



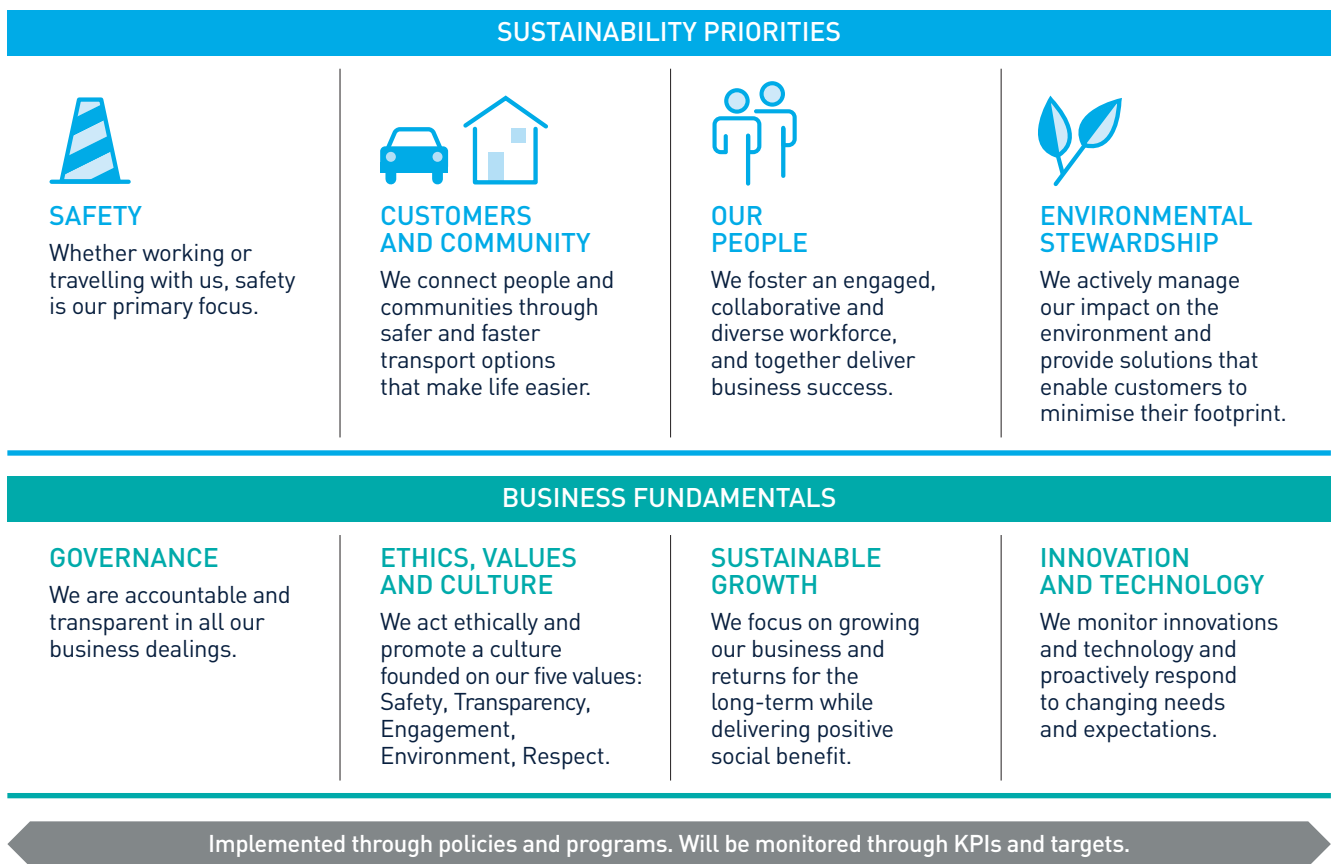
atlas**Arteria**

SUSTAINABILITY
REPORT
2020

SUSTAINABILITY

AT ATLAS ARTERIA, WE ARE COMMITTED TO PLAYING A POSITIVE ROLE IN SOCIETY AND CREATING LONG-TERM VALUE FOR OUR STAKEHOLDERS. FROM INVESTORS AND CUSTOMERS, TO EMPLOYEES AND COMMUNITIES, WE TAKE OUR RESPONSIBILITIES SERIOUSLY, EMBEDDING SUSTAINABLE BUSINESS PRACTICES AS CORE TO OUR GROWTH.

Our Sustainability Framework



Atlas Arteria ranked **4th** out of 156 peers in the Sustainalytics ESG ratings



GHG emission reporting expanded across the portfolio and head office



0 lost time injuries at Dulles Greenway and Warnow Tunnel. 46% reduction at APRR: 2.7 in 2020 compared to 5.0 in 2019



APRR ranked **2nd** in the Europe motorway sector in the GRESB ESG benchmark

Over



80% customer satisfaction at APRR, AREA and Warnow Tunnel (81% for APRR and AREA and 82.8% at Warnow)



50% gender balance across Board, senior management and the broader corporate team



Our approach to sustainability

The sustainability agenda continues to evolve rapidly. This past year has brought the social element of ‘environment, social, governance’ (ESG) to the fore. Health, safety, flexibility, inclusion and community have been brought sharply into focus through the COVID-19 pandemic, Black Lives Matter movement and bushfires. Stakeholder expectations continue to grow for businesses to make a positive difference and deliver real value to society.

