

## 2019 G20 Osaka Summit Interim Compliance Report

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From 30 June 2019 to 10 May 2020

14 October 2020

“The University of Toronto ... produced a detailed analysis to the extent of which each G20 country has met its commitments since the last summit ... I think this is important; we come to these summits, we make these commitments, we say we are going to do these things and it is important that there is an organisation that checks up on who has done what.”

— *David Cameron, Prime Minister, United Kingdom, at the 2012 Los Cabos Summit*

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## 5. Infrastructure: Quality Infrastructure Investment

“We endorse the G20 Principles for Quality Infrastructure Investment as our common strategic direction and high aspiration.”

*G20 2019 Osaka Leaders’ Declaration*

### Assessment

	Lack of Compliance	Work in Progress	Full Compliance
Argentina			+1
Australia			+1
Brazil			+1
Canada			+1
China			+1
France	-1		
Germany			+1
India			+1
Indonesia	-1		
Italy			+1
Japan		0	
Korea		0	
Mexico			+1
Russia		0	
Saudi Arabia			+1
South Africa			+1
Turkey		0	
United Kingdom		0	
United States			+1
European Union			+1
Average		+0.55 (78%)	

### Background

Infrastructure is a fundamental component of achieving sustainable economic growth, stability and prosperity, as well as solving social challenges. However, funding for infrastructure is currently outpaced by growing needs in both developing and developed countries, presenting a significant challenge in achieving global and national development goals. In 2013, it was estimated that an annual USD 3.3 trillion investment was needed simply to keep pace with projected growth between 2016 to 2030, USD 0.8 trillion more than the USD 2.5 trillion spent currently.<sup>907</sup>

This infrastructure financing gap threatens future socioeconomic development and fulfilling it is essential to the goals of the G20. Nonetheless, according to the McKinsey Global Institute by 2016 11 G20 members had reduced their infrastructure spending (as a share of gross domestic product) since the global financial crisis due to fiscal constraints.<sup>908</sup> At a February 2013 meeting of G20 Finance Ministers and Central Bank Governors, the Organisation for Economic Co-operation and

<sup>907</sup> Bridging Global Infrastructure Gaps, McKinsey Global Institute (Online). Access Date: December 10, 2019. <https://www.un.org/pga/71/wp-content/uploads/sites/40/2017/06/Bridging-Global-Infrastructure-Gaps-Full-report-June-2016.pdf>

<sup>908</sup> Bridging Global Infrastructure Gaps, McKinsey Global Institute (Online). Access Date: December 10, 2019. <https://www.un.org/pga/71/wp-content/uploads/sites/40/2017/06/Bridging-Global-Infrastructure-Gaps-Full-report-June-2016.pdf>

Development (OECD) advocated for the prioritization of infrastructure investment by the G20 members and presented private financing and institutional investors as alternative sources of infrastructure funds.<sup>909</sup> In response, a G20 Study Group on Financing Investment, made up of the G20 Finance Ministers and Central Bank Governors and select members of the OECD, was formed and tasked with putting forward recommendations for G20 leaders.<sup>910</sup>

G20 members endorsed these recommendations in the form of the G20/OECD High-Level Principles on Long-Term Investment Financing by Institutional Investors at the 2013 St. Petersburg Summit, thereby making their first commitments to infrastructure investment.<sup>911</sup>

At the 2014 Brisbane Summit, G20 members endorsed the Global Infrastructure Initiative, a work program with common leading practices to improve the quality of public and private infrastructure investments, as well as the creation of the Global Infrastructure Hub to foster collaboration amongst stakeholders of the Initiative. The Study Group on Financing for Investment was also transformed into an official Infrastructure Investment Working Group.<sup>912</sup>

At the 2015 Antalya Summit, G20 members developed country-specific strategies to boost investment; developed guidelines for public-private-partnership models to improve investment preparation, prioritization and execution processes; and looked into alternative financing structures for infrastructure projects.<sup>913</sup>

At the 2016 Hangzhou Summit, G20 members reaffirmed their commitment to promote infrastructure investment in both quantity and quality. Members emphasized that quality infrastructure investment and infrastructure connectivity were two key features of sustainable and prosperous development.<sup>914</sup>

At the 2017 Hamburg Summit, G20 members reaffirmed their commitment to boosting infrastructure and connectivity investment and the Multilateral Development Banks' Joint Principles and Ambitions on Crowding-In Private Finance as part of this commitment.<sup>915</sup>

At the 2018 Buenos Aires Summit, G20 members reaffirmed their commitment to attracting private capital to address the infrastructure financing gap and endorsed both the Roadmap to Infrastructure as an Asset Class and the G20 Principles for the Infrastructure Project Preparation Phase.<sup>916</sup>

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<sup>909</sup> The Role of Banks, Equity Markets and Institutional Investors in Long-Term Financing for Growth and Development, Organisation for Economic Co-operation and Development (Paris). Access date: 20 November 2019.

<http://www.oecd.org/daf/fin/privatepensions/G20reportLTFinancingForGrowthRussianPresidency2013.pdf>

<sup>910</sup> G20 Leaders' Declaration (St. Petersburg), G20 Information Centre (Toronto). Access Date: 20 November 2019.

<http://www.g20.utoronto.ca/2013/2013-0906-declaration.html>

<sup>911</sup> G20/OECD High Level Principles on Long-Term Investment Financing by Institutional Investors, OECD (Paris). Access date: 20 November 2019. <https://www.oecd.org/finance/private-pensions/G20-OECD-Principles-LTI-Financing.pdf>

<sup>912</sup> G20 Leaders' Communiqué, Brisbane Summit, G20 Information Centre (Toronto). Access Date: 20 November 2019.

[http://www.g20.utoronto.ca/2014/brisbane\\_g20\\_leaders\\_summit\\_communique.pdf](http://www.g20.utoronto.ca/2014/brisbane_g20_leaders_summit_communique.pdf)

<sup>913</sup> G20 Leaders' Communiqué (Antalya), G20 Information Centre (Toronto). Access Date: 20 November 2019.

<http://www.g20.utoronto.ca/summits/2015antalya.html>

<sup>914</sup> G20 Leaders' Communiqué: Hangzhou Summit, G20 Information Centre (Toronto). Access Date 20 November 2019.

<http://www.g20.utoronto.ca/2016/160905-communicue.html>

<sup>915</sup> G20 Leaders' Declaration: Shaping an Interconnected World (Hamburg), G20 Information Centre (Toronto). Access Date: 20 November 2019. <http://www.g20.utoronto.ca/2017/2017-G20-leaders-declaration.html>

<sup>916</sup> The G20 Roadmap to Infrastructure as an Asset Class, OECD (Paris) 2018. Access Date: 20 November 2019.

[http://www.oecd.org/g20/roadmap\\_to\\_infrastructure\\_as\\_an\\_asset\\_class\\_argentina\\_presidency\\_1\\_0.pdf](http://www.oecd.org/g20/roadmap_to_infrastructure_as_an_asset_class_argentina_presidency_1_0.pdf)

Members also expressed hope in making progress on quality infrastructure in 2019, in line with the Roadmap.<sup>917</sup>

At the 2019 Osaka Summit, G20 members renewed their emphasis on quality infrastructure investment by endorsing the G20 Principles for Promoting Quality Infrastructure Investment.<sup>918</sup>

### **Commitment Features**

G20 members have committed to endorsing the “G20 Principles for Quality Infrastructure Investment as [their] common strategic direction and high aspirations.” “Endorse” is interpreted to mean that the G20 members have committed to put the principles into practice through their actions.

The G20 Principles for Quality Infrastructure Investment consists of six principles to build upon previous G20 members’ work to mobilize investment financing from multiple sources and “contribute to closing the infrastructure gap, develop infrastructure as an asset class, and maximizing the positive impacts of infrastructure investment according to country conditions.”<sup>919</sup> The focus of this document is to improve the quality of new projects so that existing funding is spent wisely, thus mobilizing future investments. This commitment requires members to align individual infrastructure projects (and initiatives in the case of principle six) with the principles outlined in the document.<sup>920</sup>

The six principles endorsed by G20 members are: 1) maximizing the positive impact of infrastructure to achieve sustainable growth and development; 2) raising economic efficiency in view of life-cycle cost; 3) integrating environmental considerations in infrastructure investments; 4) building resilience against natural disasters and other risks; 5) integrating social considerations in infrastructure investment; and 6) strengthening infrastructure governance.

The first principle requires that the expected “economic, environmental, social, and development” benefits of infrastructure be incorporated in the project planning and design stages of an individual infrastructure project. This could mean that additional jobs are created, or new technologies are introduced to a region through the course of an infrastructure project execution.<sup>921</sup>

The second principle requires members to assess the life-cycle costs and benefits and proactively integrate strategies and technology to address the risk of delays and excessive costs in order to maximize efficiency through the course of an infrastructure project execution. This could be through integrating technology-assisted monitoring into the project process or conducting regular cost-benefit analysis.<sup>922</sup>

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<sup>917</sup> G20 Leaders' Declaration: Building Consensus for Fair and Sustainable Development (Buenos Aires), G20 Information Centre (Toronto). Access Date: 20 November 2019. <http://www.g20.utoronto.ca/2018/2018-leaders-declaration.html>

<sup>918</sup> G20 Osaka Leaders’ Declaration, G20 Information Centre (Toronto). Access Date: 20 November 2019.

<http://www.g20.utoronto.ca/2019/2019-g20-osaka-leaders-declaration.html>

<sup>919</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 20 November 2019.

[https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>920</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 20 November 2019.

[https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>921</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019.

[https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>922</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019.

[https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

The third principle requires that environmental considerations, including both positive and negative impacts of the infrastructure project, should be continuously assessed and shared with stakeholder throughout the project life-cycle.<sup>923</sup>

The fourth principle requires that disaster risk management and/or insurance mechanisms be incorporated into the planning and design of infrastructure projects. This could be through the use of certain materials or construction techniques that are more resilient to disaster.<sup>924</sup>

The fifth principle requires that ensuring economic and social inclusion are an important element of an infrastructure project. This could be through actions such as holding consultation processes with affected communities or ensuring safe, equal working opportunities and access to jobs created by the infrastructure project.<sup>925</sup>

The sixth and final principle requires that members enact “clear rules, robust institutions, and good governance in the public and the private sector, reflecting countries’ relevant international commitments, which will mitigate various risks related to investment decision-making.” This could be the creation of new processes, policies or institutions that assess financial sustainability, anti-corruption efforts, or transparency in infrastructure projects to ensure confidence from investors and other stakeholders.<sup>926</sup>

Compliance for this commitment will be assessed by examining whether national or regional individual infrastructure projects incorporate any of the six principles. Full compliance for this commitment requires that a G20 member to invest in existing or new infrastructure projects that follow at least four of the six principles. Investments in existing or new infrastructure projects that align with only two to three of the six principles will be counted as partial compliance. Finally, investments in existing or new infrastructure projects that follow only one or none of the six principles outlined in the G20 Principles for Quality Infrastructure Investment will earn the G20 member a score of no compliance.

**Scoring Guidelines**

-1	G20 member has invested in existing or new infrastructure projects that align with ONE or NONE of the principles outlined in the G20 Principles for Quality Infrastructure Investment.
0	G20 member has invested in existing or new infrastructure projects that align with some (TWO to THREE) of the principles outlined in the G20 Principles for Quality Infrastructure Investment.
+1	G20 member has invested in existing or new infrastructure projects that align with most (FOUR to SIX) of the principles outlined in the G20 Principles for Quality Infrastructure Investment.

*Compliance Director: Ramsba Naveed  
Lead Analysts: Sophia Bai*

<sup>923</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019. [https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>924</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019. [https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>925</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019. [https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

<sup>926</sup> G20 Principles for Quality Infrastructure Investment, Global Infrastructure Hub. Access Date: 11 December 2019. [https://www.mof.go.jp/english/international\\_policy/convention/g20/annex6\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex6_1.pdf)

**Argentina: +1**

Argentina has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 12 July 2019, the Government Agroindustry initiated ARS17 million to Cordoba Road Consortiums to improve roads in rural San José de la Dormida y Jesús María.<sup>927</sup> The funding comes from the Natural Fund for Agricultural Emergencies and Disasters and will be used to mitigate the effects of the latest floods and allow better quality roads in the region's productive sector.<sup>928</sup>

On 16 July 2019, the Secretary of Urban Infrastructure inaugurated the works that are a part of fully modernizing the neighbourhood of 31 Julio.<sup>929</sup> The Government initiated AR250 million to expand the water network, 60 blocks of gutter cord, and the installation of the third stage of water drains.<sup>930</sup>

On 25 July 2019, the Secretary of the Environment and Sustainable Development announced a collaboration agreement with the municipality of Pinamar related to sustainable development.<sup>931</sup> The government aims to help the municipality with its sustainable development plan which covers 1) renewable energy and energy efficiency; 2) sustainable tourism; 3) afforestation and municipal nursery; 4) urban solid waste and used vegetable oil management; and 5) access to public information, transparency and Open Government for infrastructure development.<sup>932</sup>

On 12 August 2019, the Secretary of Housing participated in the awards ceremony for the first National Contest "Preliminary Project for Sustainable Housing of Social Interest" promoted by the Municipality of Villa María and the Municipal Institute of Housing and Housing Infrastructure of that municipality.<sup>933</sup> The goal of this even was to promote proposals of single-family housing that demonstrate high levels of sustainability efficiency, as well as "almost zero energy" buildings.<sup>934</sup> This

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<sup>927</sup> Agroindustria destina más de \$17 millones a Consorcios Camineros de Córdoba para mejorar los caminos rurales, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 12 July 2019. Access Date: 3 March 2020. <https://www.argentina.gob.ar/noticias/agroindustria-destina-mas-de-17-millones-consorcios-camineros-de-cordoba-para-mejorar-los>.

<sup>928</sup> Agroindustria destina más de \$17 millones a Consorcios Camineros de Córdoba para mejorar los caminos rurales, Ministry of Agriculture, Livestock and Fisheries (Buenos Aires) 12 July 2019. Access Date: 3 March 2020. <https://www.argentina.gob.ar/noticias/agroindustria-destina-mas-de-17-millones-consorcios-camineros-de-cordoba-para-mejorar-los>.

<sup>929</sup> En Saladillo, finalizaron las obras de agua potable, desagües y espacios comunitarios para 1.700 familias, Ministry of the Interior (Buenos Aires) 16 July 2019. Access Date: 3 March 2020. <https://www.argentina.gob.ar/noticias/en-saladillo-finalizaron-las-obras-de-agua-potable-desagues-y-espacios-comunitarios-para>.

<sup>930</sup> En Saladillo, finalizaron las obras de agua potable, desagües y espacios comunitarios para 1.700 familias, Ministry of the Interior (Buenos Aires) 16 July 2019. Access Date: 3 March 2020. <https://www.argentina.gob.ar/noticias/en-saladillo-finalizaron-las-obras-de-agua-potable-desagues-y-espacios-comunitarios-para>.

<sup>931</sup> Ciudades sustentables: Pinamar reforzará acciones sustentables en el partido, Ministry of Sustainable Development (Buenos Aires) 25 July 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/ciudades-sustentables-pinamar-reforzara-acciones-sustentables-en-el-partido>.

<sup>932</sup> Ciudades sustentables: Pinamar reforzará acciones sustentables en el partido, Ministry of Sustainable Development (Buenos Aires) 25 July 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/ciudades-sustentables-pinamar-reforzara-acciones-sustentables-en-el-partido>.

<sup>933</sup> Se realizó el primer concurso nacional para la elaboración de proyectos de vivienda sustentable, Ministry of the Interior (Buenos Aires) 12 August 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/se-realizo-el-primer-concurso-nacional-para-la-elaboracion-de-proyectos-de-vivienda>.

<sup>934</sup> Se realizó el primer concurso nacional para la elaboración de proyectos de vivienda sustentable, Ministry of the Interior (Buenos Aires) 12 August 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/se-realizo-el-primer-concurso-nacional-para-la-elaboracion-de-proyectos-de-vivienda>.

action aims to promote the development of these projects and an environmental efficiency mindset.<sup>935</sup>

On 28 August 2019, the Secretary of the Government of Environment and Sustainable Development led the presentation of project ARG/19/G24.<sup>936</sup> This project seeks to improve biodiversity and land degradation by “through the development of a system of policies, governance mechanisms, and technical, economic and financial instruments for the environmental management of the territory, in order to integrate environmental and socio-economic assessment of ecosystem goods and services into decision-making in different sectors and levels of government.”<sup>937</sup>

On 12 September 2019, the Ministry of Territorial Planning and Public Works announced the delivery of new technological equipment to the municipality of Juárez Celman, and many others, under the Institutional Strengthening Program for Territorial Planning to improve municipal planning functions. The financing of this project corresponds with the 2030 Sustainable Development strategy proposed by the United Nations.<sup>938</sup>

On 7 November 2019, the Ministry of Interior and Public Works announced a new recognition labelled “The Seal of Sustainable Housing.” The aim of this seal is to promote sustainable housing construction with the objective of ensuring quality and durable housing that generates economic savings for buyers while contributing to the care of the environment and mitigation of climate change.<sup>939</sup>

On 5 December 2019, the Matanza Riachuelo Basin Authority, operated by the Ministry of Interior and Public Works, awarded the municipalities of Esteban Echeverría, Lanús, Lomas de Zamora, Merlo, Ezeiza and the City of Buenos Aires with new collection trucks. The objective of these new collection trucks is to strengthen the solid waste cleaning tasks in the area, thus contributing to waste collection efficiency and minimizing the environmental impact.<sup>940</sup>

On 6 December 2019, the Ministry of Interior and Public Works announced the inauguration of new border checkpoint cabins in the sector of the Posadas-Encarnacion. The Ministry initiated an

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<sup>935</sup> Se realizó el primer concurso nacional para la elaboración de proyectos de vivienda sustentable, Ministry of the Interior (Buenos Aires) 12 August 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/se-realizo-el-primer-concurso-nacional-para-la-elaboracion-de-proyectos-de-vivienda>.

