#### DISTRIBUTED ENERGY SYSTEMS CORP

Form SC 13D/A January 13, 2004

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Expires December 31, 2005 WASHINGTON, D.C. 20549

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SCHEDULE 13D/A

UNDER THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO. 1 ) \*

Distributed Energy Systems Corp.

\_\_\_\_\_\_

(Name of Issuer)

Common Stock, \$0.01 par value

(Title of Class of Securities)

25475V104

(CUSIP Number)

Robert W. Shaw, Jr. Arete Corporation P.O. Box 1299 Center Harbor, NH 03226 (603) 253-9797

\_\_\_\_\_

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

January 7, 2004

\_\_\_\_\_

(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 that is the subject of this Schedule 13D, and is filing this schedule because of ss.ss.240.13d-1(e), 240.13d-1(f) or 240.13d-1(q), check the following box. [ ]

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See ss.240.13d-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).

CUSIP	No. 25475V104	ļ.		Page	2 of 12		
1	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
Robert W. Shaw, Jr.							
2	CHECK THE APP	ROPRIA	TE BOX IF A MEMBER OF A GROUP (SEE INSTRUC	CTIONS	5)		
				(a) (b)			
3	SEC USE ONLY						
4	SOURCE OF FUN	IDS (SE	E INSTRUCTIONS)				
	PF						
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) [ ]						
6	CITIZENSHIP C	R PLAC	E OF ORGANIZATION				
	United States	citiz	en				
		7	SOLE VOTING POWER				
NUMBER OF			2,741,216 shares (1)				
		8	SHARED VOTING POWER				
SHARES BENEFICIALLY			0 shares				
OWNED BY		9	SOLE DISPOSITIVE POWER				
	ACH RTING		2,741,216 shares (1)				
	-	10	SHARED DISPOSITIVE POWER				
PERSON WITH			0 shares				
11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON							
	2,741,216 shares (1)						
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [ ]						
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)						
	7.4%	7.4%					
14	TYPE OF REPOR	RTING P	ERSON (SEE INSTRUCTIONS)				
	IN						

(1) Includes 90,000 shares is suable upon exercise of options within 60 days of December 31, 2003 and 1,083,031 shares is suable upon exercise of warrants.

CUSIP	No. 25475V10	4		Page	3 of 12		
1	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
	Micro-Genera	tion Te	chnology Fund, LLC				
2	CHECK THE AP	PROPRI <i>I</i>	TE BOX IF A MEMBER OF A GROUP (SEE INSTRU	CTIONS	;)		
				(a) (b)			
3	SEC USE ONLY						
4	SOURCE OF FU	SOURCE OF FUNDS (SEE INSTRUCTIONS)					
	WC						
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				
			0 shares				
	BER OF	8	SHARED VOTING POWER				
	ARES ICIALLY		0 shares				
	ED BY	9	SOLE DISPOSITIVE POWER				
	ACH		0 shares				
REPORTING PERSON WITH		10	SHARED DISPOSITIVE POWER				
			0 shares				
11	AGGREGATE AM	OUNT BE	NEFICIALLY OWNED BY EACH REPORTING PERSON				
	0 shares						
12	CHECK IF THE		GATE AMOUNT IN ROW (11) EXCLUDES CERTAIN S.				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)						

14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)  00						
CUSIP	No. 25475V104	1		Page	4 of 12		
1 NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES							
	Utech Climate	e Chall	enge Fund, L.P.				
2	CHECK THE APE	PROPRIA	TE BOX IF A MEMBER OF A GROUP (SEE INSTRUC	CTIONS	 S)		
				, ,	[ ] [X]		
3	SEC USE ONLY						
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)						
	WC						
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e)						
6	CITIZENSHIP (	OR PLAC	E OF ORGANIZATION				
		 7	SOLE VOTING POWER				
			0 shares				
NUM	BER OF	8	SHARED VOTING POWER				
	ARES ICIALLY		0 shares				
OWNE	ED BY	9	SOLE DISPOSITIVE POWER				
EA	СН		0 shares				
REPORTING PERSON WITH		10	SHARED DISPOSITIVE POWER				
			0 shares				
11	AGGREGATE AMO	OUNT BE	NEFICIALLY OWNED BY EACH REPORTING PERSON				
	0 shares						
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS)						