As a global infrastructure owner, operator and developer, we manage our business for the long-term. We seek to create lasting value for our stakeholders and sustainable returns for our investors.

Our Sustainability Framework helps guide our actions and focus our attention. Developed in 2019, it is based on the outcomes of a materiality assessment that identified those topics that matter the most to the business and its stakeholders (see Materiality section).

Our strategy and approach is informed by our four priority areas: safety; customers and community; our people; and environmental stewardship. These present the greatest ESG opportunities and risks to the business, and the topics of greatest importance to our stakeholders. Focusing on these elements help us to secure a growing and resilient business.

These four priorities are underpinned by a set of four business fundamentals that enable us to fulfil our future growth potential. These are good governance; an ethical culture; an emphasis on sustainable growth and keeping abreast of technology and other innovations.

The spotlight on some of our existing material topics has intensified this year. Ensuring health and safety – for our people, customers, and communities – has been an ongoing focus; while attention on diversity, inclusion and climate change continues. We are pleased to be able to report strong progress in these areas. We continue to look for opportunities to improve, as we move forward.

Materiality

We undertook a materiality assessment in late 2019 to identify those topics that matter most to the business and its stakeholders. The process was carried out by an independent external advisor. Internal and external stakeholders were engaged through a series of surveys, interviews and roundtables, including investors, business partners, suppliers and employees.

Atlas Arteria Board members and the senior leadership team reviewed insights gained and identified those areas imperative to sustainable business success. Our material issues are reflected in the ‘sustainability priorities’ and ‘business fundamentals’ of our Sustainability Framework.

We continue to monitor issues and reflect on changes throughout the year to capture and address topics that may be rising up the agenda.

Sustainability governance

Sustainability at Atlas Arteria is overseen by our Boards. Our Sustainability Framework identifies those elements that drive value for the business and its stakeholders. We are developing a set of KPIs to underpin the framework and help focus our actions. Performance is regularly monitored by the senior leadership team.

Each of our portfolio businesses is responsible for adopting and maintaining its own environmental and social risk management framework appropriate to the country in which it operates.

Our ability to control or influence the ongoing management of these issues differs for each business.

At APRR (including ADELAC), Atlas Arteria has a non-controlling interest and accordingly we appoint Board representatives to promote and support the implementation of good practices to the extent that they are able to under the co-ownership arrangements.

For Dulles Greenway and Warnow Tunnel, where Atlas Arteria holds a 100% economic interest, we work with the Boards and management of the businesses to ensure that policies and procedures are in line with our standards and expectations.

The ESG performance of each business is reported to the Atlas Arteria Boards at least every six months. Major safety, environmental and social incidents are reportable as soon as possible after occurrence, and are notified to the Boards within 24 hours.

New investments

Atlas Arteria aims to invest in businesses that regard environmental and social issues as a high priority, or in businesses where there is a capability to create a strong environmental and social focus.

Accordingly, all potential investments are screened for environmental and social risks, including safety and climate change, before presentation to the Atlas Arteria Boards for consideration.

Sustainability policies

We have a suite of corporate policies that sets out our expectations for responsible business. Our ESG risks are managed through our risk management framework, with supporting policies covering: anti-bribery & corruption, risk management, workplace health & safety, environmental & social responsibility, diversity & inclusion and employee conduct. This year we introduced our Supplier Code of Conduct, formalising our expectations of suppliers.

These policies are available on the Atlas Arteria website at <https://www.atlasarteria.com/sustainability/framework-policies-stakeholders?scroll=policy>

Both the corporate team and management at our wholly-owned businesses have been trained on the policies and copies are available to all staff.

Stakeholder engagement

We are open and transparent about how we do business. Clear dialogue with our stakeholders is important to building strong relationships, maintaining trust and enhancing our business performance for the long-term.

Our key stakeholders include our securityholders, portfolio company employees, customers, governments and regulators, co-investors, suppliers and the wider communities in which we operate.

2020 has reinforced the need to be responsive and agile. We have worked to keep ourselves informed, proactively engage with our stakeholders and understand and address changing concerns, expectations and demand.

SUSTAINABILITY



SAFETY

Safety across our businesses is our top priority. We focus on a safety-first culture while having the right equipment and the right training to do the job. We seek to ensure that all people who work for us and use our roads return home safely.

