

Plains Performance Data / 2020



NASDAQ
PAA & PAGP

Disclosure Chart

Our data disclosure is intended to supply decision-useful information that helps convey our approach to sustainability. We support industry efforts to further standardize sustainability reporting so that disclosures are consistent, comparable and transparent across companies. In doing so, we have actively engaged in efforts to achieve standardization led by industry groups including American Petroleum Institute (API) and Energy Infrastructure Council (EIC).

In endeavoring to report in alignment with multiple frameworks — as well as provide data on additional metrics we believe to be relevant — in some instances our disclosure contains similar metrics that were calculated according to divergent definitions. Please refer to the definitions provided in the *EIC* and *Sustainability Accounting Standards Board* (SASB) frameworks, as well as our footnotes, to better understand these metrics. Unless otherwise indicated, data is reported on an operational basis. Data for certain metrics include estimates which are based on commonly accepted standards and/or industry best practices.

We welcome feedback on this approach and are committed to continuing to refine our reporting to meet our stakeholders' needs.

Operational & Financial	2020	2019	2018	EIC	SASB
Transportation Segment Volumes (mmb/d) ¹	6.3	6.9	5.9		
Facilities Segment Volumes (mmb/mo) ²	124	125	124		
Supply & Logistics Segment Volumes (mmb/d) ³	1.3	1.4	1.3		
Gross Throughput (B BOE)	3.76	4.20	3.75	X	
Total Metric Ton-Kilometers of Crude Oil, Highly Volatile Liquids, and Refined Petroleum Products Transported by Pipeline (T mt-km)	7.94	8.74	7.05		EM-MD-000.A
Total Metric Ton-Kilometers of Natural Gas Transported by Pipeline (B mt-km)	2.99	3.86	3.5		EM-MD-000.A
Total Metric Ton-Kilometers of Crude Oil Transported by Truck (B mt-km)	7.83	10.49	12.16		EM-MD-000.A
Total Assets (\$B)	\$24	\$29	\$26		
Adjusted EBITDA (\$mm) ⁴	\$2,560	\$3,237	\$2,684	X	
Property Taxes Paid - U.S. (\$mm) ⁵	\$133 ⁶	\$115	\$93		
Property Taxes Paid - Canada (\$mm) ⁵	\$18	\$18	\$17		
Total Miles of Pipeline (Operated and Non-operated) ⁷	18,700	18,965	18,000		
Miles of Pipeline Operated ⁸	15,164	15,434	14,870	X	
Liquids Storage Capacity (mmb) ⁹	138	148	140		
NGL Fractionation/Condensate Processing Capacity (mb/d) ¹⁰	>340	>345	>345		
Natural Gas Processing Capacity (Bcf/d) ¹⁰	6.3 ¹¹	7.3	7.4		
Natural Gas Storage Capacity (Bcf) ¹⁰	>60	>60	>60		

1. Represents average daily volumes transported on our crude oil and NGL pipelines and trucks (excludes trucking volumes associated with our supply and logistics activities). Includes volumes (attributable to our interest) from pipelines owned by unconsolidated entities, some of which are operated by third-parties.

2. Represents average monthly volumes reported for our Facilities segment, which includes liquids storage capacity, natural gas storage working capacity and volume of spec NGL products produced at our fractionation facilities. Excludes natural gas and condensate processing volumes and rail load/unload volumes.

3. Represents average daily volume of crude oil lease gathering purchases and NGL sales.

4. Earnings before interest, taxes, depreciation and amortization (including our proportionate share of depreciation and amortization of unconsolidated entities), gains and losses on asset sales and asset impairments, goodwill impairment losses and gains on and impairments of investments in unconsolidated entities, adjusted for certain selected items impacting comparability.

5. Represents property taxes paid associated with assets that we own and/or operate (including property tax payments paid associated with assets of unconsolidated entities that we operate).

6. Includes estimated taxes for certain states for which the assessments have not yet been received.

7. Miles of active pipeline owned or operated, including total mileage of pipelines of unconsolidated entities in which we own a partial interest that we operate or are operated by third parties.

8. Miles of active pipeline operated, including total mileage of pipelines of unconsolidated entities in which we own a partial interest that we operate and excluding total mileage of such entities that we do not operate.

9. Total crude oil and NGL storage capacity, including both Transportation segment and Facilities segment assets. Capacity as of the end of the year.

10. Capacity as of the end of the year.

11. Decrease resulted from a decision to remove incremental expansion capability from total capacity as well as an updated assessment of capacity at one of our processing facilities.