13	3 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)						
14	TYPE OF REPOR	RTING F	PERSON (SEE INSTRUCTIONS)				
CUSIP	No. 25475V104	Į		Page 5 of 12			
1	NAMES OF REPORTING PERSONS.  I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY).						
	Arete Venture	e Inves	tors II Limited Partnership				
2	CHECK THE APP	ROPRIA	TE BOX IF A MEMBER OF A GROUP (SEE INSTRUC	CTIONS)			
				(a) [ ] (b) [X]			
3	SEC USE ONLY						
4	SOURCE OF FUNDS (SEE INSTRUCTIONS)  WC						
5	CHECK IF DISC 2(d) or 2(e)	CLOSURE	OF LEGAL PROCEEDINGS IS REQUIRED PURSUAN	T TO ITEMS			
6	CITIZENSHIP (	PLAC	E OF ORGANIZATION				
		7	SOLE VOTING POWER				
	(DED 05		0 shares				
	MBER OF ARES	8	SHARED VOTING POWER				
	ICIALLY		0 shares				
	OWNED BY 9 SOLE DISPOSITIVE POWER  EACH  0 shares						
REPORTING		10	SHARED DISPOSITIVE POWER				
PERSON WITH			0 shares				
11	AGGREGATE AMO	OUNT BE	NEFICIALLY OWNED BY EACH REPORTING PERSON				
	0 shares						
12	CHECK IF THE	AGGREG	ATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SE	HARES (SEE			

	INSTRUCTIONS)			[ ]		
13	PERCENT OF CI	ASS RE	PRESENTED BY AMOUNT IN ROW (11)			
14	TYPE OF REPOR	RTING P	PERSON (SEE INSTRUCTIONS)			
	PN					
CUSIP	No. 25475V104	!		Page	6 of 12	
1			PERSONS. ON NOS. OF ABOVE PERSONS (ENTITIES ONLY).			
	Utech LLC					
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS)					
				(a) (b)		
3	SEC USE ONLY					
4 SOURCE OF FUNDS (SEE INSTRUCTIONS)		E INSTRUCTIONS)				
	WC 					
5	CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) [ ]				TEMS	
6	CITIZENSHIP (	R PLAC	E OF ORGANIZATION			
	Delaware					
		7	SOLE VOTING POWER			
			0 shares			
NUMBER OF		8	SHARED VOTING POWER			
SHARES BENEFICIALLY			0 shares			
OWNED BY		9	SOLE DISPOSITIVE POWER			
EACH			0 shares			
REPORTING		10	SHARED DISPOSITIVE POWER			
PERSON WITH			0 shares			

	0 shares	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) [ ]	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)	
14	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)	-
	00	_

CUSIP No. 25475V104 Page 7 of 12

Item 1. Security and Issuer.

This statement relates to the common stock, \$.01 par value (the "Common Stock"), of Distributed Energy Systems Corp. (the "Issuer") having its principal executive office at 10 Technology Drive, Wallingford, CT 06492. This statement amends and restates the statement on Schedule 13D filed by the undersigned with respect to the Issuer on December 23, 2003.

Item 2. Identity and Background.

This statement is being filed by Dr. Robert W. Shaw, Jr. ("Dr. Shaw"), Micro-Generation Technology Fund, LLC ("MG"), Utech Climate Challenge Fund, L.P. ("Climate Challenge"), Utech LLC, ("Utech") and Arete Venture Investors II Limited Partnership ("AVI") (each a "Reporting Person" and collectively the "Reporting Persons").

