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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT  
Pursuant to Section 13 or 15(d)  
of The Securities Exchange Act of 1934**

**November 2, 2017  
Date of Report (Date of earliest event reported)**

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**AMGEN INC.**

(Exact Name of Registrant as Specified in Charter)

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**Delaware**  
(State or Other Jurisdiction  
of Incorporation)

**001-37702**  
(Commission  
File Number)

**95-3540776**  
(I.R.S. Employer of  
Identification Number)

**One Amgen Center Drive  
Thousand Oaks, CA**  
(Address of Principal Executive Offices)

**91320-1799**  
(Zip Code)

**805-447-1000**  
(Registrant's Telephone Number, Including Area Code)

**N/A**  
(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter). Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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### Item 1.01. Entry into a Material Definitive Agreement.

On November 2, 2017, Amgen Inc. (the “Company”) issued and sold \$1,000,000,000 of its 3.200% Senior Notes due 2027 (the “Notes”). The Notes are registered under an effective Registration Statement on Form S-3 (Registration No. 333-216060) (the “Registration Statement”), filed on February 14, 2017, and were issued pursuant to an indenture, dated as of May 22, 2014 (the “Indenture”), between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee, and an officer’s certificate, dated as of November 2, 2017 (the “Officer’s Certificate”), setting forth the terms of the Notes. Net proceeds to the Company from the offering were approximately \$990,410,000, after deducting underwriters’ discounts and estimated offering expenses payable by the Company.

The relevant terms of the Notes are set forth in the Indenture, included as Exhibit 4.1 of the Company’s Current Report on Form 8-K, filed on May 22, 2014, and incorporated herein by reference, and the Officer’s Certificate (including forms of the Notes) attached hereto as Exhibit 4.2 and incorporated herein by reference.

The Notes will bear interest at a rate of 3.200% per annum, which shall be payable in cash semi-annually in arrears on each May 2 and November 2, beginning on May 2, 2018. The Notes will mature on November 2, 2027.

In the event of a change in control triggering event, as defined in the Officer’s Certificate attached hereto as Exhibit 4.2, the holders of the Notes may require the Company to purchase for cash all or a portion of their Notes at a purchase price equal to 101% of the principal amount of Notes, plus accrued and unpaid interest, if any. The descriptions of the Indenture, the Officer’s Certificate and the Notes in this report are summaries and are qualified in their entirety by the terms of the Indenture, the Officer’s Certificate and the Notes, respectively.

The Notes will rank equal in right of payment to all of the Company’s other existing and future senior unsecured indebtedness, senior in right of payment to all of the Company’s existing and future subordinated indebtedness, effectively subordinated in right of payment to all of the Company’s subsidiaries’ obligations (including secured and unsecured obligations) and subordinated in right of payment to the Company’s secured obligations, to the extent of the assets securing such obligations.

### Item 8.01. Other Events.

The Company is filing the computation of its ratio of earnings to fixed charges for the nine months ended September 30, 2017 and each of the five years from 2012 through 2016 as Exhibit 12.1 hereto, which is incorporated by reference into the Registration Statement.

### Item 9.01. Financial Statements and Exhibits.

<u>Exhibit No.</u>	<u>Document Description</u>
1.1	<a href="#">Underwriting Agreement, dated October 31, 2017, by and among the Company and J.P. Morgan Securities LLC, Morgan Stanley &amp; Co. LLC and BNP Paribas Securities Corp., as representatives of the several underwriters named therein.</a>
4.1	<a href="#">Indenture, dated as of May 22, 2014, between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (incorporated by reference to Exhibit 4.1 to Amgen Inc’s Current Report on Form 8-K filed on May 22, 2014).</a>
4.2	<a href="#">Officer’s Certificate of the Company, dated as of November 2, 2017, including the form of the Company’s 3.200% Senior Notes due 2027.</a>
5.1	<a href="#">Opinion of Latham &amp; Watkins LLP, dated November 2, 2017.</a>
12.1	<a href="#">Statement Regarding the Computation of Ratio of Earnings to Fixed Charges.</a>
23.1	<a href="#">Consent of Latham &amp; Watkins LLP (included in Exhibit 5.1).</a>

**SIGNATURE**

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

AMGEN INC.

Date: November 2, 2017

By: /s/ MARY A. LEHMANN

Name: Mary A. Lehmann

Title: Vice President, Finance and Treasurer

## AMGEN INC.

\$1,000,000,000 3.200% SENIOR NOTES DUE 2027

Underwriting Agreement

October 31, 2017

J.P. Morgan Securities LLC  
Morgan Stanley & Co. LLC  
BNP Paribas Securities Corp.

As representatives of the several Underwriters  
named in Schedule I hereto

c/o J.P. Morgan Securities LLC  
383 Madison Avenue  
New York, New York 10179

Dear Sirs and Mesdames:

Amgen Inc., a Delaware corporation (the "Company"), proposes, subject to the terms and conditions stated herein, to issue and sell to the Underwriters named in Schedule I hereto (the "Underwriters") an aggregate of \$1,000,000,000 principal amount of its 3.200% Senior Notes due 2027 (the "Securities") to be issued pursuant to the provisions of an Indenture dated as of May 22, 2014 (the "Indenture"), between the Company and The Bank of New York Mellon Trust Company, N.A., as Trustee (the "Trustee"). J.P. Morgan Securities LLC, Morgan Stanley & Co. LLC and BNP Paribas Securities Corp. have agreed to act as representatives of the Underwriters (the "Representatives").

1. Representations and Warranties. (a) The Company represents and warrants to, and agrees with, you that as of the date hereof and as of the Closing Date:

(i) An "automatic shelf registration statement" as defined under Rule 405 under the Securities Act of 1933, as amended (the "Act") on Form S-3 (File No. 333-194103) in respect of the Securities has been filed with the Securities and Exchange Commission (the "Commission") not earlier than three years prior to the date hereof; such registration statement, and any post-effective amendment thereto, became effective on filing; and no stop order suspending the effectiveness of such registration statement or any part thereof has been issued and no proceeding for that purpose has been initiated or, to the Company's knowledge, threatened by the Commission, and no notice of objection of the Commission to the use of such registration statement or any post-effective amendment thereto pursuant to Rule 401(g)(2) under the Act has been received by the Company (the base prospectus filed as part of such registration statement, in the form in which it has most recently been filed with the Commission on or prior to the date of this Agreement, is hereinafter called the "Basic Prospectus"; any preliminary prospectus (including any preliminary prospectus supplement) relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act is

hereinafter called a “Preliminary Prospectus”; the various parts of such registration statement, including all exhibits thereto but excluding Form T-1 and including any prospectus supplement relating to the Securities that is filed with the Commission and deemed by virtue of Rule 430B to be part of such registration statement, each as amended at the time such part of the registration statement became effective, are hereinafter collectively called the “Registration Statement”; the Basic Prospectus, as amended and supplemented immediately prior to the Applicable Time (as defined in Section 1(a)(iii) hereof), is hereinafter called the “Pricing Prospectus”; the form of the final prospectus relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act in accordance with Section 7(a) hereof is hereinafter called the “Prospectus”; any reference herein to the Basic Prospectus, the Pricing Prospectus, any Preliminary Prospectus or the Prospectus shall be deemed to refer to and include the documents incorporated by reference therein pursuant to Item 12 of Form S-3 under the Act, as of the date of such prospectus; any reference to any amendment or supplement to the Basic Prospectus, any Preliminary Prospectus or the Prospectus shall be deemed to refer to and include any post-effective amendment to the Registration Statement, any prospectus supplement relating to the Securities filed with the Commission pursuant to Rule 424(b) under the Act and any documents filed under the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and incorporated therein, in each case after the date of the Basic Prospectus, such Preliminary Prospectus, or the Prospectus, as the case may be; any reference to any amendment to the Registration Statement shall be deemed to refer to and include any annual report of the Company filed pursuant to Section 13(a) or 15(d) of the Exchange Act after the effective date of the Registration Statement that is incorporated by reference in the Registration Statement; and any “issuer free writing prospectus” as defined in Rule 433 under the Act relating to the Securities is hereinafter called an “Issuer Free Writing Prospectus”);

(ii) No order preventing or suspending the use of any Preliminary Prospectus or any Issuer Free Writing Prospectus has been issued by the Commission, and each Preliminary Prospectus, at the time of filing thereof, conformed in all material respects to the requirements of the Act and the Trust Indenture Act of 1939, as amended (the “Trust Indenture Act”) and the rules and regulations of the Commission thereunder, and did not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that this representation and warranty shall not apply to any statements or omissions made in reliance upon and in conformity with information furnished in writing to the Company by an Underwriter through the Representatives expressly for use therein;

(iii) For the purposes of this Agreement, the “Applicable Time” is 4:00 p.m., New York City time, on the date of this Agreement; the Pricing Prospectus as supplemented by the final term sheets prepared and filed pursuant to Section 7(a) hereof, taken together (collectively, the “Pricing Disclosure Package”) as of the Applicable Time, did not include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; and each Issuer Free Writing Prospectus listed on Schedule II(a) hereto does not conflict with the information contained in the Registration Statement, the Pricing Prospectus or the Prospectus and each such Issuer Free Writing Prospectus, as supplemented by and taken together with the Pricing Disclosure Package as of the Applicable Time, did not

include any untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that this representation and warranty shall not apply to statements or omissions made in an Issuer Free Writing Prospectus in reliance upon and in conformity with information furnished in writing to the Company by an Underwriter through the Representatives expressly for use therein;

(iv) The documents incorporated by reference in the Registration Statement, when they became effective or were filed with the Commission, as the case may be, conformed in all material respects to the requirements of the Act or the Exchange Act, as applicable, and the rules and regulations of the Commission thereunder, and none of such documents contained an untrue statement of a material fact or omitted to state a material fact required to be stated therein or necessary to make the statements therein not misleading; any further documents so filed and incorporated by reference in the Registration Statement or any further amendment or supplement thereto, when such documents become effective or are filed with the Commission, as the case may be, will conform in all material respects to the requirements of the Act or the Exchange Act, as applicable, and the rules and regulations of the Commission thereunder and will not contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; and no such documents were filed with the Commission since the Commission's close of business on the business day immediately prior to the date of this Agreement and prior to the execution of this Agreement, except as set forth on Schedule II(b) hereto;

(v) The Registration Statement conforms, and the Prospectus and any further amendments or supplements to the Registration Statement and the Prospectus will conform, in all material respects to the requirements of the Act and the Trust Indenture Act and the rules and regulations of the Commission thereunder; and the Registration Statement does not and will not, as of the applicable effective date as to each part of the Registration Statement, contain an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; and the Prospectus and any Preliminary Prospectus will not, as of the applicable filing date and any amendment or supplement thereto, include any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; *provided, however*, that this representation and warranty shall not apply to any statements or omissions made in reliance upon and in conformity with information furnished in writing to the Company by an Underwriter through the Representatives expressly for use therein;

(vi) Ernst & Young LLP, which has audited the consolidated financial statements of the Company and its consolidated subsidiaries incorporated by reference in the Registration Statement, are independent registered public accountants with respect to the Company and its subsidiaries within the meaning of Regulation S-X under the Act and the rules and regulations thereunder;

(vii) The consolidated financial statements included in the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2016 and the Company's Quarterly Reports on Form 10-Q for the quarterly periods ended March 31, 2017, June 30, 2017 and September 30, 2017, which are incorporated by reference in the Pricing Prospectus and the Prospectus, present fairly, in all material respects, the consolidated financial position of the Company and its subsidiaries at December 31, 2016 and 2015, and March 31, 2017, June 30, 2017 and September 30, 2017, and the consolidated statements of operations and cash flows of the Company and its subsidiaries for each of the three years in the period ended December 31, 2016, for each of the three month periods ended March 31, 2017 and 2016, for each of the six month periods ended June 30, 2017 and 2016, and for each of the nine month periods ended September 30, 2017 and 2016 are in conformity with accounting principles generally accepted in the United States ("GAAP") and the applicable accounting requirements of the Exchange Act and the related rules and regulations adopted by the SEC. The related financial statement schedule, when considered in relation to the basic consolidated financial statements taken as a whole, presents fairly in all material respects the information set forth therein for each of the three years in the period ended December 31, 2016;

(viii) Since the date as of which information is given in the Pricing Prospectus, except as otherwise stated therein, (A) there has been no material adverse change in the financial condition or in the earnings of the Company and its subsidiaries considered as one enterprise, (B) there have been no transactions entered into by the Company or any of its subsidiaries, other than those in the ordinary course of business, which are material with respect to the Company and its subsidiaries considered as one enterprise, and (C) there has been no dividend or distribution of any kind declared, paid or made by the Company on any class of its capital stock not described in the Pricing Prospectus;