Disclosure Chart

Emissions	2020	2019	2018	EIC	SASB
Total GHG Emissions (Scope 1 + Scope 2) - Total (mt CO ₂ e)	1,929,000	2,219,000	2,367,000	X	
Scope 1 GHG Emissions - Total (mt CO ₂ e)	831,000	930,000	1,070,000	X	EM-MD-110a.1
Scope 1 CO ₂ Emissions - Total (mt)	809,000	912,000	919,000	X	
Scope 1 Methane Emissions - Total (mt CO ₂ e) ¹²	19,000	15,000	148,000	X	
Gross Global Scope 1 Emissions Percentage Methane ¹²	2.26%	1.58%	13.79%		EM-MD-110a.1
Gross Global Scope 1 Emissions Percentage Covered Under Emissions-limiting Regulations	66%	63%	55%		EM-MD-110a.1
Scope 1 GHG Emissions - EPA (mt CO ₂ e)	122,000	168,000	296,000	X	
Scope 1 CO ₂ Emissions - EPA (mt)	113,000	162,000	156,000	X	
Scope 1 Methane Emissions - EPA (mt CO ₂ e) ¹²	9,000	7,000	140,000	X	
Scope 2 GHG Emissions (mt CO ₂ e) ²⁰	1,098,000	1,289,000	1,297,000	X	
Total GHG Emissions (Scope 1 + Scope 2) Intensity per Billion BOE-Mile - Total (mt CO ₂ e)/B BOE-Mile)	We are evaluating the feasibility of reporting this metric in the future.			X	
Total GHG Emissions (Scope 1 + Scope 2) Intensity per \$mm Adj. EBITDA - Total (mt CO ₂ e)/\$mm)	753	686	882	X	
Scope 1 Methane Emissions Intensity per ONE Future Methodology	The ONE Future Coalition is comprised of natural gas companies. As a predominantly liquids operator, Plains is not a ONE Future member.			X	
Air Emissions of the Following Pollutants: (1) NO _x (excluding N ₂ O), (2) SO _x , (3) Volatile Organic Compounds (VOCs), and (4) Particulate Matter (PM ₁₀)	We are evaluating the feasibility of reporting these metrics in the future.			X	EM-MD-120a.1
Does the company participate in an external emissions reduction program? (e.g. ONE Future, The Environmental Partnership, Methane Challenge, EPA Natural Gas STAR)	No	No	No	X	

¹² Reported methane emissions for 2019 and 2020 are considered to be representative of normal operation of the emitting assets. Reported methane emissions for 2018 are considered to be an artifact of the sampling and estimating methodology, and not representative of normal operations.

Disclosure Chart

Environmental	2020	2019	2018	EIC	SASB
Barrels of Petroleum Liquids Transported (B bbls)	2.5	2.8	2.3		
Percentage of Barrels Safely Delivered	>99.999%	>99.999%	>99.999%		
Number of Federally Reportable Releases ¹³	17	23	31		
Number of Releases Impacting People or the Environment (IPE) ¹⁴	2	3	3		
Number of Hydrocarbon Releases	16	20	23		EM-MD-160a.4
Volume of Hydrocarbon Releases >1 bbl (BOE)	1,127	562	1,240		EM-MD-160a.4
Volume of Hydrocarbon Releases in the Arctic >1 bbl (BOE)	0	0	0		EM-MD-160a.4
Volume of Hydrocarbon Releases in Unusually Sensitive Areas (USAs) >1 bbl (BOE)	0	0	550 ¹⁵		EM-MD-160a.4
Volume of Hydrocarbon Releases Recovered >1 bbl (BOE)	982	506	869		EM-MD-160a.4
Number of Hydrocarbon Liquid Releases Beyond Secondary Containment > 5 bbl	16	14	23	X	
Volume of Hydrocarbon Liquid Releases Beyond Secondary Containment > 5 bbl (BOE)	1,127	545	1,240	X	
Hydrocarbon Liquid Releases Intensity per Mile of Pipeline (BOE/mi)	0.08	0.04	0.07	X	
Number of Reportable Pipeline Incidents	16	20	22		EM-MD-540a.1
Percentage of Reportable Pipeline Incidents Significant	19%	50%	18%		EM-MD-540a.1
Number of Accident Releases from Rail Transportation	0	0	0		EM-MD-540a.3
Number of Non-accident Releases (NARs) from Rail Transportation	0	0	0		EM-MD-540a.3
Third-party Line Strikes Resulting in a Release ¹⁶	1	0	1		
Integrity and Maintenance Expenditures (\$mm) ¹⁷	\$369 ¹⁸	\$502	\$450		
Percentage of Natural Gas Pipelines Inspected ¹⁹	18%	25%	2%		EM-MD-540a.2
Percentage of Hazardous Liquid Pipelines Inspected ¹⁹	29%	39%	34%		EM-MD-540a.2
Percentage of Energy Purchased from the Grid That Is Renewable	19% ²⁰	18%	17%		
Percentage of Energy Used (Direct and Indirect) That Is Renewable Energy	0%	0%	0%	X	
Does the Company Participate in any Efforts to Expand the Share of Alternative/Renewable Energy Sources in the Company's Portfolio? ²¹	No	No	No	X	
Percentage of Land Owned, Leased, and/or Operated Within Areas of Protected Conservation Status or Endangered Species Habitat	We are evaluating the feasibility of reporting these metrics in the future.				EM-MD-160a.2
Terrestrial Acreage Disturbed, Percentage of Impacted Area Restored	We are evaluating the feasibility of reporting these metrics in the future.				EM-MD-160a.3
Does the Company Have a Biodiversity Policy or Commitment for New and Existing Assets?	Yes	Yes	Yes	X	
Does the Company Seek Third-party Data Verification for Any Environmental Metrics? ²²	No	No	No	X	