Item 2(a)	Item 2(b)
Name of Person Filing	Address
Robert W. Shaw, Jr.	c/o Arete Corporation P.O. Box 1299 Center Harbor, NH 03226
MG	c/o Arete Corporation P.O. Box 1299 Center Harbor, NH 03226
Climate Challenge	c/o Arete Corporation P.O. Box 1299 Center Harbor, NH 03226
Utech	c/o Arete Corporation P.O. Box 1299 Center Harbor, NH 03226
AVI	c/o Arete Corporation

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P.O. Box 1299 Center Harbor, NH 03226

Page 8 of 12

Dr. Shaw is (i) the President of Arete Corporation, which is the manager of MG and Utech, (ii) the managing member of the general partner of Climate Challenge, and (iii) the general partner of AVI. In such capacities, he has sole dispositive power with respect to the shares of Common Stock held by MG, Climate Challenge, Utech and AVI. Dr. Shaw, therefore, may be deemed the beneficial owner of the shares of Common Stock directly owned by Climate Challenge, Utech and AVI. Dr. Shaw disclaims this beneficial ownership. The principal business of each of MG, Climate Challenge, Utech and AVI is to make investments.

Dr. Shaw formerly served as general partner of the general partner of UVCC Fund II ("Fund II") and UVCC II Parallel Fund, L.P. ("Parallel Fund"). These funds dissolved on December 31, 2003.

CUSIP No. 25475V104

During the five years prior to the date hereof, none of the Reporting Persons has been convicted in a criminal proceeding or has been a party to a civil proceeding ending in a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

Item 3. Source and Amount of Funds or Other Consideration.

Dr. Shaw funded the purchase of his interests in the entities that own Common Stock from his personal funds. Each of the other Reporting Persons funded its purchases of Common Stock from its own working capital.

Item 4. Purpose of Transaction.

Each of the Reporting Persons acquired the Common Stock for investment purposes. Depending on market conditions, their continuing evaluation of the business and prospects of the Issuer and other factors, the Reporting Persons may dispose of or acquire additional shares of Common Stock. Except as set forth in this Schedule 13D, none of the Reporting Persons has any present plans which relate to or would result in:

- (a) The acquisition by any person of additional securities of the Issuer, or the disposition of securities of the Issuer;
- (b) An extraordinary corporate transaction, such as a merger, reorganization or liquidation, involving the Issuer or any of its subsidiaries;
- (c) A sale or transfer of a material amount of assets of the Issuer or any of its subsidiaries;
- (d) Any change in the present board of directors or management of the Issuer, including any plans or proposals to change the number or term of directors or to fill any existing vacancies on the board;
- (e) Any material change in the present capitalization or dividend policy of the Issuer;
- (f) Any other material change in the Issuer's business or corporate structure;

- (g) Changes in the Issuer's charter, bylaws or instruments corresponding thereto or other actions which may impede the acquisition of control of the Issuer by any person;
- (h) Causing a class of securities of the Issuer to be delisted from a national securities exchange or to cease to be authorized to be quoted in an inter-dealer quotation system of a registered national securities association;
- (i) A class of equity securities of the Issuer becoming eligible for termination of registration pursuant to Section 12(g)(4) of the Securities Exchange Act of 1934; or
  - (j) Any action similar to any of those enumerated above.

Item 5. Interest in Securities of the Issuer.

On December 10, 2003, subsidiaries of the Issuer were merged into Proton Energy Systems, Inc. ("Proton") and Northern Power Systems, Inc. ("Northern"). At the time of the merger,

CUSIP No. 25475V104

Page 9 of 12

- (i) Dr. Shaw held of record 194,341 shares of common stock of Proton and options to purchase 60,000 shares of common stock that were exercisable within 60 days after September 30, 2003,
- (ii) MG held of record 76,316 shares of common stock of Proton,
- (iii) Fund II held of record 1,891,763 shares of common stock of Proton, and
- (iv) Climate Challenge held of record 1,534,620 shares of common stock of Proton, and
- (v) UVCC II Parallel Fund, L.P., a venture fund affiliated with Dr. Shaw, held of record 285,715 shares of common stock of Proton.

