REPUBLIC SERVICES INC

Form 4

August 14, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

5 Relationship of Reporting Person(s) to

January 31, 2005

0.5

Estimated average

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Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1 Name and Address of Reporting Person *

may continue.

| CASCADE INVESTMENT LLC | | | | 2. Issuer Name and Ticker or Trading Symbol REPUBLIC SERVICES INC [RSG] | | | | Issuer (Check all applicable) | | | |
|------------------------------|--------------------------------------|---|---|---|---|--------|---------------|--|--|---|--|
| | (Last) 2365 CAR | (First) | (M | Date of Earliest T Month/Day/Year) 8/12/2008 | ransaction | | — bel | Director Officer (give titl ow) | _X_ 10% | | |
| (Street) KIRKLAND, WA 98033 | | | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting Person | | | |
| | (City) | (State) | (Zip) | Table I - Non- | Derivative S | Securi | ties Acquire | ed, Disposed of, o | r Beneficially | Owned | |
| | 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date any (Month/Day/Y | Code | 4. Securities and Disposed of (Instr. 3, 4 and Amount | f (D) | Price | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | Common Stock | 08/12/2008 | | P | 680,991 | A | \$ 34.8327 | 31,395,240 | D | | |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title a | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|------------------|-------------|------------|--------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transactio | onNumber | Expiration D | ate | Amount | of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underlyi | ing | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securitie | es | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | · | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | Α. | | | |
| | | | | | | | | | mount | | |
| | | | | | | Date | Expiration | or | | | |
| | | | | | | Exercisable Date | | | | | |
| | | | | | | | | of | | | |
| | | | | Code V | (A) (D) | | | Sł | hares | | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|---|---------------|-----------|---------|-------|--|--|
| | Director | 10% Owner | Officer | Other | | |
| CASCADE INVESTMENT LLC 2365 CARILLON POINT KIRKLAND, WA 98033 | | X | | | | |
| GATES WILLIAM H III ONE MICROSOFT WAY REDMOND, WA 98052 | | X | | | | |

Signatures

| Cascade Investment, L.L.C. By: /s/ Michael Larson, Business Manager | 08/14/2008 |
|--|------------|
| **Signature of Reporting Person | Date |
| William H. Gates III By: /s/ Michael Larson*, Attorney-In-Fact | 08/14/2008 |
| **Signature of Reporting Person | Date |

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).

This transaction was executed in multiple trades at prices ranging from \$34.40 to \$35.05. The price reported above reflects the weighted average purchase price. The reporting persons hereby undertake to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transactions were effected.

Remarks:

* Duly authorized under Special Power of Attorney appointing Michael Larson attorney-in-fact, dated February 3, 2006, by ar 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.

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