UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

		(Amer	ndment No. 3)*		
	RE	PUBLI	C SERVICES, INC.		
(Name of Issuer) Common Stock, par value \$0.01 per share					
		7	760759100		
		(CU	(SIP Number)		
		Dece	mber 31, 2002		
	(Date of Event V	Vhich F	Requires Filing of this Statement)		
Check	the appropriate box to designate the rule pursuant to which this	s Sched	ule is filed:		
0	Rule 13d-1(b)				
×	Rule 13d-1(c)				
0	Rule 13d-1(d)				
1934 (formation required in the remainder of this cover page shall not "Act") or otherwise subject to the liabilities of that section of the				
CUSII	P No			_	
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).				
	Cascade Investment, L.L.C.			_	
2.	Check the Appropriate Box if a Member of a Group (See Instructions)	(a) (b)	0 0		
3.	SEC Use Only			-	
4.	Citizenship or Place of Organization			-	
	State of Washington				
Number With:	er of Shares Beneficially Owned by Each Reporting Person	5.	Sole Voting Power	-	
			18,078,300	_	
		6.	Shared Voting Power		

- -0-

			18,078,300	
		8.	Shared Dispositive Power	
			0-	
9.	Aggregate Amount Beneficially Owned by Each Reporting Per	son		
	18,078,300			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain S	hares	(See Instructions) o	
11.	Percent of Class Represented by Amount in Row (9)			
	11.0%			
12.	Type of Reporting Person (See Instructions)			
	CO			
			2	
			2	
USIP	No760759100			
1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only).			
	William H. Gates III			
2.	Check the Appropriate Box if a Member of a Group (See Instructions)	(a) (b)	0 0	
3.	SEC Use Only			
4.	Citizenship or Place of Organization			
	United States of America			
lumbe Vith:	r of Shares Beneficially Owned by Each Reporting Person	5.	Sole Voting Power	
			18,078,300	
		6.	Shared Voting Power	
			0-	
		7.	Sole Dispositive Power	
			18,078,300	
		8.	Shared Dispositive Power	
			0-	
9.	Aggregate Amount Beneficially Owned by Each Reporting Per	son		
	18,078,300			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain S	hares	(See Instructions) o	

Sole Dispositive Power

11.	Per	Percent of Class Represented by Amount in Row (9)				
	11.0%					
12.	Тур	oe of Reporting	g Person (See Instructions)			
	IN					
			3			
Item	1.					
	(a)	Name of Issuer				
		Republic Services, Inc. (the "Issuer")				
	(b)	Address of Issuer's Principal Executive Offices				
		110 South E	ast 6 th Street, 28 th Floor, Fort Lauderdale, FL 33301			
Item :	2.					
	(a)	Name of Per	rson Filing			
		Cascade Inv	restment, L.L.C. ("Cascade") and William H. Gates III ("Gates")			
	(b)	Address of I	Principal Business Office or, if none, Residence			
		Cascade—2365 Carillon Point, Kirkland, Washington 98033 Gates—One Microsoft Way, Redmond, Washington 98052				
	(c)	Citizenship				
		Cascade is a limited liability company organized under the laws of the State of Washington. Gates is a citizen of the United States of America.				
	(d)	Title of Clas	es of Securities			
		Common Stock, par value \$0.01 per share ("Common Stock")				
	(e)	c) CUSIP Number				
		760759100				
Item :	3.					
	I	Not Applicable	e.			
			4			
Item -	4. Ow	nership				
	(a)	Amount ben	neficially owned:			
			18,078,300*			
	(b)	Percent of cl	lass:			
			44.007			
		N. 1 C	11.0%			
	(c)		shares as to which the person has:			
		(i) Sole power to vote or to direct the vote				
		(;;)	18,078,300* Shared paying to yiete on to direct the yete			
		(ii)	Shared power to vote or to direct the vote			

		-0-			
(iii) Sole power to dispose or to direct the			isposition o	f	
		18,078,300*			
	(iv)	Shared power to dispose or to direct the	disposition	n of	
		0-			
*	Cascade's mana		vestment po	owned by William H. Gates III as the sole men ower with respect to the Common Stock held by scade and Mr. Gates.	
Item 5	6. Ownership of	Five Percent or Less of a Class			
N	ot Applicable.				
Item 6	6. Ownership of	More than Five Percent on Behalf of And	other Perso	n	
N	ot Applicable.				
Item 7	7. Identificati Holding Co		/hich Acqu	ired the Security Being Reported on By the I	Parent Parent
N	ot Applicable.				
Item 8	3. Identification	and Classification of Members of the Gro	oup		
N	ot Applicable.				
Item 9	. Notice of Disso	olution of Group			
N	ot Applicable.				
				5	
Item 1	0. Certification				
or with	the effect of ch			he securities referred to above were not acquire curities and were not acquired and are not held	
				6	
			SIG	NATURE	
After r	easonable inquir	y and to the best of my knowledge and beli	ef, I certify	that the information set forth in this statement is	s true, complete and correct.
				February 12, 2003	
				Date	
			CASCAD	DE INVESTMENT, L.L.C.	
			By:	/s/ MICHAEL LARSON	
				Name: Michael Larson Title: Manager	
			WILLIA	M H. GATES III	
			By:	/s/ MICHAEL LARSON	
				Name: Michael Larson*	

Title: Attorney-in-fact

JOINT FILING AGREEMENT

We, the signatories of the statement to which this Joint Filing Agreement is attached, hereby agree that such statement is filed, and any amendments thereto filed by either or both of us will be filed, on behalf of each of us.

February 12, 2003				
Date				
CASCADE INVESTMENT, L.L.C.				
By: /s/ MICHAEL LARSON				
	Name: Michael Larson Title: Manager			
WILLIAM H. GATES III				
By:	/s/ MICHAEL LARSON			
	Name: Michael Larson* Title: Attorney-in-fact			

buly authorized under Special Power of Attorney appointing Michael Larson attorney-in-fact, dated March 14, 2001, by and on behalf of William H. Gates III, filed as Exhibit B to Cascade's Amendment No. 1 to Schedule 13D with respect to Pan American Silver Corp. on March 19, 2001, SEC File No. 005-52919, and incorporated by reference herein.

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QuickLinks

SIGNATURE JOINT FILING AGREEMENT