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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16 OF THE  
SECURITIES EXCHANGE ACT OF 1934**

Dated: November 20, 2017

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Commission File No. 001-36738

**NAVIOS MARITIME MIDSTREAM  
PARTNERS L.P.**

7 Avenue de Grande Bretagne, Office 11B2  
Monte Carlo, MC 98000 Monaco  
(Address of Principal Executive Offices)

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Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F       Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Yes       No

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Yes       No

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes       No

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**Information Contained in this Report on Form 6-K**

Attached hereto is a copy of the Notice of 2017 Annual Meeting of Limited Partners and Proxy Statement of Navios Maritime Midstream Partners L.P., dated November 20, 2017, for the 2017 Annual Meeting of Limited Partners to be held on Friday, December 15, 2017.



# Navios Maritime Midstream Partners L.P.

November 20, 2017

Dear Unitholder,

We cordially invite you to attend our 2017 annual meeting of unitholders to be held at 11:00 a.m., local time, on Friday, December 15, 2017 at our offices at Le Montaigne Bloc B, 7 Avenue de Grande Bretagne, Monaco. The attached notice of annual meeting and proxy statement describe the business we will conduct at the meeting and provide information about Navios Maritime Midstream Partners L.P. that you should consider when you vote.

When you have finished reading the proxy statement, please promptly vote your interests by marking, signing, dating and returning the proxy card in the enclosed envelope. We encourage you to vote by proxy so that your interests will be represented and voted at the meeting, whether or not you can attend.

Sincerely,

**Angeliki Frangou**  
**Chairman and Chief Executive Officer**



**NAVIOS MARITIME MIDSTREAM PARTNERS L.P.  
NOTICE OF 2017 ANNUAL MEETING OF LIMITED PARTNERS**

**November 20, 2017**

TIME: 11:00 a.m., local time

DATE: Friday, December 15, 2017

PLACE: Offices of Navios Maritime Midstream Partners L.P., Le Montaigne Bloc B, 7 Avenue de Grande Bretagne, Monaco

**PURPOSES:**

1. To elect two Class II directors to serve until the 2020 Annual Meeting of Limited Partners (“*Proposal One*”).
2. To ratify the appointment of Ernst & Young (Hellas) Certified Auditors-Accountants S.A. as our independent public accountants for the fiscal year ending December 31, 2017 (“*Proposal Two*”).
3. To approve an amendment to our Agreement of Limited Partnership of Navios Maritime Midstream Partners L.P. (the “*Partnership Agreement*”) to change the minimum of a majority of outstanding units of a class to 33% of outstanding units of a class (“*Proposal Three*”).
4. To consider any other business that is properly presented at the meeting or any adjournment thereof.

**WHO MAY VOTE:**

The Board of Directors has fixed the close of business on Friday, November 17, 2017 as the record date for the determination of the Limited Partners entitled to receive notice and to vote at the annual meeting or any adjournment thereof. A list of common unit holders of record will be available at the meeting and, during the 10 days prior to the meeting, at the office of the Secretary at the above address.

**IT IS IMPORTANT TO VOTE. WHETHER OR NOT YOU PLAN TO ATTEND THE ANNUAL MEETING, PLEASE COMPLETE, DATE, SIGN AND RETURN THE ENCLOSED PROXY. THE VOTE OF EVERY LIMITED PARTNER IS IMPORTANT AND YOUR COOPERATION IN RETURNING YOUR EXECUTED PROXY PROMPTLY WILL BE APPRECIATED. ANY SIGNED PROXY RETURNED AND NOT COMPLETED WILL BE VOTED IN FAVOR OF ALL THE PROPOSALS PRESENTED IN THE PROXY STATEMENT.**

If you attend the annual meeting, you may revoke your proxy and vote in person.

BY ORDER OF THE BOARD OF DIRECTORS

**Vasiliki Papaefthymiou**  
Secretary



NAVIOS MARITIME MIDSTREAM PARTNERS L.P.  
LE MONTAIGNE BLOC B  
7 AVENUE DE GRANDE BRETAGNE,  
MONACO

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PROXY STATEMENT FOR  
NAVIOS MARITIME MIDSTREAM PARTNERS L.P.

2017 ANNUAL MEETING OF LIMITED PARTNERS  
TO BE HELD ON FRIDAY, DECEMBER 15, 2017

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## GENERAL INFORMATION CONCERNING THE ANNUAL MEETING

### Why Did You Send Me this Proxy Statement?

We sent you this proxy statement and the enclosed proxy card because Navios Maritime Midstream Partners L.P.'s Board of Directors is soliciting your proxy to vote at the 2017 annual meeting of Limited Partners and any adjournments of the meeting to be held at 11:00 a.m., local time, on Friday, December 15, 2017, at our offices at Le Montaigne Bloc B, 7 Avenue de Grande Bretagne, Monaco. This proxy statement along with the accompanying Notice of Annual Meeting of Limited Partners summarizes the purposes of the meeting and the information you need to know to vote at the annual meeting.