13. Our 2021 year-over-year reduction target is 20%.

14. Calculated according to the PHMSA definition.

15. Of volumes released in a USA, 97% were recovered.

16. In 2020, the third-party line strike accounted for 51% of released volumes. In 2018, the third-party line strike accounted for 40% of released volumes.

17. Includes both expensed and capitalized costs associated with our integrity and other maintenance activities.

18. Year-over-year decrease primarily due to timing changes, divestitures completed, the completion of multi-year reliability improvement programs, application of updated regulatory guidance, and COVID-19 restrictions, among other factors.

19. Miles inspected as a percentage of total mileage of U.S. DOT-regulated pipelines and all Canadian pipelines. Excludes pipelines of unconsolidated entities and retired and abandoned pipelines. Pipeline inspection schedules vary on an annual basis, as well as changing over time in response to asset conditions.

20. Includes estimates based on 2019 fuel source data as 2020 data has not yet been published.

21. We are currently reviewing opportunities to expand alternative/renewable energy sources in our portfolio.

22. Our sustainability data is collected and verified by subject matter experts across the company. Our Financial Reporting and Internal Audit teams participate in the collection, review and validation process, which is further reviewed by senior-level management.

Disclosure Chart

Safety & Security	2020	2019	2018	EIC	SASB
Employee Total Recordable Incident Rate (TRIR) (per 200,000 work hours) ²³	0.38	0.52	0.74	X	
Contractor TRIR for Major Growth Projects (per 200,000 work hours) ²⁴	0.15	0.18	0.32	X	
Employee Lost Time Incident Rate (LTIR) (per 200,000 work hours)	0.11	0.17	0.53	X	
Contractor LTIR (per 200,000 work hours) for Major Growth Projects	0.04	0.05	0.12	X	
Employee Days Away, Restricted or Transferred (DART)	0.25	0.32	0.58	X	
Contractor DART for Major Growth Projects ²⁵	0.09	–	–	X	
Employee Fatalities	0	0	0	X	
Contractor Fatalities ²⁶	0	1	0	X	
Employee Motor Vehicle Incident Rate (per 1 million miles) ²⁷	0.81	0.94	1.40		
Emergency Preparedness Tabletop Exercises	138	153	118		
Large-scale Emergency Preparedness Exercises ²⁸	7 ³²	12	6		
Emergency Preparedness Specialty Exercises ²⁹	4 ³²	17	7		
Corporate and Regulatory Asset Security Plans ³⁰	51	57	79		
Qualified Individual Notification Drills ³¹	212	214	203		
Agencies/Response Organizations Trained on Emergency Preparedness	114 ³²	576	297		
First Responders Trained on Emergency Preparedness	442 ³²	2,123	909		
Pipeline Safety Guides Distributed to the Public ³³	212,200	365,200	154,800		
Call Before You Dig One-Call Tickets Processed	178,300 ³⁴	254,800	242,900		
Public Awareness Safety Trainings Held ³⁵	1,551	1,613	1,361		
Does the Company have an Indigenous Engagement Policy or Commitment for New and Existing Assets?	Yes	Yes	Yes	X	
Does the Company Undertake any of the Following to Manage Cybersecurity Risk?					
Mandatory Employee Training	Yes	Yes	Yes	X	
Adherence to Industry Cybersecurity Standards	Yes	Yes	Yes	X	
Ongoing Evaluation of the Threat Landscape	Yes	Yes	Yes	X	
Competitive Behavior					
Total Amount of Monetary Losses As A Result of Legal Proceedings Associated With Federal Pipeline and Storage Regulations ³⁶	\$0	\$0	\$0		EM-MD-520a.1