(ix) The Company and each subsidiary of the Company listed in Schedule III hereto (such subsidiaries, collectively, the "Significant Subsidiaries"), has been duly incorporated or organized and is validly existing in good standing under the laws of the jurisdiction in which it is incorporated, chartered or organized with the corporate power and authority to own or lease, as the case may be, and to operate its properties and conduct its business as described in the Pricing Prospectus and Prospectus and is duly qualified to do business as a foreign corporation or organization and is in good standing under the laws of each jurisdiction which requires such qualification, except, in each case, where the failure so to qualify or to be in good standing would not have a material adverse effect on the financial condition of the Company and its subsidiaries, considered as one enterprise (a "Material Adverse Effect");

(x) All the issued and outstanding shares of capital stock of the Significant Subsidiaries have been duly and validly authorized and issued and are fully paid and nonassessable, and, except as may be otherwise set forth in the Pricing Prospectus and Prospectus, all outstanding shares of capital stock of the Significant Subsidiaries are owned by the Company either directly or through a wholly-owned subsidiary free and clear of any security interest, mortgage, pledge, lien, encumbrance, claim or equity; none of the outstanding shares of capital stock of the Significant Subsidiaries was issued in violation of the preemptive or similar rights of any securityholder of any Significant Subsidiary;

(xi) None of the Significant Subsidiaries is currently prohibited, directly or indirectly, from paying any dividends to the Company, from making any other distribution on such subsidiary's capital stock, from repaying to the Company any loans or advances to such subsidiary from the Company or from transferring any of such subsidiary's property or assets to the Company or any other subsidiary of the Company, except as may be described in or contemplated by the Pricing Prospectus and Prospectus and except as would not result in a Material Adverse Effect;

(xii) The consolidated capitalization of the Company as of September 30, 2017 is as set forth in the Pricing Prospectus and Prospectus in the column entitled "Actual" under the caption "Capitalization." The outstanding shares of capital stock of the Company have been duly and validly authorized and issued and are fully paid and nonassessable; none of the outstanding shares of capital stock of the Company was issued in violation of the preemptive or similar rights of any security holder of the Company;

(xiii) This Agreement has been duly authorized, executed and delivered by the Company;

(xiv) The Indenture has been duly authorized, executed and delivered by the Company and, assuming the due authorization, execution and delivery of the Indenture by the Trustee, is a valid and binding agreement of the Company enforceable against the Company in accordance with its terms, except (A) to the extent that a waiver of rights under any usury laws may be unenforceable and as the enforceability thereof may be limited by bankruptcy, insolvency, fraudulent conveyance, moratorium or other similar laws now or hereafter in effect relating to or affecting the enforcement of creditors' rights and remedies generally and (B) as rights of acceleration and the availability of equitable remedies may be limited by equitable principles of general applicability, whether or not enforcement is sought at law or in equity;

(xv) The Securities have been duly authorized by the Company, and, on the Closing Date, the Securities will have been duly executed by the Company and, when authenticated, issued and delivered in the manner provided for in the Indenture and delivered against payment of the purchase price therefore as provided in this Agreement, will be the valid and binding obligations of the Company, enforceable against the Company in accordance with their terms, except (A) to the extent that a waiver of rights under any usury laws may be unenforceable and as the enforceability thereof may be limited by bankruptcy, insolvency, fraudulent conveyance, moratorium or other similar laws now or hereafter in effect relating to or affecting the enforcement of creditors' rights and remedies generally and (B) as rights of acceleration and the availability of equitable remedies may be limited by equitable principles of general applicability, whether or not enforcement is sought at law or in equity. At the Closing Date, the Securities will be in the form contemplated by, and will be entitled to the benefits of, the Indenture;

(xvi) The Securities and the Indenture will conform in all material respects to the respective statements relating thereto contained in the Pricing Disclosure Package and Prospectus;

(xvii) Neither the Company nor any of its Significant Subsidiaries is in violation of its charter or by-laws or in default in the performance or observance of any obligation, agreement, covenant or condition contained in any contract, indenture, mortgage, deed of trust, loan or credit agreement, note, lease or other agreement or instrument to which the Company or any of its subsidiaries is a party or by which it or any of them may be bound, or to which any of the property or assets of the Company or any of its subsidiaries is subject, except for such defaults that would not result in a Material Adverse Effect;



(xviii) The execution, delivery and performance by the Company of its obligations under this Agreement, the Indenture and the Securities will not contravene any provision of (A) the Amended and Restated Certificate of Incorporation, or Amended and Restated Bylaws of the Company, (B) any agreement or other instrument binding upon the Company or its business or assets that is material to the financial condition of the Company and its subsidiaries, considered as one enterprise, (C) applicable law and (D) any judgment, order, decree of any governmental body, agency or court having jurisdiction over the Company or its business or assets;

(xix) Except as disclosed in the Pricing Prospectus and Prospectus, there is no action, suit, proceeding, inquiry or investigation before or brought by any court or governmental agency or body, domestic or foreign, now pending, or, to the knowledge of the Company, threatened, against or affecting the Company or any of its subsidiaries which might reasonably be expected to result in a Material Adverse Effect, or which might reasonably be expected to materially and adversely affect the properties or assets of the Company or any of its subsidiaries or the consummation of the transactions contemplated by this Agreement or the performance by the Company of its obligations hereunder. The aggregate of all pending legal or governmental proceedings to which the Company or any of its subsidiaries is a party or of which any of their respective property or assets is the subject which are not described in the Pricing Prospectus and Prospectus, including ordinary routine litigation incidental to the business, could not reasonably be expected to result in a Material Adverse Effect;

(xx) Except as described in the Pricing Prospectus and Prospectus, the Company and its Significant Subsidiaries own or possess, or can acquire on reasonable terms, adequate patents, patent rights, licenses, inventions, copyrights, know-how (including trade secrets and other unpatented and/or unpatentable proprietary or confidential information, systems or procedures), trademarks, service marks and trade names (collectively, "Intellectual Property") which in each case are material to the financial condition of the Company and its subsidiaries, considered as one enterprise, and neither the Company nor any of its Significant Subsidiaries has received any notice of any infringement of or conflict with asserted rights of others with respect to any Intellectual Property, which infringement or conflict, singly or in the aggregate, could reasonably be expected to result in a Material Adverse Effect;

(xxi) No consent, approval, authorization or order of or qualification with any governmental body or agency is required for the performance by the Company of its obligations under this Agreement, the Indenture or in connection with the offering, issuance and sale of the Securities, except (A) such as have been already obtained or will have been obtained prior to the Closing Date and (B) as may be required under the rules and regulations promulgated under the Act and the Trust Indenture Act and the rules and regulations thereunder, in each case with respect to transactions contemplated by the Indenture;

(xxii) The Company has all necessary consents, authorizations, approvals, orders, certificates and permits of and from (collectively, “Governmental Permits”), and has made all declarations and filings with, all federal, state, local and other governmental authorities, all self-regulatory organizations and all courts and other tribunals, to own, lease, license and use its properties and assets and to conduct its business in the manner described in the Pricing Prospectus and Prospectus, except to the extent that the failure to obtain or file would not have a Material Adverse Effect; and the Company has not received any notice of proceedings relating to the revocation or modification of any such Governmental Permits which, singly or in the aggregate, could reasonably be expected to result in a Material Adverse Effect;

(xxiii) Except as described in the Pricing Prospectus and Prospectus and except as would not, singly or in the aggregate, result in a Material Adverse Effect, (A) neither the Company nor any of its subsidiaries is in violation of any federal, state, local or foreign statute, law, rule, regulation, ordinance, code, policy or rule of common law or any judicial or administrative interpretation thereof, including any judicial or administrative order, consent, decree or judgment, relating to pollution or protection of human health, the environment (including, without limitation, ambient air, surface water, groundwater, land surface or subsurface strata) or wildlife, including, without limitation, laws and regulations relating to the release or threatened release of chemicals, pollutants, contaminants, wastes, toxic substances, hazardous substances, petroleum or petroleum products (collectively, “Hazardous Materials”) or to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of Hazardous Materials (collectively, “Environmental Laws”), (B) the Company and its subsidiaries have all permits, authorizations and approvals required under any applicable Environmental Laws and are each in compliance with their requirements, (C) there are no pending or threatened administrative, regulatory or judicial actions, suits, demands, demand letters, claims, liens, notices of noncompliance or violation, investigations or proceedings relating to any Environmental Law against the Company or any of its subsidiaries and (D) there are no events or circumstances that might reasonably be expected to form the basis of an order for clean-up or remediation, or an action, suit or proceeding by any private party or governmental body or agency, against or affecting the Company or any of its subsidiaries relating to Hazardous Materials or any Environmental Laws;

(xxiv) Neither the Company nor any of its subsidiaries is in violation of any Federal or state law or regulation relating to occupational safety and health or to the storage, handling and transportation of hazardous or toxic materials, the Company and each of its subsidiaries have received all permits, licenses or other approvals required of them under applicable Federal and state occupational safety and health laws and Environmental Laws and regulations to conduct their respective businesses, and the Company and each such subsidiary is in compliance with all terms and conditions of any such permit, license or approval, except any such violation of law or regulation, failure to receive required permits, licenses or other approvals or failure to comply with the terms and conditions of such permits, licenses or approvals that would not, singly or in the aggregate, result in a Material Adverse Effect, except as described in or contemplated by the Pricing Prospectus and Prospectus;

(xxv) The Company and its subsidiaries, taken as a whole, maintain a system of internal accounting controls sufficient to provide reasonable assurances that (A) transactions are executed in accordance with management’s general or specific authorization; (B) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; (C) access to assets is permitted only in accordance with management’s general or specific authorization; and (D) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences;

(xxvi) The Company is not, and after giving effect to the offering and sale of the Securities and the application of the proceeds thereof as described in the Pricing Prospectus and Prospectus, will not be an “investment company,” or an entity “controlled” by an investment company, as such terms are defined in the Investment Company Act of 1940, as amended;

(xxvii) The Company and each of its subsidiaries are insured by insurers of recognized financial responsibility against such losses and risks and in such amounts as are reasonable and consistent with sound business practice;

(xxviii) To the knowledge of the Company, the conduct of the business of the Company and of its subsidiaries, including, as conducted by any of the directors, officers, employees, agents or representatives of the Company or any of its subsidiaries, has been in material compliance with applicable anti-bribery and corruption laws, including but not limited to the Foreign Corrupt Practices Act of 1977, as amended (the “FCPA”); and the Company and its subsidiaries have instituted and maintained policies and procedures designed to promote and achieve compliance with such applicable anti-bribery and corruption laws;

(xxix) (A) (i) At the time of filing the Registration Statement, (ii) at the time of the most recent amendment thereto, if any, for the purposes of complying with Section 10(a)(3) of the Act (whether such amendment was by post-effective amendment, incorporated report filed pursuant to Section 13 or 15(d) of the Exchange Act or form of prospectus), and (iii) at the time the Company or any person acting on its behalf (within the meaning, for this clause only, of Rule 163(c) under the Act) made any offer relating to the Securities in reliance on the exemption of Rule 163 under the Act, the Company was a “well-known seasoned issuer” as defined in Rule 405 under the Act; and (B) at the earliest time after the filing of the Registration Statement that the Company or another offering participant made a bona fide offer (within the meaning of Rule 164(h)(2) under the Act) of the Securities, the Company was not an “ineligible issuer” as defined in Rule 405 under the Act; and

(xxx) The Company is subject to the reporting requirements of Section 13 or Section 15(d) of the Exchange Act.

(b) Officer’s Certificate. Any certificate signed by any officer of the Company and delivered to the Underwriters or counsel for the Underwriters in connection with the issuance of the Securities shall be deemed a representation and warranty by the Company, as to matters covered thereby, to the Underwriters.

2. Agreements to Sell and Purchase. (a) The Company hereby agrees to sell to the several Underwriters, and each Underwriter, upon the basis of the representations and warranties herein contained, but subject to the conditions hereinafter stated, agrees, severally and not jointly, to purchase from the Company the respective principal amount of Securities set forth opposite its name in Schedule I hereto and the Company and the Underwriters agree that the Company shall receive 99.151% of the aggregate principal amount of the Securities, plus accrued interest, in each case, if any, from the Closing Date.

(b) The Company hereby agrees that, without the prior written consent of the Representatives on behalf of the Underwriters, it will not, during the period beginning on the date of this Agreement and continuing to and including the Closing Date, offer, sell, contract to sell or otherwise dispose of any debt of the Company or warrants to purchase debt of the Company substantially similar to the Securities (other than the sale of the Securities under this Agreement).

3. Terms of Offering. Upon the authorization by you of the release of the Securities, the several Underwriters propose to offer the Securities for sale upon the terms and conditions set forth in the Pricing Disclosure Package and Prospectus.

4. Purchase and Delivery. (a) Payment for the Securities shall be made to the Company in Federal or other funds immediately available in New York City against delivery of such Securities for the respective accounts of the several Underwriters at 10:00 a.m., New York City time, on November 2, 2017, or at such other time on the same or such other date as shall be agreed by the parties. The time and date of such payment are hereinafter referred to as the “Closing Date.”

(b) Certificates for the Securities, if any, shall be in global form and registered in the name of Cede & Co., as nominee of the Depository Trust Company. The certificates evidencing the Securities shall be delivered to the Trustee on the Closing Date for the respective accounts of the several Underwriters, with any transfer taxes payable in connection with the transfer of the Securities to the Underwriters duly paid, against payment of the purchase price therefor plus accrued interest, if any, to the date of payment and delivery.