<sup>936</sup> Ambiente dio inicio al proyecto de ordenamiento ambiental del territorio, Ministry of Sustainable Development (Buenos Aires) 28 August 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/ambiente-dio-inicio-al-proyecto-de-ordenamiento-ambiental-del-territorio>.

<sup>937</sup> Ambiente dio inicio al proyecto de ordenamiento ambiental del territorio, Ministry of Sustainable Development (Buenos Aires) 28 August 2019. Access Date: 20 March 2020. <https://www.argentina.gob.ar/noticias/ambiente-dio-inicio-al-proyecto-de-ordenamiento-ambiental-del-territorio>.

<sup>938</sup> Nuevo equipamiento tecnológico para municipios bonaerenses, Ministry of the Interior (Buenos Aires) 12 September 2019. Access Date: 2 February 2020. <https://www.argentina.gob.ar/noticias/nuevo-equipamiento-tecnologico-para-municipios-bonaerenses>.

<sup>939</sup> Nuevo Sello de Vivienda Sustentable, Ministry of the Interior Works (Buenos Aires) 7 November 2019. Access Date: 2 February 2020. <https://www.argentina.gob.ar/noticias/nuevo-sello-de-vivienda-sustentable>.

<sup>940</sup> ACUMAR entregó camiones recolectores a municipios de la Cuenca Matanza Riachuelo, Ministry of the Interior (Buenos Aires) 5 December 2019. Access Date 2 February 2020. <https://www.argentina.gob.ar/noticias/acumar-entrego-camiones-recolectores-municipios-de-la-cuenca-matanza-riachuelo>.

investment of more than ARS100 million with the aim that the cabins will provide greater efficiency for those wanting to travel across the border for commercial or tourism purposes.<sup>941</sup>

Argentina has fully complied with its commitment by acting in four of the six commitment areas, such as encouraging sustainable growth and development, integrating social considerations, integrating environmental considerations, strengthening infrastructure governance and building resilience against natural disasters and other risk.

Thus, Argentina has received a score of +1.

*Analyst: Isabel Davis*

### **Australia: +1**

Australia has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 2 July 2019, Infrastructure Australia approved AUD2 billion of upgrades to Queensland motorways and added the project to the Infrastructure Priority List (a list of nationally significant projects for both short- and long-term future). The upgrades are in response to a growing population putting a strain on the current infrastructure and will improve road safety, decrease travel time and support economic development.<sup>942</sup>

On 8 July 2019, the Infrastructure Priority List was expanded to include an AUD300 million proposal to build new campuses for the University of Tasmania.<sup>943</sup> This investment will create world-class campuses that will be able to deliver a new array of courses to meet the needs of modern industry.<sup>944</sup>

On 10 September 2019, Infrastructure Australia approved the proposal of the New South Wales (NSW) Government to build a four-lane bridge on the Princes Highway over the Shoalhaven River.<sup>945</sup> This project was officially added to the Infrastructure Priority List as it will allow for greater freight transportation from Sydney to NSW, improve the general traffic movement and travel times and increase safety for motorists.<sup>946</sup>

On 8 January 2020, the Queensland Government's Peak Downs Highway Realignment Project was added to the Infrastructure Priority List to strategically enhance the economies of Mackay and

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<sup>941</sup> Obras para mejorar el paso fronterizo Posadas-Encarnacion, un cambio importante para la ciudad, el turismo, y el comercio, Ministry of the Interior (Buenos Aires) 6 December 2019. Access Date: 2 February 2020. <https://www.argentina.gob.ar/noticias/obras-para-mejorar-el-paso-fronterizo-posadas-encarnacion-un-cambio-importante-para-la>.

<sup>942</sup> Infrastructure Australia green lights \$2 billion in Queensland, Infrastructure Australia (Sydney) 2 July 2019. Access Date: 29 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/infrastructure-australia-green-lights-2-billion-queensland-road-upgrades>.

<sup>943</sup> New UTs campuses for Burnie and Launceston a national priority, Infrastructure Australia (Sydney) 8 July 2019. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/new-utas-campuses-burnie-and-launceston-national-priority>.

<sup>944</sup> CEO's Update, Infrastructure Australia (Sydney) 22 July 2019. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/newsletter/ceos-update-1>.

<sup>945</sup> Infrastructure Australia approves Nowra Bridge Project, Infrastructure Australia (Sydney) 10 September 2019. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/infrastructure-australia-approves-nowra-bridge-project>.

<sup>946</sup> Infrastructure Australia approves Nowra Bridge Project, Infrastructure Australia (Sydney) 10 September 2019. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/infrastructure-australia-approves-nowra-bridge-project>.

Queensland.<sup>947</sup> The project will be designed to handle the very heavy loads diverted away from Walkerston's main street improved freight efficiency and increasing the safety of the locals.<sup>948</sup>

On 8 January 2020, the Western Australian government's Bindoon Bypass road upgrade project was welcomed to the Infrastructure Priority List due to urgent need to process more freight using the Great Northern Highway.<sup>949</sup> The 61.6 kilometres of new highway, 4.4 kilometres of current infrastructure improvements and 12km of service roads will greatly improve the efficiency and safety of truck trips.<sup>950</sup>

On 26 February 2020, Infrastructure Australia unveiled the 2020 Infrastructure Priority List, including 147 proposals which are deemed to reflect Australia's diversity, the future of the nation's needs and to be of national significance.<sup>951</sup> The Infrastructure Priority List will focus on road maintenance, addressing the growing waste problem, and coastal inundation, thus maximizing the positive impact of infrastructure building resiliency, increasing safety of citizens and strengthening infrastructure governance.<sup>952</sup>

Australia has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration. Australia is maximizing the impact of its new infrastructure with actions in line with four principles: encouraging sustainable growth and development, integrating social considerations, building resiliency against disaster and strengthening infrastructure governance.

Thus, Australia has received a score of +1.

*Analyst: Ian Hughes*

#### **Brazil: +1**

Brazil has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 29 July 2019, the Brazilian Special Secretariat of the Investment Partnership Program qualified an agreement between the Caixa Econômica Federal and the French Development Agency in the

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<sup>947</sup> Walkerston Bypass gets priority nod from Infrastructure Australia, Infrastructure Australia (Sydney) 8 January 2020. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/walkerston-bypass-gets-priority-nod-infrastructure-australia>.

<sup>948</sup> Walkerston Bypass gets priority nod from Infrastructure Australia, Infrastructure Australia (Sydney) 8 January 2020. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/walkerston-bypass-gets-priority-nod-infrastructure-australia>.

<sup>949</sup> Infrastructure Australia recognises Bindoon Bypass as a priority investment, Infrastructure Australia (Sydney) 8 January 2020. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/infrastructure-australia-recognises-bindoon-bypass-priority-investment>.

<sup>950</sup> Infrastructure Australia recognises Bindoon Bypass as a priority investment, Infrastructure Australia (Sydney) 8 January 2020. Access Date: 30 January 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/infrastructure-australia-recognises-bindoon-bypass-priority-investment>.

<sup>951</sup> Call to action for infrastructure resilience, as water, waste and coastal inundation headline latest Infrastructure Priority List, Infrastructure Australia (Sydney) 26 February 2020. Access Date: 2 August 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/february-2020-infrastructure-priority-list>.

<sup>952</sup> Call to action for infrastructure resilience, as water, waste and coastal inundation headline latest Infrastructure Priority List, Infrastructure Australia (Sydney) 26 February 2020. Access Date: 2 August 2020. <https://www.infrastructureaustralia.gov.au/listing/media-release/february-2020-infrastructure-priority-list>

Itamaraty Palace, Brasilia.<sup>953</sup> The agreement focuses on financial support for infrastructure regarding basic sanitation, public lighting and urban mobility and capitalizes on the technical knowledge of the French Development Agency.<sup>954</sup>

On 1 August 2019, Brazil's Investment Partnerships Program approved the construction of a new 269,000 square metres terminal in the Port of Suape.<sup>955</sup> The construction costs are forecasted at a minimum of BRL1.2billion which will allow the renovated port to handle nearly 840,000 20-foot equivalent shipping containers per year, benefiting the Brazilian economy and creating jobs.<sup>956</sup>

On 21 August 2019, the 10<sup>th</sup> meeting of the Investment Partnerships Programs Council was held in Brasilia and qualified 29 new infrastructure initiatives as National Priorities.<sup>957</sup> Highlights from the qualified initiatives include three new port terminals and environmental licensing for road section BR 158/MT and Castanheira, Telemaco Borba, Tabajara and Bem Querer Hydropower Plants, respectively. This meeting also showed a special consideration to maximizing efficiencies in planning, as well as for environmental projects.<sup>958</sup>

On 19 November 2019, Brazil's Council of the Investment Partnerships Program qualified 18 new infrastructure initiatives as National Priorities.<sup>959</sup> The primary takeaways from the announcement were the inclusion of 5G telecommunications networks and the first-ever inclusion of health sector initiatives which demonstrates social considerations.<sup>960</sup>

On 19 December 2019, Brazil's National Land Transport Agency began the public hearing to amalgamate public contributions and suggestions for the new BR-116 Highway System contract which is expected to cost BRL17 billion.<sup>961</sup> This project will bring what was the first federal highway in Brazil up to the highest "technological quality in Latin America."<sup>962</sup>

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<sup>953</sup> PPI/Casa Civil participates in the signing of an international agreement, The Investment Partnership Program (Brasilia) 29 July 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/ppi-casa-civil-participa-de-assinatura-de-acordo-internacional>

<sup>954</sup> PPI/Casa Civil participates in the signing of an international agreement, The Investment Partnership Program (Brasilia) 29 July 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/ppi-casa-civil-participa-de-assinatura-de-acordo-internacional>

<sup>955</sup> Container terminal project approved by TCU, The Investment Partnership Program (Brasilia) 1 August 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/projeto-de-terminal-de-containers-e-aprovado-pelo-tcu>.

<sup>956</sup> Container terminal project approved by TCU, The Investment Partnership Program (Brasilia) 1 August 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/projeto-de-terminal-de-containers-e-aprovado-pelo-tcu>.

<sup>957</sup> Unprecedented initiatives on social areas are the highlight of the 10th meeting of the PPI Council, The Investment Partnership Program (Brasilia) 21 August 2019. Access Date: 30 January 2020. <https://www.ppi.gov.br/10meetingppicouncil>.

<sup>958</sup> Unprecedented initiatives on social areas are the highlight of the 10th meeting of the PPI Council, The Investment Partnership Program (Brasilia) 21 August 2019. Access Date: 30 January 2020. <https://www.ppi.gov.br/10meetingppicouncil>.

<sup>959</sup> Federal Government qualifies 18 new initiatives in the Investment Partnership Program, The Investment Partnership Program (Brasilia) 19 November 2019. Access Date: 30 January 2020. <https://www.ppi.gov.br/11reuniaocppi>.

<sup>960</sup> Federal Government qualifies 18 new initiatives in the Investment Partnership Program, The Investment Partnership Program (Brasilia) 19 November 2019. Access Date: 30 January 2020. <https://www.ppi.gov.br/11reuniaocppi>.

<sup>961</sup> Public hearing opened on the concession of BR-116 / RJ / SP, qualified in PPI / Casa Civil, The Investment Partnership Program (Brasilia) 19 December 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/aberta-audiencia-publica-acerca-da-concessao-da-br-116-rj-sp-qualificada-no-ppi-casa-civil>.

<sup>962</sup> Public hearing opened on the concession of BR-116 / RJ / SP, qualified in PPI / Casa Civil, The Investment Partnership Program (Brasilia) 19 December 2019. Access Date: 31 January 2020. <https://www.ppi.gov.br/aberta-audiencia-publica-acerca-da-concessao-da-br-116-rj-sp-qualificada-no-ppi-casa-civil>.

On 17 January 2020, the Sao Paulo State Government sponsored Piracicaba-Panorama Road Concession was completed, which integrated 62 Cities within Sao Paulo State through 1,273 kilometre of maintenance and new highway.<sup>963</sup> This project, valued at USD3,397.4 million will use technology to provide frequent user discounts, is part of Brazil's Zero Carbon Program for Highway Operation and is committed to improving road safety.<sup>964</sup>

On 19 February 2020, the Board of the Investment Partnership Program (PPI) qualified 22 new initiatives as national priorities.<sup>965</sup> PPI Special Secretary, Martha Seillier, stated that the goal of these new initiatives was largely to create a greener PPI, hereby contributing to sustainability and integrating environmental considerations.<sup>966</sup>

On 27 February 2020, the Tarcisio Gomes de Freitas, the Transportations Minister, signed a contract leasing the Paranaguá Container Terminal to Klabin, a paper producer and exporter, for 25 years.<sup>967</sup> The construction of new warehouses is predicted to grow the forest industry by allowing the port to handle larger capacities of product, maximizing economic efficiency of the port.<sup>968</sup>

Brazil has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration. Brazil has acted both unilaterally and multilaterally to maximize the impact of its infrastructure. It has focused on resilience against natural disasters and implemented social considerations with a renewed focus on health sector initiatives, environmental consideration with large hydro-power construction, introduced new technologies, and benefited the economy through improved mobility and new job prospects.

Thus, Brazil has received a score of +1

*Analyst: Ilan Hughes*

#### **Canada: +1**

Canada has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

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<sup>963</sup> Piracicaba-Panorama Road Concession (State of São Paulo), Global Infrastructure Hub (Sydney) 17 January 2020. Access Date: 30 January 2020. <https://pipeline.github.org/Project/ProjectDetails/975>.

<sup>964</sup> Piracicaba-Panorama Road Concession (State of São Paulo), Global Infrastructure Hub (Sydney) 17 January 2020. Access Date: 30 January 2020. <https://pipeline.github.org/Project/ProjectDetails/975>.

<sup>965</sup> PPI Council qualifies 22 projects as national priorities, The Investment Partnership Program (Brasilia) 20 February 2020. Access Date: 2 April 2020. <https://www.ppi.gov.br/12cpqi>.

<sup>966</sup> PPI Council qualifies 22 projects as national priorities, The Investment Partnership Program (Brasilia) 20 February 2020. Access Date: 2 April 2020. <https://www.ppi.gov.br/12cpqi>.

<sup>967</sup> Contract for pulp movement signed at the Port of Paranaguá / PR, qualified in PPI, The Investment Partnership Program (Brasilia) 27 February 2020. Access Date: 2 April 2020. <https://www.ppi.gov.br/assinado-contrato-para-movimentacao-de-celulose-no-porto-de-paranagua-qualificado-no-ppi>.

<sup>968</sup> Contract for pulp movement signed at the Port of Paranaguá / PR, qualified in PPI, The Investment Partnership Program (Brasilia) 27 February 2020. Access Date: 2 April 2020. <https://www.ppi.gov.br/assinado-contrato-para-movimentacao-de-celulose-no-porto-de-paranagua-qualificado-no-ppi>.

On 15 July 2019, the Canada Infrastructure Bank (CIB) pledged up to CAD20 million to the Township of Mapleton’s water and wastewater project. The aim of the project is to provide a pilot structuring and financing model for upgrades to municipal water and wastewater projects.<sup>969</sup>

On 1 August 2019, CIB agreed to work with the Lulu Island Energy Company on a district energy project, in line with their commitment to green infrastructure projects. The project will expand the pre-existing facilities from 330,000 square meters to 4.7 million square meters, conditional on the local government’s approval.<sup>970</sup>

On 1 August 2019, the Minister of Rural Economic Development Bernadette Jordan announced the Government of Canada will contribute CAD2.6 million to water and wastewater projects in the Municipality of the District and Lunenburg and the Town of Bridgewater as part of the Green Infrastructure Stream in the Investing in Canada infrastructure plan. The goal of these water and wastewater projects will be to decontaminate and upgrade wastewater facilities to support green and dynamic, healthy communities and protect the environment.<sup>971</sup>

On 1 August 2019, Member of Parliament of Gatineau Steven MacKinnon together with the Mayor of Gatineau Maxime Pedneaud-Jobin announced funding worth CAD22.5 million “to make essential improvements to the stormwater and runoff management systems in the Wabassee Creek watershed” as part of the Government of Canada’s Disaster Mitigation and Adaptation Fund. The goal of the project is to help mitigate the impacts of increased natural disasters due to climate change on Canadian families and businesses.<sup>972</sup>

On 1 August 2019, Minister of Defence Harjit Sajjan announced funding worth CAD250 million towards “repairs and upgrades to...armories and training facilities over the next 5 years,” CAD38 million which will be used in the upcoming fiscal year. The goal of the funding is to “increase the operational effectiveness of reserve units and regiments.”<sup>973</sup>

On 7 August 2019, the Minister of Infrastructure and Communities Francois-Philippe Champagne announced funding worth CAD16 million to “secure the town of Victoriaville’s drinking water supply” through the Government of Canada’s Disaster Mitigation and Adaptation Fund. The goal of

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<sup>969</sup> Canada Infrastructure Bank Announces up to \$20 million Investment Commitment in Mapleton Water and Wastewater Project 15/07/2019, Canada Newswire (Toronto) 15 July 2019. Access Date: 26 January 2020. <https://www.newswire.ca/news-releases/canada-infrastructure-bank-announces-up-to-20-million-investment-commitment-in-mapleton-water-and-wastewater-project-818217240.html>.

<sup>970</sup> Canada Infrastructure Bank Signs Memorandum of Understanding with the City of Richmond’s Lulu Island Energy Company 1/08/2019, Canada Newswire (Toronto) 1 August 2019. Access Date: 26 January 2020. <https://www.newswire.ca/news-releases/canada-infrastructure-bank-signs-memorandum-of-understanding-with-the-city-of-richmond-s-lulu-island-energy-company-842672336.html>.