23. Our 2021 year-over-year reduction target is 20%.

24. Major growth projects are defined as those managed by our Engineering group.

25. Contractor DART was not tracked for 2018 and 2019.

26. No incident is acceptable to us, and our first concern in all instances is for those impacted. We remain committed to reaching our goal of zero incidents and injuries, and ensuring that everyone working on our behalf returns home safely each day.

27. Any preventable motor vehicle incident involving a company vehicle or a private vehicle being used for company business.

28. An exercise is considered large-scale when personnel and equipment are deployed and external agencies participate in the response.

29. Includes drills that take place in non-traditional conditions, such as winter weather response, swift water boating and boat operations training.

30. Decreases primarily resulted from assets divested and/or inactivated, which had site-specific plans.

31. A Qualified Individual (QI) is an employee who has been trained to manage an emergency response. Notification drills task QIs with responding to unannounced, simulated emergency scenarios.

32. 2020 reduction due to COVID-19 restrictions.

33. Guides are mailed to first responders and excavators annually, to landowners and business owners every other year, and to public officials every three years. Variations also result from divested and/or inactivated assets, and regulatory adjustments made to mailing guidelines.

34. Decrease in One-Call tickets driven by a downturn in third-party construction activities.

35. 2018 and 2019 numbers updated from previous disclosure to include Canadian data.

36. Disclosure pertains to legal proceedings associated with federal pipeline and storage rate, access and pricing regulations (anti-competitive behavior) for assets we operate.

Disclosure Chart

Employees ³⁷	2020	2019	2018	EIC	SASB
Employees Located in the United States	3,237 (29 states)	3,683 (32 states)	3,660 (34 states)		
Employees Located in Canada	1,203 (4 provinces)	1,315 (4 provinces)	1,237 (4 provinces)		
Percentage of Field Employees	68%	68%	69%		
Number of Employees Hired	244	930	620		
Voluntary Employee Turnover Rate	8%	10%	10%		
Houston Chronicle Top Workplaces Ranking Among Large Companies ³⁸	5	6	7		
Percentage of Female Employees	21%	21%	21%	X	
Percentage of Management Roles Filled by Females ³⁹	23%	19%	22%		
Percentage of Corporate Officer Roles Filled by Females ⁴⁰	12%	12%	14%	X	
Percentage of Minority Employees in the United States ⁴¹	31%	30%	28%	X	
Percentage of Corporate Officer Roles in the United States Filled by Minorities ⁴²	4%	3%	3%	X	
Percentage of Workforce Covered Under Collective Bargaining Agreements	3%	4%	3%	X	
Does the Company Require Suppliers to Sign off on the Code of Conduct or Equivalent Codes? ⁴³	No	No	No	X	
Does the Company Seek Third Party Data Verification for Any Social Metrics? ²²	No	No	No	X	
Board ⁴⁴					
Number of Board Members	11	13	12		
Number / Percentage of Independent Directors ⁴⁵	7 / 64%	7 / 54%	6 / 50%	X	
Percentage of Directors Subject to Public Election ⁴⁶	64%	54%	50%		
Directors With Risk Management Experience	Yes	Yes	Yes	X	
Number / Percentage of Female Directors	1 / 9%	1 / 8%	0	X	
Number / Percentage of Minority Directors ⁴⁷	1 / 9%	2 / 15%	2 / 17%	X	
Average Age of Independent Directors	62	67	68		
Is Any Director Under the Age of 50?	Yes	Yes	Yes	X	
Average Tenure of Independent Directors	9	12	14		
Total Number of Board Meetings Held During the Fiscal Year	9	7	4		
Average Board Meeting Attendance	100%	98%	98%		
Number of Directors Receiving Less Than 80% Votes Cast in Favor When Running Unopposed in Last 5 Years	2	2	1	X	

37. Data is representative of full-time employees only and reflects year-end numbers.

38. For the past 11 years, the Houston Chronicle has asked employees to rank top employers in the city. Plains is one of seven companies that has ranked in the top 10 each year since the survey's inception.