5. Free Writing Prospectuses. (a) (i) The Company represents and agrees that, other than the final term sheets prepared and filed pursuant to Section 7(a) hereof, without the prior consent of the Representatives, it has not made and will not make any offer relating to the Securities that would constitute a “free writing prospectus” as defined in Rule 405 under the Act;

(ii) each Underwriter represents and agrees that, without the prior consent of the Company and the Representatives, other than (A) one or more customary Bloomberg screens to offer the Securities or convey the pricing terms thereof and (B) one or more term sheets relating to the Securities containing customary information and conveyed to purchasers of Securities, it has not made and will not make any offer relating to the Securities that would constitute a free writing prospectus required to be filed with the Commission; and

(iii) any such free writing prospectus, the use of which has been consented to by the Company and the Representatives (other than the final term sheet prepared and filed pursuant to Section 7(a) hereof), is listed on Schedule II(a) hereto.

(b) The Company has complied and will comply with the requirements of Rule 433 under the Act applicable to any Issuer Free Writing Prospectus, including timely filing with the Commission or retention where required and legending.

(c) The Company agrees that if at any time following issuance of an Issuer Free Writing Prospectus any event occurred or occurs as a result of which such Issuer Free Writing Prospectus would conflict with the information in the Registration Statement, the Pricing Prospectus or the Prospectus or would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances then prevailing, not misleading, the Company will give prompt notice thereof to the Representatives, and if requested by the Representatives, will prepare and furnish without charge to each Underwriter an Issuer Free Writing Prospectus or other document which will correct such conflict, statement or omission; *provided, however*, that this representation and warranty shall not apply to any statements or omissions in an Issuer Free Writing Prospectus made in reliance upon and in conformity with information furnished in writing to the Company by an Underwriter through the Representatives expressly for use therein.

6. Conditions to the Underwriters' Obligations. The several obligations of the Underwriters to purchase and pay for the Securities on the Closing Date are subject to the following conditions:

(a) The Prospectus shall have been filed with the Commission pursuant to Rule 424(b) under the Act within the applicable time period prescribed for such filing by the rules and regulations under the Act and in accordance with Section 7(a) hereof; the final term sheet contemplated by Section 7(a) hereof, and any other material required to be filed by the Company pursuant to Rule 433(d) under the Act, shall have been filed with the Commission within the applicable time periods prescribed for such filings by Rule 433; no stop order suspending the effectiveness of the Registration Statement or any part thereof shall have been issued and no proceeding for that purpose shall have been initiated or threatened by the Commission and no notice of objection of the Commission to the use of the Registration Statement or any post-effective amendment thereto pursuant to Rule 401(g)(2) under the Act shall have been received; no stop order suspending or preventing the use of the Prospectus or any Issuer Free Writing Prospectus shall have been initiated or threatened by the Commission; and all requests for additional information on the part of the Commission shall have been complied with to your reasonable satisfaction.

(b) Subsequent to the execution and delivery of this Agreement and prior to the Closing Date:

(i) there shall not have occurred any downgrading, nor shall any notice have been given of any intended or potential downgrading or of any review for a possible change that does not indicate the direction of the possible change, in the rating accorded of any of the Company's securities by any "nationally recognized statistical rating organization," as such term is defined for purposes of Section 3(a)(62) of the Exchange Act; and

(ii) there shall not have been, since the date of this Agreement or since the respective dates as of which information is given in the Pricing Prospectus and Prospectus, any material adverse change in the financial condition or in the earnings of the Company and its subsidiaries, taken as a whole.

(c) The Underwriters shall have received on the Closing Date, a certificate, dated as of the date of the Closing Date and signed by the chief executive officer, the chief financial officer or the treasurer of the Company, to the effect set forth in Section 6(b)(i) and to the effect that (i) the representations and warranties of the Company contained in this Agreement are true and correct in all material respects as of the Closing Date and (ii) the Company has complied in all material respects with all of the agreements and satisfied in all material respects all of the conditions on its part to be performed or satisfied hereunder on or before the Closing Date.

The officer signing and delivering such certificate may rely upon the best of his or her knowledge as to proceedings threatened.

(d) The Underwriters shall have received on the Closing Date an opinion or opinions and a negative assurances letter of Latham & Watkins LLP, outside counsel for the Company, dated the date of the Closing Date, in the form previously agreed.

(e) The Underwriters shall have received on the Closing Date an opinion of the Company's general counsel or any associate general counsel, dated the date of the Closing Date, in the form previously agreed.

(f) The Underwriters shall have received on the Closing Date, an opinion of Shearman & Sterling LLP, counsel for the Underwriters, dated the date of the Closing Date, in the form previously agreed.

(g) The Underwriters and the board of directors of the Company shall have received on the date hereof, on the effective date of any post-effective amendment to the Registration Statement filed subsequent to the date of this Agreement and also on the Closing Date, a letter, dated the respective dates of delivery thereof, in form and substance reasonably satisfactory to the Underwriters, from Ernst & Young LLP, independent registered public accountants, containing statements and information of the type ordinarily included in accountants' "comfort letters" to underwriters with respect to the financial statements and certain financial information contained in or incorporated by reference into the Registration Statement.

7. Covenants of the Company. In further consideration of the agreements of the Underwriters contained in this Agreement, the Company covenants and agrees with each Underwriter as follows:

(a) To prepare the Prospectus in a form approved by you and to file such Prospectus pursuant to Rule 424(b) under the Act not later than the Commission's close of business on the second business day following the date of this Agreement; to make no further amendment or any supplement to the Registration Statement, the Basic Prospectus or the Prospectus prior to the Closing Date which shall be disapproved by you promptly after reasonable notice thereof; to advise you, promptly after it receives notice thereof, of the time when any amendment to the Registration Statement has been filed or becomes effective or any amendment or supplement to the Prospectus has been filed and to furnish you with copies thereof; to prepare final term sheets, containing solely a description of the Securities, in a form approved by you and to file such term sheets pursuant to Rule 433(d) under the Act within the

time required by such Rule; to file promptly all other material required to be filed by the Company with the Commission pursuant to Rule 433(d) under the Act; to file promptly all reports and any definitive proxy or information statements required to be filed by the Company with the Commission pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act subsequent to the date of the Prospectus and for so long as the delivery of a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is required in connection with the offering or sale of the Securities; to advise you, promptly after it receives notice thereof, of the issuance by the Commission of any stop order or of any order preventing or suspending the use of any Preliminary Prospectus or other prospectus in respect of the Securities, of any notice of objection of the Commission to the use of the Registration Statement or any post-effective amendment thereto pursuant to Rule 401(g)(2) under the Act, of the suspension of the qualification of the Securities for offering or sale in any jurisdiction, of the initiation or threatening of any proceeding for any such purpose, or of any request by the Commission for the amending or supplementing of the Registration Statement or the Prospectus or for additional information; and, in the event of the issuance of any stop order or of any order preventing or suspending the use of any Preliminary Prospectus or other prospectus or suspending any such qualification, to promptly use its commercially reasonable efforts to obtain the withdrawal of such order; and in the event of any such issuance of a notice of objection, promptly to take such steps including, without limitation, amending the Registration Statement or filing a new registration statement, at its own expense, as may be necessary to permit offers and sales of the Securities by the Underwriters (references herein to the Registration Statement shall include any such amendment or new registration statement).

(b) If required by Rule 430B(h) under the Act, to prepare a form of prospectus in a form approved by you and to file such form of prospectus pursuant to Rule 424(b) under the Act not later than may be required by Rule 424(b) under the Act; and to make no further amendment or supplement to such form of prospectus which shall be disapproved by you promptly after reasonable notice thereof.

(c) If by the third anniversary (the "Renewal Deadline") of the initial effective date of the Registration Statement, any of the Securities remain unsold by the Underwriters, the Company will file, if it has not already done so and is eligible to do so, a new automatic shelf registration statement relating to the Securities, in a form reasonably satisfactory to you. If at the Renewal Deadline the Company is no longer eligible to file an automatic shelf registration statement, the Company will, if it has not already done so, file a new shelf registration statement relating to the Securities, in a form reasonably satisfactory to you and will use its commercially reasonable efforts to cause such registration statement to become effective within 180 days after the Renewal Deadline. The Company will take all other action reasonably necessary or appropriate to permit the public offering and sale of the Securities to continue as contemplated in the expired registration statement relating to the Securities. References herein to the Registration Statement shall include such new automatic shelf registration statement or such new shelf registration statement, as the case may be.

(d) As soon as practicable following the date of this Agreement and from time to time, to furnish the Underwriters with written and electronic copies of the Prospectus in New York City in such quantities as you may reasonably request, and, if the delivery of a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is

required at any time prior to the expiration of nine months after the time of issue of the Prospectus in connection with the offering or sale of the Securities and if at such time any event shall have occurred as a result of which the Prospectus as then amended or supplemented would include an untrue statement of a material fact or omit to state any material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made when such Prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) is delivered, not misleading, or, if for any other reason it shall be necessary during such same period to amend or supplement the Prospectus or to file under the Exchange Act any document incorporated by reference in the Prospectus in order to comply with the Act, the Exchange Act or the Trust Indenture Act, to notify you and upon your request to file such document and to prepare and furnish without charge to each Underwriter and to any dealer in securities as many written and electronic copies as you may from time to time reasonably request of an amended Prospectus or a supplement to the Prospectus which will correct such statement or omission or effect such compliance; and in case any Underwriter is required to deliver a prospectus (or in lieu thereof, the notice referred to in Rule 173(a) under the Act) in connection with sales of any of the Securities at any time nine months or more after the time of issue of the Prospectus, upon your request but at the expense of such Underwriter, to prepare and deliver to such Underwriter as many written and electronic copies as you may request of an amended or supplemented Prospectus complying with Section 10(a)(3) of the Act.

(e) To make generally available to its securityholders as soon as practicable, but in any event not later than sixteen months after the effective date of the Registration Statement (as defined in Rule 158(c) under the Act), an earnings statement of the Company and its subsidiaries (which need not be audited) complying with Section 11(a) of the Act and the rules and regulations of the Commission thereunder (including, at the option of the Company, Rule 158).

(f) To pay the required Commission filing fees relating to the Securities within the time required by Rule 456(b)(1) under the Act without regard to the proviso therein and otherwise in accordance with Rules 456(b) and 457(r) under the Act.

(g) To endeavor to qualify the Securities for offer and sale under the securities or Blue Sky laws of such jurisdictions as you shall reasonably request *provided, however*, that the Company shall not be required to (i) qualify as a foreign corporation or as a dealer in securities in any jurisdiction where it would not otherwise be required to qualify but for this Section 7(g), (ii) file any general consent to service of process, (iii) subject itself to taxation in any such jurisdiction if it is not so subject or (iv) make any changes to its certificate of incorporation or bylaws.

(h) Whether or not the transactions contemplated in this Agreement are consummated or this Agreement is terminated, to pay or cause to be paid all expenses incident to the performance of its obligations under this Agreement, including: (i) the fees, disbursements and expenses of the Company's counsel and the Company's accountants in connection with the registration of the Securities and all other fees or expenses of the Company in connection with the preparation, printing, production and filing of the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, any Issuer Free Writing Prospectus and the Prospectus and any amendments and supplements thereto and the mailing and delivering of



copies thereof to the Underwriters and dealers; (ii) all costs and expenses related to the preparation, issuance and delivery of the Securities to the Underwriters, including any transfer or other taxes payable thereon; (iii) all expenses in connection with the qualification of the Securities for offer and sale under state securities laws as provided in Section 7(g) hereof, including filing fees and the reasonable fees and disbursements of counsel for the Underwriters in connection with such qualification and in connection with the preparation of any Blue Sky or legal investment memorandum; (iv) any fees charged by rating agencies for the rating of the Securities; (v) any filing fees incident to, and any fees and disbursements of counsel for the Underwriters in connection with, any required review by the Financial Industry Regulatory Authority of the terms of the sale of the Securities; (vi) the costs and charges of the Trustee; and (vii) all other cost and expenses incident to the performance of the obligations of the Company hereunder for which provision is not otherwise made in this Section. It is understood, however, that except as provided in clauses (iii) and (v) of this Section 7(h), and the last paragraph of Section 10, the Underwriters will pay all of their costs and expenses, including fees and disbursements of their counsel, transfer taxes payable on resale of any of the Securities by them and any advertising expenses connected with any offers they may make.

8. Indemnity and Contribution. (a) The Company will indemnify and hold harmless each Underwriter against any losses, claims, damages or liabilities, joint or several, to which such Underwriter may become subject, under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon an untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, or any amendment or supplement thereto, any Issuer Free Writing Prospectus or any "issuer information" filed or required to be filed pursuant to Rule 433(d) under the Act, or arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, and will reimburse such Underwriter for any legal or other expenses reasonably incurred by it in connection with investigating or defending any such action or claim as such expenses are incurred; *provided, however*, that the Company shall not be liable in any such case to the extent that any such loss, claim, damage or liability arises out of or is based upon an untrue statement or alleged untrue statement or omission or alleged omission made in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus relating to the Securities, or in any such amendment or supplement thereto, in reliance upon and in conformity with written information furnished to the Company by such Underwriter expressly for use therein.