<sup>971</sup> Residents to benefit from a soil remediation project in the Municipality of the District of Lunenburg and a wastewater upgrade project in the Town of Bridgewater 01/08/2019, Newswire (Toronto) 1 August 2019. Access Date: 27 January 2020. <https://news.ontario.ca/moi/en/2020/01/guelph-residents-to-benefit-from-improved-green-public-transit-infrastructure-1.html>.

<sup>972</sup> Better flood protection for Gatineau residents 01/08/2019, Newswire (Toronto) 1 August 2019. Access Date: January 27, 2020. <https://www.newswire.ca/news-releases/better-flood-protection-for-gatineau-residents-844036326.html>.

<sup>973</sup> Defence Department to spend \$250 million over five years on reserves for infrastructure, gear 01/08/2019, The Canadian Press (Toronto) 1 August 2019. Access Date: January 28, 2020. [https://www.google.com/search?q=the+canadian+press&rlz=1C5CHFA\\_enCA751CA751&oq=the+canadian+press&aqs=chrome.0.0l8.1959j0j1&sourceid=chrome&ie=UTF-8](https://www.google.com/search?q=the+canadian+press&rlz=1C5CHFA_enCA751CA751&oq=the+canadian+press&aqs=chrome.0.0l8.1959j0j1&sourceid=chrome&ie=UTF-8).

the project is to reduce the impact and protect local families and businesses from droughts and forest fires, which are “worsening due to climate change.”<sup>974</sup>

On 7 August 2019, the Canadian digital research infrastructure company CANARIE announced funding by the Government of Canada worth CAD137 million during its 2020-2024 mandate, as well as an addition CAD8 million in 2020 “to advance northern connectivity and cybersecurity initiatives.” The aim of the 2020-2024 mandate is “network evolution and initiatives that ensure Canada’s researchers and entrepreneurs realize the benefits of cloud technology, big data, and global research collaborations.”<sup>975</sup>

On 9 August 2019, the Minister of Infrastructure and Communities Francois-Philippe Champagne announced funding worth over CAD21.1 million towards “a new collections storage facility at the Reynolds-Alberta Museum” as part of the Government of Canada’s New Building Canada Fund — Provincial-Territorial Infrastructure Component — National and Regional Projects. The goal of the project is to “accommodate current and future artifacts and protect them from environmental elements” in an effort to promote tourism and conserve Canada’s heritage.<sup>976</sup>

On 9 August 2019, Minister of Rural Economic Development Bernadette Jordan and Minister of Community Services Kelly Regan announced joint funding worth over CAD2.07 million “for the construction of a permanent timber pile wharf...in Halifax Harbour,” in addition to CAD1.6 million worth of funding by the Canadian Government towards the Georges Island National Historic Site. These projects “aim to ensure safe access to the island” and to enhance the historical and cultural attraction of Halifax Harbour.<sup>977</sup>

On 13 August 2019, Bernadette Jordan, Minister of Rural Economic Development and Alfred Moses, Minister of Municipal and Community Affairs, pledged over CAD31.3 million to 19 strategic infrastructure investment projects across the Northwest Territories as part of various streams in the Government of Canada’s Investing in Canada infrastructure plan. The aim of the project is to fund waste and wastewater projects, community and cultural centers and accessible, modern infrastructure for families.<sup>978</sup>

On 19 August 2019, the Minister of Infrastructure and Communities Francois-Philippe Champagne announced funding worth CAD6,160,000 to improve transit in Metro Vancouver as part of the Public Transit Infrastructure Stream Investing in Canada infrastructure plan. The project will include new escalators and improvements to the PA system, CCTV cameras and Passenger Information

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<sup>974</sup> Increased drought protection for Victoriaville residents and businesses 07/08/2019, Newswire (Toronto) 7 August 2019. Access Date: January 27, 2020. <https://www.newswire.ca/news-releases/increased-drought-protection-for-victoriaville-residents-and-businesses-891176769.html>.

<sup>975</sup> Government of Canada invests \$137M in CANARIE to renew its mandate in 2020-2024 07/08/2019, Global Newswire (Ottawa) 7 August 2019. Access Date: January 28, 2020. <https://www.globenewswire.com/news-release/2019/08/07/1898606/0/en/Government-of-Canada-invests-137M-in-CANARIE-to-renew-its-mandate-for-2020-2024.html>.

<sup>976</sup> Government of Canada supports expansion of Reynold’s-Alberta Museum Collections Facility in East Wetaskiwin 09/08/2019, Canada Newswire (Toronto) 9 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/government-of-canada-supports-expansion-of-reynolds-alberta-museum-collections-facility-in-east-wetaskiwin-838689256.html>.

<sup>977</sup> Halifax to benefit from safe access to Georges Island, offering new visitor experiences, Canada Newswire (Toronto) 9 August 2019. Access Date: 28 January 2020. <https://www.newswire.ca/news-releases/halifax-to-benefit-from-safe-access-to-georges-island-offering-new-visitor-experiences-858361645.html>.

<sup>978</sup> Residents across the Northwest Territories to benefit from 19 infrastructure projects 13/08/2019, Newswire (Toronto) 13 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/residents-across-the-northwest-territories-to-benefit-from-19-infrastructure-projects-876688985.html>.

Displays to help to create “inclusive communities where everyone has access to public services and job opportunities” as well as to “reduce air pollution.”<sup>979</sup>

On 19 August 2019, Minister of Rural Economic Development Bernadette Jordan and Minister of Community and Government Services Lorne Kusugak announced joint funding worth over CAD151 million towards submarine fibreoptic cable from Iceland to Nunavut, as part of the Rural and Northern Communities Stream of the Investing in Canada infrastructure plan. The project will “connect 3215 households in Nunavut to high speed internet services,” enhancing services for the communities and supporting economic growth.<sup>980</sup>

On 22 August 2019, Premier of Ontario Doug Ford announced Ontario will be investing nearly CAD20 million worth of funding towards 11 new transit projects “to help municipalities repair or build critical infrastructure” as part of the Investing in Canada infrastructure plan. The projects will take place across Barrie, Orillia and Midland with the goal of boosting the local economy and reinvestment in community services and programs.<sup>981</sup>

On 23 August 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities, announced the commitment of over CAD123 million towards 10 public transit and active transportation projects in London, Ontario as part of the Public Transit Infrastructure Stream in the Government of Canada’s Investing in Canada infrastructure program. The aim of the project is to improve safety and service reliability and to shorten travel times for London residents by providing affordable transportation. This project will support local job and overall economic growth.<sup>982</sup>

On 23 August 2019, the Minister of International Development and Minister for Women and Gender Equality Maryam Monsef announced funding worth CAD917,000 through the Rural and Northern Communities Infrastructure Stream of the Investing in Canada Infrastructure Plan. The project includes roadwork that will “improve the safety for all users” and ensure “modern and reliable networks of roads and bridges” in Trent Lakes, “positioning [the community] for growth and long-term prosperity.”<sup>983</sup>

On 26 August 2019, Bernadette Jordan, Minister of Rural Economic Development and Bill Oliver, Minister of Transportation and Infrastructure, pledged over CAD1.5 million to the rural communities, Village of Chipman and Weldford Parish as part of the Government of Canada’s Rural

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<sup>979</sup> Canada invests in improving public transit amenities at Brentwood Town Centre Station 19/08/2019, Newswire (Toronto) 19 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/canada-invests-in-improving-public-transit-amenities-at-brentwood-town-centre-station-829089685.html>

<sup>980</sup> Nunavut residences to benefit from high speed internet 19/08/2019, Newswire (Toronto) 19 August 2019. Access Date: January 28, 2020. <https://www.newswire.ca/news-releases/nunavut-residents-to-benefit-from-high-speed-internet-806159319.html>.

<sup>981</sup> Ontario Improving Transit in Barrie, Orillia, and Midland 22/08/2019, Newsroom (Toronto) 22 August 2019. Access Date: January 28, 2020. <https://news.ontario.ca/opo/en/2019/08/ontario-improving-transit-in-barrie-orillia-and-midland.html>.

<sup>982</sup> London residents to benefit from improved public transit and active transportation infrastructure 23/08/2019, Newswire (Toronto) 23 August 2019. Access Date: January 27, 2020. <https://www.newswire.ca/news-releases/london-residents-to-benefit-from-improved-public-transit-and-active-transportation-infrastructure-840776849.html>.

<sup>983</sup> Reconstruction of Beaver Lake Road will improve safety for all road users in Trent Lakes 23/08/2019, Newswire (Toronto) 23 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/reconstruction-of-beaver-lake-road-will-improve-safety-for-all-road-users-in-trent-lakes-807264544.html>.

and Northern Communities Infrastructure Stream. The goal is to build infrastructure for essential services and to maintain the safety of pre-existing infrastructure such as roads and energy systems.<sup>984</sup>

On 26 August 2019, Minister of National Revenue Diane Lebouthillier announced funding worth over CAD45.8 million to repair ten parts of the Gaspésie railway through the Disaster Mitigation and Adaption Fund. This project aims to reduce the impact of natural disasters on Canadian communities due to “frequent and intensifying weather events caused by climate change.”<sup>985</sup>

On 27 August 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities pledged more than CAD100 million to be distributed among 15 projects as part of the Green Infrastructure Stream of the Government of Canada’s Investing in Canada plan and the Small Communities Fund of the New Building Canada Fund. Six of the projects will be dedicated to small communities and the other nine towards modernizing existing systems, with the goal of improving drinking water and wastewater services in the province of British Columbia.<sup>986</sup>

On 29 August 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities pledged more than CAD57 million towards 5 public transport projects in the Region of Waterloo towards the Public Transit Infrastructure Stream in the Government of Canada’s Investing in Canada infrastructure plan. The goal of the plan is to “increase the capacity of the public transit system in the region” and to provide affordable and sustainable transportation services to its residents which supports economic growth.<sup>987</sup>

On 29 August 2019, Parliamentary Secretary to the Minister of Intergovernmental and Northern Affairs and Internal Affairs Yvonne Jones and the Government of Quebec announced funding together worth CAD40.5million as a joint investment into rural Nunavik communities through the Rural and Northern Communities Infrastructure Stream of the Investing in Canada Infrastructure Plan, Indigenous Services Canada and the Aboriginal Affairs Secretariat. The purpose of the project is to provide residential rehabilitation services to people with addictions, preserve culture and “to help keep families together and improve children’s living conditions.”<sup>988</sup>

On 30 August 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities and Patty Hajdu, Minister of Employment, Workforce and Labour announced funding worth over CAD37 million to expand a highway as part of the Building Canada Fund-Major Infrastructure Component. Funding will be conditional on environmental assessment requirements and the consultation by the Government of Ontario with local Indigenous groups. The purpose of the project is to expand an 8.6 kilometre section of the highway and construct two new bridges to help

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<sup>984</sup> Residents of Village of Chipman and Weldford Parish to benefit from infrastructure improvements 26/08/2019, Canada Newswire (Toronto) 26 August 2019. Access Date: 26 January 2020. <https://www.newswire.ca/news-releases/residents-of-village-of-chipman-and-weldford-parish-to-benefit-from-infrastructure-improvements-805637165.html>.

<sup>985</sup> Canada invests in protecting the Gaspésie against erosion and restoring railway transportation 26/08/2019, Newswire (Toronto) 26 August 2019. Access Date: January 26, 2020. <https://www.newswire.ca/news-releases/canada-invests-in-protecting-the-gaspésie-against-erosion-and-restoring-railway-transportation-899458932.html>.

<sup>986</sup> Better drinking water and wastewater systems coming to multiple BC communities 27/08/2019, Canada Newswire (Toronto) 27 August 2019. Access Date: January 26, 2020. <https://www.newswire.ca/news-releases/better-drinking-water-and-wastewater-systems-coming-to-multiple-bc-communities-893033744.html>.

<sup>987</sup> Residents in the Waterloo Region to benefit from improved public transit infrastructure 29/08/2019, Newswire (Toronto) 29 August 2019. Access Date: January, 27 2020. <https://www.newswire.ca/news-releases/residents-in-the-waterloo-region-to-benefit-from-improved-public-transit-infrastructure-881228223.html>.

<sup>988</sup> Canada and Quebec invest to improving health services for Nunavik communities 29/08/2019, Newswire (Toronto) 29 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/canada-and-quebec-invest-to-improving-health-services-for-nunavik-communities-835123235.html>.

“businesses move their goods to customer markets...building a strong economy for all Canadians.”<sup>989</sup>

On 4 September 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities announced funding worth over CAD33.7 million through the Disaster Mitigation and Adaption Fund for the Toronto Waterfront Erosion Hazard Mitigation Project. The aim of the project is to “rehabilitate 80 structural assets along the north shore of Lake Ontario” and protect parks, trails, and other municipal infrastructure against flooding and erosion risks, due to climate change.<sup>990</sup>

On 4 September 2019, Francois-Philippe Champagne, Minister of Infrastructure and Communities pledged over CAD98.3 million to 16 local infrastructure projects throughout the Yukon, including green energy updates and local public work facilities, as part of the Government of Canada’s Investing in Canada infrastructure plan and Small Communities Fund (SCF).<sup>991</sup>

On 5 September 2019, Rodger Cruzner, Parliamentary Secretary to the Minister of Employment, Workforce Development and Labour, announced that over CAD39.1 million will be used to support the construction of two new wastewater treatment facilities for the residents of Cape Breton, as part of the Green Infrastructure Stream of the Government of Canada’s Investing in Canada plan.<sup>992</sup>

On 5 September 2019, the Minister of Infrastructure and Communities Francois-Philippe Champagne announced funding worth CAD29 million towards the construction of the Canada Games Park in the City of Thorold and upgrades to recreational fields and buildings in surrounding communities as part of the Community, Culture and Recreation Infrastructure Stream of the Government of Canada’s Investing in Canada infrastructure program. The goal of the project is to benefit local and national athletes, especially residents of the Niagara region and to support dynamic, healthy communities.<sup>993</sup>

On 21 December 2019, the Minister of Infrastructure and Communities Catherine McKenna announced funding worth CAD12.6 million for joint funding for “new handy DART operations and maintenance facility in View Royal” through the Public Transit Infrastructure Stream of the Investing in Canada infrastructure program. The aim of the project is to provide more transit services in Greater Victoria to accommodate expected increases in demand and to better accommodate residents with disabilities. The facility will be BC Transit’s first to be LEED Gold certified.<sup>994</sup>

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<sup>989</sup> Residents of Northern Ontario to benefit from expansion of Highway 11/17 30/08/2019, Canada Newswire (Toronto) 30 August 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/residents-of-northern-ontario-to-benefit-from-expansion-of-highway-11-17-837858466.html>.

<sup>990</sup> Canada helps protect communities across the City of Toronto from erosion and flooding 04/09/2019, Newswire (Toronto) 4 September 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/canada-helps-protect-communities-across-the-city-of-toronto-from-erosion-and-flooding-801293284.html>.

<sup>991</sup> Yukoners to benefit from 16 local infrastructure projects across the territory 04/09/2019, Canada Newswire (Toronto) 4 September 2019. Access Date: 26 January 2020. <https://www.newswire.ca/news-releases/yukoners-to-benefit-from-16-local-infrastructure-projects-across-the-territory-832167661.html>.

<sup>992</sup> Cape Breton residents to benefit from wastewater treatment infrastructure 05/09/2019, Canada Newswire (Toronto) 5 September 2019. Access Date: 26 January 2020. <https://www.newswire.ca/news-releases/cape-breton-residents-to-benefit-from-wastewater-treatment-infrastructure-883131119.html>.

<sup>993</sup> New federal investment in 2021Canada Games sport facilities 05/09/2019, Canada Newswire (Toronto) 5 September 2019. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/new-federal-investment-in-2021-canada-games-sport-facilities-844372948.html>.

<sup>994</sup> Keeping B.C. residents connected with improved transit services 21/12/2019, Mirage News (Wollongong) 21 December 2019. Access Date: 27 January 2020. <https://www.miragenews.com/keeping-bc-residents-connected-with-improved-transit-services/>.

On 14 January 2020, the Minister of Infrastructure and Communities Catherine McKenna and the Minister of Transportation, Infrastructure and Energy Steven Meyers announced funding of over CAD26.3 million for the construction of “a solar energy farm and storage facility in Summerside.” The project is funded through the Green Infrastructure Stream of the Government of Canada’s Investing in Canada infrastructure plan as an investment in innovative green infrastructure and aims to improve the energy efficiency of the City of Summerside so it can “meet 62 per cent of its electricity needs through renewable energy and reduce carbon dioxide emissions by 21,000 tonnes per year.”<sup>995</sup>

On 16 January 2020, the Minister of Infrastructure and Communities Catherine McKenna announced funding for the city of Guelph to replace 35 diesel busses and purchase 30 electric busses. The project is a part of the Public Transit Infrastructure Stream in the Government of Canada’s Investing in Canada infrastructure plan and will seek to expand transportation capacity and reduce emissions.<sup>996</sup>

On 17 January 2020, Minister of Infrastructure Laurie Scott and Premier of Ontario Doug Ford announced funding worth CAD200 million “to help 424 small, rural and northern communities build and repair critical local infrastructure, including roads, bridges, water and wastewater infrastructure.” Funding will be received through the Ontario Community Infrastructure Fund and the aim of the project is to provide small, rural and northern communities with reliable, safe infrastructure to sustain local economies.<sup>997</sup>

On 6 February 2020, Catherine McKenna, Minister of Infrastructure and Communities together with Bill Karsten, President of the Federation of Canadian Municipalities, announced funding worth over CAD2.5 million toward 11 new projects as part of the Green Municipal Fund.<sup>998</sup> These projects align with the principle of integrating environmental considerations in infrastructure investments and include testing electric public transport, thermophilic composters and helping low-income households minimize their greenhouse gas emissions.<sup>999</sup>

On 13 February 2020, Catherine McKenna, Minister of Infrastructure and Communities and Bill Karsten, President of the Federation of Canadian Municipalities, announced funding worth over CAD500,000 for 14 new projects as part of the Municipal Asset Management Program.<sup>1000</sup> These projects will help rural Quebec communities “plan, build and maintain their roads, bridges, water treatment plants and other assets more strategically and ensure their infrastructure dollars go

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<sup>995</sup> Summerside to benefit from a new solar farm 14/01/2020, Newswire (Toronto) 14 January 2020. Access Date: 27 January 2020. <https://www.newswire.ca/news-releases/summerside-to-benefit-from-a-new-solar-farm-848061014.html>.

