

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

**SCHEDULE 13D/A**

**Under the Securities Exchange Act of 1934  
(Amendment No. 6)\***

ENDWAVE CORPORATION

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(Name of Issuer)

Common Stock

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(Title of Class of Securities)

29264A 20 6

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(CUSIP Number)

John H. Mullan  
Northrop Grumman Corporation  
1840 Century Park East  
Los Angeles, CA 90067  
(310) 553-6262

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(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

August 29, 2005

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(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), (f) or (g), check the following box .

**Note:** Schedules filed in paper format shall include a signed original and five copies of the schedules including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

## SCHEDULE 13D

**1** NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Northrop Grumman Corporation; I.D. No. 95-4840775

**2** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

\*(a)   
(b)

**3** SEC USE ONLY

**4** SOURCE OF FUNDS\*

NA

**5** CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO  
ITEMS 2(d) or 2(e)

**6** CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

**7** SOLE VOTING POWER

1,799,225

**NUMBER OF  
SHARES  
BENEFICIALLY  
OWNED BY  
EACH  
REPORTING  
PERSON  
WITH**

**8** SHARED VOTING POWER

NA

**9** SOLE DISPOSITIVE POWER

1,799,225

**10** SHARED DISPOSITIVE POWER

NA

**11** AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,799,225

**12** CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN  
SHARES\*

**13** PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

16.7%

**14** TYPE OF REPORTING PERSON\*

CO

**1** NAME OF REPORTING PERSON  
 S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON  
 Northrop Grumman Space & Mission Systems Corp. (formerly TRW Inc.); I.D.  
 No. 34-0575430

**2** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP  
 \*(a)   
 (b)

**3** SEC USE ONLY

**4** SOURCE OF FUNDS\*  
 NA

**5** CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO  
 ITEMS 2(d) or 2(e)

**6** CITIZENSHIP OR PLACE OF ORGANIZATION  
 Ohio

**7** SOLE VOTING POWER  
 1,799,225

**NUMBER OF  
 SHARES  
 BENEFICIALLY  
 OWNED BY  
 EACH  
 REPORTING  
 PERSON  
 WITH**

**8** SHARED VOTING POWER  
 NA

**9** SOLE DISPOSITIVE POWER  
 1,799,225

**10** SHARED DISPOSITIVE POWER  
 NA

**11** AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON  
 1,799,225

**12** CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN  
 SHARES\*

**13** PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)  
 16.7%

**14** TYPE OF REPORTING PERSON\*  
 CO

**SCHEDULE 13D**

This Amendment No. 6 to Statement of Beneficial Ownership on Schedule 13D/A (this "Statement") is being filed to amend the information in the Reporting Persons' original Statement of Beneficial Ownership on Schedule 13D, as amended by the Reporting Persons' Amendment No. 1, Amendment No. 2, Amendment No. 3, Amendment No. 4 and Amendment No. 5 thereto, and to amend information under Items 4 and 5, filed with the Securities and Exchange Commission (the "Commission") on February 14, 2003, March 29, 2005, July 14, 2005, July 18, 2005, July 20, 2005 and August 19, 2005 respectively.

**Item 4. Purpose of Transaction**

On August 19, August 23, August 24, August 25, August 26 and August 29, 2005, the Reporting Persons sold an aggregate amount of 150,804 shares of Endwave Common Stock under Rule 144 promulgated pursuant to the Securities Act of 1933.

**Item 5. Interest in Securities of the Issuer**

The Reporting Persons expressly disclaim that they have agreed to act as a group. The filing of this Statement by the Reporting Persons should not be considered an admission that such Reporting Persons, for purposes of Section 13(d) of the Act, are the beneficial owners of any shares of Endwave Common Stock in which such Reporting Persons do not have any pecuniary interest.