Key achievements and delivery of the 2020 priorities

- Improved safety metrics across the businesses
- Implemented standardised safety reporting rules, including near-miss reporting, across Dulles Greenway and Warnow Tunnel
- Held a Safety Week in June 2020 at APRR
- Completion of a customer study at Warnow Tunnel to address dangerous driving behaviours
- Completed trials of the connected safety boot at APRR, due for staged roll out from 2021
- Implementation of operational software, Asset Vision, at Dulles Greenway

Number of lost time injuries

	2017	2018	2019	2020
Head office	NA	NA	0	0
APRR	29	26	25 ¹	13
Warnow	0	0	1	0
Dulles Greenway	0 ²	0	0	0

Lost time injury frequency rate

	2017	2018	2019	2020
Head office	NA	NA	0	0
APRR	5.7	5.2	5.0 ¹	2.7
Warnow	0	0	14.9	0
Dulles Greenway	0 ¹	0	0	0

Safety of our people

With the onset of COVID-19, new ways of doing business have been introduced to maintain the health and safety of our employees and customers.

Across our networks, we have accelerated the move to contactless payment options, revised customer support offerings, modified work processes for employees, and provided gloves, masks and face shields for cashiers. Business preparedness and continuity plans have been revised and working from home arrangements were implemented where possible. This is on top of the day-to-day safety initiatives that have continued across our businesses.

We pursue a safety culture, where every person thinks safety-first. This is true from the top down, with 'safety moments' integrated into Board agendas to reinforce safety knowledge and awareness.

APRR has introduced '15-minute safety sessions' encouraging employees to make individual commitments to risk prevention. Managers are specifically trained to facilitate these. APRR also ran a Safety Week in June 2020, led by key staff (see case study). Near-miss reporting continues at Dulles Greenway. Warnow Tunnel will begin reporting near-misses from January 2021. Safety reporting is now standardised at our fully controlled entities.

Opportunities to share learnings are also pursued, both internally and with contractors. Dulles Greenway holds combined safety meetings with contractors throughout the year to review performance and identify risks and mitigating activities. Actions identified for 2021 include exploring opportunities to modernise equipment and reorganise the winter operations centre to improve safety.

Motorway employees undertake regular safety training, incorporating both operational elements (e.g. working safely outdoors, and preventing slips, trips and falls) and online safety (e.g. on cyber threats and best practices).

APRR operates a safety training centre in Bourg-en-Bresse, raising awareness around risks of the motorway work environment. The training is enhanced through virtual reality and computer-based learning. SafeStart training, initiated in 2016 for operational employees, was due to be rolled out to all employees by 2020. This was delayed due to COVID-19, and the training will recommence in 2021, when safe to do so.

Road user safety

We work hard to ensure the safety of our roads. Motorway maintenance is a key factor in this. We focus on ensuring that our customers experience comfort and safe driving conditions on their journeys. On APRR and AREA alone, around €100 million per year is devoted to maintaining pavement and engineering structures, while quarterly external Asset Risk Management reviews are undertaken at Warnow.

In 2020, Dulles Greenway implemented software to support its maintenance and operations activities (see case study). Capital works on the Greenway also seek to offer better driving conditions, with a reconfigured ramp at the west end of the road and additional lane at the east. The Greenway's safety record continues to improve. Between 2014-2019, it experienced less than 8% of the injury rate occurring on other Virginia and Loudoun County roads.³

¹ Restatement of 2019 number of lost time injuries and LTIFR for APRR is required due to a reclassification of injuries by Social Security as work place related incidents. The 2019 lost time injuries have therefore been restated from 23 to 25, and the 2019 LTIFR from 4.6 to 5.0.

² An employee received treatment for a back injury in 2018 that was thought to have been related to a December 2017 work incident (that did not result in serious injury at the time). The injury and incident have since been found to be unrelated. This has led to the restatement of the 2017 LTIFR from 11.3 to 0.

³ On average there were 6.5 accidents with injuries per 100 million vehicle miles travelled (VMT) on the Greenway between 2014 and 2019. Loudoun County roads experienced 84.1 injuries per 100 million VMT over the same period, with Virginia experiencing 95.7. The 2020 accident rate for Dulles Greenway was 3.9 accidents with injuries per 100 million VMT, compared with 4.4 in 2019.

To address dangerous driving at the toll plaza, Warnow Tunnel has undertaken a customer behaviour study to identify and address underlying causes. Findings indicate adjustments to signage and payment options may provide improvements. In 2021 we will establish an implementation plan for improvements, and work with the local authorities for approvals, where necessary.

We also aim to improve road user safety and awareness. For example, APRR's updated customer website (<https://voyage.aprr.fr>) regularly seeks to raise customer awareness around safety issues, e.g. on the risks of poorly maintained tires and the best times to change them for summer/winter use.

Case study

ASSET VISION AT DULLES GREENWAY

In September 2020, Dulles Greenway implemented Asset Vision software for operational excellence. This provides a platform for comprehensive reporting on assets under management, from inspections and maintenance to construction work. Amongst other things, it enables clear documentation of any safety issues identified and informs all users on current activities and issues on the Greenway.

Assets under management include pavement, bridges, buildings, road restraint systems, signs, gantries, culverts, drainage and vegetation areas.