<sup>996</sup> Guelph Residents to Benefit from Improved Green Public Transit Infrastructure 16/01/2020, Ontario Newsroom (Toronto) 16 January 2020. Access Date: 26 January 2020. <https://news.ontario.ca/moi/en/2020/01/guelph-residents-to-benefit-from-improved-green-public-transit-infrastructure-1.html>.

<sup>997</sup> Ontario Investing \$200 Million in Small, Rural and Northern Communities 17/01/2020, Ontario Newsroom (Parry Sound) 17 January 2020. Access Date: 28 January 2020. <https://news.ontario.ca/opo/en/2020/01/ontario-investing-200-million-in-small-rural-and-northern-communities.html>.

<sup>998</sup> Canadian communities receive federal support for sustainability projects 06/02/2020, Canada Newswire (Ottawa) 6 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canadian-communities-receive-federal-support-for-sustainability-projects-800967384.html>.

<sup>999</sup> Canadian communities receive federal support for sustainability projects 06/02/2020, Canada Newswire (Ottawa) 6 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canadian-communities-receive-federal-support-for-sustainability-projects-800967384.html>.

<sup>1000</sup> Quebec communities receive federal support for infrastructure planning 13/02/2020, Canada Newswire (Ottawa) 13 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/quebec-communities-receive-federal-support-for-infrastructure-planning-880025994.html>.

further.”<sup>1001</sup> This funding is in line with Canada’s commitment to maximizing the impact of infrastructure on sustainable growth and development.<sup>1002</sup>

On 20 February 2020, Maryam Monsef, Minister of Women and Gender Equality and Rural Economic Development, together with Jonatan Julien, Minister of Energy and Natural Resources, announced joint funding worth over CAD4.8 million to provide a road stop with approximately 41 kilometres of power line.<sup>1003</sup> This project is part of the Rural and Northern Communities stream of the Investing in Canada plan and will integrate the societal and environmental considerations of rural and northern communities, serving over 11,000 residents with a more efficient and reliable energy source.<sup>1004</sup>

On 20 February 2020, Maryam Monsef, Minister of Women and Gender Equality and Rural Economic Development, together with Jonatan Julien, Minister of Energy and Natural Resources, announced funding worth nearly CAD2.9 million to replace 31 culverts on a rural road in Quebec.<sup>1005</sup> This project is part of the Rural and Northern Communities stream of the Investing in Canada plan and will integrate the societal considerations of rural and northern communities, serving over 6,000 residents and ensuring the provision of necessary resources without interruption.<sup>1006</sup>

On 21 February 2020, Minister of Infrastructure and Communities Catherine McKenna and Minister of Transportation, Infrastructure and Energy Steven Myers announced funding worth over CAD303,000 towards expanding “the Tignish Co-Op Health Centre to include a community and recreational space.”<sup>1007</sup> The funding is through the Community, Culture and Recreation Stream (CCRIS) of the Investing in Canada infrastructure plan and will integrate social considerations by providing a variety of programs and services for seniors, new mothers, and youth in the area.<sup>1008</sup>

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<sup>1001</sup> Quebec communities receive federal support for infrastructure planning 13/02/2020, Canada Newswire (Ottawa) 13 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/quebec-communities-receive-federal-support-for-infrastructure-planning-880025994.html>.

<sup>1002</sup> Quebec communities receive federal support for infrastructure planning 13/02/2020, Canada Newswire (Ottawa) 13 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/quebec-communities-receive-federal-support-for-infrastructure-planning-880025994.html>.

<sup>1003</sup> Canada and Quebec are investing in improved access to renewable energy in northern Quebec 20/02/2020, Canada Newswire (James Bay) 20 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canada-and-quebec-are-investing-in-improved-access-to-renewable-energy-in-northern-quebec-814894526.html>.

<sup>1004</sup> Canada and Quebec are investing in improved access to renewable energy in northern Quebec 20/02/2020, Canada Newswire (James Bay) 20 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canada-and-quebec-are-investing-in-improved-access-to-renewable-energy-in-northern-quebec-814894526.html>.

<sup>1005</sup> Canada and Quebec are investing in the long-term sustainability of a key road link in northern Quebec 20/02/2020, Canada Newswire (Chisasibi) 20 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canada-and-quebec-are-investing-in-the-long-term-sustainability-of-a-key-road-link-in-northern-quebec-805829999.html>.

<sup>1006</sup> Canada and Quebec are investing in the long-term sustainability of a key road link in northern Quebec 20/02/2020, Canada Newswire (Chisasibi) 20 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/canada-and-quebec-are-investing-in-the-long-term-sustainability-of-a-key-road-link-in-northern-quebec-805829999.html>.

<sup>1007</sup> Tignish residents to benefit from the Co-op Health Centre expansion 21/02/2020, Newswire (Tignish) 21 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/tignish-residents-to-benefit-from-the-co-op-health-centre-expansion-860818763.html>.

<sup>1008</sup> Tignish residents to benefit from the Co-op Health Centre expansion 21/02/2020, Newswire (Tignish) 21 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/tignish-residents-to-benefit-from-the-co-op-health-centre-expansion-860818763.html>.

On 26 February 2020, Minister of Infrastructure and Communities Catherine McKenna and Minister of Infrastructure Laurie Scott announced funding worth over CAD1.6 million for ten public transit infrastructure projects in the City of Stratford.<sup>1009</sup> The funding is through the Public Transit Infrastructure Stream (PTIS) of the Investing in Canada infrastructure plan and will improve the city's public transit fleet and supporting infrastructure, as well as “pilot the design of new bus routes using an application-based, ‘on-demand’ software.”<sup>1010</sup> This project is in-line with Canada's commitment to integration societal considerations and maximizing the positive impact of its infrastructure investments.<sup>1011</sup>

On 2 March 2020, Minister of Infrastructure and Communities Catherine McKenna announced funding worth over CAD18.7 million “for the Birtle Transmission Line linking Saskatchewan to Manitoba's green, renewable energy,” through the Green Infrastructure Stream in the *Investing in Canada* plan.<sup>1012</sup> The project integrates environmental considerations with the aim to provide 215 megawatts of hydroelectric renewable energy funding to maintain stable, affordable energy.<sup>1013</sup>

Canada has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration. Canada is maximizing the impact of its new infrastructure through actions that are in line with five of the principles outlined: strengthening infrastructure governance, encouraging sustainable growth and development, integrating social considerations, integrating environmental considerations, and building resilience against natural disasters and other risks.

Thus, Canada has received a score of +1.

*Analyst: Georgia Gibbings*

### **China: +1**

China has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 13 September 2019, the National Development and Reform Commission approved the construction of a new high-speed railway linking the southwestern cities of Chongqing and Kunming.<sup>1014</sup> The project is aimed at advancing development of the Yangtze River economic belt,

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<sup>1009</sup> Stratford residents to benefit from new public transit infrastructure and accessible buses 26/02/2020, Canada Newswire (Stratford) 26 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/stratford-residents-to-benefit-from-new-public-transit-infrastructure-and-accessible-buses-865679479.html>.

<sup>1010</sup> Stratford residents to benefit from new public transit infrastructure and accessible buses 26/02/2020, Canada Newswire (Stratford) 26 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/stratford-residents-to-benefit-from-new-public-transit-infrastructure-and-accessible-buses-865679479.html>.

<sup>1011</sup> Stratford residents to benefit from new public transit infrastructure and accessible buses 26/02/2020, Canada Newswire (Stratford) 26 February 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/stratford-residents-to-benefit-from-new-public-transit-infrastructure-and-accessible-buses-865679479.html>.

<sup>1012</sup> Transmission line to reduce greenhouse gas emissions and create more reliable power supply 02/03/2020, Canada Newswire (Winnipeg) 2 March 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/transmission-line-to-reduce-greenhouse-gas-emissions-and-create-more-reliable-power-supply-870531530.html>.

<sup>1013</sup> Transmission line to reduce greenhouse gas emissions and create more reliable power supply 02/03/2020, Canada Newswire (Winnipeg) 2 March 2020. Access Date: 23 March 2020. <https://www.newswire.ca/news-releases/transmission-line-to-reduce-greenhouse-gas-emissions-and-create-more-reliable-power-supply-870531530.html>.

<sup>1014</sup> NDRC approves high-speed rail project in SW China, The State Council of the People's Republic of China (Beijing) September 2019. Access Date: February 2020. [http://english.www.gov.cn/statecouncil/ministries/201909/13/content\\_WS5d7b8d50c6d0bcf8c4c1357a.html](http://english.www.gov.cn/statecouncil/ministries/201909/13/content_WS5d7b8d50c6d0bcf8c4c1357a.html).

accelerating the construction of the high-speed rail corridor between Beijing and Kunming, strengthening ties between city clusters and promoting economic and social development and poverty reduction along the route.<sup>1015</sup>

On 15 November 2019, National Development and Reform Commission approved development projects for the Guangdong-Hong Kong-Macao Greater Bay Area, involving projects for the region in aspects like infrastructural connectivity, ecological and environmental protection, industrial development and inter-city railway.<sup>1016</sup>

On 28 November 2019, China launched a national information monitoring and service platform for public-private partnership (PPP) projects, with urban infrastructure reporting 2,734 projects with a total investment of CNY4.18 trillion. This new platform and associated processes allow for some transparency and oversight of PPP projects, including through the release of supervision reports and warnings on “abnormal” projects.<sup>1017</sup>

On 28 November 2019, the China National Petroleum Corporation announced that natural gas will start flowing through the China-Russia east route natural gas pipeline and will help meet clean energy demand in several places across Northeast China, the Beijing-Tianjin-Hebei region, and the Yangtze River Delta area. “It will not only increase gas supplies to targeted areas, but also has great significance in improving pipeline infrastructure construction and interconnection, as well as enticing market competition to reduce gas costs.” This will support the economic growth of the country as well.<sup>1018</sup>

On 1 December 2019, the Communist Party of China Central Committee and the State Council jointly issued an outline for the integrated regional development of the Yangtze River Delta, which maps development for a 358,000-square km expanse and will establish a coordinated innovative industry system, enhancing connectivity of infrastructure and strengthening environmental protection.<sup>1019</sup>

On 6 December 2019, the Communist Party of China Central Committee and the State Council issued a plan on the construction of national culture parks for the Great Wall, the Beijing-Hangzhou Grand Canal and the Long March. China aims to complete the construction of the parks by 2023 with related cultural resources enjoying better protection, inheritance and utilization.<sup>1020</sup>

On 9 January 2020, Ministry of Water Resources announced China spent a record CNY726 billion (USD104.46 billion) on water conservation infrastructure projects in 2019, with improved drinking

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<sup>1015</sup> NDRC approves high-speed rail project in SW China, The State Council of the People’s Republic of China (Beijing) September 2019. Access Date: February 2020.

[http://english.www.gov.cn/statecouncil/ministries/201909/13/content\\_WS5d7b8d50c6d0bcf8c4c1357a.html](http://english.www.gov.cn/statecouncil/ministries/201909/13/content_WS5d7b8d50c6d0bcf8c4c1357a.html).

<sup>1016</sup> China to accelerate approvals of development projects for Greater Bay Area, Xinhua Net (Xinhua) 15 November 2019. Access Date: 30 January 2020. [http://www.xinhuanet.com/english/2019-11/15/c\\_138558657.htm](http://www.xinhuanet.com/english/2019-11/15/c_138558657.htm).

<sup>1017</sup> China launches national information platform for PPP projects, Xinhua Net (Xinhua) 28 November 2019. Access Date: 30 January 2020. [http://www.xinhuanet.com/english/2019-11/28/c\\_138590218.htm](http://www.xinhuanet.com/english/2019-11/28/c_138590218.htm).

<sup>1018</sup> China National Petroleum Corporation announces new oil and gas reserves, Xinhua Net (Xinhua) 29 September 2019. Access Date: 31 January 2020. [http://www.xinhuanet.com/english/2019-09/29/c\\_138434343.htm](http://www.xinhuanet.com/english/2019-09/29/c_138434343.htm).

<sup>1019</sup> China outlines integrated development of Yangtze River Delta, China Daily (Beijing) 1 December 2019. Access Date: 31 January 2020. <https://www.chinadaily.com.cn/a/201912/01/WS5de3c955a310cf3e3557b2ff.html>.

<sup>1020</sup> China issues plan on building national culture parks, Xinhua Net (Xinhua) 6 December 2019. Access Date: 31 January 2020. [http://www.xinhuanet.com/english/2019-12/06/c\\_138610561.htm](http://www.xinhuanet.com/english/2019-12/06/c_138610561.htm)

water quality in rural areas that benefited 54.8 million people. The country also addressed the problem of excessive fluoride in drinking water for 6.15 million rural people.<sup>1021</sup>

China has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration. China's actions have fallen in line with four principles through infrastructure projects that are strengthening infrastructure governance, encouraging sustainable growth and development, integrating social considerations, and integrating environmental considerations.

Thus, China has received a score of +1.

*Analyst: Ishman Absan*

### **France: -1**

France has not complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

France is currently working on an Urban Cable Car system in Ajaccio, Corsica. The goal is to connect the district of St. Joseph with the eastern entrance of Ajaccio. The project will include four stations, and two of them will be connected to the bus, railway or maritime shuttle. The cable cars offer a low emission rate and a high carrying capacity.<sup>1022</sup>

On 14 January 2020, new restrictions were put in place, beginning 1 January 2021, to reduce the carbon impact of buildings, especially during the warmer summer months.<sup>1023</sup> The priorities include monitoring new buildings total life cycle emissions, improve energy performance, guarantee to residents that living accommodations will be adaptable to future climatic conditions (including better resistance to heat waves).<sup>1024</sup>

On 27 January 2020, Elisabeth Borne, Minister for the Ecological and Inclusive Transition, and Jean-Baptiste Djebbari, Secretary of State for Transport, announced a plan to adapt aeronautical biofuels to make them more sustainable in order to meet the climate challenge and reduce its carbon footprint.<sup>1025</sup>

France has not complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration, taking action in line with only one principle: integrating environmental considerations.

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<sup>1021</sup> China spends record capital on water conservation in 2019, China Daily (Beijing) 10 January 2020. Access Date: 31 January 2020. <https://www.chinadaily.com.cn/a/202001/10/WS5e17d849a310cf3e35583ac7.html>.

<sup>1022</sup> Ajaccio urban cable car, France Mobilities (Paris) February 2019. Date of Access: 28 January 2020. <https://www.francemobilites.fr/projets/telepherique-urbain-dajaccio>.

<sup>1023</sup> RE2020: A new step towards a more ambitious future environmental regulation of new buildings against climate change, Ministry of the Ecological and Inclusive Transition (Paris) 14 January 2020. Date of Access: 23 March 2020. <https://www.ecologique-solidaire.gouv.fr/re2020-nouvelle-etape-vers-future-reglementation-environnementale-des-batiments-neufs-plus>.

<sup>1024</sup> RE2020: A new step towards a more ambitious future environmental regulation of new buildings against climate change, Ministry of the Ecological and Inclusive Transition (Paris) 14 January 2020. Date of Access: 23 March 2020. <https://www.ecologique-solidaire.gouv.fr/re2020-nouvelle-etape-vers-future-reglementation-environnementale-des-batiments-neufs-plus>.

<sup>1025</sup> Launch of the roadmap for sustainable aeronautical biofuels for French air transport, Ministry of the Ecological and Inclusive Transition (Paris) 27 January 2020. Date of Access: 28 January 2020. <https://www.ecologique-solidaire.gouv.fr/lancement-feuille-route-des-biocarburants-aeronautiques-durables-dans-transport-aerien-francais>.

Thus, France has received a score of -1.

*Analyst: Abby Lessard*

**Germany: +1**

Germany has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its strategic direction and high aspiration.

