vehicles) in the tourism sector.
TR07	Support the deployment of Intelligent Transportation Systems (ITS) to allow a modal and fare integration of the public and private transport systems in the city of Amman
	This action proposes capacity building for municipal public transport authorities on the range of opportunities associated with ITS implementation.
	<ul style="list-style-type: none"> • Increase the capacity of municipal transport authorities to maximize the benefits of ITS. • Prepare the City of Amman, MoT, and other municipal transport authorities for strategic ITS development. • Increased ease of payment and ability to subsidize transport sector activities. • Increases attractiveness of investment in the transport sector, eventually increasing ridership on public transport. • Take key steps to increase integration of payment, data collection and transport planning between public transport sector modes inside and outside of Amman.

#	Purpose/Objectives
TR08	Establish a national center of excellence and capacity building program for sustainable transport
	This action aims to: 1) establish within the MoT (or in close coordination with the MoT), a National Center of Excellence on Sustainable Transport. The CoE could be established as a technical advisory unit within MoT or within another national institution; and 2) develop and implement a national sustainable transport capacity building program to be guided and coordinated by the center of excellence in cooperation with relevant partners.
	<ul style="list-style-type: none"> • Increase national stakeholders' exposure to sustainable transport policies and planning concepts, green transport technologies, and promote a deep understanding of the local green growth context. • Establish a dialogue to discuss the costs and benefits of government vs. private sector investment in transport infrastructure and service provision. • Identify business opportunities (supporting economic growth and job creation) that may result from pursuing a more sustainable transport agenda. • Build local expertise in the field of sustainable transport, specifically improving the technical capacity in key government institutions.
TR09	Develop a joint public-private strategy and roadmap to improve the environmental sustainability of the logistics sector
	The purpose of this action is to undertake an innovative policy dialogue mechanism whereby both the government and the private sector can jointly plan and implement private sector-based sustainable transport projects that will simultaneously increase private sector profits and improve the environmental and safety performance of the freight logistics sector.
	<ul style="list-style-type: none"> • Increase the quality and quantity of public-private exchanges on the topic of transport in the context of Jordan's tourism sector and its implications on broader local and national economic development. • Develop a pathway toward increased investment in sustainable transport services (mass transit, inter-city transport and low-carbon vehicles) in the tourism sector. • Clarify public and private roles and responsibilities in optimizing logistic operations in Jordan, including those required for greening the sector while achieving the forecasted growth rate.
TR10	Develop and implement a public-private partnership for improved parking management in Amman
	The purpose of this action is to take the first step towards implementing improved parking management in the city of Amman.
	<ul style="list-style-type: none"> • Decrease ambient air pollution caused by idling vehicles in Amman. • Recover losses in economic productivity due to traffic congestion. • Increase the walkability of Amman. • Promote the implementation of a smart city infrastructure.
TR11	Develop a national electric mobility strategy and action plan
	The purpose of this action is to bring together relevant national stakeholders to develop a National Electric Mobility Strategy.
	<ul style="list-style-type: none"> • Develop the long-term planning and policy framework for e-mobility implementation in Jordan. • Improve inter-ministerial coordination and stakeholder collaboration on the topic of e-mobility.

#	Purpose/Objectives
TR12	Design and implement a public transport electric mobility pilot and capacity building program in Amman
	<p>The purpose of this action is to address the investment barriers above by providing the necessary analysis, technical training and hands-on experience to GAM’s public transport directorate and the Amman Vision Investment and Development (AVID).</p> <ul style="list-style-type: none"> Introduce the first electric bus and charging infrastructure into Amman’s municipal transit system to evaluate e-bus viability and replicability. Collect data to undertake better cost-benefit analysis for e-buses in Jordan. Support GAM with its decision-making on key elements of electric mobility. Increase awareness in the general public and among local transportation sector stakeholders about e-buses, and their benefits and applications.
TR13	Establish low-carbon municipal bus fleets for Irbid, Zarqa and Madaba municipalities
	<p>The purpose of this action is to promote the achievement of Jordan’s socioeconomic and climate change mitigation targets by introducing low-carbon public transport in the cities of Irbid, Zarqa and Madaba.</p> <ul style="list-style-type: none"> Undertake the necessary feasibility analysis to attract investment in public transport services and rolling stock for secondary cities in Jordan. Increase access to transport services for people in secondary cities, catalyzing modal shift and behavioral change nationwide. Reduce GHG emissions from the transport sector in accordance with Jordan’s NDC.



OVERVIEW: Jordan Green Growth National Action Plan 2021-2025

The Green Growth National Action Plan 2021-2025 lays out pathways for sustainable development that will increase resilience, strengthening Jordan's capacity to contain shocks and recover from catastrophic events such as COVID-19.



FIGURE 2
Relationship between the Five National Green Growth Objectives and SDGs

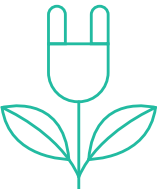


Figure 1 below shows a summary of the green growth planning and implementation in Jordan:



FIGURE 1
Green Growth Planning and Implementation in Jordan