Case study

APRR SAFETY WEEK

APRR's Safety Week was held in June 2020. Focused on prevention, it included four dynamic workshops, with a filmed introduction by the CEO. The workshops consisted of exercises focused on matters such as mental agility and effective decision making.



Priorities for 2021

- Continue to embed a safety-first culture amongst our people and across our businesses.
- Implement recommendations of the Warnow customer behaviour study to improve customer behaviour at the toll plaza.
- Continue SafeStart training for all employees at APRR.
- At the Dulles Greenway, explore a better layout for winter operations to better manage safety during the loading of salt, and a larger enclosed maintenance environment.

SUSTAINABILITY



CUSTOMERS AND COMMUNITY

Connecting customers and communities is what we do. Improved safety, reduced travel times, enhanced comfort and mobility at a reasonable cost are core offerings of our businesses. We want to be recognised as a valuable addition to communities, wherever we operate.

Connecting communities

During 2020, the ability for our communities to connect during COVID-19 has at times been severely reduced.

During widespread lockdowns, the importance of our road networks shifted: from connecting people with work, family, friends and holidays, to connecting communities by ensuring continued commerce and accessibility to delivered-to-door products and services.

Through these turbulent times we have sought to support our communities and customers in meaningful ways. We provided free travel for healthcare workers on Dulles Greenway and

Key achievements and delivery of the 2020 priorities

- Opening of France's first reserved carpool lane on the A48 near Grenoble
- Free travel for healthcare providers along the APRR and Dulles Greenway motorways
- Donation of masks to the community by APRR
- Dulles Greenway celebrates its 25-year anniversary
- Completion of the east and west end works to improve ease of travel at the Dulles Greenway
- Development of new digital services at APRR to keep customers better informed of payment, travel and value options

APRR, donated face masks in France, and kept customers informed on changing restrictions through our social media and advertising avenues.

APRR has also ensured that truck drivers have appropriate services available in these restricted times. This includes maintaining access to showers, implementing food trucks and opening selected catering rooms to enable drivers to enjoy a rest and hot meal, in addition to take-away provisions.

Underlying these actions, we continue to make improvements to support our fundamental aims: to provide access to jobs, businesses and workplaces, family and friends and other travel needs, and to make travel easy.

Case study

IMPROVING DIGITAL SERVICES

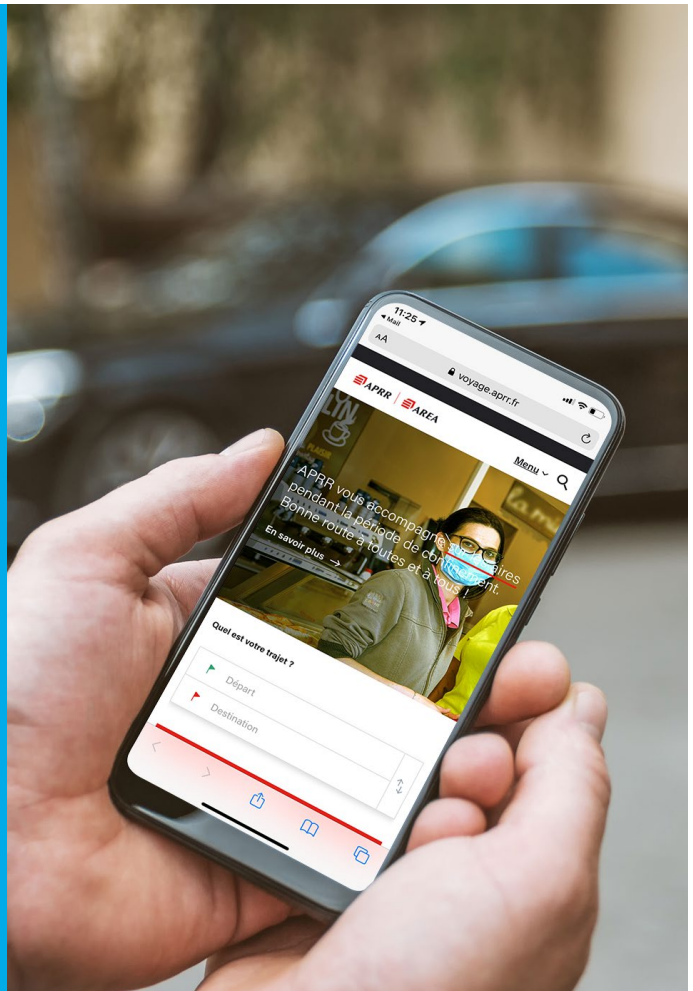
Over the last year, APRR and AREA have worked to offer improved digital services to customers, keeping them informed and providing easy access to information.

APRR's new-look customer website provides real-time information on current and forecast traffic status and roadworks to better anticipate driving conditions.

The *Mango mobilités* app enables customers to easily manage their account, access benefits, track consumption and contact customer service. The associated Amazon Alexa voice application provides quick access to service area information (restaurants, fuel stations, electric charging stations, shops, hotels, etc.) on the go.