On November 20, 2017, we began sending this proxy statement, the attached notice of annual meeting and the enclosed proxy card to all Limited Partners entitled to vote at the meeting. You can find a copy of our 2016 Annual Report on Form 20-F on the Internet through our website at [www.navios-midstream.com](http://www.navios-midstream.com) or the U.S. Securities and Exchange Commission's electronic data system called EDGAR at [www.sec.gov](http://www.sec.gov).

### Who Can Vote?

On November 17, 2017, we had outstanding 19,354,498 common units, 1,592,920 subordinated series A units and 427,499 general partner units. Each Limited Partner of record at the close of business on November 17, 2017 is entitled to vote. One or more Limited Partners holding at least a majority of the total voting rights represented in person or by proxy at the annual meeting shall be a quorum for the purposes of the annual meeting. The common units represented by any proxy in the enclosed form will be voted in accordance with the instructions given on the proxy if the proxy is properly executed and is received by us prior to the close of voting at the annual meeting or any adjournment or postponement thereof. Any proxies returned without instructions will be voted FOR the proposals set forth on the Notice of Annual Meeting of Limited Partners.

The common units are listed on the New York Stock Exchange under the symbol "NAP."

You do not need to attend the annual meeting to vote your common units. Common units represented by valid proxies, received in time for the meeting and not revoked prior to the meeting, will be voted at the meeting. A Limited Partner may revoke a proxy before the proxy is voted by delivering to our Secretary a signed statement of revocation or a duly executed proxy card bearing a later date. Any Limited Partner who has executed a proxy card but attends the meeting in person may revoke the proxy and vote at the meeting.

### How Many Votes Do I Have?

Each common unit of Navios Maritime Midstream Partners L.P. that you own entitles you to one vote.

## How Do I Vote?

Whether you plan to attend the annual meeting or not, we urge you to vote by proxy. Voting by proxy will not affect your right to attend the annual meeting. If your common units are registered directly in your name through our transfer agent, Continental Stock Transfer & Trust Company, or you have unit certificates, you may vote:

- **By mail.** Complete and mail the enclosed proxy card in the enclosed postage prepaid envelope. Your proxy will be voted in accordance with your instructions. If you sign the proxy card but do not specify how you want your common units voted, they will be voted as recommended by our Board of Directors.
- **In person at the meeting.** If you attend the meeting, you may deliver your completed proxy card in person or you may vote by completing a ballot, which will be available at the meeting.

If your units are held in “street name” (held in the name of a bank, broker or other nominee), you must provide the bank, broker or other nominee with instructions on how to vote your common units and can do so as follows:

- **By mail.** You will receive instructions from your broker or other nominee explaining how to vote your common units.
- **In person at the meeting.** Contact the broker or other nominee who holds your common units to obtain a broker’s proxy card and bring it with you to the meeting. You will not be able to vote at the meeting unless you have a proxy card from your broker.

“Street name” holders may vote by telephone or Internet if their bank, broker or other nominee makes those methods available, in which case the bank, broker or other nominee will enclose the instructions with the proxy materials. The telephone and Internet voting procedures are designed to authenticate unitholders’ identities, to allow unitholders to vote their units, and to confirm that their instructions have been recorded properly.

## How Does the Board of Directors Recommend That I Vote on the Proposals?

The Board of Directors recommends that you vote as follows:

- **“FOR”** the election of the nominees for Class II directors;
- **“FOR”** ratification of the selection of independent auditors for our fiscal year ending December 31, 2017; and
- **“FOR”** the amendment to our Partnership Agreement.

If any other matter is presented, the proxy card provides that your common units will be voted by the proxy holder listed on the proxy card in accordance with his or her best judgment. At the time this proxy statement was printed, we knew of no matters that needed to be acted on at the annual meeting, other than those discussed in this proxy statement.

## May I Revoke My Proxy?

If you give us your proxy, you may revoke it at any time before the annual meeting. You may revoke your proxy in any one of the following ways:

- signing a new proxy card and submitting it as instructed above;
- notifying Navios Maritime Midstream Partners L.P.’s Secretary in writing before the annual meeting that you have revoked your proxy; or
- attending the meeting in person and voting in person. Attending the meeting in person will not in and of itself revoke a previously submitted proxy unless you specifically request it.