On 5 June 2019, the Federal Ministry of Transport and Digital Infrastructure launched an EUR11 million financial assistance programme for environmentally-friendly on-board and mobile shore-side port electricity supply systems, serving seafaring ships and inland watercraft.<sup>1026</sup> This initiative, which includes implementation collaboration with the Federal States, seeks to bring about a broad transition to shore-side electricity at all German ports, providing cleaner air and increasing the attractiveness of marine transport.<sup>1027</sup>

On 4 July 2019, Federal Minister Andreas Scheuer presented the eight-point “Low water on the Rhine” action plan to enhance the functionality of the Rhine as a crucial transport waterway. The plan outlines eight measures, including developing vessels suitable for low-water conditions, fast-tracking infrastructure measures, and fostering societal dialogue. The plan seeks to address challenges posed by climate change and bolster the Rhine as an environmentally sustainable transport route.<sup>1028</sup>

On 18 September 2019, the Federal Ministry of Transport and Digital Infrastructure extended the IHATEC funding program for new port technologies until 2025, providing EUR11 million per year, and announced additional funding for seafaring liquefied natural gas propulsion mechanisms, offering up to EUR7 million per scheme. The investments in clean ships and future ports aim to secure Germany’s 36,000 shipping-related jobs and reduce the environmental impacts of trade.<sup>1029</sup>

On 22 October 2019, Federal Minister Andreas Scheuer announced EUR26 million in funding for three research and development initiatives under the 5G Innovation Programme. The three projects affect the areas of healthcare, researching 5G’s potential applications in rural and home healthcare, manufacturing, transferring 5G to innovative production technologies, and mobility, testing 5G applications in industry and mobility solutions. Together these 5G Innovation Programme schemes seek to maximize the utility of 5G technology to transform operations and lives.<sup>1030</sup>

On 6 December 2019, the Federal Government broke ground on its EUR118-million investment upgrading the Nürnberg-Ost interchange at the A6 and A9 federal motorways. The expansion of ramps and addition of an overfly will reduce congestion for the 82,000 vehicles per day traversing it,

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<sup>1026</sup> The Federal Ministry of Transport and Digital Infrastructure is funding the on-board and mobile shore-side supply of electricity at seaports and inland ports, Federal Ministry of Transport and Digital Infrastructure (Berlin) 5 June 2019. Access Date: 20 March 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/047-scheuer-bordstrom.html>.

<sup>1027</sup> The Federal Ministry of Transport and Digital Infrastructure is funding the on-board and mobile shore-side supply of electricity at seaports and inland ports, Federal Ministry of Transport and Digital Infrastructure (Berlin) 5 June 2019. Access Date: 20 March 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/047-scheuer-bordstrom.html>.

<sup>1028</sup> Scheuer: H2O, not CO2 — We are future-proofing the transport of goods on the Rhine, Federal Ministry of Transport and Digital Infrastructure (Berlin) 4 July 2019. Access Date: 6 February 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/053-scheuer-action-plan-transport-rhine.html>.

<sup>1029</sup> 11 million euros for IHATEC in the period until 2025 / 2nd call for applications for funding for LNG propulsion systems for sea-going ships, Federal Ministry of Transport and Digital Infrastructure (Berlin) 18 September 2019. Access Date: 6 February 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/066-technology-update-clean-ships-future.html>.

<sup>1030</sup> Federal Ministry of Transport and Digital Infrastructure provides funding of 26 million euros to three 5G research projects, Federal Ministry of Transport and Digital Infrastructure (Berlin) 22 October 2019. Access Date: 6 February 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/080-scheuer-funding-5g-research.html>.

up to 30 per cent of which are toll-paying heavy goods vehicles. The motorway improvement was identified as an economically productive measure with a benefit-cost ratio greater than 10:1.<sup>1031</sup>

On 20 December 2019, the Federal Ministry of Transport and Digital Infrastructure initiated the establishment of a new National Coordination Centre for Charging Infrastructure under the Charging Infrastructure Masterplan. The Centre is tasked with facilitating the swift and coordinated rollout of charging facilities nationwide, with an initial target of 1,000 high-power charging stations. This effort to make electric charging widely accessible intends to increase the prevalence of electric mobility and standardize provision and pricing, promoting a cleaner travel footprint.<sup>1032</sup>

Germany has fully complied with its commitment by acting on five of the six principles: maximizing the positive impact of infrastructure to achieve sustainable growth and development, raising economic efficiency in view of life-cycle cost, integrating environmental considerations in infrastructure investments, building resilience against natural disasters and other risks, and integrating social considerations in infrastructure investment

Thus, Germany has received a score of +1

*Analyst: Omar Kassam*

### **India: +1**

India has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its strategic direction and high aspiration.

On 2 July 2019, Aurangabad is expected to be equipped with smart infrastructure that will allow the Aurangabad municipal government and the police department to centrally manage essential civic and citizen service mechanisms.<sup>1033</sup>

On 5 July 2019, Union Minister for Finance and Corporate Affairs, Nirmala Sitharaman, announced the Jal Jeevan Mission, which “will focus on the creation of local infrastructure for water sustainability.” This project is intended to “[ensure] India’s water security and providing access to safe and adequate drinking water for all Indians.”<sup>1034</sup>

On 9 July 2019, the Chennai state government announced an INR540 million investment to improve the infrastructures of 10 colleges in order to help them achieve National Assessment and Accreditation Council accreditation.<sup>1035</sup>

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<sup>1031</sup> Ground-breaking ceremony for the upgrading of the Nürnberg-Ost interchange, Federal Ministry of Transport and Digital Infrastructure (Berlin) 6 December 2019. Access Date: 6 February 2020.

<https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/096-scheuer-a6-a9-upgrading-nuernber-ost.html>.

<sup>1032</sup> Charging infrastructure will soon be here, Federal Ministry of Transport and Digital Infrastructure (Berlin) 20 December 2019. Access Date: 6 February 2020. <https://www.bmvi.de/SharedDocs/EN/PressRelease/2019/100-charging-infrastructure-will-soon-be-here.html>.

<sup>1033</sup> Aurangabad’s smart infrastructure to be ready within 10 months, Times of India (Aurangabad) 2 July 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/city/aurangabad/aurangabads-smart-infrastructure-to-be-ready-within-10-months/articleshow/70039136.cms>.

<sup>1034</sup> ‘Jal Jeevan Mission’ to focus on local infrastructure for water sustainability: Sitharaman, Times of India (New Delhi) 5 July 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/india/jal-jeevan-mission-to-focus-on-local-infrastructure-for-water-sustainability-sitharaman/articleshow/70092102.cms>.

<sup>1035</sup> TN to spend Rs 54 crore to improve infrastructure of 12 state-run colleges, Times of India (Chennai) 9 July 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/city/chennai/tn-to-spend-rs-54-crore-to-improve-infrastructure-of-10-state-run-colleges/articleshow/70135069.cms>.

On 15 Aug 2019, Indian Prime Minister Narendra Modi committed to a five-year, INR1 trillion plan to invest in developing infrastructure. The aim of this investment is to spur enough economic growth to help the country achieve their target of an INR5 trillion economy.<sup>1036</sup>

On 2 Oct 2019, Odisha Government initiates infrastructure projects at Kotia to boost infrastructure in one of the remote corners of the state and would help to check Andhra's "infiltration" into the area. The projects, which are in various stages of completion, are being executed at a cost of INR55 crore.<sup>1037</sup>

On 29 Nov 2019, the Indian government is set to pump INR800–1,000 core equity into Indian Infrastructure Finance Company Ltd to bolster its lending capacity at a time when it has emerged as a long ranger of sorts to fund highway and other core sector projects.<sup>1038</sup>

On 12 Dec 2019, District collector Vadarevu Vinay Chand announced that the administration is gearing up to develop infrastructure in over a thousand government schools in the district. The program would be taken up in 1,234 schools that have been identified under the first phase of the Nadu-Nedu program.<sup>1039</sup>

On 31 Jan 2020, Suez India Private Limited, the private company contracted for the creation of a 24/7 drinking water project announced that they also planned to open a 24/7 customer care center that would address grievances related to water-supply of the city and solve their problems instantly as well as minimize illegal activity.<sup>1040</sup>

India has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with four of the principles outlined.

Thus, India receives a score of +1.

*Analysts: Sophia Bai and Ian Stansbury*

### **Indonesia: -1**

Indonesia has not complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

No actions taken by Indonesia related to infrastructure in line with the G20 Principles for Quality Infrastructure Investment were found within the compliance period.

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<sup>1036</sup> PM Modi: Government to invest Rs 100 lakh crore in infra, \$5 trillion economy target achievable, Times of India (New Delhi) 15 August 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/business/india-business/pm-narendra-modi-says-will-invest-rs-100-lakh-crore-in-infrastructure-5-trillion-economy-target-achievable/articleshow/70685941.cms>.

<sup>1037</sup> Odisha Government initiates infrastructure projects at Kotia to keep Andhra Pradesh at bay, Times of India (Koraput) 2 October 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/city/bhubaneswar/govt-initiates-infra-projects-at-kotia-to-keep-ap-at-bay/articleshow/71400013.cms>.

<sup>1038</sup> Government set to infuse Rs 1,000 core equity in IIFCL, Times of India (New Delhi) 29 November 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/business/india-business/government-set-to-infuse-rs-1000-crore-equity-in-iifcl/articleshow/72192625.cms>.

<sup>1039</sup> Boost to infrastructure in over 1,000 schools in Visakhapatnam, Times of India (Visakhapatnam) 12 December 2019. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/city/visakhapatnam/boost-to-infra-in-over-1000-schools-in-dist/articleshow/72481225.cms>.

<sup>1040</sup> 24\*7 customer center for water supply planned in Mangaluru, Times of India (Mangaluru) 31 January 2020. Access Date: 21 February 2020 <https://timesofindia.indiatimes.com/city/mangaluru/24x7-customer-care-centre-for-water-supply-planned/articleshow/73779797.cms>.

Thus, Indonesia receives a score of -1.

*Analyst: Abby Lessard*

### **Italy: +1**

Italy has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its strategic direction and high aspiration.

On 21 November 2019, the Italian Ministry of Infrastructure and Transports established the modalities to bring into force the National Digital Archive of Public Works, a database to monitor public works across Italy, including economic and financial efficiency, as well as safety.<sup>1041</sup> The database addressed principle three, on raising economic efficiency in view of life-cycle cost.

On 24 July 2019, the Government of Italy committed EUR15.4 billion to close the country's southern infrastructure gap and expedite the installation of European Rail Traffic Management System technologies by 15 years. This investment will greatly enhance the safety, performance, and efficiency of the Italian rail system, with EUR1.7 billion dedicated exclusively to technological modernization. The commitment also included the launch of a program designated to the conservation and efficiency of more than 19,000 bridges, viaducts, underpasses, and other public works.<sup>1042</sup>

On 3 September 2019, Minister of Infrastructure and Transport Danilo Toninelli signed a decree providing EUR7.5 million to finance infrastructure schemes in small municipalities with fewer than 3,500 residents. Funds will be used for road maintenance, public lighting, municipal public structures, and architectural renovation across 1,152 municipalities identified as incompletely urbanized and socially and materially vulnerable.<sup>1043</sup>

On 18 December 2019, the Ministry of Infrastructure and Transport approved EUR5 billion in new infrastructure projects nationwide, the largest share of which is dedicated to urban transport. EUR2 billion will go toward new metro lines, tramways, trolleybuses, and rolling stock for 17 public transport projects in Rome, Milan, Florence, Bologna, Turin, La Spezia, and Bergamo. This investment will meet demands for sustainable mobility, and reduce environmental impacts, accidents, and energy consumption.<sup>1044</sup>

On 8 January 2020, the Government of Italy signed an inter-ministerial decree allocating EUR2.2 billion to the Italian regions for the procurement of eco-friendly public transport buses and other infrastructure under the National Strategic Plan for Sustainable Mobility. This initiative aims to renew

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<sup>1041</sup> AINOP, entra in vigore il decreto attuativo, Ministero delle Infrastrutture e dei Trasporti (Rome) 20 November 2019. Access Date: 30 September 2020. <http://www.mit.gov.it/documentazione/ainop-entra-vigore-il-decreto-attuativo>.

<sup>1042</sup> Dal Cipe via libera a 15,4mld in più per opere e sicurezza ferroviaria, Ministero delle Infrastrutture e dei Trasporti (Rome) 24 July 2019. Access Date: 6 February 2020. <http://www.mit.gov.it/comunicazione/news/rfi-sicurezza-ferrovie-transporto-ferroviario/dal-cipe-libera-154mld-piu-per>.

<sup>1043</sup> Piccoli comuni, Toninelli firma dm per finanziamento da 7,5 mln, Ministero delle Infrastrutture e dei Trasporti (Rome) 3 September 2019. Access Date: 6 February 2020. <http://www.mit.gov.it/index.php/comunicazione/news/sbloccacantieri-cantieri-opere-pubbliche-manutenzione-strade-barriere-0>.

<sup>1044</sup> Via libera dalla Conferenza Unificata a progetti per oltre 5 miliardi, Ministero delle Infrastrutture e dei Trasporti (Rome) 18 December 2019. Access Date: 6 February 2020. <http://www.mit.gov.it/comunicazione/news/libera-dalla-conferenza-unificata-progetti-per-oltre-5-miliardi>.

bus fleets with younger, less polluting vehicles to promote improved air quality and utilize efficient technologies.<sup>1045</sup>

Italy has partially complied with its commitment by acting on four of the six principles: maximizing the positive impact of infrastructure to achieve sustainable growth and development, integrating environmental considerations in infrastructure investments, integrating social considerations in infrastructure investment and raising economic efficiency of life-cycle cost.

Thus, Italy receives a score of +1.

*Analyst: Omar Kassam*

### **Japan: 0**

Japan has partially complied with its commitment endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 28 August 2019, the 7th Tokyo International Conference on African Development was held in Yokohama to promote infrastructure investment in Africa and reiterate support for current Japanese companies working to extend their impact in Africa. A focus was put on building infrastructure to enhance connectivity and building societies that are disaster resilient, primarily in the Nacala Corridor, the East Africa Northern Corridor and the West Africa Growth Ring.<sup>1046</sup>

On 24 September 2019, Japan and Indonesia concluded two years of negotiations over a JPY458 billion real project that would link Jakarta and Surabaya. The project is scheduled to begin in 2020 and will involve the construction of approximately 720 kilometre of new rail which will reduce the need for air travel between the two cities, contributing to a reduction of carbon emissions.<sup>1047</sup>

On 18 November 2019, the Japan Bank for International Cooperation agreed to loan USD194 million to Umm Al Houl Power of Qatar to expand Qatar's Facility D Natural Gas-Fired Power Generation and Desalination Project. This loan will help expand the facilities desalination process by 280,000 cubic metres per day to help satisfy the increasing demand for water in Qatar as the economy strengthens while simultaneously increasing the international competitiveness of Japanese energy companies.<sup>1048</sup>

On 20 December 2019, the Japan Bank for International Cooperation signed a EUR44 million loan for the Moroccan Taza onshore wind power generation project. The Moroccan company Parc Eolien de Taza SA will own and maintain the new generation plant capable of operating at 87.21MW. This infrastructure project will help Morocco reach its renewable energy target of 52 per cent by 2030,

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<sup>1045</sup> Tpl, alle Regioni 2,2 miliardi per l'acquisto di bus ecologici, Ministero delle Infrastrutture e dei Trasporti (Rome) 8 January 2020. Access Date: 6 February 2020. <http://www.mit.gov.it/index.php/comunicazione/news/tpl-risorse-autobus-mobilita-mobilita-sostenibile/tpl-alle-regioni-22-miliardi>.

<sup>1046</sup> The Seventh Tokyo International Conference on African Development (TICAD7), Ministry of Foreign Affairs of Japan (Tokyo) 30 August 2019. Access Date: 1 February 2020. <https://www.mofa.go.jp/files/000521256.pdf>.

<sup>1047</sup> Indonesia and Japan reach deal on ¥458 billion Jakarta-Surabaya rail project, Japan Times (Tokyo) 24 September 2019. Access Date: 1 February 2020. <https://www.japantimes.co.jp/news/2019/09/24/business/indonesia-japan-reach-deal-%C2%A5458-billion-jakarta-surabaya-rail-project/#.XjX0WGhKg2w>.

<sup>1048</sup> Project Finance for Facility D Natural Gas-Fired Power Generation and Desalination Project (Expansion Project) in Qatar, Japan Bank for International Cooperation (Tokyo) 19 December 2019. Access Date: February 1, 2020. <https://www.jbic.go.jp/en/information/press/press-2019/1119-012769.html>.

aligns with Japan's Export Strategy for Infrastructure System and Japan's Paris Agreement promise of leading global decarbonization efforts.<sup>1049</sup>

From 17-18 February 2020, the Asian Development Bank and the Japan Bank for International Cooperation met to draft future sustainable environmental infrastructure projects.<sup>1050</sup> These pilot projects will help introduce Japanese infrastructure to eradicate ocean plastic litter by 2050 and introduce Japanese financial assistance to help increase investment in quality infrastructure across the Asia-Pacific sphere.<sup>1051</sup>

Japan has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration. Japan has taken actions in line with two principles through initiatives with environmental considerations and building resilience against natural disasters.

Thus, Japan has received a score of 0.

*Analyst: Ian Hughes*

### **Korea: 0**

Korea has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 4 September 2019, Korean President Moon Jae-in, laid out his vision for closer partnerships between Korea and Myanmar, with a focus on revving up cooperation on infrastructure and culture as well as promoting people-to-people exchanges.<sup>1052</sup>

On 6 November 2019, Korean airport operator Korea Airports Corp. announced it submitted the final proposal for the operation of an airport in Manta, Ecuador. The final proposal encompasses plans for the financial structure and traffic size as well as development plans for the airport reflecting demands from the Ecuadorian government.<sup>1053</sup>

On 19 November 2019, Transport Ministry of Korea announced it will invest KRW4.84 trillion (USD4.2 billion) to expand its main airport to meet rapidly rising travel demand. Once completed, the expanded Incheon airport will be able to manage 106 million passengers a year with two terminals that separately accommodate over 50 million passengers each.<sup>1054</sup>

On 19 December 2019, Korean Manufacturing and Trading company Hanwha Energy announced it has joined hands with Korea Gas Corp. (Kogas) and Korea Southern Power (Kospo) to cooperate in

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<sup>1049</sup> Project Financing for Taza Onshore Wind Power Generation Project in Morocco, Japan Bank for International Cooperation (Tokyo) 23 December 2019. Access Date: February 1, 2020.

<https://www.jbic.go.jp/en/information/press/press-2019/1223-012972.html#link2> .

<sup>1050</sup> BIC Held Meetings with ADB to Discuss Sustainable Development of Environmental Infrastructure Projects, Japan Bank for International Cooperation (Tokyo) 2 April 2020. Access Date: 2 April 2020.