Additional tests of new services are also being undertaken. For example, AREA is testing a carpooling app to enable carpoolers to see, in real time, the availability and locations of car parks at the La Grive carpooling area on the A43.

The A48/A43 section between Lyon and Grenoble is also host to testing intelligent transport systems. This enables communication between vehicles, and between vehicles and road infrastructure. The systems will provide equipped vehicles with real-time information, e.g. on traffic conditions, broken down vehicles, construction sites, accidents, ongoing salting and snow removal as well as weather conditions.



Making travel easy

An enduring priority for our roads is to pursue opportunities that respond to/anticipate customer demand and improve customers' ease of travel.

We pursue investments in infrastructure and digital transformation as two primary routes to providing a safe, reliable and efficient driving experience for our customers. Over the last year, this has included:

- Infrastructure improvement projects on the east and west ends of Dulles Greenway help alleviate peak morning and evening congestion and improve safety at merges.
- New and updated digital services and apps for APRR and AREA (see case study).
- Introduction of France's first motorway carpool lane on the A48 (see case study in Environment section).
- Continued testing of free-flow tolling on APRR, intended for use on the new A79 Route. This will remove the need for stopping or slowing at toll plazas, thereby improving safety and reducing greenhouse gas emissions.
- Improved payment facilities on Warnow, including online recharging of pre-paid cards.

Customer satisfaction

This year, customer satisfaction surveys were undertaken on both APRR (including AREA) and Warnow Tunnel.

For Warnow, the survey was the first since 2009. Approximately 1,600 responses were collated, with 82.8% of respondents either satisfied or very satisfied with Warnow Tunnel. Only 2.4% were dissatisfied. Feedback is currently being evaluated and will inform future actions for improvement.

APRR and AREA conduct annual satisfaction surveys. In 2020, 2,567 customers were engaged, with an overall satisfaction rating of 8.1 out of 10 – a rating consistent with the previous two years. Promptly addressing customer complaints is also a focus. Of the almost 20,800 complaints in 2020 (28,270 in 2019), 94.5% were dealt with within 10 days and 99.8% within one month.¹

Dulles Greenway has proactively addressed issues around unpaid tolls, improving communications and waiving initial administrative fees, where relevant. It is also working with the Virginia Department of Transport Service Centre to match licence plates against EZPass accounts, halving the number of violation letters sent because either there is no transponder in the vehicle or the system fails to register a reading.

Fair pricing and value

Our roads are essential transport routes for millions of people. They offer improved safety, efficiency and comfort for a fair price.

We want customers to proactively choose to travel with us, and we seek additional opportunities to support this. For example, APRR's Fulli service areas, launched in 2019, provide competitive prices on the motorway, particularly for fuel.

On the Dulles Greenway, toll increases will enable further capital investment, ensuring continued delivery of a safer, more efficient and well-maintained alternative travel route for drivers.

Community contributions

Healthy, thriving communities are essential to our business – as we are essential to them.

We make a direct positive economic contribution in the areas we operate, both through taxes that we pay and our voluntary community initiatives.

In France, over €1 million in healthcare worker tolls have been reimbursed as part of APRR and AREA's COVID-support offering. In addition, APRR and AREA contributed around €180,000 in

support of flood emergencies, disadvantaged children and families, and culture, sport and science. The long-standing partnership with SPA (Société Protectrice des Animaux) continued, providing financial assistance and awareness raising campaigns to directly address the issue of abandoned animals on rest areas on the motorways.

Warnow has provided a variety of COVID-19 related funding support, including to a university hospital and in aid of the artist community and a women's shelter in Rostock. Almost €177,700 of non-revenue trips were made in 2020.

In 2020, Dulles Greenway paid US\$3.6 million in property taxes, reimbursed US\$43,000 to healthcare workers, and waived approximately US\$800,000 in tolls for groups including school buses, police and firemen. In support of communities, a new Run the Greenway event is planned for May 2021. This replaces the annual Drive for Charity event and seeks to better engage communities, providing a different experience of the motorway while fundraising for local causes.

Case study

CELEBRATING 25 YEARS AT DULLES GREENWAY

2020 marked the 25th anniversary of Dulles Greenway. The 14-mile roadway first opened to traffic on September 29, 1995, connecting Loudoun County to the rest of the Washington Metropolitan Region.

The Greenway offered an innovative solution to construct essential transportation infrastructure for which public tax dollars were not available. Investors sought to stimulate economic development in Loudoun County while preserving its natural environment and beauty.

Over 25 years, the Dulles Greenway has continued to connect commuters to their jobs; the community to recreational venues; and families to each other by providing a safe, predictable and faster transportation option.



Priorities for 2021

- Continue the active stakeholder engagement program developed with the new CEO at Dulles Greenway
- Implement improved customer payment options at Warnow Tunnel
- Continued focus on innovation in our motorways, e.g. in improving digital services and testing new technologies.

¹ Approximately 90% of complaints are associated with tolls, where customer entry to the motorway has not been captured (e.g. due to loss of ticket or unread electronic toll badges). The total number of complaints is equivalent to approximately one complaint for every 15,000 transactions. As at 30 November 2020.