(b) Each Underwriter will severally and not jointly indemnify and hold harmless the Company against any losses, claims, damages or liabilities to which the Company may become subject, under the Act or otherwise, insofar as such losses, claims, damages or liabilities (or actions in respect thereof) arise out of or are based upon an untrue statement or alleged untrue statement of a material fact contained in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus, or arise out of or are based upon the omission or alleged omission to state therein a material fact required to be stated therein or necessary to make the statements therein not misleading, in each case to the extent, but

only to the extent, that such untrue statement or alleged untrue statement or omission or alleged omission was made in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus relating to the Securities, in reliance upon and in conformity with written information furnished to the Company by such Underwriter expressly for use therein; and will reimburse the Company for any legal or other expenses reasonably incurred by the Company in connection with investigating or defending any such action or claim as such expenses are incurred. The Company hereby acknowledges that the only information furnished to the Company by any Underwriter expressly for use in the Registration Statement, the Basic Prospectus, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, or any amendment or supplement thereto, or any Issuer Free Writing Prospectus relating to the Securities, is the names of the Underwriters on the cover page and back page of the Pricing Prospectus and the Prospectus and, under the caption "Underwriting" in the Pricing Prospectus and the Prospectus: (i) the second and third sentences of the third paragraph of text, concerning the terms of the offering by the Underwriters, (ii) the third sentence of the fourth paragraph of text concerning market making by the Underwriters, and (iii) the fifth, sixth and seventh paragraphs of text, concerning short sales, stabilizing transactions and purchases to cover positions created by short sales by the Underwriters and penalty bids.

(c) As promptly as reasonably practical after receipt by an indemnified party under paragraph (a) or (b) above of notice of the commencement of any action, such indemnified party shall, if a claim in respect thereof is to be made against the indemnifying party under such subsection, notify the indemnifying party in writing of the commencement thereof; but the omission so to notify the indemnifying party shall not relieve it of its obligations (i) under paragraph (a) or (b), as applicable, of this Section 8 unless and only to the extent that the indemnifying party is materially prejudiced by the failure to notify, or (ii) from any liability which it may have to any indemnified party otherwise than under such applicable subsection. In case any such action shall be brought against any indemnified party and it shall notify the indemnifying party of the commencement thereof, the indemnifying party shall be entitled to participate therein and, to the extent that it shall wish, jointly with any other indemnifying party similarly notified, to assume the defense thereof, and retain counsel reasonably satisfactory to the indemnified party to represent the indemnified party and any others the indemnifying party may designate in such proceeding and shall pay the fees and disbursements of such counsel related to such proceeding. In any such proceeding, any indemnified party shall have the right to retain its own counsel, but the fees and expenses of such counsel shall be at the expense of such indemnified party unless (1) the indemnifying party and the indemnified party shall have mutually agreed to the retention of such counsel or (2) the named parties to any such proceeding (including any impleaded parties) include both the indemnifying party and the indemnified party and representation of both parties by the same counsel would, in the written opinion of legal counsel to the indemnified party, be inappropriate due to actual or potential differing interests between them.

It is understood that the indemnifying party shall not, in respect of the legal expenses of any indemnified party in connection with any proceeding or related proceedings in the same jurisdiction, be liable for the fees and expenses of more than one separate firm (in addition to any local counsel) for all such indemnified parties and that all such fees and expenses shall be reimbursed as they are incurred. Such firm shall be designated in writing by the

Representatives or, if none of the Representatives is an indemnified party and is not reasonably likely to become an indemnified party, by the Underwriters that are indemnified parties, in the case of parties indemnified pursuant to paragraph (a) above, and by the Company, in the case of parties indemnified pursuant to paragraph (b) above. No indemnifying party shall, without the written consent of the indemnified party, effect the settlement or compromise of, or consent to the entry of any judgment with respect to, any pending or threatened action or claim in respect of which indemnification or contribution may be sought hereunder (whether or not the indemnified party is an actual or potential party to such action or claim) unless such settlement, compromise or judgment (i) includes an unconditional release of the indemnified party from all liability arising out of such action or claim and (ii) does not include a statement as to, or an admission of, fault, culpability or a failure to act, by or on behalf of any indemnified party.

(d) If the indemnification provided for in this Section 8 is unavailable or insufficient to hold harmless an indemnified party under subsection (a) or (b) above in respect of any losses, claims, damages or liabilities (or actions in respect thereof) referred to therein, then each indemnifying party shall contribute to the amount paid or payable by such indemnified party as a result of such losses, claims, damages or liabilities (or actions in respect thereof) in such proportion as is appropriate to reflect the relative benefits received by the Company on the one hand and each Underwriter on the other from the offering of the Securities to which such loss, claim, damage or liability (or action in respect thereof) relates. If, however, the allocation provided by the immediately preceding sentence is not permitted by applicable law, then each indemnifying party shall contribute to such amount paid or payable by such indemnified party in such proportion as is appropriate to reflect not only such relative benefits but also the relative fault of the Company on the one hand and each Underwriter on the other in connection with the statements or omissions which resulted in such losses, claims, damages or liabilities (or actions in respect thereof), as well as any other relevant equitable considerations. The relative benefits received by the Company on the one hand and each Underwriter on the other shall be deemed to be in the same proportion as the total net proceeds from the sale of Securities (before deducting expenses) received by the Company bear to the total commissions and discounts received by such Underwriter in respect thereof. The relative fault shall be determined by reference to, among other things, whether the untrue or alleged untrue statement of a material fact or the omission or alleged omission to state a material fact required to be stated therein or necessary in order to make the statements therein not misleading relates to information supplied by the Company on the one hand or by any Underwriter on the other and the parties' relative intent, knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and each Underwriter agree that it would not be just and equitable if contribution pursuant to this subsection (d) were determined by pro rata allocation (even if all Underwriters were treated as one entity for such purpose) or by any other method of allocation which does not take account of the equitable considerations referred to above in this subsection (d). The amount paid or payable by an indemnified party as a result of the losses, claims, damages or liabilities (or actions in respect thereof) referred to above in this subsection (d) shall be deemed to include any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this subsection (d), an Underwriter shall not be required to contribute any amount in excess of the amount by which the total price at which the Securities that were offered and sold to the public through such Underwriter exceeds the amount of any damages which such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue

statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation. The obligations of each of the Underwriters under this subsection (d) to contribute are several in proportion to the respective purchases made by or through each such Underwriter to which such loss, claim, damage or liability (or action in respect thereof) relates and are not joint.

(e) The obligations of the Company under this Section 8 shall be in addition to any liability which the Company may otherwise have and shall extend, upon the same terms and conditions, to each officer, director, employee, agent or affiliate of any Underwriter and to each person, if any, who controls any Underwriter within the meaning of Section 15 of the Act or Section 20 of the Exchange Act; and the obligations of each Underwriter under this Section 8 shall be in addition to any liability which such Underwriter may otherwise have and shall extend, upon the same terms and conditions, to each officer and director of the Company and to each person, if any, who controls the Company within the meaning of Section 15 of the Act or Section 20 of the Exchange Act.

9. Termination. This Agreement shall be subject to termination in the Underwriters' absolute discretion, by written notice to the Company, if (a) after the execution and delivery of this Agreement and prior to the Closing Date (i) trading generally shall have been suspended or materially limited on or by, as the case may be, any of the New York Stock Exchange, NYSE MKT or the Nasdaq Stock Market, (ii) trading of any securities of the Company shall have been suspended on any exchange or in any over-the-counter market, (iii) a general moratorium on commercial banking activities in New York shall have been declared by either Federal or New York State authorities, or (iv) there shall have occurred any outbreak or escalation of hostilities or any change in financial markets or any calamity or crisis that, in the judgment of the Underwriters, is material and adverse and (b) in the case of any of the events specified in clauses (a)(i) through (iv), such event, singly or together with any other such event, makes it, in the judgment of the Underwriters, impracticable to market the Securities on the terms and in the manner contemplated in the Pricing Disclosure Package and Prospectus.

10. Effectiveness; Defaulting Underwriters. This Agreement shall become effective upon the execution and delivery hereof by the parties hereto.

If, on the Closing Date, any one or more of the Underwriters shall fail or refuse to purchase Securities that it or they have agreed to purchase hereunder on such date, and the aggregate principal amount of Securities which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase is not more than one-tenth of the aggregate principal amount of Securities to be purchased on such date, the other Underwriters shall be obligated severally in the proportions that the principal amount of Securities set forth opposite their respective names in Schedule I bears to the aggregate principal amount of Securities set forth opposite the names of all such non-defaulting Underwriters, or in such other proportions as you may specify, to purchase the Securities which such defaulting Underwriter or Underwriters agreed but failed or refused to purchase on such date; *provided* that in no event shall the principal amount of Securities that any Underwriter has agreed to purchase pursuant to this Agreement be increased pursuant to this Section 10 by an amount in excess of one-ninth of such principal amount of Securities without the written consent of such Underwriter. If, on the

Closing Date any Underwriter or Underwriters shall fail or refuse to purchase Securities which it or they have agreed to purchase hereunder on such date and the aggregate principal amount of Securities with respect to which such default occurs is more than one-tenth of the aggregate principal amount of Securities to be purchased on such date, and arrangements satisfactory to you and the Company for the purchase of such Securities are not made within 36 hours after such default, this Agreement shall terminate without liability on the part of any non-defaulting Underwriter or of the Company. In any such case either you or the Company shall have the right to postpone the Closing Date, but in no event for longer than seven days, in order that the required changes, if any, in the Prospectus or in any other documents or arrangements may be effected. Any action taken under this paragraph shall not relieve any defaulting Underwriter from liability in respect of any default of such Underwriter under this Agreement.

If this Agreement shall be terminated by the Underwriters, or any of them, because of any failure or refusal on the part of the Company to comply with the terms or to fulfill any of the conditions of this Agreement, or if for any reason the Company shall be unable to perform its obligations under this Agreement (except if the Company shall be unable to so perform as a result of any default by any Underwriter as contemplated above), the Company will reimburse the Underwriters or such Underwriters as have so terminated this Agreement with respect to themselves, severally, for all out-of-pocket expenses (including the fees and disbursements of their counsel) reasonably incurred by such Underwriters in connection with this Agreement or the offering contemplated hereunder.

11. Counterparts. This Agreement may be executed in any number of counterparts and by the parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

12. Applicable Law. This Agreement shall be governed by the laws of the State of New York, including, without limitation, Section 5-1401 of the New York General Obligations Law.

13. Severability. In the event that any one or more of the provisions contained herein, or the application thereof in any circumstance, is held invalid, illegal or unenforceable, the validity, legality and enforceability of any such provision in every other respect and of the remaining provisions contained herein shall not be affected or impaired thereby.

14. Section References. Unless otherwise indicated, references in this Agreement to sections are to the sections of this Agreement.

15. Headings. The headings in this Agreement are for convenience of reference only and shall not limit or otherwise affect the construction hereof.

16. Notice. All notices and other communications hereunder shall be in writing and shall be deemed to have been duly given if mailed or transmitted by any standard form of telecommunication. Notices to the Underwriters shall be directed to J.P. Morgan Securities LLC, 383 Madison Avenue, New York, New York 10179, Attention: Investment Grade Syndicate Desk – 3<sup>rd</sup> Floor (facsimile no. 212-834-6081), to Morgan Stanley & Co. LLC,

1585 Broadway, New York, New York 10036, Attention: Global Capital Markets Syndicate Desk (facsimile no. 212-761-0538), and to BNP Paribas Securities Corp. at 787 Seventh Avenue, New York, New York 10019, Attention: Syndicate Desk, new.york.syndicate@bnpparibas.com, with a copy to Shearman & Sterling LLP at 1460 El Camino Real, 2<sup>nd</sup> floor, Menlo Park, California 94025 (facsimile no. 650-838-5140), Attention: Christopher M. Forrester; notices to the Company shall be directed to it at One Amgen Center Drive, Thousand Oaks, California 91320-1799 (facsimile no. 805-499-8011), Attention: Corporate Secretary, with a copy to Latham & Watkins LLP, 650 Town Center Drive, 20<sup>th</sup> Floor, Costa Mesa, CA 92626 (facsimile no. 714-755-8290), Attention: Charles K. Ruck and Latham & Watkins LLP, 885 Third Avenue, New York, New York 10022 (facsimile no. 212-751-4864), Attention: Gregory P. Rodgers.

In accordance with the requirements of the USA Patriot Act (Title III of Pub. L. 107-56 (signed into law October 26, 2001)), the Underwriters are required to obtain, verify and record information that identifies their respective clients, including the Company, which information may include the name and address of their respective clients, as well as other information that will allow the Underwriters to properly identify their respective clients.