39. Employees at Manager, Director and above levels.

40. Employees at the Vice President, Senior Vice President and Executive levels.

41. Minority data includes all U.S. employees who identify as persons of color. Due to regulatory limitations, this data is not collected in Canada.

42. Employees at the Vice President, Senior Vice President and Executive levels.

43. A supplier Code of Conduct is currently under development.

44. Data as of May 31 of each year unless otherwise noted.

45. As of November 2019, our governing documents require that a majority of our Board satisfy the independence requirements of the exchange where our securities are listed for trading, despite the fact that, as limited partnerships, PAA and PAGP are exempt from such requirements.

46. Three-year staggered term. In 2021, 91% of Directors were subject to public election.

47. Minority data includes Directors who identify as persons of color.

Disclosure Chart

Compensation	2020	2019	2018	EIC	SASB
Percentage of Equity Owned by Directors and Executive Officers ⁴⁸	13%	16%	17%		
Have Any Executive Officers or Directors Made Share Purchases With Personal Funds In the Last 5 Years? ⁴⁹	Yes	Yes	Yes	X	
Percentage of CEO Target Compensation "At Risk" For Fiscal Year ⁵⁰	88%	88%	88% ⁵¹		
Percentage of CEO Target Compensation That Is Performance-based	59%	59%	59%	X	
Percentage of CEO Target Compensation That Is Equity-based	59%	59%	59%	X	
Average Percentage of All Named Executive Officer (NEO), Other Than CEO, Target Compensation "At Risk" For Fiscal Year ⁵²	83%	83%	82%		
Are There Any Shareholder Return Metrics In Any NEO Equity Compensation Plan?	Yes	No	No	X	
Is ≥ 10% of NEO Short-term Incentive (STI) or Long-term Incentive (LTI) Compensation Linked to Environmental or Social Metrics?	Yes	Yes	Yes	X	
Has The Company Received <70% Support for Say On Pay In Any of The Last 5 Years?	Yes	No	No	X	
Has the Company Adopted a Clawback Policy?	Yes	No	No		
Has the Company Adopted Equity Ownership Guidelines?	Yes	No	No		
CEO-to-Median Employee Compensation Ratio	39 to 1	38 to 1	79 to 1		
Does The Company Tie Any Amount of Pay For All Employees to ESG Objectives?	Yes	Yes	Yes	X	
Governance					
Unified Board of Directors ⁵³	Yes	Yes	Yes		
Annual Meetings for the Public Election of Independent Directors ⁵⁴	Yes	Yes	Yes		
Lead Independent Director	Yes	No	No		
No Incentive Distribution Rights ⁵⁵	Yes	Yes	Yes		
No "Golden Share" ⁵⁶	Yes	Yes	Yes		
Quarterly Sustainability Program Reporting to Board	Yes	No	No		
Does the Company Publish An Annual Proxy Statement?	Yes	Yes	Yes	X	
Which of These Data Sets are Collected and Shared with the Board?					
Voluntary Employee Turnover Company-wide, and by at Least One Additional Level (e.g. Business Unit, Location, or Division)	Yes	Yes	Yes	X	
Percentage of Employees Who Participate in Company-Sponsored Matching Gift Programs and/or Volunteer for Corporate-Sponsored Charitable Events	No	No	No	X	
Gender Pay Ratio	No	No	No	X	
Underlying Data From an Employee Satisfaction Survey that is Anonymous and at Least Annual	No	No	No	X	

48. As of record date for annual meeting.

49. Plains does not track employee share purchases below the executive level. Original EIC template wording requesting data on "corporate officers or directors" has been adjusted to reflect this distinction.

50. "At Risk" compensation is tied to the achievement of one or more performance metrics that measure value creation over both the near and longer term, as well as service period requirements.

51. During 2018, Mr. Armstrong served as CEO for the first nine months of the year and Mr. Chiang served as CEO for the last three months of the year. For 2018, at Mr. Armstrong's request, annual bonus and long term equity incentive targets were not established for Mr. Armstrong and he elected to forego approximately 90% of his CEO-related base salary and thus did not have any "at risk" target compensation for 2018 (although the compensation committee ultimately awarded a discretionary bonus to Mr. Armstrong in recognition of his contributions as CEO to PAA's 2018 performance). For 2018, 88% of Mr. Chiang's target compensation was considered "at risk."

52. PAA's President is a co-founder and substantial equity owner in PAA and for the last several years has requested to not participate in the long-term incentive program. As a result, he is not one of the three most highly compensated executive officers, but is included as a Named Executive Officer given the significance of his role. Given his lack of participation in the long-term incentive program, his compensation is excluded from the calculation. 2019 and 2018 data updated from previous disclosure to reflect a recalculation.