- a) The Reporting Persons beneficially own 1,799,225 shares of Endwave Common Stock, representing 16.7% of shares of Endwave Common Stock reported to be outstanding as of July 29, 2005. There were 10,763,546 shares of Endwave Common Stock outstanding as of July 29, 2005, based on information provided in Endwave's Quarterly Report on Form 10-Q filed August 12, 2005.
- b) As of the date of this Statement, NGS&MS has the direct power to vote and direct the disposition of the 1,799,225 shares of Endwave Common Stock held by it. As the sole parent of NGS&MS, Northrop Grumman has the indirect power to vote and dispose of the Endwave Common Stock held by NGS&MS.
- c) Since the most recent filing on Schedule 13D on August 19, 2005, NGS&MS effected the following sales of Endwave's Common Stock under Rule 144 promulgated pursuant to the Securities Act of 1933:

**August 19, 2005:**

Amount of Securities	Price Per Share (\$)
100	\$30.00
300	\$30.00
100	\$30.00
100	\$30.01

**August 23, 2005:**

<b>Amount of Securities</b>	<b>Price Per Share (\$)</b>
600	\$30.00
100	\$30.01
400	\$30.04
100	\$30.05
100	\$30.06
500	\$30.07
200	\$30.09
200	\$30.11
300	\$30.12
400	\$30.15
100	\$30.16

**August 24, 2005:**

<b>Amount of Securities</b>	<b>Price Per Share (\$)</b>
2,250	\$29.25
100	\$29.28
427	\$29.30
100	\$29.32
500	\$29.50

**August 25, 2005:**

<b>Amount of Securities</b>	<b>Price Per Share (\$)</b>
6,806	\$29.00
786	\$29.25
100	\$29.27
100	\$29.29
200	\$29.32
200	\$29.35
100	\$29.39
100	\$29.40
979	\$29.50

## August 26, 2005:

Amount of Securities	Price Per Share (\$)
4,800	\$29.00
100	\$29.01
759	\$29.03
3,325	\$29.04
800	\$29.05
471	\$29.07
500	\$29.09
6,574	\$29.10
600	\$29.11
2,600	\$29.12
100	\$29.14
100	\$29.15
100	\$29.17
1,900	\$29.18
698	\$29.19
200	\$29.20
100	\$29.22
100	\$29.23
700	\$29.26
95	\$29.29
100	\$29.30
10,000	\$29.32
3,131	\$29.35
200	\$29.38

## August 29, 2005:

Amount of Securities	Price Per Share (\$)
1,700	\$29.01
100	\$29.07
4,439	\$29.10
3,500	\$29.14
190	\$29.20
100	\$29.21
1,500	\$29.24
100	\$29.25
2,000	\$29.26
200	\$29.27
20	\$29.29
865	\$29.30
99	\$29.31
100	\$29.32
200	\$29.34
3,336	\$29.35
2,300	\$29.36
3,514	\$29.37
1,000	\$29.38
1,600	\$29.42
2,300	\$29.43
350	\$29.45
200	\$29.50
100	\$29.60
899	\$29.62
100	\$29.65
181	\$29.70
2,000	\$29.75
2,000	\$29.76
2,400	\$29.79
400	\$29.90
300	\$29.93
100	\$29.98
1,701	\$29.99
3,000	\$30.00
100	\$30.08
20,300	\$30.10
4,535	\$30.11

## August 29, 2005 (continued):

Amount of Securities	Price Per Share (\$)
200	\$30.14
1,600	\$30.16
200	\$30.18
2,400	\$30.19
6,075	\$30.20
1,600	\$30.21
300	\$30.23
100	\$30.24
2,700	\$30.25
400	\$30.26
100	\$30.27
600	\$30.28
200	\$30.29
200	\$30.30
1,200	\$30.40
200	\$30.44
100	\$30.47
93	\$30.48
1,407	\$30.50
1,000	\$30.51
299	\$30.53
1,000	\$30.56
1,500	\$30.65
2,000	\$30.85
1,000	\$30.88
1,100	\$30.90
1,000	\$30.91



**SCHEDULE 13D**

**SIGNATURE**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: August 30, 2005

NORTHROP GRUMMAN CORPORATION

By: /s/ James L. Sanford

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James L. Sanford  
Corporate Vice President and Treasurer

Dated: August 30, 2005

NORTHROP GRUMMAN SPACE  
& MISSION SYSTEMS CORP.

By: /s/ James L. Sanford

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James L. Sanford  
Corporate Vice President and Treasurer