17. No Advisory or Fiduciary Relationship. The Company acknowledges and agrees that (a) the purchase and sale of the Securities pursuant to this Agreement, including the determination of the offering price of the Securities and any related discounts and commissions, is an arm's-length commercial transaction between the Company, on the one hand, and the several Underwriters, on the other hand, (b) in connection with the offering contemplated hereby and the process leading to such transaction each Underwriter is and has been acting solely as a principal and is not the agent or fiduciary of the Company, or its stockholders, creditors, employees or any other party, (c) no Underwriter has assumed or will assume an advisory or fiduciary responsibility in favor of the Company with respect to the offering contemplated hereby or the process leading thereto (irrespective of whether such Underwriter has advised or is currently advising the Company on other matters) and no Underwriter has any obligation to the Company with respect to the offering contemplated hereby except the obligations expressly set forth in this Agreement, (d) the Underwriters and their respective affiliates may be engaged in a broad range of transactions that involve interests that differ from those of each of the Company, and (e) the Underwriters have not provided any legal, accounting, regulatory or tax advice with respect to the offering contemplated hereby and the Company has consulted its own legal, accounting, regulatory and tax advisors to the extent it deemed appropriate.

18. Integration. This Agreement supersedes all prior agreements and understandings (whether written or oral) between the Company and the Underwriters, or any of them, with respect to the subject matter hereof.

19. Waiver of Jury Trial. The Company and each of the Underwriters hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

Very truly yours,

AMGEN INC.

By: /s/ Mary A. Lehmann

Name: Mary A. Lehmann

Title: Vice President, Finance and Treasurer

*Signature Page to Underwriting Agreement*

Accepted as of the date hereof:

J.P. MORGAN SECURITIES LLC

By: /s/ Som Bhattacharyya  
Name: Som Bhattacharyya  
Title: Executive Director

MORGAN STANLEY & CO. LLC

By: /s/ Yuri Slyz  
Name: Yuri Slyz  
Title: Executive Director

BNP PARIBAS SECURITIES CORP.

By: /s/ Rick Zellweger  
Name: Rick Zellweger  
Title: Managing Director

Acting severally on behalf of themselves and  
the several Underwriters named in  
Schedule I hereto.

*Signature Page to Underwriting Agreement*



**SCHEDULE I**

<b>UNDERWRITER</b>	<b>PRINCIPAL AMOUNT OF SECURITIES TO BE PURCHASED</b>
J.P. Morgan Securities LLC	\$ 260,000,000
Morgan Stanley & Co. LLC	\$ 220,000,000
BNP Paribas Securities Corp.	\$ 200,000,000
RBC Capital Markets, LLC	\$ 100,000,000
UBS Securities LLC	\$ 100,000,000
Barclays Capital Inc.	\$ 10,000,000
Citigroup Global Markets Inc.	\$ 10,000,000
Credit Suisse Securities (USA) LLC	\$ 10,000,000
Deutsche Bank Securities Inc.	\$ 10,000,000
Goldman Sachs & Co. LLC	\$ 10,000,000
HSBC Securities (USA) Inc.	\$ 10,000,000
Merrill Lynch, Pierce, Fenner & Smith Incorporated	\$ 10,000,000
Mizuho Securities USA LLC	\$ 10,000,000
MUFG Securities Americas Inc.	\$ 10,000,000
SMBC Nikko Securities America, Inc.	\$ 10,000,000
Wells Fargo Securities, LLC	\$ 10,000,000
Academy Securities, Inc.	\$ 10,000,000
<b>Total:</b>	<b>\$1,000,000,000</b>

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**SCHEDULE II**

(a) Issuer Free Writing Prospectuses not included in the Pricing Disclosure Package:

None.

(b) Additional Documents Incorporated by Reference:

None.

### SCHEDULE III

#### SIGNIFICANT SUBSIDIARIES

<u>Subsidiary</u>	<u>Jurisdiction of Incorporation/Formation</u>
Alantos Pharmaceuticals Holding, Inc.	Delaware
Amgen (Europe) GmbH	Switzerland
Amgen Fremont Inc.	Delaware
Amgen Global Finance B.V.	Netherlands
Amgen Holding No. 1 Limited	Bermuda
Amgen Manufacturing, Limited	Bermuda
Amgen Ilac Ticaret Limited Sirketi	Turkey
Amgen Research (Munich) GmbH	Germany
Amgen Rockville, Inc.	Delaware
Amgen SF, LLC	Delaware
Amgen Technology (Ireland)	Ireland
Amgen Technology, Limited	Bermuda
Amgen USA Inc.	Delaware
Amgen Worldwide Holdings B.V.	Netherlands
ATL Holdings Limited	Bermuda
ATL Holdings II Limited	Bermuda
BioVex, Inc.	Delaware
Immunex Corporation	Washington
Immunex Rhode Island Corporation	Delaware
Onyx Pharmaceuticals, Inc.	Delaware
Onyx Therapeutics, Inc.	Delaware

**OFFICER'S CERTIFICATE****OF****AMGEN INC.**

Dated as of November 2, 2017

The undersigned officer of the Company certifies, pursuant to resolutions duly adopted by the Board of Directors at a meeting duly held on October 27, 2017 (the "**Resolutions**"), and in accordance with Sections 2.1, 2.2 and 2.3 of the Indenture, dated as of May 22, 2014 (the "**Indenture**"; capitalized terms used herein and not otherwise defined shall have the meanings given to them in the Indenture), between Amgen Inc., a Delaware corporation (the "**Company**"), and The Bank of New York Mellon Trust Company, N.A., as trustee (the "**Trustee**"), the following matters related to the issuance of \$1,000,000,000 aggregate principal amount of the Company's 3.200% Senior Notes due 2027 (the "**Notes**");

1. Attached hereto as Annex A is a true and correct copy of a specimen note (the "**Form of Note**") representing the Notes. The Form of Note sets forth certain of the terms required to be set forth in this Certificate pursuant to Section 2.2 of the Indenture, and said terms are incorporated herein by reference.

2. The title of the Notes shall be the "3.200% Senior Notes due 2027."

3. The Notes shall be issued at the initial offering price of 99.601% of the principal amount.

4. The Company will initially issue \$1,000,000,000 aggregate principal amount of Notes (except for Notes authenticated and delivered upon registration of transfer of, in exchange for, or in lieu of, other Notes pursuant to Sections 2.7, 2.8, 2.11, 3.6 or 9.6 of the Indenture). The Company may issue additional Notes from time to time after the date hereof, and such Notes will be treated as part of the series of Notes for all purposes under the Indenture.

5. The Notes shall be issued as Global Securities only and will be exchangeable for certificated notes ("**Certificated Notes**") only if:

- (a) DTC (x) notifies the Company that it is unwilling or unable to continue as depository for the Global Securities or (y) at any time has ceased to be a clearing agency registered under the Exchange Act at a time when it is required to be registered and, in either case, the Company fails to appoint a successor depository registered as a clearing agency under the Exchange Act within 90 days of notification to the Company or the Company becoming aware of DTC's ceasing to be so registered, as the case may be;
- (b) the Company, at its option, notifies the Trustee in writing to the effect that the Company elects to cause the issuance of the Certificated Notes; or

(c) there has occurred and is continuing an Event of Default with respect to the Notes.

Certificated Notes delivered in exchange for any Global Security or beneficial interests in Global Securities will be registered in the names, and issued in any approved denominations, requested by or on behalf of the depository (in accordance with its customary procedures).

6. The Notes shall be denominated in Dollars and payments of principal and interest shall be made in Dollars.

7. In addition to the provisions set forth in Article IV of the Indenture, the following additional provisions shall apply to the Notes and shall be incorporated into the Indenture with respect to the Notes:

#### Section 4.5 **Change of Control Offer**

(a) If a Change of Control Triggering Event occurs, unless the Company has exercised its option to redeem the Notes as described in Section 5 of the Security, the Company will be required to make an offer (the “**Change of Control Offer**”) to each Holder to repurchase all or any part (equal to \$2,000 or an integral multiple of \$1,000 in excess thereof) of that Holder’s Notes on the terms set forth in such Security. In the Change of Control Offer, the Company shall be required to offer payment in cash equal to 101% of the aggregate principal amount of Notes repurchased, plus accrued and unpaid interest, if any, on the Notes repurchased to the date of repurchase (the “**Change of Control Payment**”). Within 30 days following any Change of Control Triggering Event, a notice will be provided to Holders describing the transaction that constitutes the Change of Control Triggering Event and offering to repurchase the Notes on the date specified in the notice, which date will be no earlier than 30 days and no later than 60 days from the date such notice is provided (the “**Change of Control Payment Date**”); *provided, however*, that in no event will the Change of Control Payment Date occur prior to the date 90 days following the First Issue Date.

(b) On the Change of Control Payment Date, the Company shall, to the extent lawful:

- (i) accept for payment all Notes or portions of Notes properly tendered pursuant to the Change of Control Offer;
- (ii) deposit with the Paying Agent an amount equal to the Change of Control Payment in respect of all Notes or portions of Notes properly tendered; and
- (iii) deliver or cause to be delivered to the Trustee the Notes properly accepted together with an Officer’s Certificate stating the aggregate principal amount of Notes or portions of Notes being repurchased.

(c) Notwithstanding the foregoing, the Company shall not repurchase any Notes if there has occurred and is continuing on the Change of Control Payment Date an Event of Default under the Indenture, other than a Default in the payment of the Change of Control Payment upon a Change of Control Triggering Event.

(d) The Company will comply with the requirements of Rule 14e-1 under the Exchange Act and any other securities laws and regulations thereunder to the extent those laws and regulations are applicable in connection with the repurchase of the Notes as a result of a Change of Control Triggering Event. To the extent that the provisions of any such securities laws or regulations conflict with the Change of Control Offer provisions of the Notes, the Company will comply with those securities laws and regulations and will not be deemed to have breached its obligations under the Change of Control Offer provisions of the Notes by virtue of any such conflict.

(e) For the purposes of this Section 4.5 only, the following definitions shall apply:

**“Beneficial Owner”** shall be determined in accordance with Rules 13d-3 and 13d-5 under the Exchange Act or any successor provisions, except that a Person will be deemed to have beneficial ownership of all shares that Person has the right to acquire irrespective of whether that right is exercisable immediately or only after the passage of time.

**“Change of Control”** means the occurrence of any of the following: (1) the consummation of any transaction (including, without limitation, any merger or consolidation) the result of which is that any Person or Group (other than the Company or one of its Subsidiaries) becomes the Beneficial Owner, directly or indirectly, of more than 50% of the Company’s Voting Stock or other Voting Stock into which the Company’s Voting Stock is reclassified, consolidated, exchanged or changed, measured by voting power rather than number of shares; *provided, however*, that a Person shall not be deemed Beneficial Owner of, or to own beneficially, (A) any securities tendered pursuant to a tender or exchange offer made by or on behalf of such Person or any of such Person’s affiliates until such tendered securities are accepted for purchase or exchange thereunder, or (B) any securities if such beneficial ownership (i) arises solely as a result of a revocable proxy delivered in response to a proxy or consent solicitation made pursuant to the applicable rules and regulations under the Exchange Act, and (ii) is not also then reportable on Schedule 13D (or any successor schedule) under the Exchange Act; (2) the direct or indirect sale, transfer, conveyance or other disposition (other than by way of merger or consolidation), in one or more series of related transactions, of all or substantially all of the Company’s assets and the assets of the Company’s Subsidiaries, taken as a whole, to one or more Persons or Groups (other than the Company or one of its Subsidiaries); *provided* that none of the circumstances in this clause (2) will be a Change of Control if the Persons that beneficially own the Company’s Voting Stock immediately prior to the transaction own, directly or indirectly, shares with a majority of the total voting power of all outstanding voting securities of the surviving or transferee Person that are entitled to vote generally in the election of that Person’s board of directors, managers or trustees immediately after the transaction; (3) the Company consolidates with, or merges with or into any Person, or any Person consolidates with, or merges with or into, the Company, in any such event pursuant to a transaction in which any of the Company’s outstanding Voting Stock or the Voting Stock of such other Person is converted into or exchanged for cash, securities or other property, other than such transaction where the shares of the Company’s Voting Stock outstanding immediately prior to such transaction

constitute, or are converted into or exchanged for, a majority of the Voting Stock of the surviving Person or any direct or indirect parent company of the surviving Person immediately after giving effect to such transaction; or (4) the adoption of a plan relating to the Company's liquidation or dissolution. Notwithstanding the foregoing, a transaction will not be deemed to involve a Change of Control under clause (1) above if (i) the Company becomes a direct or indirect wholly-owned subsidiary of a holding company and (ii) (A) the direct or indirect holders of the Voting Stock of such holding company immediately following that transaction are substantially the same as the holders of the Company's Voting Stock immediately prior to that transaction or (B) immediately following that transaction no Person (other than a holding company satisfying the requirements of this sentence) is the Beneficial Owner, directly or indirectly, of more than 50% of the Voting Stock of such holding company.

**"Change of Control Triggering Event"** means the occurrence of both a Change of Control and a Rating Event.

**"Group"** has the meaning given by Section 13(d) and 14(d) of the Exchange Act or any successor provisions and includes any group acting for the purpose of acquiring, holding or disposing of securities within the meaning of Rule 13d-5(b)(1) under the Exchange Act or any successor provision.