53. Plains All American Pipeline, L.P. (trading symbol: PAA) and Plains GP Holdings (trading symbol: PAGP) are managed by a single unified Board of Directors located at PAA GP Holdings LLC.

54. Three-year staggered term.

55. Incentive distribution rights give a general partner an increasing share of incremental distributable cash flow based upon certain conditions.

56. Refers to a control right granted in certain partnership agreements whereby the holder has the right to direct certain activities of the partnership, including the unilateral right to appoint and replace board members. This control provision may be held/exercised irrespective of the holder's economic interest.

SASB Index

SASB Topic	SASBI Code	Accounting Metric	Location or 2020 Data
Greenhouse Gas Emissions	EM-MD-110a.1	Gross global Scope 1 emissions, percentage methane, percentage covered under emissions-limiting regulations	Scope 1 emissions: 831,000 mt CO ₂ e Percentage methane: 2.26% Percentage covered under emissions-limiting regulations: 66%
	EM-MD-110a.2	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets and an analysis of performance against those targets	We are evaluating the feasibility of potential emission reduction targets.
Air Quality	EM-MD-120a.1	Air emissions of the following pollutants: (1) NOx (excluding N ₂ O), (2) SOx, (3) volatile organic compounds (VOCs) and (4) particulate matter (PM ₁₀)	We are evaluating the feasibility of reporting these metrics in the future.
Ecological Impacts	EM-MD-160a.1	Description of environmental management policies and practices for active operations	Sustainability Report – pages 9-19
	EM-MD-160a.2	Percentage of land owned, leased and/or operated within areas of protected conservation status or endangered species habitat	We are evaluating the feasibility of reporting these metrics in the future.
	EM-MD-160a.3	Terrestrial acreage disturbed, percentage of impacted area restored	We are evaluating the feasibility of reporting these metrics in the future.
	EM-MD-160a.4	Number and aggregate volume of hydrocarbon spills, volume in Arctic, volume in Unusually Sensitive Areas (USAs) and volume recovered	Number of spills: 16 Aggregate volume: 1,127 bbls Volume in Arctic: 0 bbls Volume in USAs: 0 bbls Volume recovered: 982 bbls
Competitive Behavior	EM-MD-520a.1	Total amount of monetary losses as a result of legal proceedings associated with federal pipeline and storage regulations	\$0
Operational Safety, Emergency Preparedness and Response	EM-MD-540a.1	Number of reportable pipeline incidents, percentage significant	Number of incidents: 16 Percentage significant: 19%
	EM-MD-540a.2	Percentage of (1) natural gas and (2) hazardous liquid pipelines inspected ¹	Natural gas: 18% Hazardous liquids: 29%
	EM-MD-540a.3	Number of (1) accident releases and (2) non-accident releases (NARs) from rail transportation	Accidental releases: 0 Non-accidental releases: 0
	EM-MD-540a.4	Discussion of management systems used to integrate a culture of safety and emergency preparedness throughout the value chain and throughout project lifecycles	Sustainability Report – page 9
Activity Metric	EM-MD-000.A	Total Metric Ton-Kilometers of: (1) Natural Gas, (2) Crude Oil, and (3) Refined Petroleum Products Transported, by Mode of Transport (mt-km)	Total Metric Ton-Kilometers of Crude Oil, Highly Volatile Liquids and Refined Petroleum Products Transported by Pipeline (T mt-km): 7.94 T mt-km Natural Gas Transported by Pipeline: 2.99 B mt-km Crude Oil Transported by Truck: 7.83 B mt-km

¹ Miles inspected as a percentage of total mileage of U.S. DOT-regulated pipelines and all Canadian pipelines. Excludes pipelines of unconsolidated entities and retired and abandoned pipelines. Pipeline inspection schedules vary on an annual basis, as well as changing over time in response to asset conditions.