**PROPOSAL ONE**  
**ELECTION OF DIRECTORS**

In accordance with the terms of our Third Amended and Restated Agreement of Limited Partnership (the “Partnership Agreement”) our Board of Directors consists of seven members, three of the members were appointed by our general partner and at our first annual meeting following our initial public offering, four members were elected into three different classes. The appointed directors serve as directors for terms determined by our general partner. The Class II directors’ terms are set to expire at our 2017 Annual Meeting.

The Class II directors are elected by holders of our common units. Accordingly, Alexander Kalafatides and Christos Kokkinis are the nominees for election as Class II directors, whose term would expire at our 2020 Annual Meeting.

Unless the proxy is marked to indicate that such authorization is expressly withheld, the persons named in the enclosed proxy intend to vote the common units authorized thereby **FOR** the election of the following nominees. It is expected that each of these nominees will be able to serve, but if before the election it develops that either of the nominees is unavailable, the persons named in the accompanying proxy will vote for the election of such substitute nominee or nominees as the current Board of Directors may recommend.

**Nominee for Election to the Company’s Board of Directors**

Information concerning the nominees for election to our Board of Directors is set forth below:

<u>Name</u>	<u>Age</u>	<u>Position</u>
Alexander Kalafatides	53	Class II Director
Christos Kokkinis	65	Class II Director

**Alexander Kalafatides** has been a member of our Board of Directors since our inception. Mr. Kalafatides has over 25 years of experience in general management and marketing. Mr. Kalafatides holds the position of global sales and marketing director of IUC International LLC, a designer and importer of consumer products, and he also serves as an adjunct professor in International Business at Drexel University. He has been involved in considerable turnarounds in various sectors including the marine sector, where he served as Partner and Vice President of CCSI, Inc, a company acting as the sales agent of the Chevron/Texaco joint venture. Following its successful turnaround, the company was acquired by the Chevron/Texaco group. Mr. Kalafatides received his M.B.A. in marketing and international business from the New York University and his B.S.E. in computer engineering & science at the University of Pennsylvania.

**Christos Kokkinis** has been a member of our Board of Directors since our inception. Mr. Kokkinis has over 35 years of experience in ship finance and he is currently an independent consultant on shipping financial matters. He spent 19 years at Alpha Bank, having established and served as the Head of the Shipping Division since 1997. Previously, he served in Citibank Shipping Bank S.A. from where he left as Vice President to join ABN AMRO Bank, where he held the position of the Manager of Shipping Finance from 1991 until 1997. Mr. Kokkinis holds a bachelor’s degree from the Law School of the University of Athens and a M.B.A. in finance and international business from Rutgers University.

**Required Vote.** Approval of Proposal One will require the affirmative vote of the plurality of the votes cast by holders of the common units (excluding common units owned by Navios Maritime Acquisition Corporation or its affiliates) present either in person or represented by proxy at the annual meeting.

**Effect of abstentions and broker non-votes.** Abstentions will not affect the vote on Proposal One. Brokerage firms do not have authority to vote customers’ unvoted units held by the firms in street name for the election of directors. As a result, any units not voted by a beneficial owner will be treated as a broker non-vote. Such broker non-votes will have no effect on the results of this vote.

**THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE IN FAVOR OF THE PROPOSED CLASS II DIRECTORS. UNLESS REVOKED AS PROVIDED ABOVE, PROXIES RECEIVED BY THE BOARD OF DIRECTORS WILL BE VOTED IN FAVOR OF THE PROPOSED DIRECTORS UNLESS A CONTRARY VOTE IS SPECIFIED.**

## PROPOSAL TWO

### INDEPENDENT PUBLIC ACCOUNTANTS

The Board of Directors is submitting for approval the appointment of Ernst & Young (Hellas) Certified Auditors-Accountants S.A., independent public accountants, as our independent auditors for the fiscal year ending December 31, 2017. The Board of Directors proposes that holders of common units ratify this appointment. Ernst & Young (Hellas) Certified Auditors-Accountants S.A.s audited our financial statements for the fiscal year ended December 31, 2016.

Ernst & Young (Hellas) Certified Auditors-Accountants S.A. has advised us that it does not have any direct or indirect financial interest in us, nor has it had any such interest in connection with us since our inception other than in its capacity as our independent auditors.

All services rendered by the independent auditors are subject to review by our Audit Committee.

We are not required to obtain the approval of our Limited Partners to select our independent public accountants. In the event the holders of common units do not ratify the appointment of Ernst & Young (Hellas) Certified Auditors-Accountants S.A. as our independent public accountants, the Audit Committee will reconsider its appointment.