**"Investment Grade Rating"** means a rating equal to or higher than Baa3 (or the equivalent) by Moody's and BBB- (or the equivalent) by S&P, and the equivalent investment grade credit rating from any additional Rating Agency or Rating Agencies selected by the Company.

**"Moody's"** means Moody's Investors Service, Inc., and its successors.

**"Person"** has the meaning given by Section 13(d) and 14(d) of the Exchange Act or any successor provisions.

**"Rating Agencies"** means (1) each of Moody's and S&P; and (2) if either Moody's or S&P ceases to rate the Notes or fails to make a rating of the Notes publicly available for reasons outside of the Company's control, a "nationally recognized statistical rating organization" within the meaning of Section 3(a)(62) of the Exchange Act selected by the Company (as certified by a resolution of the Board of Directors) as a replacement agency for Moody's or S&P, or both of them, as the case may be.

**"Rating Event"** means the rating on the Notes is lowered by both of the Rating Agencies and the Notes are rated below an Investment Grade Rating by both of the Rating Agencies on any day during the period commencing 60 days prior to the first public notice of the occurrence of a Change of Control or the Company's intention to effect a Change of Control and ending 60 days following consummation of such Change of Control (which period will be extended so long as the rating of the Notes is under publicly announced consideration for a possible downgrade by any of the Rating Agencies).

**"S&P"** means Standard & Poor's Rating Services, a division of The McGraw-Hill Companies, Inc., and its successors.

“**Voting Stock**” as applied to stock of any Person, means shares, interests, participations or other equivalents in the equity interest (however designated) in such Person having ordinary voting power for the election of a majority of the directors (or the equivalent) of such Person, other than shares, interests, participations or other equivalents having such power only by reason of the occurrence of a contingency.

#### Section 4.6 **Limitation on Liens.**

(a) The Company shall not, nor shall it permit any of its Subsidiaries to, create or incur any Lien on any of their respective Properties, whether now owned or hereafter acquired, or upon any income or profits therefrom, in order to secure any Indebtedness of the Company, without effectively providing that the Notes shall be equally and ratably secured until such time as such Indebtedness is no longer secured by such Lien, except:

(1) Liens existing as of the First Issue Date;

(2) Liens granted after the First Issue Date on any of the Company or any of its Subsidiaries’ Properties securing Indebtedness of the Company created in favor of the Holders of the Notes;

(3) Liens securing Indebtedness of the Company which are incurred to extend, renew or refinance Indebtedness which is secured by Liens permitted to be incurred under the Indenture; *provided* that those Liens do not extend to or cover any of the Company or any of its Subsidiaries’ Property other than the Property securing the Indebtedness being refinanced and that the principal amount of such Indebtedness does not exceed the principal amount of the Indebtedness being refinanced;

(4) Liens created in substitution of or as replacements for any Liens permitted by the preceding clauses (1) through (3) directly above, *provided* that, based on a good faith determination of an Officer of the Company, the Property encumbered under any such substitute or replacement Lien is substantially similar in nature to the Property encumbered by the otherwise permitted Lien which is being replaced; and

(5) Permitted Liens.

(b) Notwithstanding the foregoing, the Company and any of its Subsidiaries may, without securing the Notes, create or incur Liens which would otherwise be subject to the restrictions set forth in the preceding paragraph, if after giving effect thereto, Exempted Debt does not exceed the greater of (x) 35% of Consolidated Net Worth calculated as of the date of the creation or incurrence of the Lien or (y) 35% of Consolidated Net Worth calculated as of the First Issue Date.

#### Section 4.7 **Limitation on Sale and Lease-Back Transactions.**

(a) The Company shall not and shall not permit any of its Subsidiaries to, enter into any sale and lease-back transaction for the sale and leasing back of any Property, whether now owned or hereafter acquired, of the Company or any Subsidiary of the Company, unless:

(1) such transaction was entered into prior to the First Issue Date;



(2) such transaction was for the sale and leasing back of any Property by a Subsidiary of the Company to the Company;

(3) such transaction involves a lease for less than three years;

(4) the Company would be entitled to incur Indebtedness secured by a mortgage on the property to be leased in an amount equal to the Attributable Liens with respect to such sale and lease-back transaction without equally and ratably securing the Notes pursuant to Section 4.6; or

(5) the Company applies an amount equal to the fair value of the proceeds of the Property sold to the purchase of Property or to the retirement of long-term Indebtedness of the Company or any of its Subsidiaries within 120 days of the effective date of any such sale and lease-back transaction. In lieu of applying such amount to such retirement, the Company may, or may cause any of its Subsidiaries to, deliver debt securities to the Trustee therefor for cancellation, such debt securities to be credited at the cost thereof to the Company.

(b) Notwithstanding the foregoing, the Company and any of its Subsidiaries may enter into any sale and lease-back transaction which would otherwise be subject to the foregoing restrictions if after giving effect thereto and at the time of determination, Exempted Debt does not exceed the greater of (a) 35% of Consolidated Net Worth calculated as of the closing date of the sale and lease-back transaction or (b) 35% of Consolidated Net Worth calculated as of the First Issue Date.

8. In addition to the definitions set forth in Article I of the Indenture, the Notes shall include the following additional definitions, which, in the event of a conflict with the definition of terms in the Indenture, shall control:

“**Attributable Liens**” means in connection with a sale and lease-back transaction the lesser of:

(1) the fair market value of the assets subject to such transaction; and

(2) the present value (discounted at a rate per annum equal to the average interest borne by all outstanding debt securities issued under the Indenture (which may include debt securities in addition to the Notes) determined on a weighted average basis and compounded semi-annually) of the obligations of the lessee for rental payments during the term of the related lease.

“**Business Day**” means any day except a Saturday, Sunday or a legal holiday in the City of New York, New York (or in connection with any payment, the place of payment) on which banking institutions are authorized or required by law, regulation or executive order to close.

“**Capital Lease**” means any Indebtedness represented by a lease obligation of a Person incurred with respect to real property or equipment acquired or leased by such Person and used in its business that is required to be recorded as a capital lease in accordance with GAAP.

**“Consolidated Net Worth”** means, as of any date of determination, the Stockholders’ Equity of the Company and its Consolidated Subsidiaries on that date.

**“Consolidated Subsidiary”** means, as of any date of determination and with respect to any Person, any Subsidiary of that Person whose financial data is, in accordance with GAAP, reflected in that Person’s consolidated financial statements.

**“Credit Facilities”** means, one or more debt facilities (including, without limitation, the Revolving Credit Agreement) or commercial paper facilities, in each case, with banks or other institutional lenders providing for revolving credit loans, term loans, receivables financing (including through the sale of receivables to such lenders or to special purpose entities formed to borrow from such lenders against such receivables) or letters of credit, in each case, as amended, restated, modified, renewed, refunded, replaced (whether upon or after termination or otherwise) or refinanced (including by means of sales of debt securities to institutional investors) in whole or in part from time to time.

**“Exempted Debt”** means the sum of the following as of the date of determination:

(1) Indebtedness of the Company incurred after the First Issue Date and secured by Liens not permitted by Section 4.6(a) above; and

(2) Attributable Liens of the Company and any of its Subsidiaries in respect of sale and lease-back transactions entered into after the First Issue Date pursuant to Section 4.7(b) above.

**“First Issue Date”** means November 2, 2017.

**“GAAP”** means accounting principles generally accepted in the United States set forth in the Accounting Standards Codification of the Financial Accounting Standards Board or in such other documents by such other entity as have been approved by a significant segment of the accounting profession, which are in effect as of the date of determination.

**“Governmental Agency”** means:

(1) any foreign, federal, state, county or municipal government, or political subdivision thereof;

(2) any governmental or quasi-governmental agency, authority, board, bureau, commission, department, instrumentality or public body;

(3) any court or administrative tribunal; and

(4) with respect to any Person, any arbitration tribunal or other nongovernmental authority to whose jurisdiction that Person has consented.

**“Hedging Obligations”** means, with respect to any specified Person, the obligations of such Person under:

(1) interest rate swap agreements (whether from fixed to floating or from floating to fixed), interest rate cap agreements and interest rate collar agreements;

(2) other agreements or arrangements designed to manage interest rates or interest rate risk; and

(3) other agreements or arrangements designed to protect such Person against fluctuations in currency exchange rates or commodity prices.

**“Indebtedness”** of any Person means, without duplication, any indebtedness, whether or not contingent, in respect of borrowed money or evidenced by bonds, notes, debentures or similar instruments or letters of credit (or reimbursement agreements with respect thereto) or representing the balance deferred and unpaid of the purchase price of any Property (including pursuant to Capital Leases), except any such balance that constitutes an accrued expense or trade payable, if and to the extent any of the foregoing indebtedness would appear as a liability upon a balance sheet of such Person prepared on a consolidated basis in accordance with GAAP (but does not include contingent liabilities which appear only in a footnote to a balance sheet), and shall also include, to the extent not otherwise included, the guaranty of items which would be included within this definition.

**“Laws”** means, collectively, all foreign, federal, state and local statutes, treaties, rules, regulations, ordinances, codes and administrative or controlling precedents of any Governmental Agency.

**“Lien”** means any lien, security interest, charge or encumbrance of any kind (including any conditional sale or other title retention agreement, any lease in the nature thereof, and any agreement to give any security interest).

**“Make-Whole Amount”** means the excess of (1) the net present value, on the redemption date, of the principal being redeemed or paid and the amount of interest (exclusive of interest accrued to the date of redemption) that would have been payable if such redemption had not been made (calculated as if the maturity date of the Notes was the par call date, over (2) the aggregate principal amount of the Notes being redeemed or paid. Net present value shall be determined by discounting, on a semi-annual basis, such principal and interest at the Reinvestment Rate (as determined on the third Business Day preceding the date of redemption) from the respective dates on which such principal and interest would have been payable if such redemption had not been made.

**“Permitted Liens”** means:

(1) Liens securing Indebtedness under Credit Facilities;

(2) Liens on accounts receivable, merchandise inventory, equipment, and patents, trademarks, trade names and other intangibles, securing Indebtedness of the Company;

(3) Liens on any assets of the Company, any of its Subsidiaries’ assets, or the assets of any joint venture to which the Company or any of its Subsidiaries is a party, created solely to secure obligations incurred to finance the refurbishment, improvement or construction of such asset, which obligations are incurred no later than 24 months after completion of such refurbishment, improvement or construction, and all renewals, extensions, refinancings, replacements or refundings of such obligations;

(4) (a) Liens given to secure the payment of the purchase price incurred in connection with the acquisition (including acquisition through merger or consolidation) of Property (including shares of stock), including Capital Lease transactions in connection with any such acquisition, and (b) Liens existing on Property at the time of acquisition thereof or at the time of acquisition by the Company or one of its Subsidiaries of any Person then owning such Property whether or not such existing Liens were given to secure the payment of the purchase price of the Property to which they attach; *provided* that, with respect to clause (a), the Liens shall be given within 24 months after such acquisition and shall attach solely to the Property acquired or purchased and any improvements then or thereafter placed thereon;

(5) Liens in favor of customs and revenue authorities arising as a matter of law to secure payment of customs duties in connection with the importation of goods;

(6) Liens upon specific items of inventory or other goods and proceeds of any Person securing such Person's obligations in respect of bankers' acceptances issued or created for the account of such Person to facilitate the purchase, shipment or storage of such inventory or other goods;

(7) Liens securing reimbursement obligations with respect to letters of credit that encumber documents and other Property relating to such letters of credit and the products and proceeds thereof;

(8) Liens on key-man life insurance policies granted to secure Indebtedness of the Company against the cash surrender value thereof;

(9) Liens encumbering customary initial deposits and margin deposits and other Liens in the ordinary course of business, in each case securing Hedging Obligations and forward contract, option, futures contracts, futures options or similar agreements or arrangements designed to protect the Company or any of its Subsidiaries from fluctuations in interest rates, currencies or the price of commodities;

(10) Liens arising out of conditional sale, title retention, consignment or similar arrangements for the sale of goods entered into by Company or any of its Subsidiaries in the ordinary course of business;

(11) pre-existing Liens on assets acquired by the Company or any of its Subsidiaries after the First Issue Date;

(12) Liens in favor of the Company or in favor of any of its Subsidiaries;

(13) inchoate Liens incident to construction or maintenance of real property, or Liens incident to construction or maintenance of real property, now or hereafter filed of record for sums not yet delinquent or being contested in good faith, if reserves or other appropriate provisions, if any, as shall be required by GAAP shall have been made therefore;

(14) statutory Liens arising in the ordinary course of business with respect to obligations which are not delinquent or are being contested in good faith, if reserves or other appropriate provisions, if any, as shall be required by GAAP shall have been made therefore;

(15) Liens consisting of pledges or deposits to secure obligations under workers' compensation laws or similar legislation, including Liens of judgments thereunder which are not currently dischargeable;

(16) Liens consisting of pledges or deposits of Property to secure performance in connection with operating leases made in the ordinary course of business to which Company or any of its Subsidiaries is a party as lessee, *provided* the aggregate value of all such pledges and deposits in connection with any such lease does not at any time exceed 16  $\frac{2}{3}$ % of the annual fixed rentals payable under such lease;

(17) Liens consisting of deposits of Property to secure statutory obligations of the Company or statutory obligations of any of its Subsidiaries in the ordinary course of its business;

(18) Liens consisting of deposits of Property to secure (or in lieu of) surety, appeal or customs bonds in proceedings to which the Company or any of its Subsidiaries is a party in the ordinary course of its business, but not in excess of \$75,000,000;

(19) purchase money Liens or purchase money security interests upon or in any Property acquired or held by Company or any of its Subsidiaries in the ordinary course of business to secure the purchase price of such Property or to secure Indebtedness incurred solely for the purpose of financing the acquisition of such Property;

(20) Liens on an asset created in connection with the acquisition, construction or development of additions, extensions or improvements to such asset which shall be financed by obligations described in Sections 142, 144(a) or 144(c) of the Internal Revenue Code of 1986, as amended, or by obligations entitled to substantially similar tax benefits under other legislation or regulations in effect from time to time; and

(21) Liens on Property subject to escrow or similar arrangements established in connection with litigation settlements.