GRI Index

GRI Topic	GRI Standard	GRI Standard Disclosure	Location or direct response
General Disclosures			
Organizational Profile	102-1	Name of the organization	Plains All American Pipeline, L.P.
	102-2	Activities, brands, products and services	Sustainability Report – About Plains page 2 2020 Form 10-K page 1 (Business and Properties)
	102-3	Location of headquarters	Houston, TX
	102-4	Location of operations	Sustainability Report – Asset Map page 2
	102-5	Ownership and legal form	Publicly Traded Partnership (Nasdaq PAA & PAGP)
	102-6	Markets served	Sustainability Report – About Plains page 2
	102-7	Scale of the organization	Sustainability Report – About Plains page 2 Disclosure Chart page 55 2020 Form 10-K page 1 (Business and Properties)
	102-8	Information on employees and other workers	Sustainability Report – Our Commitment to Employees pages 33-40
	102-9	Supply chain	Sustainability Report – Supply Chain Management page 46
	102-10	Significant changes to the organization and its supply chain	There were no significant changes in 2020.
	102-11	Precautionary principle or approach	We assess risks across our operations in accordance with industry guidance and have a comprehensive risk management plan in place through our Operations Management System. Plains does not formally follow the precautionary principle. 2020 Form 10-K page 41 (Risk Factors)
	102-13	Membership of associations	Sustainability Report – Trade Associations page 48
	Strategy	102-14	Statement from senior decision-maker
102-15		Key impacts, risks and opportunities	Sustainability Report 2020 Form 10-K page 41 (Risk Factors)
Ethics and Integrity	102-16	Values, principles, standards and norms of behavior	Sustainability Report – Code of Business Conduct page 54
	102-17	Mechanisms for advice and concerns about ethics	Sustainability Report – Code of Business Conduct page 54
Governance	102-18	Governance structure	Sustainability Report – Governance Framework and Structure page 50
	102-19	Delegating authority	Sustainability Report – Governance Framework and Structure page 50
	102-20	Executive-level responsibility for economic, environmental and social topics	Sustainability Report – Executive Oversight Page 10
	102-21	Consulting stakeholders on economic, environmental and social topics	Sustainability Report – About the Report page 7, Community Engagement page 42
	102-22	Composition of the highest governance body and its committees	Sustainability Report – Governance Framework and Structure pages 50–51
	102-23	Chair of the highest governance body	Sustainability Report – Governance Framework and Structure pages 50–51

GRI Index

GRI Topic	GRI Standard	GRI Standard Disclosure	Location or direct response
	102-24	Nominating and selecting the highest governance body	Sustainability Report – Board of Directors page 50
	102-25	Conflicts of interest	Sustainability Report – Code of Business Conduct page 54
	102-26	Role of highest governance body in setting purpose, values and strategy	Sustainability Report – Executive Oversight page 10, New Sustainability Board Committee page 52
	102-27	Collective knowledge of highest governance body	Sustainability Report – Board of Directors page 50
	102-28	Evaluating the highest governance body's performance	Sustainability Report – Governance Committee page 51
	102-29	Identifying and managing economic, environmental and social impacts	Sustainability Report – Our Sustainability Journey page 5, Board of Directors page 50, HSES Committee pages 51
	102-30	Effectiveness of risk management processes	Sustainability Report – Enterprise-level risk page 53, 2020 Form 10-K page 41 (Risk Factors)
	102-31	Review of economic, environment and social topics	Sustainability Report – HSES Committee pages 51-52, Risk Management page 10
	102-32	Highest governance body's role in sustainability reporting	Sustainability Report – HSES Committee pages 51-52
	102-33	Communicating critical concerns	Sustainability Report – Code of Business Conduct (third-party hotline) page 54
	102-35	Remuneration policies	Sustainability Report – Compensation Practices page 53
	102-36	Process for determining remuneration	Sustainability Report – Compensation Practices page 53
	102-38	Annual total compensation ratio	Page 55 of PAA's Proxy Statement Dated April 12, 2021
Stakeholder Engagement	102-40	List of stakeholder groups	Sustainability Report – Community Engagement page 42, Government Relations – Engagement and Initiatives page 48
	102-41	Collective bargaining agreements	Sustainability Report - Disclosure Chart page 59
	102-42	Identifying and selecting stakeholders	Sustainability Report – Community Engagement page 42
	102-43	Approach to stakeholder engagement	Sustainability Report – Community Engagement page 42, Government Relations – Engagement and Initiatives page 48
	102-44	Key topics and concerns raised	Sustainability Report – About the Report page 7

