

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 10-K

(Mark One)

**ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended December 31, 2005

OR

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Commission file number 1-14569

PLAINS ALL AMERICAN PIPELINE, L.P.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

76-0582150

(I.R.S. Employer
Identification No.)

333 Clay Street, Suite 1600, Houston, Texas 77002

(Address of principal executive offices) (Zip Code)

(713) 646-4100

(Registrant's telephone number, including area code)

SECURITIES REGISTERED PURSUANT TO SECTION 12(b) OF THE ACT:

Title of each class

Name of each exchange on which registered

Common Units

New York Stock Exchange

SECURITIES REGISTERED PURSUANT TO SECTION 12(g) OF THE ACT:

NONE

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes
No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes
No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendments to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large Accelerated Filer

Accelerated Filer

Non-Accelerated Filer

Indicate by check mark if the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).
Yes No

The aggregate value of the Common Units held by non-affiliates of the registrant (treating all executive officers and directors of the registrant and holders of 10% or more of the Common Units outstanding, for this purpose, as if they may be affiliates of the registrant) was approximately \$2.3 billion on June 30, 2005, based on \$43.86 per unit, the closing price of the Common Units as reported on the New York Stock Exchange on such date.

At February 17, 2006, there were outstanding 73,768,576 Common Units.

DOCUMENTS INCORPORATED BY REFERENCE

NONE

PLAINS ALL AMERICAN PIPELINE, L.P. AND SUBSIDIARIES
FORM 10-K—2005 ANNUAL REPORT

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FORWARD-LOOKING STATEMENTS

All statements included in this report, other than statements of historical fact, are forward-looking statements, including but not limited to statements identified by the words “anticipate,” “believe,” “estimate,” “expect,” “plan,” “intend” and “forecast,” and similar expressions and statements regarding our business strategy, plans and objectives of our management for future operations. However, the absence of these words does not mean that the statements are not forward-looking. These statements reflect our current views with respect to future events, based on what we believe are reasonable assumptions. Certain factors could cause actual results to differ materially from results anticipated in the forward-looking statements. These factors include, but are not limited to:

- the success of our risk management activities;
 - environmental liabilities or events that are not covered by an indemnity, insurance or existing reserves;
 - maintenance of our credit rating and ability to receive open credit from our suppliers and trade counterparties;
 - abrupt or severe declines or interruptions in outer continental shelf production located offshore California and transported on our pipeline system;
 - declines in volumes shipped on the Basin Pipeline, Capline Pipeline and our other pipelines by us and third party shippers;
 - the availability of adequate third party production volumes for transportation and marketing in the areas in which we operate;
 - demand for natural gas or various grades of crude oil and resulting changes in pricing conditions or transmission throughput requirements;
 - fluctuations in refinery capacity in areas supplied by our transmission lines;
 - the availability of, and our ability to consummate, acquisition or combination opportunities;
 - our access to capital to fund additional acquisitions and our ability to obtain debt or equity financing on satisfactory terms;
 - successful integration and future performance of acquired assets or businesses and the risks associated with operating in lines of business that are distinct and separate from our historical operations;
 - the impact of current and future laws, rulings and governmental regulations;
 - the effects of competition;
 - continued creditworthiness of, and performance by, our counterparties;
 - interruptions in service and fluctuations in rates of third party pipelines;
 - increased costs or lack of availability of insurance;
 - fluctuations in the debt and equity markets, including the price of our units at the time of vesting under our Long-Term Incentive Plans;
 - the currency exchange rate of the Canadian dollar;
 - the impact of crude oil and natural gas price fluctuations;
 - shortages or cost increases of power supplies, materials or labor;
 - weather interference with business operations or project construction;
 - general economic, market or business conditions; and
 - other factors and uncertainties inherent in the marketing, transportation, terminalling, gathering and storage of crude oil and liquefied petroleum gas.
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Other factors described elsewhere in this document, or factors that are unknown or unpredictable, could also have a material adverse effect on future results. Please read “Risks Related to Our Business” discussed in Item 1A. “Risk Factors.” Except as required by applicable securities laws, we do not intend to update these forward-looking statements and information.