“**Person**” means any individual, corporation, partnership, joint venture, association, limited liability company, joint-stock company, trust, unincorporated organization or government or any agency or political subdivision thereof.

“**Property**” means any property or asset, whether real, personal or mixed, or tangible or intangible.

“**Reinvestment Rate**” means 0.15%, plus the weekly yield for the most recent week set forth in the most recent Statistical Release for the constant maturity U.S. Treasury security (rounded to the nearest month) corresponding to the remaining life to maturity, as of the payment date of the principal being redeemed or paid. If no maturity exactly corresponds to such maturity, yields for the two published maturities most closely corresponding to such maturity shall be calculated pursuant to the immediately preceding sentence and the Reinvestment Rate shall be

interpolated or extrapolated from such yields on a straight-line basis, rounding in each of such relevant periods to the nearest month. For the purpose of calculating the Reinvestment Rate, the most recent Statistical Release published prior to the date of determination of the Make-Whole Amount shall be used.

**“Revolving Credit Agreement”** means the Amended and Restated Credit Agreement, dated as of July 30, 2014, among the Company, the banks therein named, Citibank, N.A., as administrative agent, JPMorgan Chase Bank, N.A., as syndication agent, and Citigroup Global Markets Inc., J.P. Morgan Securities LLC, Barclays Bank PLC, Merrill Lynch, Pierce, Fenner & Smith Incorporated, Morgan Stanley Senior Funding, Inc. and Goldman Sachs Bank USA, as joint lead arrangers and joint book runners, as such agreement may be amended (including any amendment, restatement, refinancing and successors thereof), supplemented or otherwise modified from time to time, including any increase in the principal amount of the obligations thereunder.

**“Statistical Release”** means the statistical release designated “H.15” or any comparable online data source or publication which is made available by the Federal Reserve System and which establishes yields on actively traded U.S. government securities adjusted to constant maturities, or, if such Statistical Release is not published at the time of any determination under the Indenture, then such other reasonably comparable index which shall be designated by the Company.

**“Stockholders’ Equity”** means, as of any date of determination, stockholders’ equity as of that date determined in accordance with GAAP; *provided* that there shall be excluded from Stockholders’ Equity any amount attributable to capital stock that is, directly or indirectly, required to be redeemed or repurchased by the issuer thereof at a specified date or upon the occurrence of specified events or at the election of the holder thereof.

**“Subsidiary”** of any specified person means any corporation, association or other business entity of which more than 50% of the total voting power of shares of capital stock entitled (without regard to the occurrence of any contingency) to vote in the election of directors, managers or trustees thereof is at the time owned or controlled, directly or indirectly, by such person or one or more of the other Subsidiaries of that person or a combination thereof.

9. Section 9.1(h) of the Indenture shall be amended and restated solely with respect to the Notes as follows:

(h) to make any change that does not adversely affect the rights of any Securityholder in any material respect;

10. The Depository for the Notes shall be The Depository Trust Company (“**DTC**”).

11. The undersigned is authorized to approve the form, terms and conditions of the Notes.

12. The undersigned has read the provisions of the Indenture, including the covenants and conditions precedent, pertaining to the issuance of the Notes.

13. In connection with this Certificate, the undersigned has examined the documents, corporate records and certificates and has made such inquiries of the other officers of the Company, which he or she has deemed necessary to enable him or her to express an informed opinion as to whether or not such comments and conditions have been complied with.

14. In the opinion of the undersigned, all of the conditions and covenants related to the issuance of the Notes have been complied with.

*[Signature follows]*

**IN WITNESS WHEREOF**, the undersigned has executed this Officer's Certificate as of the date first set forth above.

By: /s/ Mary A. Lehmann

Name: Mary A. Lehmann

Title: Vice President, Finance and Treasurer



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**Annex A**  
**Form of Note**

**3.200% Senior Notes due 2027**

No. \_\_\_\_\_

\$ \_\_\_\_\_

**AMGEN INC.**

promises to pay to CEDE & CO. or registered assigns,

the principal sum of \_\_\_\_\_ **DOLLARS** on November 2, 2027.

Interest Payment Dates: May 2 and November 2

Record Dates: 15<sup>th</sup> day prior to May 2 and November 2

Dated: \_\_\_\_\_

AMGEN INC.

By: \_\_\_\_\_  
Name:  
Title:

This is one of the Notes referred to  
in the within-mentioned Indenture:

**THE BANK OF NEW YORK MELLON  
TRUST COMPANY, N.A.**, as Trustee

By: \_\_\_\_\_  
Authorized Officer

Authentication Date: \_\_\_\_\_

[REVERSE SIDE OF NOTE]  
3.200% SENIOR NOTES DUE 2027

THIS SECURITY IS A GLOBAL SECURITY WITHIN THE MEANING OF THE INDENTURE HEREINAFTER REFERRED TO AND IS REGISTERED IN THE NAME OF THE DEPOSITORY OR A NOMINEE OF THE DEPOSITORY. THIS SECURITY IS EXCHANGEABLE FOR SECURITIES REGISTERED IN THE NAME OF A PERSON OTHER THAN THE DEPOSITORY OR ITS NOMINEE ONLY IN THE LIMITED CIRCUMSTANCES DESCRIBED IN THE INDENTURE, AND MAY NOT BE TRANSFERRED EXCEPT AS A WHOLE BY THE DEPOSITORY TO A NOMINEE OF THE DEPOSITORY, BY A NOMINEE OF THE DEPOSITORY TO THE DEPOSITORY OR ANOTHER NOMINEE OF THE DEPOSITORY OR BY THE DEPOSITORY OR ANY SUCH NOMINEE TO A SUCCESSOR DEPOSITORY OR A NOMINEE OF SUCH A SUCCESSOR DEPOSITORY.

UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY TO THE ISSUER OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY CERTIFICATE ISSUED IS REGISTERED IN THE NAME OF CEDE & CO. OR IN SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY (AND ANY PAYMENT HEREON IS MADE TO CEDE & CO. OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF THE DEPOSITORY TRUST COMPANY), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL SINCE THE REGISTERED OWNER HEREOF, CEDE & CO., HAS AN INTEREST HEREIN.

Capitalized terms used herein have the meanings assigned to them in the Indenture referred to below unless otherwise indicated.

- (1) INTEREST. Amgen Inc., a Delaware corporation (the “**Company**”), promises to pay interest on the principal amount of this Note at 3.200% per annum from November 2, 2017 until maturity. The Company will pay interest in cash semi-annually in arrears on May 2 and November 2 of each year, or if any such day is not a Business Day, on the next succeeding Business Day (each, an “**Interest Payment Date**”). Interest on the Notes will accrue from the most recent date to which interest has been paid or, if no interest has been paid, from the date of issuance; *provided* that the first Interest Payment Date shall be May 2, 2018; *provided further* that after May 2, 2018, if there is no existing Default in the payment of interest, and if this Note is authenticated between a record date referred to on the face hereof and the next succeeding Interest Payment Date, interest shall accrue from such next succeeding Interest Payment Date. The interest rate will be computed on the basis of a 360-day year of twelve 30-day calendar months.
- (2) METHOD OF PAYMENT. The Company will pay interest on the Notes (except defaulted interest) to the Persons who are registered Holders of Notes at the close of business on the day that is 15 days prior to the next succeeding Interest Payment Date (whether or not such day is a Business Day), even if such Notes are canceled after such record date and on or before such Interest Payment Date, except as provided in Section 2.13 of the Indenture with respect to defaulted interest. The Notes will be payable as to principal and interest at the office or agency of the Company maintained for such purpose in the Borough of Manhattan, the City and State of New York (or, if the Company fails to maintain such office or agency, at the corporate trust office of the trustee in New York, New York or if the trustee does not maintain an office in New York, at the office of a

paying agent in New York), or, at the option of the Company, payment of interest may be made by check mailed to the Holders at their addresses set forth in the register of Holders; *provided* that payment by wire transfer of immediately available funds will be required with respect to principal of and interest on all Global Securities and all other Notes the Holders of which will have provided wire transfer instructions to the Company or the Paying Agent. Such payment will be in the currency of the United States of America.

- (3) **PAYING AGENT AND REGISTRAR.** Initially, The Bank of New York Mellon Trust Company, N.A., the Trustee under the Indenture, will act as Paying Agent and Registrar. The Company may change any Paying Agent or Registrar without notice to any Holder. The Company or any of its Subsidiaries may act in any such capacity.
- (4) **INDENTURE.** The terms of the Notes include those stated in the Indenture dated May 22, 2014, between the Company and the Trustee (the “**Indenture**”), and those made part of the Indenture by the Officer’s Certificate dated November 2, 2017, delivered pursuant thereto (the “**Officer’s Certificate**”) and the TIA. The Notes are subject to all such terms, and the Holders are referred to the Indenture and the TIA for a statement of them.
- (5) **OPTIONAL REDEMPTION.** At any time prior to maturity, the Company will have the option to redeem all or a part of the Notes upon not less than 15 nor more than 60 days’ notice. If the Notes are redeemed before August 2, 2027 (three months prior to the maturity date of the Notes), the redemption price will equal the sum of (1) 100% of the principal amount of any Notes being redeemed, plus accrued and unpaid interest to, but not including, the redemption date, and (2) the Make-Whole Amount. If the Notes are redeemed on or after August 2, 2027 (three months prior to the maturity date of the Notes), the redemption price will equal 100% of the principal amount being redeemed, plus accrued and unpaid interest to, but not including, the redemption date. Unless the Company defaults in the payment of the redemption price, interest will cease to accrue on the Notes or portions thereof called for redemption on the applicable redemption date.
- (6) **NOTICE OF REDEMPTION.** Notice of redemption will be mailed at least 15 days but not more than 60 days before the redemption date to each Holder whose Notes are to be redeemed at its registered address, except that redemption notices may be mailed more than 60 days prior to a redemption date if the notice is issued in connection with a defeasance of the Notes or a satisfaction or discharge of the Indenture. Notes in denominations larger than \$2,000 may be redeemed in part but only in whole multiples of \$1,000, unless all of the Notes held by a Holder are to be redeemed.
- (7) **MANDATORY REDEMPTION.** Except as provided in Section 8 below, the Company is not required to make mandatory redemption or sinking fund payments with respect to the Notes.
- (8) **CHANGE OF CONTROL TRIGGERING EVENT.** In the event of a Change of Control Triggering Event, the Holders may require the Company to purchase for cash all or a portion of their Notes at a purchase price equal to 101% of the principal amount of the notes, plus accrued and unpaid interest, if any, pursuant to the provisions of Section 7 of the Officer’s Certificate.