GRI Index

GRI Topic	GRI Standard	GRI Standard Disclosure	Location or direct response
Reporting Practice	102-45	Entities included in the consolidated financial statements	2020 Form 10-K page 108 (Financial Statements and Supplementary Data)
	102-46	Defining report content and topic Boundaries	Sustainability Report – About the Report page 7
	102-47	List of material topics	Sustainability Report – About the Report page 7
	102-49	Changes in reporting	We significantly expanded our sustainability reporting in 2020, publishing this report in addition to our disclosures.
	102-50	Reporting period	January to December 2020
	102-51	Date of most recent report	July 2021
	102-52	Reporting cycle	Annual updates
	102-53	Contact point for questions regarding the report	sustainability@paalp.com investorrelations@paalp.com
	102-54	Claims of reporting in accordance with the GRI Standards	This report has been prepared with reference to the GRI Standards.
	102-55	GRI content index	This document represents Plains' content index.
	102-56	External assurance	We did not seek external assurance for the data in this sustainability report.
	Management Approach	103-1	Explanation of the material topic and its Boundary
103-2		The management approach and its components	This report includes topics of relevance and/or interest in the realm of sustainability. See this report's Table of Contents for discussion of each topic.
103-3		Evaluation of the management approach	This report includes topics of relevance and/or interest in the realm of sustainability. See this report's Table of Contents for discussion of each topic.

GRI Index

GRI Topic	GRI Standard	GRI Standard Disclosure	Location or direct response
Economic Topics			
Economic Performance	201-1	Direct economic value generated and distributed	2020 Form 10-K page F-7 (Consolidated Statement of Operations)
	201-2	Financial implications and other risks and opportunities due to climate change	Sustainability Report – Risk Management page 10
	201-3	Defined benefit plan obligations and other retirement plans	Sustainability Report – Benefits, Compensation and Wellness page 36
Indirect Economic Impacts	203-1	Infrastructure investments and services supported	2020 Form 10-K page 97 (Capital Expenditures)
	203-2	Significant indirect economic impacts	Sustainability Report – Pipelines Are Critical to Quality of Life page 3, Plains Responds to COVID-19 Pandemic page 37, Community Investment page 43
Environmental Topics			
Energy	302-1	Energy consumption within the organization	Sustainability Report – Disclosure Chart page 56
	302-4	Reduction of energy consumption	Sustainability Report – Energy Management and Optimization Improves Environmental Performance page 14
Water and Effluents	303-1	Interactions with water as a shared resource	Sustainability Report – Water and Waste Management page 18
	303-2	Management of water discharge-related impacts	Sustainability Report – Water and Waste Management page 18
Biodiversity	304-2	Significant impacts of activities, products and services on biodiversity	Sustainability Report – Biodiversity and Conservation page 15
Emissions	305-1	Direct (Scope 1) GHG emissions	Sustainability Report – Disclosure Chart page 56
	305-2	Energy indirect (Scope 2) GHG emissions	Sustainability Report – Disclosure Chart page 56
	305-4	GHG emissions intensity	Sustainability Report – Disclosure Chart page 56
	305-5	Reduction of GHG emissions	Sustainability Report – Greenhouse Gas Emissions page 13, Energy Management and Optimization Improves Environmental Performance page 14, Disclosure Chart page 56

GRI Index

GRI Topic	GRI Standard	GRI Standard Disclosure	Location or direct response
Social Topics			
Employment	401-1	New employee hires and employee turnover	Sustainability Report – Disclosure Chart page 59
	401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Sustainability Report – Benefits, Compensation and Wellness page 36
Occupational Health and Safety	403-1	Occupational health and safety management system	Sustainability Report – Operations Management System page 9
	403-2	Hazard identification, risk assessment and incident investigation	Sustainability Report – Risk Management page 10, Environmental Management page 12, Health and Safety at Plains page 21, Trucking Safety page 24
	403-3	Occupational health services	Sustainability Report – Health and Safety at Plains pages 21-32
	403-4	Worker participation, consultation and communication on occupational health and safety	Sustainability Report – Accountability and Management page 10, Safety Training page 23
	403-5	Worker training on occupational health and safety	Sustainability Report – Safety Training page 23
	403-6	Promotion of worker health	Sustainability Report – Health and Safety at Plains page 21, Benefits, Compensation and Wellness page 36
	403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Sustainability Report – Contractor Safety page 23
	403-8	Workers covered by an occupational health and safety management system	Sustainability Report – Health, Safety and Environmental Policy page 9, Contractor Safety page 23, Safety Audits page 23
	403-9	Work-related injuries	Sustainability Report – Disclosure Chart page 58
	403-10	Work-related ill health	Sustainability Report – Disclosure Chart page 58
Training and Education	404-2	Programs for upgrading employee skills and transition assistance programs	Sustainability Report – Leadership and Professional Development page 36
Diversity and Equal Opportunity	405-1	Diversity of governance bodies and employees	Sustainability Report – Disclosure Chart page 59
Public Policy	415-1	Political contributions	Sustainability Report – Political Contributions page 48