SUSTAINABILITY



Our people are essential to our success. Their hard work over the past year has underpinned the delivery of our strategy despite the challenges of COVID-19 and associated lockdowns. We have continued to support our people through these challenges. We are committed to building a team of diverse, passionate, driven and innovative people, inspiring and readying teams to deliver sustainable growth.

The 2020 year was a challenging one for everyone. Our people – across our corporate offices and within the portfolio businesses – have positively responded, moving us forward with perseverance and a clear focus on achieving our strategic goals. They have been dedicated in keeping each other and our customers safe, and keeping our communities connected.

Supporting health and wellbeing

Mental health and wellbeing were of paramount concern in 2020. COVID-19 resulted in additional personal and work pressures. From the outset, we proactively worked to support employees through the challenging times and changing work environments.

At a corporate level we introduced a confidential employee assistance and support service providing access to free professional counselling sessions for any staff or family members needing support. Optional wellbeing sessions were also offered. Facilitated by experts, these addressed issues identified by employees and provided practical tips for physical and mental wellbeing.

'Care' and 'Achievement' packages were delivered during lockdown periods to help boost morale. We are also exploring ways to expand on flexible working options that cater to individual differences.

Key achievements and delivery of the 2020 priorities

- 50% gender balance achieved across Boards, senior management and corporate employees. Our corporate team is split 47%/53% between male and female employees
- Unconscious bias and inclusive leadership training delivered to all corporate employees and Board members
- New Talent Acquisition framework developed, improving how we partner with recruiters to manage candidate diversity and gender balance
- Supported remote working arrangements and provided wellbeing support for employees in response to COVID-19

Addressing challenges

Having commenced as a newly independent business in 2019, in 2020 we have been building on these foundations to develop and enhance our employee offering.

Our new Director of Talent and Development has focused our People Strategy. Work has progressed to further develop our inclusive culture and identify improvement initiatives to address issues raised through our employee survey. For example, we have:

- Established more regular meetings between corporate and portfolio teams. These seek to improve communication and address challenges associated with the geographically dispersed nature of the organisation.
- Commenced leadership development sessions for managers.
- Identified coaching needs for individuals on key areas of development.
- Conducted hosted workshops focused on improving organisational efficiency and effectiveness. Recommendations will form an action plan for 2021.

We have launched a learning platform to support employee development and compliance. The initial modules ('Atlas Foundations') focus on core policies including our Code of Conduct, people-related policies and modern slavery.

Case study

COVID-19 SUPPORT AT WARNOW

Our portfolio businesses have been proactive in their response to COVID-19 and support for employees.

In Warnow Tunnel, a Crisis Team was proactively implemented, with weekly staff and crisis meetings to identify and address challenges.

In addition to the provision of safety elements (e.g. procedural changes, installation of protective walls to minimise contact, sanitiser, face masks and shields), offerings have included paid leave for precautionary absence, free flu vaccinations, home office installations and an employee communication group to rapidly disseminate information.



We will continue to build on these elements in the coming year. The platform will also support individual development planning for all employees, providing access to courses to grow technical, professional and leadership skills.

Inclusion and diversity

We recognise inclusion and diversity as key drivers of success. Getting this right promotes a positive culture and strengthens the business through the contribution of different experiences and views.

We were pleased to reach key milestones on our diversity journey during 2020. We achieved our target of a 40% gender balance at Board level, within senior management and across the organisation. With our new Board member joining the Australian Board in March 2021, our combined Australian and Bermudian Boards have a balance of 50% male and 50% female membership overall on a non-executive basis.

We expanded upon our goal to roll out unconscious bias training to all managers, delivering it to all corporate employees and Board members. The course included work on inclusive leadership development, which will be continued in 2021.

Case study

SUPPORTING EMPLOYEES AT APRR

APRR takes great pride and responsibility in maintaining an engaged and effective workforce. It has targeted programs addressing diversity, employee development and wellbeing, to name a few.

It has been recognised for its promotion of diversity and equal opportunities through the award of the Diversity Label from the Association Française de Normalisation. Over 1,100 employees have now completed online training focused on identifying and combatting prejudices and preconceptions. APRR is expecting to train almost 3,200 people by the end of 2021.

Managers have been trained to promote wellbeing at work, identify signs of distress and manage difficult situations.

APRR also has a network of mentors – supporting interns and apprentices on their development journeys, while gaining leadership and management skills themselves.

Finally, despite the challenges of COVID-19, APRR successfully delivered around 46,300 hours of training in 2020. This equates to an average of 14 hours per employee.



We have developed a talent acquisition framework that will provide a consistent approach to recruitment, removing potential bias, driving an inclusive approach and ensuring that we promote candidate diversity. As part of this, we are identifying relevant metrics to capture and report on to assess its effectiveness.

We continue to build strong foundations for the business as it grows. We regularly review and adapt our policies and procedures to support a positive and inclusive culture. Furthermore, we strive to better understand the employee experience, particularly around inclusion and diversity, and to foster a positive experience of these within the organisational culture.