<https://www.jbic.go.jp/en/information/topics/topics-2019/0306-013231.html>.

<sup>1051</sup> BIC Held Meetings with ADB to Discuss Sustainable Development of Environmental Infrastructure Projects, Japan Bank for International Cooperation (Tokyo) 2 April 2020. Access Date: 2 April 2020.

<https://www.jbic.go.jp/en/information/topics/topics-2019/0306-013231.html>.

<sup>1052</sup> Moon presents S. Korea-Myanmar partnership vision at Yangon business forum, Korea Herald (Seoul) 4 September 2019. Access Date: 31 January 2020. [http://www.koreaherald.com/view.php?ud=20190904000826&ACE\\_SEARCH=1](http://www.koreaherald.com/view.php?ud=20190904000826&ACE_SEARCH=1).

<sup>1053</sup> Korea and US sign an MOU on Joint Infrastructure Development, Government of Korea (Seoul) 18 October 2019. Access Date: 31 January 2020. <http://english.moef.go.kr/pc/selectTbPressCenterDtl.do?boardCd=N0001&seq=4773>.

<sup>1054</sup> Korea Airports Corp. submits final proposal for Manta airport in Ecuador, Korea Herald (Seoul) 6 November 2019. Access Date: 31 January 2020. [http://www.koreaherald.com/view.php?ud=20191106000762&ACE\\_SEARCH=1](http://www.koreaherald.com/view.php?ud=20191106000762&ACE_SEARCH=1).

infrastructure development projects for a gas plant and liquefied natural gas terminal in Vietnam. According to the company, the three firms will form a consortium called Korea Consortium for the joint project.<sup>1055</sup>

On 10 January 2020, Vice Finance Minister Koo Yun-cheol announced that Korea will speed up its budget spending in the first quarter as it seeks to revitalize the economy through large-scale investment projects. Among the new infrastructure projects under review are KRW13.5 trillion worth of major roads and railways and 3.5 trillion won worth of environment-related businesses. Koo emphasizes that there would be a focus on social infrastructure and job creation in the first quarter.<sup>1056</sup>

Korea has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with three of the principles.

Thus, Korea receives an overall score of 0.

*Analyst: Ishmam Ahsan*

**Mexico: +1**

Mexico has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure.

On 11 July 2019, the Secretary of Communications and Transport announced that it would expand the Port of Manzanillo in the Cuyutlan Lagoon to underpin the development of the National Port System, to meet the growing demand for port services. This project pledges to ensure that the Environmental Impact Mitigation Measures are met during the construction process.<sup>1057</sup>

On 13 September 2019, the Foreign Ministry and National Audit Office signed an agreement on the oversight of aid to Mesoamerica and the Caribbean. The agreement will be in effect for two years and will help ensure that there is oversight and audits for public resources that are used by the Infrastructure Fund for Mesoamerica and the Caribbean.<sup>1058</sup>

On 31 October 2019, the Secretaries of Agrarian, Territorial, and Urban Development and Governance signed an agreement to promote sustainable urban development in Mexican cities. The specific area of action the agreement focuses on is establishing collaboration mechanisms to link Federal projects to municipalities while supporting municipal development. The objective of this is to

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<sup>1055</sup> Hanwha Energy taps Vietnam's energy market, Korea Herald (Seoul) 19 December 2019. Access Date: 31 January 2020. [http://www.koreaherald.com/view.php?ud=20191219000674&ACE\\_SEARCH=1](http://www.koreaherald.com/view.php?ud=20191219000674&ACE_SEARCH=1).

<sup>1056</sup> S. Korea to speed up budget spending in Q1: vice finance minister, Korea Herald (Seoul) 10 January 2020. Access Date: 31 January 2020. [http://www.koreaherald.com/view.php?ud=20200110000550&ACE\\_SEARCH=1](http://www.koreaherald.com/view.php?ud=20200110000550&ACE_SEARCH=1).

<sup>1057</sup> Ampliaremos el Puerto de Manzanillo en la Laguna de Cuyutlán, Secretary of Communications and Transport (Mexico City) 11 July 2019. Access Date: 20 March 2020. <https://www.gob.mx/sct/es/articulos/ampliaremos-el-puerto-de-manzanillo-en-la-laguna-de-cuyutlan?idiom=es>.

<sup>1058</sup> Foreign Ministry and National Audit Office Agree on Oversight for Aid to Mesoamerica and the Caribbean (Mexico Fund), Secretary of Foreign Relations (Mexico City) 13 September 2019. Access Date: 2 February 2020. <https://www.gob.mx/sre/en/articulos/foreign-ministry-and-national-audit-office-agree-on-oversight-for-aid-to-mesoamerica-and-the-caribbean-mexico-fund-217182?idiom=en>.

recognize the important role municipal government plays in understanding the needs of its population when it comes to development projects.<sup>1059</sup>

On 27 November 2019, the Secretaries of Agrarian, Territorial and Urban Development announced the National Housing Program and invested MXN2.3 million to the program that will have over 5.4 million actions and benefit 20 million people. The program is aimed to support the most vulnerable individuals and has listed five main infrastructure objectives: 1) guarantee the right of housing to everyone; 2) improve the coordination in the public sector; 3) strengthen the collaboration with the social and private sector; 4) ensure transparency and accountability in the sector; and 5) recover the rectory of the state over the territory.<sup>1060</sup>

On 17 December 2019, the Government of Mexico announced, in coordination with state administrations, the building of 2,000 homes in the area where farmers in the Sowing Life program live in the first four months of 2020.<sup>1061</sup> The aim of Sowing Life is to increase social housing for rural communities so that people feel part of a community, as well to encourage the development of fixed jobs that allow individuals to develop an identity and connection to where they live.<sup>1062</sup>

On 1 March 2020, the Secretary of Agrarian, Territory, and Urban Development initiated MXN400 million to housing and improving public space in Tabasco. The project includes the construction of markets, plazas, cultural and sporting centres, as well as schools and parks. It aims to provide a more sociable environment for the residents of the region.<sup>1063</sup>

Mexico has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by acting in four of the six principles outlined, such as encouraging sustainable growth and development, integrating social considerations into projects, integrating environmental considerations in infrastructure investment and strengthening infrastructure governance.

Thus, Mexico receives a score of +1.

*Analyst: Isabel Davis*

### **Russia: 0**

Russia has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 15 August 2019, Resolution No. 1815 was drafted in regard to implementing the federal information infrastructure project. The new project is designed to provide all citizens with universal

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<sup>1059</sup> Firman convenio Sedatu y Gobernación para impulsar el desarrollo urbano sostenible y ciudades ordenadas y sustentables, Secretary of Agrarian, Territorial, and Urban Development (Mexico City) 31 October 2019. Access Date: 2 February 2020. <https://www.gob.mx/sedatu/prensa/firman-convenio-sedatu-y-gobernacion-para-impulsar-el-desarrollo-urbano-sostenible-y-ciudades-ordenadas-y-sustentables?idiom=es>.

<sup>1060</sup> SEDATU presenta Programa Nacional de Vivienda, Inmobiliare (Mexico City) 27 November 2019. Access Date: 2 February 2020. <https://inmobiliare.com/sedatu-presenta-programa-nacional-de-vivienda/>.

<sup>1061</sup> SEDATU presenta Programa Nacional de Vivienda, Inmobiliare (Mexico City) 27 November 2019. Access Date: 2 February 2020. <https://inmobiliare.com/sedatu-presenta-programa-nacional-de-vivienda/>.

<sup>1062</sup> Ampliarán Sedatu y Bienestar Programa de Construcción de Vivienda Social para campesinos de Sembrando Vida, Secretary of Agrarian, Territory, and Urban Development (Mexico City) 17 December 2019. Access Date: 2 February 2020. <https://www.gob.mx/sedatu/prensa/ampliaran-sedatu-y-bienestar-programa-de-construccion-de-vivienda-social-para-campesinos-de-sembrando-vida?idiom=es>.

<sup>1063</sup> Invertirá Sedatu mil millones de pesos en mejoras de vivienda y espacio público para Tabasco, Ministry of Agrarian, Territory, and Urban (Mexico City) 1 March 2020. Access Date: 2 February 2020. <https://www.gob.mx/sedatu/galerias/invertira-sedatu-mil-millones-de-pesos-en-mejoras-de-vivienda-y-espacio-publico-para-tabasco>.

communication access that is of high quality and affordable. Internet and mobile connection access points will be installed within settlements with populations from 100 to 500 people.<sup>1064</sup>

On 28 August 2019, Resolution No. 1911-r stated a concept for transferring state authority information systems and local governments into a single state cloud platform. This is meant to increase the efficiency of the information technology systems and communication infrastructure.<sup>1065</sup>

On 19 December 2019, the Presidium approved the “Digital Transport and Logistics” project in the Ministry of Transport. It involves transforming existing industries: air, water, rail, road transport into one that is integrated with open data and digital platforms. The goal is to increase economic efficiency and growth, competitiveness, the quality of life of citizens.<sup>1066</sup>

Russia has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with two of the principles outlined: encouraging sustainable growth and development and integrating social considerations.

Thus, Russia has received a score of 0.

*Analyst: Alice Wang*

### **Saudi Arabia: +1**

Saudi Arabia has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 20 October 2019, Chief Executive John Pagano of the Red Sea Development project commented on the importance of reaching key ecological targets for Saudi Arabia’s tourism megaproject. The project involves 28,000 square kilometres of lagoons, canyons, and archipelagos off the west coast of Saudi Arabia. The region is home to the world’s fourth largest coral reef, and Pagano stressed the importance of balancing tourism development and ecological conservation.<sup>1067</sup>

On 12 November 2019, the Royal Commission for Riyadh City held a forum to introduce the Riyadh Four Grand Projects. These projects include the construction of King Salman Park, Sports Boulevard, Green Riyadh, Riyadh Art. These projects have the focus of hosting many environmental, cultural, recreational activities, contributing to the well-being of residents.<sup>1068</sup>

On 22 January 2020, Abdullah Al Swaha, Minister of Communications and Information Technology, affirms Saudi Arabia’s commitment to improving the status of women and youth through its Vision

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<sup>1064</sup> The government introduced to the State Duma a bill on optimizing the system of universal communications services, Russian Government (Moscow) 16 August 2019. Access Date: 31 January 2020. <http://government.ru/activities/selection/301/37679/>.

<sup>1065</sup> The concept of creating a state unified cloud platform was approved, Russian Government (Moscow) 6 September 2019. Access Date: 31 January 2020. <http://government.ru/docs/37804/>.

<sup>1066</sup> Maxim Akimov held a meeting of the Presidium of the Government Commission on Digital Development, Russian Government (Moscow) 19 December 2019. Access Date: 29 January 2020. <http://government.ru/news/38653/>.

<sup>1067</sup> Saudi tourism megaproject aims to turn the Red Sea green, Arab News (Riyadh) 20 October 2019. Access Date: 31 January 2020. <https://www.arabnews.com/node/1571436/saudi-arabia>.

<sup>1068</sup> RCRC organizes an international forum to discuss the impact of the “Riyadh Four Grand Projects” on the city’s quality of life, Royal Commission for Riyadh City (Riyadh) 12 November 2019. Access Date 31 January 2020. [http://www.ada.gov.sa/ADA\\_E/News\\_En/index.htm?id=007872](http://www.ada.gov.sa/ADA_E/News_En/index.htm?id=007872).

2030 projects.<sup>1069</sup> Started in 2016, Vision 2030 has been at the forefront of Saudi Arabia's development focus to create opportunities for all. With various programs targeting different aspects of Saudi Arabian society, it has committed to developing cultural activities, transforming its healthcare system, improving the urban landscape, enhancing traffic safety, reducing pollution, and providing environmental protection and sustainable development of resources.<sup>1070</sup>

On 17 March 2020, the Acting Minister of Municipal and Rural Affairs, Dr. Majid Al-Qasabi launched a plant for sorting and recycling construction waste. The plant will be built in Al-Ahsa, and spread on an area of 100,000 square meters, with an estimated capacity of 3,000 tons per day. It will sort waste from buildings under construction, infrastructure projects and road projects, and work on reusing the waste, eliminating the random disposal of construction waste. The move is also in line with Vision 2030 to boost service development in the municipal sector.<sup>1071</sup>

On 19 March 2020, CEO of the NEOM project Nadhmi al-Nasr announced the beginning of construction for the project in the Tabuk region. The project will have more than 1 million people working and residing in the area. It will include towns, ports, research centers, sports and entertainment venues and will serve as a pillar of Vision 2030.<sup>1072</sup>

Saudi Arabia has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with four of the principles outlined through sustainable economic growth, considerations of the environment, inclusion of minority populations, and building resilience against natural disasters.

Thus, Saudi Arabia has received a score of +1.

*Analyst: Alice Wang*

### **South Africa: +1**

South Africa has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions that in line with two of the principles.

On 12 July 2019, the Department of Water and Sanitation announced that ZAR18 million would be allocated to the JS Moroka Local Municipality to address water shortages in the region. The funding will be used to refurbish existing boreholes and drill new ones to increase the supply of water and counter the regional drought.<sup>1073</sup>

On 4 November 2019, President Cyril Ramaphosa established the Investment and Infrastructure Office, and appointed two new Special Envoys on Investment. The office will operate under the

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<sup>1069</sup> Saudi Arabia vows to 'leave no one behind' with Vision 2030 reforms, Arabian Business (Davos) 22 January 2020. Access Date: 31 January 2020. <https://www.arabianbusiness.com/politics-economics/438316-saudi-arabia-vow-to-leave-no-one-behind-with-vision-2030-reforms>.

<sup>1070</sup> National Transformation Program, Vision 2030 Kingdom of Saudi Arabia (Riyadh) 22 January 2020. Access Date: 31 January 2020. <https://vision2030.gov.sa/en/programs/NTP>.

<sup>1071</sup> Al-Ahsa curbs construction waste with 3,000-ton project, Saudi Gazette (Al-Ahsa) 26 February 2020. Access Date: 19 March 2020. <http://www.saudigazette.com.sa/article/589775/SAUDI-ARABIA/Al-Ahsa-curbs-constructionwaste-with-3000-ton-project>.

<sup>1072</sup> Saudi Arabia embraces a different future with NEOM, The Arab Weekly (London) 23 February 2020. Access Date: 19 March 2020. <https://theArabweekly.com/saudi-arabia-embraces-different-future-neom>.

<sup>1073</sup> R18m allocated for Mpumalanga water shortages, infrastructurenews (Sandton) 12 July 2019. Access Date: 29 March 2020. <https://infrastructurenews.co.za/2019/07/12/r18m-allocated-for-mpumalanga-water-shortages/>.

Office of the Presidency and will lead the national investment plan and handle allocation of the Infrastructure Fund.<sup>1074</sup>

On 6 November 2019, President Cyril Ramaphosa announced the creation of a dedicated investment and infrastructure office in his Presidency. This office “would be responsible for developing the country’s strategy, refining infrastructure for investment mobilisation and establishing an intelligence capability.”<sup>1075</sup>

On 9 December 2019, Human Settlements, Water and Sanitation Minister Lindiwe Sisulu released the national water and sanitation master plan, a plan that aims to ensure water security for all South Africans through government assistance in infrastructure maintenance and funding. In the plan, 100 key steps are laid out for short-term and long-term solutions to stabilizing South Africa’s water supply.<sup>1076</sup>

On 3 January 2020, Minister Sisulu announced the allocation of ZAR18 million towards an upgrade plan for the Albany Coast Sea Water Reverse Osmosis Plant. The technology upgrade is set to increase the production of the water treatment plant by approximately 60 per cent, making it more efficient.<sup>1077</sup>

On 24 January 2020, Minister Sisulu announced the allocation of ZAR220 million towards addressing the water crisis in the QwaQwa region. The funds will go towards immediate relief in the form of 5000 Jojo Tanks to equip households lacking water tanks, as well as towards refurbishing and drilling new boreholes to increase the water supply to the region.<sup>1078</sup>

On 11 February 2020, President Ramaphosa made a speech to the members of the African Union, stating that South Africa will play an “active role” in promoting the Presidential Infrastructure Championing Initiative. The initiative seeks to promote and fund various infrastructure projects across the African continent, striving for “an integrated, prosperous and peaceful Africa.”<sup>1079</sup>

On 13 February 2020, President Cyril Ramaphosa announced the plans for a new smart city in Gauteng that will “be smart and 5G-ready [and] will be a leading benchmark for green infrastructure continental and internationally.”<sup>1080</sup>

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<sup>1074</sup> President strengthens Investment Envoys team and establishes Investment and Infrastructure Office, Office of the Presidency (Pretoria) 4 November 2019. Access Date: 29 March 2020. <http://www.thepresidency.gov.za/press-statements/president-strengthens-investment-envoys-team-and-establishes-investment-and>.

<sup>1075</sup> Investment and infrastructure office to boost SA economy, *infrastructurenews* (Gauteng) 6 November 2019. Access Date: February 21, 2020. <https://infrastructurenews.co.za/2019/11/06/investment-and-infrastructure-office-to-boost-sa-economy/>.

<sup>1076</sup> Water and sanitation master plan is a ‘call to action’, *infrastructurenews* (Sandton) 9 December 2019. Access Date: 29 March 2020. <https://infrastructurenews.co.za/2019/12/09/water-and-sanitation-master-plan-is-a-call-to-action/>.

<sup>1077</sup> R18 million spent on upgrading a sea water reverse osmosis plant, *infrastructurenews* (Sandton) 3 January 2020. Access Date: 29 March 2020. <https://infrastructurenews.co.za/2020/01/03/r18-million-spent-on-upgrading-a-sea-water-reverse-osmosis-plant/>.

