PENGROWTH ENERGY Corp Form 6-K March 08, 2018

UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 Under the Securities Exchange Act of 1934 For the month of March 2018 Commission File Number: 1-31253

PENGROWTH ENERGY CORPORATION (Exact name of registrant as specified in its charter)

1600, 222 Third Avenue S.W. Calgary, Alberta T2P 0B4 Canada (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F. Form 20-F o Form 40-F bIndicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): DOCUMENTS FILED AS PART OF THIS FORM 6-K See the Exhibit Index to this Form 6-K. 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, thereunto duly authorized.

PENGROWTH ENERGY CORPORATION

March 8, 2018 By: /s/ Christopher G. Webster Name: Christopher G. Webster Title: Chief Financial Officer

EXHIBIT INDEX

Exhibit No.

99.1 Pengrowth Energy Corporation 2017 Annual Report.