Human rights and modern slavery

Respecting human rights and eliminating modern slavery is crucial to being a responsible business and to living our values.

We have undertaken a review of our exposure to human rights and modern slavery risks and are now embedding a number of processes to help identify and manage these risks in the future.

This includes embedding modern slavery and human rights considerations into: supplier risk assessment reviews and audits; supplier contractual clauses; investment due diligence; and employee compliance training. We also provide an anonymous Whistleblowing service and have introduced a Supplier Code of Conduct, that sets out our expectations as to the standards our suppliers must adopt in their own supply chains.

We are on track to voluntarily release a Modern Slavery Statement in 2021, in line with the reporting requirements set out in the Modern Slavery Act, 2018.

Priorities for 2021

- Maintain our 40% commitment to gender balance and look for opportunities to improve proportional representation across and within specific teams.
- Pursue a broader approach to candidate diversity that challenges current assumptions around fit and better explores diversity of perspective and experience.
- Invest in development for managers that includes a focus on inclusive leadership and team effectiveness.
- Promote greater inclusion for employees as part of the return to the workplace by exploring flexible approaches to work.

Corporate Team ¹	Male	Female	% Male	% Female
Board (Australian)	3	1	75%	25%
Board (Bermudian)	2	3	40%	60%
Boards (total)	5	3²	62%	38%
Executive Team	3	1	75%	25%
Senior Management	6	9	40%	60%
Other employees	8	9	47%	53%
All employees	17	19	47%	53%

1 Excluding contractors

2 Debbie Goodin sits on both the Australian and Bermudian Boards

Portfolio business ¹	APRR	Dulles Greenway	Warnow Tunnel
Male	2,017	10	11
Female	1,218	4	26
Total	3,235	14	37
% Male	62%	71%	30%
% Female	38%	29%	70%

1 Excluding contractors

SUSTAINABILITY



ENVIRONMENTAL STEWARDSHIP

Management of natural resources is a commercial and social imperative as well as an environmental one. Efficient use of resources reduces costs; enabling nature corridors supports the health of our ecosystems; and responsible management can help us to more effectively engage our people, customers and communities.

We focus on our three key impact areas: managing our greenhouse gas emissions; enabling and educating customers in minimising their impact; and protecting the natural environment.

Greenhouse gas emissions

In our 2019 Annual Report – the first under independent management – we incorporated greenhouse gas (GHG) emission reporting for our largest asset, APRR. During 2020, we have worked to expand on this, and are pleased to be able to present our GHG emissions across our entire portfolio and head office.

With this baseline established, 2021 will focus on developing targeted actions to manage and minimise emissions into the future. For Warnow Tunnel we have already started the process, shifting to a 100% renewable electricity tariff from January 2021.

We have also taken steps to minimise energy use and cost at Dulles Greenway with a move to a smaller office space that is better suited to our employee base.

APRR progressively seeks to test and introduce new initiatives for emissions reduction. We recently expanded our electric vehicle fleet from 9 to 23 vehicles, with around 30 more to join in 2021. We are phasing out our small sedan diesel fleet. The introduction of electric vans is expected by 2023, as technology further develops.

The A40 is also a site for the testing of a new asphalt product, 'Biophalt'. This uses 40% recycled aggregates and replaces petroleum-based bitumen with a plant-based binder, creating a low-carbon alternative to conventional asphalts.

GHG emissions, tonnes CO₂e¹

	Scope 1	Scope 2	Scope 3 ²	Total Gross Emissions
2017 (APRR)	6,541	1,244	2,135,936	2,143,721
2018 (APRR)	5,942	957	2,212,963	2,219,862
2019 (APRR)	6,027	773	2,230,582	2,237,382
2020 (APRR)	5,525	756	1,855,310	1,861,591
2020 (Corporate, Warnow Tunnel and Greenway)	293	887	33,361	34,542
2020 total	5,818	1,643	1,888,672	1,896,133

¹ GHG emissions are calculated based on the GHG Protocol's equity share approach. Atlas Arteria holds a 31.14% interest in APRR. In accordance with this, data represents 31.14% of APRR's calculated GHG emissions. Data for the corporate offices, Warnow Tunnel and Dulles Greenway represents 100% of the calculated GHG emissions.

² Scope 3 data presented here is limited to customer traffic emissions.

Key achievements and delivery of the 2020 priorities

- Expanded coverage of GHG emission reporting across all of Atlas Arteria
- Dedicated lane for car poolers, taxis and 'zero-emission' vehicles opened on the A48
- Investing €46.5 million by 2022 on water protection and restoration projects along APRR and AREA
- Continued implementation of 19 wildlife crossings along APRR and AREA as part of the Motorway Investment Plan

Customer emissions

Customers' use of our roads represents one of the largest sources of GHG emissions associated with our activities.

Our ability to enable customers to reduce their footprint is a priority for us, both to meet emerging customer demand and to mitigate impacts.