<sup>1078</sup> Sisulu intervenes in QwaQwa water crisis, *infrastructurenews* (Sandton) 24 January 2020. Access Date: 30 March 2020. <https://infrastructurenews.co.za/2020/01/24/sisulu-intervenes-in-qwaqwa-water-crisis/>.

<sup>1079</sup> Infrastructure to pave the way for Africa’s development, *infrastructurenews* (Sandton) 11 February 2020. Access Date: 30 March 2020. <https://infrastructurenews.co.za/2020/02/11/infrastructure-to-pave-the-way-for-africas-development/>.

<sup>1080</sup> Ramaphosa has a plan for a new ‘smart city’ in Gauteng, *BusinessTech* (Cape Town) 14 February 2020. Access Date: 21 February 2020. <https://businesstech.co.za/news/technology/374270/ramaphosa-has-a-plan-for-a-new-smart-city-in-gauteng/>.

On 17 February 2020, Minister Sisulu announced an allocation of ZAR143 million to address water shortages and drought in the Sekhukhune District Municipality. The funds will go towards immediate relief in the form of water tanks, as well as long-term relief in the form of refurbishing and drilling new boreholes to increase water supply to the district.<sup>1081</sup>

South Africa has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions that are in line with five of the six principles: maximizing the positive impact of infrastructure to achieve sustainable growth and development, integrating environmental considerations in infrastructure investments, building resilience against natural disasters and other risks, improving infrastructure governance and integrating social considerations in infrastructure investment.

Thus, South Africa receives a score of +1.

*Analysts: Ramsba Naveed and Ian Stansbury*

### **Turkey: 0**

Turkey has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 3 October 2019, Turkey's New Economic Program outlined various projects that would support the tourism industry. The program entails transportation infrastructure upgrades, increasing passenger capacity for Antalya Airport, and constructing a new cruise port in Yenikapi. This program hopes to diversify tourism markets and attract more tourists to Turkey in order to achieve economic growth.<sup>1082</sup>

On 14 October 2019, Transportation and Infrastructure Minister Cahit Turhan announced that the Ankara-Sivas high speed railway construction is on schedule and will be ready before June 2020. Turhan stressed the importance of high-speed train service in reducing travel time across the country, noting that construction is underway on the Ankara-İzmir, Bursa-Osmaneli, Mersin-Gaziantep, and Karaman-Yenice lines. The Ankara-Svias line will serve as an important connector to Asian countries on the Silk Road route, cutting travel time from 12 hours to two, and thereby foster economic growth.<sup>1083</sup>

On 7 January 2020, a spokesman for Istanbul's mayor Ekrem Imamoglu revealed that the municipality was no longer involved in Istanbul Canal. President Erdoğan defended the project by citing its potential for job creation and boost Turkey's economy. However, this project has faced backlash from the general public and Istanbul's mayor, citing concerns over environmental damage.<sup>1084</sup>

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<sup>1081</sup> Sisulu pledges R143 million for water supply at Sekhukhune District Municipality, infrastructurenews (Sandton) 17 February 2020. Access Date: 30 March 2020. <https://infrastructurenews.co.za/2020/02/17/sisulu-pledges-r143-million-for-water-supply-at-sekhukhune-district-municipality/>.

<sup>1082</sup> Infrastructure expansion to reinforce tourism industry, Daily Sabah (Istanbul) 3 October 2019. Access Date: 31 January 2020. <https://www.dailysabah.com/tourism/2019/10/03/infrastructure-expansion-to-reinforce-tourism-industry>.

<sup>1083</sup> Ankara-Sivas high-speed train to be ready before June 2020, Daily Sabah (Istanbul) 14 October 2019. Access Date: 31 January 2020. <https://www.dailysabah.com/business/2019/10/13/ankara-sivas-high-speed-train-to-be-ready-before-june-2020>.

<sup>1084</sup> Istanbul's mayor doesn't want Arabs to invest in Canal Istanbul project, Middle East Eye (London) 7 January 2020. Access Date: 31 January 2020. <https://www.middleeasteye.net/news/istanbul-mayor-doesnt-want-arabs-invest-canal-istanbul-project>.

On 18 January 2020, President Erdoğan announced that the first phase of the Galataport project. He spoke briefly about the project, saying that it will be a place where cruise ships dock and an important center for tourism. Its main aim is to attract tourists and expand the tourism industry, thereby foster economic growth.<sup>1085</sup>

On 28 February 2020, the Information and Communication Technologies Authority announced the creation of a National Mobile Warning System (UYARSIS) to inform citizens before, during, and after natural disasters and other emergencies. UYARSIS will also employ visual and voice messages to warn and inform elderly and disabled citizens.<sup>1086</sup>

On 19 March 2020, Transport and Infrastructure Minister Cahit Turhan announced the beginning of railways projects to connect Eskişehir to Antalya via Kütahya and Afyonkarahisar. It is part of the plan to increase Turkey's export target of USD1 trillion by 2053 and will foster economic growth.<sup>1087</sup>

Turkey has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with three of the principles: maximizing the positive impact of infrastructure to achieve sustainable growth and development, integrating environmental considerations in infrastructure investments and building resilience against natural disasters and other risks.

Thus, Turkey has received a score of 0.

*Analyst: Alice Wang*

### **United Kingdom: 0**

The United Kingdom has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 10 September 2019, the British government announced they are going to invest approximately USD650 million in green technology. The money will go towards developments in charging infrastructures for electric vehicles and utilities to improve air and water pollution and increase sustainability.<sup>1088</sup>

On 26 September 2019, Scottish Parliament has committed USD170 million in the coming year to support the establishment of the Scottish National Investment Bank with a focus on green investment at its core.<sup>1089</sup>

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<sup>1085</sup> President Erdoğan said and announced the project that will amaze the world! Coming into service at the end of the year, Aksam (Istanbul) 18 January 2020. Access Date: 31 January 2020. <https://www.aksam.com.tr/siyaset/baskan-erdogan-dunyayi-hayran-birakacak-proje-dedi-ve-duyurdu-yil-sonu-hizmete-giriyor/haber-1038462>.

<sup>1086</sup> Turkey to roll out national disaster warning system, Daily Sabah (Istanbul) 28 February 2020. Access Date: 19 March 2020. <https://www.dailysabah.com/turkey/turkey-to-roll-out-national-disaster-warning-system/news>.

<sup>1087</sup> Minister Turhan announced the Eskişehir-Antalya high speed line, Aksam (Istanbul) 30 January 2020. Access Date: 19 March 2020. <https://www.aksam.com.tr/guncel/bakan-turhandan-eskisehirantalya-hizli-demiryolu-hatti-aciklamasi/haber-1040982>.

<sup>1088</sup> Over £500m new investment in green technologies for a cleaner and healthier future, Infrastructure and Project Authority (London) 10 September 2019. Access Date: 27 January 2020. <https://www.gov.uk/government/news/over-500m-new-investment-in-green-technologies-for-a-cleaner-and-healthier-future>.

<sup>1089</sup> Green economy ambition, Scottish Government (Glasgow) 26 September 2019. Access Date: 27 January 2020. <https://www.gov.scot/news/green-economy-ambition/>.

On 4 October 2019, The National Infrastructure Commission received the Institution of Civil Engineers' Chris Binnie Award for Sustainable Water Management for improving the resilience of England's water supply to drought.<sup>1090</sup>

The United Kingdom has partially complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration by taking actions in line with two of the principles: integrating environmental considerations and building resilience against natural disasters and other risks.

Thus, United Kingdom has received a score of 0.

*Analyst: Abby Lessard*

**United States: +1**

The United States has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration.

On 9 August 2019, Transportation Secretary Elaine Chao announced funding worth over USD109 million towards “234 states and 2 tribal nations as part of the 911 Grant Program, which will help 911 call center upgrade to Next Generation 911 capabilities.” The goal of this project is to boost public safety and provide a more resilient emergency system.<sup>1091</sup>

On 15 August 2019, Secretary of Energy Rick Perry announced funding worth of approximately USD40 million towards 29 projects to advance the H2@Scale Concept. The focus of the projects will be on “affordable and reliable large-scale hydrogen generation, transport, storage, and utilization in the United States across multiple sectors.” Further, the goal of these projects is to help to unite domestic energy sources, improve the affordability of hydrogen storage and create an additional revenue stream.<sup>1092</sup>

On 28 August 2019, Transportation Secretary Elaine Chao announced funding worth USD225 million for “20 projects in 18 states to fund a variety of bridge improvements, including replacement and rehabilitation” as part of the Competitive Highway Bridge Program (CHBP). The goals of these projects are to support bridge improvements across the U.S., especially in rural areas, and to provide an example of innovative time and cost savings for future repairs.<sup>1093</sup>

On 18 September 2019, Secretary Chao announced federal funding worth approximately USD60 million towards testing the “safe integration of automated driving systems (ADS) on...roadways.” The funding will go towards eight projects across seven different states, which “aim to gather

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<sup>1090</sup> Commission vision for drought resilience recognised by engineering experts, National Infrastructure Commission (London) 7 October 2019. Access Date: 27 January 2020. <https://www.nic.org.uk/news/commission-vision-for-drought-resilience-recognised-by-engineering-experts/>.

<sup>1091</sup> Department of Commerce and Transportation Announced \$109 million in Grants to Modernize 911 Services for States and Tribal Nations 09/08/2019, U.S. Department of Transportation (Washington D.C.) 9 August 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/departments-commerce-and-transportation-announce-109-million-grants-modernize-911>.

<sup>1092</sup> Department of Energy Announces \$40 Million in Funding for 29 Projects to Advance H2@Scale Concept 15/08/2019, U.S. Department of Energy (Washington D.C.) 15 August 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/department-energy-announces-40-million-funding-29-projects-advance-h2scale>.

<sup>1093</sup> U.S. Transportation Secretary Elaine L. Chao Announces \$225 Million in Grants 28/08/2019, U.S. Department of Transportation (Washington D.C.) 28 August 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-transportation-secretary-elaine-l-chao-announces-225-million-grants>.

significant safety data to inform rulemaking and foster collaboration amongst state and local government and private partners.”<sup>1094</sup>

On 20 September 2019, U.S. Department of Energy (DOE) announced funding worth USD56.5 million to 32 winners towards advanced coal technologies and research. The aim of the funding includes the development of “carbon capture, utilization, and storage,” and the improvement of clean coal technologies to support coal as an environmentally responsible energy source.<sup>1095</sup>

On 20 September 2019, Secretary Chao announced the formation of the Air Carrier Access Act Advisory Committee and the appointment of 19 members in pursuant of the FAA Reauthorization Act of 2018. The aim of the committee is to identify disability barriers encountered by air travelers and to recommend actions and improvements to ensure inclusivity and assistance to those who need it.<sup>1096</sup>

On 23 September 2019, Secretary Chao announced funding worth USD986 million towards 354 airports across 44 states and Puerto Rico and Micronesia, as part of the “fifth allotment of the total USD3.18 billion in Federal Aviation Administration (FAA) Airport Improvement Program (AIP).” These projects will aim to improve airport infrastructure across the United States, supporting economic competitiveness and improving quality of life.<sup>1097</sup>

On 26 September 2019, the DOE announced funding worth approximately USD4.6 million through its Office of Fossil Energy to go to four projects to “accelerate the development and commercialization of treatment technologies that reduce wastewater...and increase water supplies for reuse.” The aim of these projects is to “transform the energy sector’s produced water from a waste to a resource.”<sup>1098</sup>

On 8 October 2019, Secretary Elaine Chao announced the Rural Opportunities to Use Transportation for Economic Success (ROUTES) Initiative to “ensure nationwide outcomes for rural communities’ transportation infrastructure.” The goal of the initiative will be to assist “rural stakeholders in understanding how to access [Department of Transportation] grants and financing

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<sup>1094</sup> U.S. Secretary of Transportation Announces Automated Driving System Demonstration Grant Winners 18/09/2019, U.S. Department of Transportation (Washington D.C.) 18 September 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-secretary-transportation-announces-automated-driving-system-demonstration-grant>.

<sup>1095</sup> U.S. Department of Energy Invests \$56 Million in Coal Technology Projects 20/09/2019, U.S. Department of Energy (Washington D.C.) 20 September 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/us-department-energy-invests-56-million-coal-technology-projects>.

<sup>1096</sup> U.S. Department of Transportation Announces Formation and Membership of the Air Carrier Access Act Advisory Committee 20/09/2019, U.S. Department of Transportation (Washington D.C.) 20 September 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-department-transportation-announces-formation-and-membership-air-carrier-access-act>.

<sup>1097</sup> U.S. Transportation Secretary Elaine L. Chao Announces Nearly One Billion Dollars in Infrastructure Grants to 354 Airports in 44 States 23/09/2019, U.S. Department of Transportation (Washington D.C.) 23 September 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-transportation-secretary-elaine-l-chao-announces-nearly-one-billion-dollars>.

<sup>1098</sup> Department of Energy Invests \$4.6M in Produced Water Treatment 26/09/2019, U.S. Department of Transportation (Washington D.C.) 26 September 2019. Access Date: 29 January 2020. <https://www.energy.gov/fe/articles/department-energy-invests-46m-produced-water-treatment>.

products and developing data-driven approaches to better assess needs and benefits of rural transportation projects.”<sup>1099</sup>

On 16 October 2019, Deputy Under Secretary for Rural Development Donald LaVoy announced funding worth USD201 million through the U.S. Department of Agriculture Waste and Waste Disposal Loan and Grant program “to improve rural water infrastructure in 31 states.” The aim of the funding is to enhance “drinking water, stormwater drainage and waste disposal systems in rural communities with 10,000 or fewer residences” and is expected to benefit 300,000 residents.<sup>1100</sup>

On 22 October 2019, the DOE announced funding worth USD28 million distributed to 13 projects to “advance wind energy nationwide.” The aim of these projects is to reduce costs and increase consumer options for wind across the United States.<sup>1101</sup>

On 29 October 2019, Secretary Chao announced funding worth nearly USD50 million to be used towards providing access to transportation “for people with disabilities, older adults, and individuals of low income.” The purpose of the project is to identify ways to provide more efficient, affordable and accessible transportation to underserved communities.<sup>1102</sup>

On 31 October 2019, the DOE announced funding worth USD24.9 million “to advance the marine and hydrokinetics industry and increase hydropower’s ability to serve as a flexible grid resource.” The goal of these projects is to “strengthen U.S. manufacturing competitiveness” and improve the capability of sustainable technologies.<sup>1103</sup>

On 6 November 2019, the DOE announced funding worth USD128 million through the Office of Energy Efficiency and Renewable Energy’s Solar Energy Technology’s Office, towards 75 new projects that will advance solar technologies. The aim of the funding is to “lower electricity costs...boost solar manufacturing...and make solar systems more resilient to cyberattacks.”<sup>1104</sup>

On 12 November 2019, Secretary Chao announced funding worth USD900 million towards surface transportation infrastructure across 55 projects in 35 states, as part of the Better Utilizing Investments to Leverage Development (BUILD) Transportation Discretionary Grants program. The

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<sup>1099</sup> U.S. Secretary of Transportation Elaine Chao Announces Major New Initiative to Support Rural Transportation Needs 08/10/2019, U.S. Department of Transportation (St. Louis) 8 October 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-secretary-transportation-elaine-l-chao-announces-major-new-initiative-support-rural>.

<sup>1100</sup> USDA Invests in Water and Wastewater Infrastructure Improvements in 31 States 16/10/2019, U.S. Department of Agriculture (Washington D.C.) 16 October 2019. Access Date: 29 January 2020. <https://www.usda.gov/media/press-releases/2019/10/16/usda-invests-water-and-wastewater-infrastructure-improvements-31>.

<sup>1101</sup> DOE Awards \$28 Million for Wind Energy Research, Development, and Demonstration Projects 22/10/2019, U.S. Department of Energy (Washington D.C.) 22 October 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/doe-awards-28-million-wind-energy-research-development-and-demonstration-projects>.

<sup>1102</sup> U.S. Transportation Secretary Elaine L. Chao Announces Nearly \$50 Million to Improve Access and Mobility for All Americans 29/10/2019, U.S. Department of Transportation (Washington D.C.) 29 October 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-transportation-secretary-elaine-l-chao-announces-nearly-50-million-improve-access>.

<sup>1103</sup> DOE Announces \$24.9 Million Funding Selections to Advance Hydropower and Water Technologies 31/10/2019, Department of Energy (Washington D.C.) 31 October 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/doe-announces-249-million-funding-selections-advance-hydropower-and-water-technologies>.

<sup>1104</sup> Department of Energy Announces \$128 Million in New Projects to Advance Solar Technologies 06/11/2019, Department of Energy (Washington D.C.) 6 November 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/department-energy-announces-128-million-new-projects-advance-solar-technologies>.

goal of the funding is to have a significant impact on their local or regional communities, especially those that are rural, towards which BUILD has allocated 50 per cent of the grants.<sup>1105</sup>

On 13 November 2019, the DOE announced funding worth up to USD15 million through the DOE's Office of Indian Energy Policy and Programs "to deploy energy infrastructure on tribal lands." The goal of this funding is to provide more reliable electricity and "[promote] American energy independence by increasing domestic and international accessibility to American energy resources."<sup>1106</sup>

On 14 November 2019, the DOE's Advanced Research Projects Agency-Energy announced funding worth up to USD43 million to "develop carbon capture and storage...technologies." The funding will support the FLEXible Carbon Capture and Storage program with the aim to "develop technologies that address difficulties in the decarbonization of electricity systems" and to create more sustainable energy systems.<sup>1107</sup>

On 12 December 2019, Secretary Chao announced a loan worth up to USD502.9 million towards the Hampton Roads Transportation Accountability Commission (HRTAC) In Virginia "to help finance several of HRTAC's Regional Priority Projects." The aim of the loan is to promote economic growth while improving mobility, capacity and safety in the area for both residents and travelers.<sup>1108</sup>

On 12 December 2019, Secretary Chao launched a pilot program called the Railroad Rehabilitation and Investment Financing Express, expected to provide up to USD26 million worth in additional funding as well as to expedite "long-term, low-cost loans for America's short line and regional freight railroads." The aim of the program is to "modernize ageing freight rail infrastructure."<sup>1109</sup>

On 17 December 2019, the DOE's Advanced Research Projects Agency-Energy announced funding worth up to USD55 million "for two programs to support the development of low-cost electric aviation engine technology and powertrain systems." The aim of these programs is to support ultra-light and efficient electric motors and drives to achieve net-zero carbon emissions, as well as to develop a system to convert chemical energy to electric power for airplanes.<sup>1110</sup>

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<sup>1105</sup> U.S. Secretary of Transportation Elaine L. Chao Announces \$900 Million Historic Investment in American Infrastructure 12/11/2019, U.S. Department of Transportation (Washington D.C.) 12 November 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-secretary-transportation-elaine-l-chao-announces-900-million-historic-investment>.

