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

| OMB APPROVAL             |  |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|--|
| OMB Number: 3235-0287    |  |  |  |  |  |  |  |  |
| Estimated average burden |  |  |  |  |  |  |  |  |
| ours per response        |  |  |  |  |  |  |  |  |

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| (Print or Ty  | pe Response | es)                                  |                                 |                              |  |  |              |  |  |                  |                  |  |  |   |  |  |
|---|-------------|--------------------------------------|---------------------------------|------------------------------|--|--|--------------|--|--|------------------|------------------|--|--|---|--|--|
| Name and Address of Reporting Person *  Martin Shannon                |             |                                      |                                 |                              | 2. Issuer Name and Ticker or Trading Symbol<br>Main Street Capital CORP [MAIN] |  |              |  |  |                  |                  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director X Officer (give title below) Other (specify below)  VP, Chief Accounting Officer |  |   |  |  |
| (Last) (First) (Middle)<br>1300 POST OAK BLVD., 8TH FLOOR             |             |                                      |                                 |                              | 3. Date of Earliest Transaction (Month/Day/Year) 06/20/2017                    |  |              |  |  |                  |                  |  |  |   |  |  |
| (Street)  |             |                                      |                                 |                              | 4. If Amendment, Date Original Filed(Month/Day/Year)                           |  |              |  |  |                  | ır)              | 6. Individual or Joint/Group Filing(Check Applicable Line)  X_ Form filed by One Reporting Person  Form filed by More than One Reporting Person                    |  |   |  |  |
| HOUSTON, TX 77056 (City) (State) (Zip)                                |             |                                      |                                 |                              |  | Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |              |  |  |                  |                  |  |  |   |  |  |
| 1.Title of Security<br>(Instr. 3)                                     |             |                                      | 2. Transac<br>Date<br>(Month/Da | action                       | 2A. Deemed<br>Execution Date, if   |  | 3. Transacti |  | 4. Secur<br>(A) or I   | rities Ac        | quired of (D)    | 5. Amou<br>Beneficia   | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) |   |  | 7. Nature of Indirect Beneficial         |
|   |             | (Montal D                            |                                 | (Month/Day/Year)             |  |  |              | (Instr. 3, 4 and 5  (A) or Amount (D)  |  | Price            | (Instr. 3 and 4) |  |  | Form:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 4)   | Ownership  |  |
| Common  | Stock       |                                      | 06/20/20                        | )17                          |  |  | F(1)         |  | 758  | D                | \$ 38.37         | 35,903.  | 194  |   | D  |  |
| Common  | Stock       |                                      | 06/14/20                        | 017                          |  |  | <u>J(2)</u>  | V                                      | 77.547   | A                | \$<br>38.97      | 35,980.  | 741  |   | D  |  |
| Reminder: indirectly.   | Report on a | separate line f                      | or each cla                     | ss of secu                   | urities  | beneficially   | owned d      | Pers                                   | sons wh  |                  |                  |  | ection of ir   |   |  | EC 1474 (9-<br>02)                       |
| Security  | Conversion  | 3. Transactio<br>Date<br>(Month/Day/ | n 3A.<br>Exe<br>Year) any       | . Deemed ecution Date, is    |  | e.g., puts, calls, wa 4. te, if Transaction Code (Instr. 8)                      |              | ired, Doptions ber 6. I and ive es sid | ed, Disposed of, or Ber<br>tions, convertible secu<br>r 6. Date Exercisable<br>and Expiration Date<br>e (Month/Day/Year) |                  |                  | lly Owned  | 8. Price of Derivative Security (Instr. 5)                                   | 9. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | of 10. Owners Form of Derivati Security Direct ( or Indire | ve Ownersh<br>v: (Instr. 4)<br>D)<br>ect |
|   |             |                                      |                                 |                              |  | Code V   | (A) (I       | Dat<br>Exe                             | ercisable  | Expirati<br>Date | Title            | Number<br>of<br>Shares   |  |   |  |  |
| Repor   | ting O      | wners                                |                                 |                              |  |  |              |  |  |                  |                  |  |  |   |  |  |
| Dono  | erting Owns | r Nama / Ada                         | Aross                           |                              |  |  | Relation     | ships                                  |  |                  |                  | ]  |  |   |  |  |
| Reporting Owner Name / Address Director                               |             |                                      | r 10% Owner Officer Oth         |                              |  |  |              |  | Other  | r                |                  |  |  |   |  |  |
| Martin Shannon<br>1300 POST OAK BLVD., 8TH FLOOR<br>HOUSTON, TX 77056 |             |                                      |                                 | VP, Chief Accounting Officer |  |  |              |  |  | r                |                  |  |  |   |  |  |
| Signa   | tures       |                                      |                                 |                              |  |  |              |  |  |                  |                  |  |  |   |  |  |
| /s/ Jason   | B. Beauva   | is as Attorne                        | ey-in-Fac                       | t for Sha                    | annor  | n Martin   |              | 06/22                                  | 2/2017   |                  |                  |  |  |   |  |  |
|   |             | Signature of R                       | eporting Perso                  | n                            |  |  |              | D                                      | ate  |                  |                  |  |  |   |  |  |

## **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Shares withheld for payment of tax liability upon vesting of restricted shares granted under the Main Street Capital Corporation 2008 Equity Incentive Plan and/or 2015

Equity and Incentive Plan. This withholding transaction was approved by the Compensation Committee of Main Street's Board of Directors in accordance with Rule 16b-3(d)(1) of the Securities Exchange Act of 1934 (the "Act"), and as such, the sale is exempt from Section 16(b) of the Act pursuant to Rule 16b-3(e) promulgated thereunder.

(2) The reporting person acquired these shares under a dividend reinvestment plan, pursuant to a dividend reinvestment transaction exempt from Section 16 under Rule 16a-11.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.