- (9) **DEFEASANCE PRIOR TO MATURITY.** The Indenture contains provisions for defeasance of (i) the entire indebtedness of the Notes or (ii) certain covenants and Events of Default with respect to the Notes, in each case upon compliance with certain conditions set forth therein.
- (10) **RESTRICTIVE COVENANTS.** The Indenture and the Officer's Certificate impose certain limitations on the Company and its Subsidiaries, including limitations on the Company's and its Subsidiaries' ability to create or incur certain Liens on any of their respective properties or assets and to enter into certain sale and lease-back transactions and on the Company's ability to engage in mergers or consolidations or the conveyance, transfer or lease of all or substantially all of its properties and assets. These limitations are subject to a number of important qualifications and exceptions and reference is made to the Indenture and the Officer's Certificate for a description thereof.
- (11) **DENOMINATIONS, TRANSFER, EXCHANGE.** The Notes are in registered form without coupons in denominations of \$2,000 and integral multiples of \$1,000. The transfer of Notes may be registered and Notes may be exchanged as provided in the Indenture. The Registrar and the Trustee may require a Holder, among other things, to furnish appropriate endorsements and transfer documents and the Company may require a Holder to pay any taxes and fees required by law or permitted by the Indenture. The Company need not exchange or register the transfer of any Note or portion of a Note selected for redemption, except for the unredeemed portion of any Note being redeemed in part. Also, the Company need not exchange or register the transfer of any Notes for a period of 15 days before a selection of Notes to be redeemed or during the period between a record date and the corresponding Interest Payment Date.
- (12) **PERSONS DEEMED OWNERS.** The registered Holder of a Note may be treated as its owner for all purposes.
- (13) **AMENDMENT, SUPPLEMENT AND WAIVER.** Subject to certain exceptions, the Indenture or the Notes may be amended or supplemented with the consent of the Holders of at least a majority in aggregate principal amount of the then outstanding Notes voting as a single class, and any existing Default or Event or Default or compliance with any provision of the Indenture or the Notes may be waived with the consent of the Holders of a majority in aggregate principal amount of the then outstanding Notes voting as a single class. Without the consent of any Holder of a Note, the Indenture or the Notes may be amended or supplemented to cure any ambiguity, defect or inconsistency; to comply with Article V of the Indenture; to provide for uncertificated Notes in addition to or in place of certificated Notes; to add guarantees with respect to the Notes or secure the Notes; to surrender any of the Company's rights or powers under the Indenture; to add covenants or events of default for the benefit of the Holders of the Notes; to comply with the applicable procedures of the applicable depository; to make any change that would not adversely affect the rights under the Indenture of any such Holder in any material respect; to provide for the issuance of and establish the form and terms and conditions of Notes of any series as permitted by the Indenture; to evidence and provide for the acceptance of appointment under the Indenture by a successor trustee with respect to the Notes and to add to or change any of the provisions of the Indenture necessary to provide for the administration of the trusts in the Indenture by more than one trustee; or to comply with the requirements of the SEC in order to effect or maintain the qualification of the Indenture under the TIA. No amendment to cure any ambiguity, defect or inconsistency in the Indenture made solely to conform the Indenture to the description of notes contained in the Prospectus Supplement related to the Notes, dated October 31, 2017, will be deemed to adversely affect the interests of the Holders of the Notes.

- (14) **DEFAULTS AND REMEDIES.** If an Event of Default shall occur and be continuing, the principal of the Notes may be declared (or, in certain cases, shall ipso facto become) due and payable in the manner and with the effect provided in the Indenture.
- (15) **TRUSTEE DEALINGS WITH COMPANY.** The Trustee under the Indenture, in its individual or any other capacity, may deal with the Company or an Affiliate of the Company with the same rights it would have if it were not Trustee.
- (16) **NO RECOURSE AGAINST OTHERS.** A director, officer, employee or stockholder of the Company shall not have any liability for any obligations of the Company under the Notes or the Indenture or for any claim based on, in respect of, or by reason of, such obligations or their creation. Each Holder by accepting a Note waives and releases all such liability. The waiver and release are part of the consideration for the issuance of the Notes.
- (17) **AUTHENTICATION.** This Note will not be valid until authenticated by the manual signature of the Trustee or an authenticating agent.
- (18) **ABBREVIATIONS.** Customary abbreviations may be used in the name of a Holder or an assignee, such as: TEN COM (= tenants in common), TEN ENT (= tenants by the entireties), JT TEN (= joint tenants with right of survivorship and not as tenants in common), CUST (= Custodian), and U/G/M/A (= Uniform Gifts to Minors Act).
- (19) **CUSIP NUMBERS.** Pursuant to a recommendation promulgated by the Committee on Uniform Security Identification Procedures, the Company has caused CUSIP numbers to be printed on the Notes, and the Trustee may use CUSIP numbers in notices of redemption as a convenience to Holders. No representation is made as to the accuracy of such numbers either as printed on the Notes or as contained in any notice of redemption, and reliance may be placed only on the other identification numbers placed thereon.
- (20) **GOVERNING LAW. THE INDENTURE AND THIS NOTE, INCLUDING ANY CLAIM OR CONTROVERSY ARISING OUT OF OR RELATED TO THE INDENTURE OR THIS NOTE, SHALL BE GOVERNED BY THE LAWS OF THE STATE OF NEW YORK.**

The Company will furnish to any Holder upon written request and without charge a copy of the Indenture and/or the Officer's Certificate.

***Requests may be made to:***

Amgen Inc.  
One Amgen Center Drive  
Thousand Oaks, CA 91320-1799  
Attention: Investor Relations

**ASSIGNMENT FORM**

To assign this Note, fill in the form below:

(I) or (we) assign and transfer this Note to: \_\_\_\_\_  
(Insert assignee's legal name)

\_\_\_\_\_  
(Insert assignee's soc. sec. or tax I.D. no.)

\_\_\_\_\_  
(Print or type assignee's name, address and zip code)

and irrevocably appoint \_\_\_\_\_ to transfer this Note on the books of the Company. The agent may substitute another to act for him.

Date: \_\_\_\_\_

Your Signature: \_\_\_\_\_  
(Sign exactly as your name appears on the face of this Note)

Signature Guarantee\*: \_\_\_\_\_

\* Participant in a recognized Signature Guarantee Medallion Program (or other signature guarantor acceptable to the Trustee).

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 885 Third Avenue  
 New York, New York 10022-4834  
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 www.lw.com  
 FIRM / AFFILIATE OFFICES

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Frankfurt	San Francisco
Hamburg	Seoul
Hong Kong	Shanghai
Houston	Silicon Valley
London	Singapore
Los Angeles	Tokyo
Madrid	Washington, D.C.
Milan	

November 2, 2017

Amgen Inc.  
 One Amgen Center Drive  
 Thousand Oaks, CA 91320

Re: Registration Statement No. 333-216060; \$1,000,000,000 Aggregate  
 Principal Amount of 3.200% Senior Notes due 2027

Ladies and Gentlemen:

We have acted as special counsel to Amgen Inc., a Delaware corporation (the “*Company*”), in connection with the issuance of \$1,000,000,000 aggregate principal amount of 3.200% Senior Notes due 2027 (the “*Notes*”), under an Indenture, dated as of May 22, 2014 (the “*Indenture*”), between the Company and The Bank of New York Mellon Trust Company, N.A., as trustee (the “*Trustee*”), and an officer’s certificate, dated November 2, 2017, setting forth the terms of the Notes (the “*Officer’s Certificate*”), and pursuant to a registration statement on Form S-3 under the Securities Act of 1933, as amended (the “*Act*”), filed with the Securities and Exchange Commission (the “*Commission*”) on February 14, 2017 (Registration No. 333-216060) (as so filed and amended, the “*Registration Statement*”), a base prospectus, dated February 14, 2017, included in the Registration Statement at the time it originally became effective (the “*Base Prospectus*”), a final prospectus supplement, dated October 31, 2017, filed with the Commission pursuant to Rule 424(b) under the Act on November 1, 2017 (together with the Base Prospectus, the “*Prospectus*”), and an underwriting agreement, dated October 31, 2017, between the underwriters named therein and the Company (the “*Underwriting Agreement*”).

This opinion is being furnished in connection with the requirements of Item 601(b)(5) of Regulation S-K under the Act, and no opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement or related Prospectus, other than as expressly stated herein with respect to the issuance of the Notes.



**LATHAM & WATKINS** LLP

As such counsel, we have examined such matters of fact and questions of law as we have considered appropriate for purposes of this letter. With your consent, we have relied upon certificates and other assurances of officers of the Company and others as to factual matters without having independently verified such factual matters. We are opining herein as to the internal laws of the State of New York and the General Corporation Law of the State of Delaware, and we express no opinion with respect to the applicability thereto, or the effect thereon, of the laws of any other jurisdiction or, in the case of Delaware, any other laws, or as to any matters of municipal law or the laws of any local agencies within any state.

Subject to the foregoing and the other matters set forth herein, it is our opinion that, as of the date hereof, the Notes have been duly authorized by all necessary corporate action of the Company and, when the Notes have been duly executed, authenticated, issued and delivered against payment therefor in accordance with the terms of the Indenture and in the manner contemplated by the Underwriting Agreement, the Notes will be the legally valid and binding obligations of the Company, enforceable against the Company in accordance with their terms.

Our opinion is subject to: (i) the effect of bankruptcy, insolvency, reorganization, fraudulent transfer, moratorium or other similar laws relating to or affecting the rights and remedies of creditors; (ii) the effect of general principles of equity, whether enforcement is considered in a proceeding in equity or at law (including the possible unavailability of specific performance or injunctive relief), concepts of materiality, reasonableness, good faith and fair dealing, and the discretion of the court before which any proceeding may be brought; (iii) the invalidity under certain circumstances under law or court decisions of provisions providing for the indemnification of or contribution to a party with respect to a liability where such indemnification or contribution is contrary to public policy; and (iv) we express no opinion with respect to: (a) any provision for liquidated damages, default interest, late charges, monetary penalties, make-whole premiums or other economic remedies to the extent such provisions are deemed to constitute a penalty; (b) consents to, or restrictions upon, governing law, jurisdiction, venue, arbitration, remedies or judicial relief; (c) the waiver of rights or defenses contained in Section 4.4 of the Indenture; (d) any provision requiring the payment of attorneys' fees, where such payment is contrary to law or public policy; (e) any provision permitting, upon acceleration of the Notes, collection of that portion of the stated principal amount thereof which might be determined to constitute unearned interest thereon; (f) advance waivers of claims, defenses, rights granted by law, or notice, opportunity for hearing, evidentiary requirements, statutes of limitation, trial by jury or at law or other procedural rights; (g) waivers of broadly or vaguely stated rights; (h) provisions for exclusivity, election or cumulation of rights or remedies; (i) provisions authorizing or validating conclusive or discretionary determinations; (j) grants of setoff rights; (k) proxies, powers and trusts; (l) provisions prohibiting, restricting or requiring consent to assignment or transfer of any right or property; and (m) the severability, if invalid, of provisions to the foregoing effect.

With your consent, we have assumed (a) that the Indenture, the Officer's Certificate and the Notes (collectively, the "**Documents**") have been duly authorized, executed and delivered by the parties thereto other than the Company, (b) that the Documents constitute legally valid and binding obligations of the parties thereto other than the Company, enforceable against each of them in accordance with their respective terms, and (c) that the status of the Documents as legally valid and binding obligations of the parties is not affected by any (i) breaches of, or defaults under, agreements or instruments, (ii) violations of statutes, rules, regulations or court or governmental orders or (iii) failures to obtain required consents, approvals or authorizations from, or make required registrations, declarations or filings with, governmental authorities.

**LATHAM & WATKINS** LLP

This opinion is for your benefit in connection with the Registration Statement and may be relied upon by you and by persons entitled to rely upon it pursuant to the applicable provisions of the Act. We consent to your filing this opinion as an exhibit to the Company's Form 8-K dated November 2, 2017 and to the reference to our firm contained in the Prospectus under the heading "Validity of the Notes." In giving such consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission thereunder.

Very truly yours,

/s/ LATHAM & WATKINS LLP

**AMGEN INC.**  
**COMPUTATION OF RATIO OF EARNINGS TO FIXED CHARGES**  
(Dollars in millions)

	Nine months ended September 30,	Years Ended December 31,				
	2017	2016	2015	2014	2013	2012
<b>Computation of Earnings:</b>						
Income before taxes	\$ 7,383	\$ 9,163	\$7,978	\$5,585	\$5,265	\$5,009
Net interest expense	972	1,260	1,095	1,071	1,022	1,053
Interest portion of operating lease expense	35	45	45	47	47	45
Equity in (earnings) losses of 50%-or-less owned companies accounted for under the equity method	(50)	(58)	(65)	(30)	6	24
Earnings	<u>\$ 8,340</u>	<u>\$10,410</u>	<u>\$9,053</u>	<u>\$6,673</u>	<u>\$6,340</u>	<u>\$6,131</u>
<b>Computation of Fixed Charges:</b>						
Net interest expense	\$ 972	\$ 1,260	\$1,095	\$1,071	\$1,022	\$1,053
Capitalized interest	13	15	12	18	18	26
Interest portion of operating lease expense	35	45	45	47	47	45
Fixed Charges	<u>\$ 1,020</u>	<u>\$ 1,320</u>	<u>\$1,152</u>	<u>\$1,136</u>	<u>\$1,087</u>	<u>\$1,124</u>
<b>Ratio of Earnings to Fixed Charges:</b>	8.2x	7.9x	7.9x	5.9x	5.8x	5.5x

These computations include Amgen and its consolidated subsidiaries. For these ratios, "earnings" is computed by adding income before income taxes and fixed charges (excluding capitalized interest), excluding our share of income/losses in equity method affiliates and including distributions from our affiliate, Kirin-Amgen, Inc. Fixed charges consist of (i) interest expense, which includes amortized premiums, discounts and capitalized expenses related to indebtedness, (ii) capitalized interest, (iii) a reasonable approximation of the interest factor deemed to be included in rental expense and (iv) preference security dividend requirements of consolidated subsidiaries, which were not material. Fixed charges exclude any interest related to unrecognized tax benefits, which is included in the provision for income taxes in our Consolidated Statements of Income.