The nature of our roads provides benefits compared to standard roads: faster, more consistent driving speeds and reduced congestion generally equates to reduced fuel consumption and emissions.

In addition, we proactively seek opportunities to enable a reduced customer footprint. For example, the new carpooling lane on the A48 (see case study) and dedicated carpooling carparks throughout APRR's network encourage shared-use of vehicles. By the end of 2020, there were 149 electric charging points along APRR's 2,318 kilometre network, including 92 very-high speed charging points.

This year was also the first of APRR's partnership with the STEER eco-mobility program (<https://www.steer-ecomobility.fr/>). Coordinated by the Ministère de la Transition Ecologique et Solidaire, the program seeks to educate motorists on the impacts of their travel choices and behaviours. APRR held activities on rest areas of the A39, with additional locations planned for 2021.

We continue to keep abreast of new technology so that we can provide a timely response to developing needs on our networks.

Protecting the natural environment

The extensive nature of motorways means that various environments, habitats and wildlife corridors are at risk of disturbance.

Amongst our portfolio businesses, the wider-spread potential environmental impacts lie with APRR and AREA, with ongoing infrastructure development activities across the 2,318 kilometre network. As well as following the principles of 'avoid, reduce, offset', a comprehensive program of works is undertaken to address potential impacts. For example:

- Investing €46.5 million by 2022 to restore watercourses and wetlands, treat runoff and implement water protection projects.
- Constructing 19 large wildlife crossings by 2023, at an investment of €96 million. Investigations are also being undertaken into best methods for wildlife corridor construction, both to support animal populations and to ensure cost-effectiveness so that more can be built.

- Partnering with the National Forestry Organisation (ONF) to develop a vegetation management plan to address risks of erosion. This includes selection of tree species to stabilise the soils, support biodiversity and keep the roads safe.
- Employing conservation grazing, using sheep and goats to maintain green areas in 11 motorway districts. This reduces chemical use and improves employee safety.
- Managing approximately 8,800 tonnes of waste annually, 75% of which is generated by users of the network. Standardisation of waste collection units and customer awareness campaigns seek to minimise volumes and facilitate recycling.

The Dulles Greenway Wetlands Mitigation Project represents 149 acres of wetlands, established to offset those affected by the road construction. Now a haven for wildlife, Dulles Greenway is currently working in partnership with the American Eagle Foundation and Loudoun Wildlife Conservancy to install an Eagle Camera in the region to enable monitoring of nesting bald eagles.

We continue to pursue an improved salt management framework at Dulles Greenway, to minimise the impact on the surrounding environment. Due to be rolled out in 2020, challenges associated with COVID-19 have delayed implementation. Consultations with contractors have begun and procurement of winter services with improved equipment will deliver a more efficient use of salt and brine from 2021.

Case study

JUGY, THE INNOVATION LABORATORY

An 'innovation laboratory' continues at the Jugy rest area, on the A6 for APRR and AREA. It provides grounds for testing new technologies, the best of which can be rolled out across the network.

Technologies include those improving ease of travel, safety and environmental impact.

Examples include:

- Better resource management, with sensors to identify water leaks and optimise waste collections.
- Designer Cy-Clope ashtrays that collect cigarette butts for recycling into cement.
- Automatic lighting to enhance pedestrian safety.
- Real time information on available parking spaces, visible from the deceleration ramp.



Case study

A48 CARPOOLING LANE

In September 2020, AREA became the first motorway in France to offer a dedicated high-occupancy vehicle lane. Reserved for carpoolers, taxis and 'zero-emission' vehicles, the 8km lane, at the entrance to Grenoble, provides a more reliable travel time in heavy traffic. It seeks to encourage the use of carpooling amongst customers and therefore improve air quality around the city.

The project is the result of three years of work, stakeholder engagement and testing. It has required implementation of technology to count passengers in fast-moving vehicles, and a new Highway Code sign dedicated to carpool lanes in the form of a white diamond.



Climate change adaptation

We are aware of the potential impacts of climate change on our assets and integrate risk assessments into our analysis of new and existing investment opportunities.

As examples, we currently undertake modelling on Dulles Greenway to assess the potential impacts of an increase in extreme weather events on traffic flows. In France, we have observed a reduction in traffic during heatwaves and recognise that an increase in temperatures (and reduction in snowfall) may impact ski-season traffic.

APRR has partnered with Egis on research assessing the effects of climate change on infrastructure, specifically looking at associated geotechnical risks and vulnerabilities. This will inform the development of maintenance strategies for different situations.

Over the next two years we plan to review our existing work against the Task Force on Climate-related Financial Disclosures (TCFD) recommendations and determine next steps towards TCFD reporting.

Priorities for 2021

- Consider options to manage and minimise GHG emissions.
- Roll out 14 additional high and very-high power electric charging stations (excluding Fastned) along APRR and AREA, providing over 94 additional charging points.
- Pursue enhanced biodiversity, preservation of natural environments and improved water resource management over the next three years at APRR.

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