**Required Vote.** Approval of Proposal Two will require the affirmative vote of the majority of votes present or represented by proxy and entitled to vote at the annual meeting.

**Effect of Abstentions and Broker Non-Votes.** Abstentions will be treated as votes against Proposal Two. Brokerage firms have authority to vote customers' unvoted units held by the firms in street name on Proposal Two. If a broker does not exercise this authority, such broker non-votes will have no effect on the results of this vote.

**THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE TO RATIFY THE APPOINTMENT OF ERNST & YOUNG (HELLAS) CERTIFIED AUDITORS-ACCOUNTANTS S.A. AS INDEPENDENT PUBLIC ACCOUNTANTS. UNLESS REVOKED AS PROVIDED ABOVE, PROXIES RECEIVED BY THE BOARD OF DIRECTORS WILL BE VOTED IN FAVOR OF THE APPOINTMENT OF ERNST & YOUNG (HELLAS) CERTIFIED AUDITORS-ACCOUNTANTS S.A. UNLESS A CONTRARY VOTE IS SPECIFIED.**

**PROPOSAL THREE**  
**AMENDMENT TO PARTNERSHIP AGREEMENT**

Our Partnership Agreement currently provides that the holders of a majority of the outstanding units of the class or classes for which a meeting has been called represented in person at a meeting of unitholders or by proxy shall constitute a quorum at a meeting of Limited Partners of such class or classes unless any such action by our limited partners requires approval by holders of a greater percentage of such Units, in which case the quorum shall be such greater percentage. If Proposal Three is approved, our Partnership Agreement will be amended to provide that 33% of the outstanding units of a class, instead of a majority, will constitute a quorum (the “*Amendment*”).

The Board of Directors’ decision to change the number of units required in order to constitute a quorum because we have historically had difficulty getting a majority of all outstanding units to vote at our annual meeting.

If the Amendment is approved by a majority of our unitholders, Article XIII, Section 13.9 of our Limited Partnership will be amended to read as follows:

“Section 13.9 Quorum and Voting. The holders of 33% of the Outstanding Units of the class or classes for which a meeting has been called (including Outstanding Units deemed owned by the General Partner) represented in person or by proxy shall constitute a quorum at a meeting of Limited Partners of such class or classes unless any such action by the Limited Partners requires approval by holders of a greater percentage of such Units, in which case the quorum shall be such greater percentage. At any meeting of the Limited Partners duly called and held in accordance with this Agreement at which a quorum is present, the act of Limited Partners holding Outstanding Units that in the aggregate represent 33% of the Outstanding Units entitled to vote and be present in person or by proxy at such meeting shall be deemed to constitute the act of all Limited Partners, unless a greater or different percentage is required with respect to such action under the provisions of this Agreement, in which case the act of the Limited Partners holding Outstanding Units that in the aggregate represent at least such greater or different percentage shall be required. The Limited Partners present at a duly called or held meeting at which a quorum is present may continue to transact business until adjournment, notwithstanding the withdrawal of enough Limited Partners to leave less than a quorum, if any action taken (other than adjournment) is approved by the required percentage of Outstanding Units specified in this Agreement (including Outstanding Units deemed owned by the General Partner). In the absence of a quorum, any meeting of Limited Partners may be adjourned from time to time by the affirmative vote of holders of at least 33% of the Outstanding Units entitled to vote at such meeting (including Outstanding Units deemed owned by the General Partner) represented either in person or by proxy, but no other business may be transacted, except as provided in Section 13.7; provided however, and anything to the contrary herein contained notwithstanding, at any adjourned annual meeting of the Limited Partners, the holders of Outstanding Units present in person or by proxy and entitled to vote thereat, shall constitute a quorum at such adjourned meeting for the transaction of any business brought before such adjourned meeting and the act of the Limited Partners holding a majority of the units represented in person or by proxy at such adjourned meeting shall be deemed to constitute the act of all Limited Partners.”

The Amendment, if approved by our unitholders, will become effective upon the subsequent execution by our general partner.

**Required vote.** Approval of Proposal Three will require the affirmative vote of the majority of votes present or represented by proxy and entitled to vote at the annual meeting.

**Effect of abstentions and broker non-votes.** Abstentions will be treated as votes against Proposal Three. Brokerage firms have authority to vote customers’ unvoted units held by the firms in street name on Proposal Three. If a broker does not exercise this authority, such broker non-votes will have no effect on the results of this vote.

**THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE IN FAVOR OF THE PROPOSED AMENDMENT TO OUR PARTNERSHIP AGREEMENT. UNLESS REVOKED AS PROVIDED ABOVE, PROXIES RECEIVED BY MANAGEMENT WILL BE VOTED IN FAVOR OF THE AMENDMENT UNLESS A CONTRARY VOTE IS SPECIFIED.**

## **SOLICITATION**

The cost of preparing and soliciting proxies will be borne by us. Solicitation on behalf of the Board of Directors will be made primarily by mail, but Limited Partners may be solicited by telephone, e-mail, other electronic means, or personal contact. Copies of materials for the annual meeting of Limited Partners will be supplied to brokers, dealers, banks and voting trustees, or their nominees, for the purpose of soliciting proxies from beneficial owners.

## **OTHER MATTERS**

The Board of Directors is not aware of any other matters that will be presented for action at the annual meeting. Should any additional matter be properly brought before the annual meeting, it is intended that proxies in the accompanying form will be voted in accordance with the judgment of the person or persons named in the proxies.

BY ORDER OF THE BOARD OF DIRECTORS

**Vasiliki Papaefthymiou**  
Secretary

November 20, 2017

NAVIOS MARITIME MIDSTREAM PARTNERS L.P.

2017 PROXY FOR ANNUAL MEETING OF LIMITED PARTNERS

DECEMBER 15, 2017 11:00 A.M. LOCAL TIME

Please Be Sure To Mark, Sign, Date and Return Your Proxy Card in the Envelope Provided

FOLD HERE • DO NOT SEPARATE • INSERT IN ENVELOPE PROVIDED

PROXY

Please mark your votes like this



THE BOARD OF DIRECTORS RECOMMENDS A VOTE FOR PROPOSALS 1, 2 AND 3.

If you wish to vote in accordance with the Board of Directors' recommendations, just sign below. You need not mark any boxes.

1. Election of two Class II Directors (or if any nominee is not available for election, such substitute as the Board of Directors may designate):

Proposal to elect Alexander Kalafatides and Christos Kokkinis as Class II Directors of the Company, whose terms will expire in 2020.

(01) Alexander Kalafatides FOR WITHHOLD VOTE

(02) Christos Kokkinis FOR WITHHOLD VOTE

2. Proposal to ratify the appointment of Ernst & Young (Hellas) Certified Auditors-Accountants S.A. as the Company's independent public accountants for the fiscal year ending December 31, 2017. FOR AGAINST ABSTAIN

3. Proposal to approve an amendment to the Partnership Agreement. FOR AGAINST ABSTAIN

IN THEIR DISCRETION THE PROXIES ARE AUTHORIZED TO VOTE UPON SUCH OTHER MATTERS AS MAY PROPERLY COME BEFORE THE MEETING OR ANY ADJOURNMENTS OF THE MEETING.

CONTROL NUMBER

Empty box for control number

Signature: \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_, 2017

Note: Please sign exactly as name appears hereon. When units are held by joint owners, both should sign. When signing as attorney, executor, administrator, trustee, guardian, or corporate officer, please give title as such.

p FOLD HERE • DO NOT SEPARATE • INSERT IN ENVELOPE PROVIDED p

**PROXY**

**THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS**

**NAVIOS MARITIME MIDSTREAM PARTNERS L.P.**

The undersigned, revoking any previous proxies relating to these common units, hereby acknowledges receipt of the Notice and Proxy Statement, dated November 20, 2017, in connection with the Annual Meeting of Limited Partners to be held at 11:00 a.m., local time, on Friday, December 15, 2017 at our offices at Le Montaigne Bloc B, 7 Avenue de Grande Bretagne, Monaco and hereby appoints Angeliki Frangou, George Achniotis and Vasiliki Papaefthymiou, and each of them (with full power to act alone), the attorneys and proxies of the undersigned, with power of substitution to each, to vote all the common units of Navios Maritime Midstream Partners L.P. registered in the name provided in this Proxy which the undersigned is entitled to vote at the 2017 Annual Meeting of Limited Partners, and at any adjournments of the meeting, with all the powers the undersigned would have if personally present at the meeting. Without limiting the general authorization given by this Proxy, the proxies are, and each of them is, instructed to vote or act as follows on the proposals set forth in the Proxy.

**This Proxy when executed will be voted in the manner directed herein. If no direction is made this Proxy will be voted FOR the election of the Class II Directors, FOR Proposal 2 and FOR the Amendment of our Partnership Agreement.**

**(Continued and to be marked, dated and signed, on the other side)**

**Signatures**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

NAVIOS MARITIME MIDSTREAM  
PARTNERS L.P.

Date: November 20, 2017

By: /s/ Angeliki Frangou  
Angeliki Frangou  
Chief Executive Officer