<sup>1106</sup> DOE Announces \$15 Million to Deploy Energy Infrastructure on Tribal Lands 13/11/2019, U.S. Department of Energy (Washington D.C.) 13 November 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/doe-announces-15-million-deploy-energy-infrastructure-tribal-lands>.

<sup>1107</sup> Department of Energy Announces \$43 Million to Develop Carbon Capture and Storage Technology 14/11/2019, U.S. Department of Energy (Washington D.C.) 14 November 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/department-energy-announces-43-million-develop-carbon-capture-and-storage-technology>.

<sup>1108</sup> U.S. Department of Transportation Announces Up to \$502.9 Million Loan for Infrastructure Projects in Hampton Roads, VA 12/12/2019, U.S. Department of Transportation (Washington D.C.) 12 December 2019. Access Date: 29 January 2020. <https://www.transportation.gov/DOT7919>.

<sup>1109</sup> U.S. Secretary of Transportation Elaine L. Chao Launches New Program to Modernize Rural Freight Rail 12/12/2019, U.S. Department of Transportation (Washington D.C.) 12 December 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-secretary-transportation-elaine-l-chao-launches-new-program-modernize-rural-freight>.

<sup>1110</sup> Department of Energy Announces \$55 Million in Funding for Electric Aviation Programs 17/12/2020, Department of Energy (Washington D.C.) 17 December 2019. Access Date: 29 January 2020. <https://www.energy.gov/articles/department-energy-announces-55-million-funding-electric-aviation-programs>.

On 18 December 2019, Secretary Chao announced up to USD501.5 million worth of loans through the Transportation Infrastructure Finance and Innovation Act (TIFA) to complete the 540 Project in North Carolina. The project will increase capacity by adding new tolled lanes, several intersections, bridges and crossings to enhance economic growth and mobility while reducing congestion.<sup>1111</sup>

On 3 January 2020, the DOE announced funding worth almost USD25 million to be distributed through the DOE's Office of Fossil Energy to 16 projects, which aim "to advance natural gas infrastructure development." The goal of these projects is to improve the safety, reliability and efficiency of natural gas infrastructures in a cost-effective way.<sup>1112</sup>

On 15 January 2020, Secretary Chao announced over USD900 million worth of infrastructure investments available in 2020 for significant infrastructure projects across America as part of the Infrastructure for Rebuilding America (INFRA) grant program. The aim of the funding will be to "help rebuild America's ageing infrastructure" with "the incorporation of innovative technology" and a focus on rural areas.<sup>1113</sup>

The United States has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure Investment as its common strategic direction and high aspiration with actions in line with five of the outlined principles: raising economic efficiency, encouraging sustainable growth and development, integrating social considerations, integrating environmental considerations, and building resilience against natural disasters and other risks.

Thus, the United States has received a score of +1.

*Analyst: Georgia Gibbings*

### **European Union: +1**

The European Union has fully complied with its commitment to endorse the G20 Principles for Quality Infrastructure.

On 4 July 2020, the European Investment Bank lent EUR125 million for infrastructure in Friuli Venezia Giulia. The allocation will be used to fund various infrastructure projects in the region such as: energy efficiency upgrading of school buildings, social infrastructure, co-generation and energy efficiency projects, renewable energy generation and improvements in the utilization of water resources. The aim of the loan is to stimulate the growth and social attractiveness of the region as well as the promotion of sustainable development in the region.<sup>1114</sup>

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<sup>1111</sup> U.S. Department of Transportation Announces Up to \$501.5 Million Loan for the complete 540 Project in Raleigh, NC 12/18/2019, U.S. Department of Transportation (Washington D.C.) 18 December 2019. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-department-transportation-announces-5015-million-loan-complete-540-project-raleigh>.

<sup>1112</sup> DOE Awards \$25 Million to Improve Natural Gas Operations 03/01/2020, U.S. Department of Energy (Washington D.C.) 3 January 2020. Access Date: 29 January 2020. <https://www.energy.gov/articles/doe-awards-25-million-improve-natural-gas-operations>.

<sup>1113</sup> U.S. Transportation Secretary Elaine L. Chao Announces Availability of More Than \$900 Million for Infrastructure Investments Across America 15/01/2020, U.S. Department of Transportation (Washington D.C.) 15 January 2020. Access Date: 29 January 2020. <https://www.transportation.gov/briefing-room/us-transportation-secretary-elaine-l-chao-announces-availability-more-900-million>.

<sup>1114</sup> Italy: EIB grants EUR 125m for infrastructure in Friuli Venezia Giulia, European Investment Bank (Brussels) 4 July 2020. Access Date: 20 March 2020. <https://www.eib.org/en/press/all/2019-167-eib-grants-eur-125m-for-infrastructure-in-friuli-venezia-giulia>.

On 26 July 2019, the European Commission approved support for six offshore wind farms in France. The European Commission believes that these wind farms will generate aid for France in boosting its share of electricity produced by renewable resources.<sup>1115</sup>

On 31 July 2019, the European Commission approved EUR300 million of public support to deploy high-speed networks in Greece. These new broadband networks aim to benefit businesses and consumers with limited internet access in Greece gain more connectivity to participate in the modern digital economy while expanding Europe's e-infrastructure.<sup>1116</sup>

On 1 August 2019, the European Investment Bank initiated EUR385 million to windfarms in Spain. The aim of this project is to continue the EU's commitment to investing in renewable energy to advance climate change mitigation.<sup>1117</sup>

On 1 August 2019, the European Commission chose to reinvest unspent funds from the NER300 programme to support low-carbon innovative projects, the funds amassed to a support of EUR73 million. The selected infrastructure projects include: the deployment of a near-shore Oscillating Wave Surge Converter to convert wave energy into electric power, an offshore wind farm, and a Greenway electric vehicle charging network in Slovakia.<sup>1118</sup>

On 1 October 2019, the European Investment bank signed a EUR115 million loan in support of acquiring new electric buses and installing necessary infrastructure in Rotterdam. The objective is to switch over to clean transportation infrastructure while benefiting citizens through a more modern system and cleaner air quality.<sup>1119</sup>

On 3 October 2019, the European Investment Bank released EUR400 million to the construction of two metro lines and a fleet of metro cars in Bhopal. This project aims to improve the business climate of Bhopal through low-carbon and climate resilient infrastructure. The two main objectives are: 1) tackle climate change mitigation by shifting from cars to trains; and 2) improve the social and economic infrastructure while contributing to urban development.<sup>1120</sup>

On 11 October 2019, the European Investment Bank lent EUR12.5 million to Viesuju Investiciju Pletros Agentura to finance energy-efficient modernization projects in Lithuania. The project will focus on climate change while also generating cohesion benefits through various investment projects. Some projects include, but are not limited to, installing solar panels on family homes and an energy

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<sup>1115</sup> State aid: Commission approves support for six offshore wind farms in France, The European Commission (Brussels) 26 July 2020. Access Date: 20 March 2020. [https://ec.europa.eu/commission/presscorner/detail/en/IP\\_19\\_4749](https://ec.europa.eu/commission/presscorner/detail/en/IP_19_4749).

<sup>1116</sup> State aid: Commission approves €300 million public support for the development of ultrafast broadband network in Greece, European Commission (Brussels) 31 July 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_4909](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_4909).

<sup>1117</sup> Climate action: EIB to finance construction of 21 wind farms in Spain, The European Commission (Brussels) 1 August 2019. Access Date: 20 March 2020. [https://ec.europa.eu/commission/presscorner/detail/en/IP\\_19\\_4949](https://ec.europa.eu/commission/presscorner/detail/en/IP_19_4949).

<sup>1118</sup> NER300 funds to support innovative projects in wave energy, offshore wind and charging infrastructure for electric vehicles, The European Commission (Brussels) 1 August 2019. Access Date: 20 March 2020. [https://ec.europa.eu/clima/news/ner300-funds-support-innovative-projects-wave-energy-offshore-wind-and-charging-infrastructure\\_en](https://ec.europa.eu/clima/news/ner300-funds-support-innovative-projects-wave-energy-offshore-wind-and-charging-infrastructure_en).

<sup>1119</sup> Juncker Plan and Connecting Europe Facility provide financing for electric buses in Rotterdam, European Commission (Brussels) 1 October 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_5952](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_5952).

<sup>1120</sup> Bhopal Metro Rail Project, European Investment Bank (Brussels) 3 October 2019. Access Date: 2 February 2020. <https://www.eib.org/en/projects/pipelines/all/20170403>.

efficient investment industrial companies with the benefit of lowering carbon dioxide levels as well as energy bills for consumers.<sup>1121</sup>

On 15 November 2019, the European Commission approved EUR2.6 billion of public support to deploy high-speed networks in Ireland. These new broadband networks aim to benefit businesses and consumers with limited internet access in Ireland gain more connectivity to participate in the modern digital economy and expand Europe's e-infrastructure.<sup>1122</sup>

On 29 November 2019, the European Commission approved a German scheme for the integration of broadband networks in Bavaria. These new broadband networks aim to benefit businesses and consumers with limited internet access in Bavaria gain more connectivity to participate in the modern digital economy while expanding Europe's e-infrastructure.<sup>1123</sup>

On 5 December 2019, the European Union initiated EUR297 million in strengthening local communities in Jordan and Lebanon. The funding includes support for physical infrastructure developments such as improving public water and wastewater services and establishing a solid waste management system.<sup>1124</sup>

On 10 December 2019, the European Commission approved EUR400 million of public support to deploy high-speed networks in Spain. These new broadband networks aim to benefit businesses and consumers with limited internet access in Spain gain more connectivity to participate in the modern digital economy.<sup>1125</sup>

On 10 December 2019, the European Investment Bank initiated EUR26 million for the Solar Storm 200 project in Spain. The project will support a conversion to renewable energy through the building of photovoltaic plants while providing 400 jobs in the implementation phase.<sup>1126</sup>

On 18 December 2019, the European Union initiated EUR30 million for the project "Africa Connect." The project aims to provide high-capacity internet access for research and education networks across Africa. This investment into the e-infrastructure of Africa has the objective of further supporting the development of skills while improving the employability of young people.<sup>1127</sup>

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<sup>1121</sup> EU support for first energy efficiency investment platform in Lithuania, European Commission (Brussels) 11 October 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6066](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6066).

<sup>1122</sup> State aid: Commission approves €2.6 billion public support for the Irish National Broadband Plan, European Commission (Brussels) 15 November 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6291](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6291).

<sup>1123</sup> State aid: Commission approves German scheme for very high capacity broadband networks in Bavaria, European Commission (Brussels) 29 November 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6630](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6630).

<sup>1124</sup> The EU adopted €297 million in concrete actions for refugees and local communities in Jordan and Lebanon, European Commission (Brussels) 5 December 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6659](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6659).

<sup>1125</sup> State aid: Commission approves €400 million of public support for very high-speed networks in Spain, European Commission (Brussels) 10 December 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6719](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6719).

<sup>1126</sup> COP25: Support for renewable energy: EIB and IM2 Energía Solar join forces to create platform for building and operating photovoltaic power plants in Spain, European Commission (Brussels) 10 December 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6718](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6718).

<sup>1127</sup> Africa-Europe Alliance: EU boosts pan-African Internet connectivity with €30 million, European Commission (Brussels) 18 December 2019. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_19\\_6789](https://ec.europa.eu/commission/presscorner/detail/en/ip_19_6789).

On 20 December 2019, the European Investment Bank provided a EUR39 million loan to develop the Port of Trieste. The project will promote increased accessibility to the manufacturing and industrial areas of north-east Italy and various other central European destinations. The implementation of the work is aimed to create over 400 jobs while ensuring strong environmental credentials.<sup>1128</sup>

On 9 January 2020, the European Commissions initiated EUR27.5 million to Grupo Ruiz to add more modern and less polluting buses to its fleet. The agreement will improve public transport quality in Madrid, Majorca, Badajoz, Toledo, Salamanca and Murcia while cutting the amount of polluting emissions.<sup>1129</sup>

On 31 January 2020, the European Investment Bank invested EUR200 million for the construction of two new lines of a city metro rail in Pune, India. The aim of the new rail is to encourage accessibility around the city while reducing pollution and greenhouse gas emissions to improve the overall air quality.<sup>1130</sup>

On 6 March 2020, the EU supported EUR34 million to fund three innovative projects for clean transport in Germany and Italy which is to a total of EUR370 million. The projects include: the development of electric charging infrastructure in Italy, electrifying Hamburg's urban public transport fleet, purchasing 155 e-buses to substitute old diesel buses in Hamburg and building charging infrastructure.<sup>1131</sup>

On 9 March 2020, the European Investment Bank lent EUR240 million to Gasunie for the construction of a nitrogen facility in Zuidbroek, near Groningen. Due to the earthquakes caused by the extraction of natural gas from the Groningen gas field, the Dutch government has sought to resolve these complications through investing in a nitrogen facility infrastructure project.<sup>1132</sup>

On 10 March 2020, the European Investment Bank lent EUR60 million for a wind farm project in Poland. The aim of the project is to decarbonize the energy sector in Poland and improve the energy mix.<sup>1133</sup>

On 13 March 2020, the European Commission released EUR980 million in funding for clean energy infrastructure. There will be a call for proposals made available until 27 May 2020. Successful proposals must have a project that aims to have a significant impact on at least two EU countries

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<sup>1128</sup> Italy: EU provides EUR 45m to develop Port of Trieste, European Investment Bank (Brussels) 20 December 2019. Access Date: 2 February 2020. <https://www.eib.org/en/press/all/2019-377-eu-provides-eur-45m-to-develop-port-of-trieste>.

<sup>1129</sup> Climate action: EIB provides financing to Grupo Ruiz to renew its fleet with more modern and less polluting buses, European Commission (Brussels) 9 January 2020. Access Date: 2 February 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_20\\_14](https://ec.europa.eu/commission/presscorner/detail/en/ip_20_14).

<sup>1130</sup> India: Safer, eco-friendlier and faster commuting in Pune as the EIB supports the city metro rail with EUR 600 million, European Investment Bank (Brussels) 31 January 2020. Access Date: 20 March 2020. <https://www.eib.org/en/press/all/2020-033-safer-eco-friendlier-and-faster-commuting-in-pune-as-the-eib-supports-the-city-metro-rail-with-eur-600-million>.

<sup>1131</sup> Innovative projects in transport sector to benefit from NER 300 funds, The European Commission (Brussels) 6 March 2020. Access Date: 20 March 2020. [https://ec.europa.eu/clima/news/innovative-projects-transport-sector-benefit-ner-300-funds\\_en](https://ec.europa.eu/clima/news/innovative-projects-transport-sector-benefit-ner-300-funds_en).

<sup>1132</sup> Netherlands: EIB supports energy security, The European Commission (Brussels) 9 March 2020. Access Date: 20 March 2020. <https://www.eib.org/en/press/all/2020-083-eib-supports-energy-security-in-the-netherlands>.

<sup>1133</sup> Ignitis Group borrows €60m from EIB for its first wind farm project in Poland, The European Commission (Brussels) 10 March 2020. Access Date: 20 March 2020. [https://ec.europa.eu/commission/presscorner/detail/en/IP\\_20\\_430](https://ec.europa.eu/commission/presscorner/detail/en/IP_20_430).

while increasing competitiveness and enhancing the EU's ability to participate in sustainable development.<sup>1134</sup>

On 17 March 2020, the European Commission approved an investment package worth more than EUR1.4 billion of EU funds in 14 large infrastructure projects in seven Member States. Improving Croatia's electric rail network, increasing energy security and renewable energy sources in Croatia, increasing flood safety and improving sustainable water management in Hungary, and reducing traffic and pollution through transport services in Poland are just some of the infrastructure projects cited.<sup>1135</sup>

The European Union has fully complied with its commitment by acting in four of the six commitment areas, such as encouraging sustainable growth and development, integrating social considerations, integrating environmental considerations into infrastructure projects, and building resilience against natural disasters and other risks.

Thus, the European Union has received a received a score of +1.

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<sup>1134</sup> Energy Union: €980 million in EU funding available for clean energy infrastructure, The European Commission (Brussels) 13 March 2020. Access Date: 20 March 2020. [https://ec.europa.eu/info/news/energy-union-eu980-million-eu-funding-available-clean-energy-infrastructure-2020-mar-13\\_en](https://ec.europa.eu/info/news/energy-union-eu980-million-eu-funding-available-clean-energy-infrastructure-2020-mar-13_en).

<sup>1135</sup> EU Cohesion Policy invests over €1.4 billion in green projects in 7 Member States, The European Commission (Brussels) 17 March 2020. Access Date: 20 March 2020. [https://ec.europa.eu/commission/presscorner/detail/en/ip\\_20\\_462](https://ec.europa.eu/commission/presscorner/detail/en/ip_20_462).