In addition,

- (i) MG held of record 919,000 shares of preferred stock of Northern,
- (ii) Fund II held of record 633,405 shares of preferred stock of Northern, and
- (iii) Climate Challenge held of record 558,925 shares of preferred stock of Northern.

In the merger, each share of outstanding common stock of Proton was converted into a share of Common Stock of the Issuer, and each share of outstanding common stock of Northern was converted into an amount of cash, a number of shares of Common Stock of the Issuer and warrants to purchase a number of shares of Common Stock of the Issuer in accordance with the formulas set forth in the merger agreement. The warrants have an exercise price of \$2.80 per share and expire on December 10, 2006. In the merger:

- (i) MG received \$4,005,108, 420,170 shares of Common Stock and warrants to purchase 471,412 shares of Common Stock in respect of its Northern preferred stock,
- (ii) AVI and Utech, in their capacities as partners of Fund II,

received \$279,946 and \$2,372,458, respectively, 65,626 shares of Common Stock and 262,504 shares of Common Stock, respectively, and warrants to purchase 64,982 shares of Common Stock and 259,930 shares of Common Stock, respectively, in respect of Fund II's Northern preferred stock, and

(iii) Climate Challenge received \$2,374,086, 277,574 shares of Common Stock and warrants to purchase 286,707 shares of Common Stock in respect of its Northern preferred stock.

Of the cash and Common Stock paid to Northern's stockholders in respect of their Northern shares, 15% was placed in escrow to secure indemnification obligations.

On December 19, 2003, Parallel Fund distributed to its partners all 285,715 shares of Common Stock previously held by Parallel Fund. Of this amount, 21,144 shares were distributed to Dr. Shaw and 1,714 shares were distributed to his wife. Also on December 19, 2003, Fund II distributed to its partners all 1,891,763 shares of Common Stock previously held by Fund II. Of this amount, 272,500 shares were distributed to AVI and 1,619,262 shares were distributed to Utech.

On January 7, 2004, Utech distributed to its members 1,619,262 shares of Common Stock. Also on January 7, 2004, (i) AVI distributed to its partners 272,500 shares of Common Stock (of which Dr.

CUSIP No. 25475V104 Page 10 of 12

Shaw received 95,375 shares) and (ii) Climate Challenge distributed to its partners 1,471,354 shares of Common Stock (of which Dr. Shaw received 80,408 shares and his wife received 9,746 shares).

As a result of the above-described transactions,

- (i) Dr. Shaw holds of record 391,268 shares of Common Stock and options to purchase 90,000 shares of common stock that were exercisable within 60 days after December 31, 2003 and his wife holds of record 11,460 shares of Common Stock,
- (ii) MG holds of record 496,486 shares of Common Stock and a warrant to purchase 471,412 shares of Common Stock,
- (iii) Climate Challenge holds of record 340,840 shares of Common Stock and a warrant to purchase 286,707 shares of Common Stock,
- (iv) AVI holds of record 65,626 shares of Common Stock, and a warrant to purchase 64,982 shares of Common Stock, and
- (v) Utech holds of record 262,505 shares of Common Stock and a warrant to purchase 259,930 shares of Common Stock.

The shares of Common Stock beneficially owned by the Reporting Persons represent an aggregate of 7.7% of the outstanding Common Stock of the Issuer. Such percentage is calculated based upon 35,349,517 shares of Common Stock outstanding as of December 10, 2003, as adjusted pursuant to Rule 13d-3(d) (1) promulgated under the Act.

Except as set forth above, none of the Reporting Persons has effected any transaction in the Common Stock in the last 60 days. No other person is known to have the right to receive or the power to direct the receipt of

dividends from, or any proceeds from the sale of, the Common Stock beneficially owned by any of the Reporting Persons.

Item 6. Contracts, Arrangements, Undertakings or Relationships with Respect to Securities of the Issuer.

Each of MG, Climate Challenge, AVI and Utech have entered into a lockup agreement under which they have agreed not to offer, sell or otherwise dispose of the shares of Common Stock issued to them in the merger or upon exercise of warrants issued in the merger for a period of three months after closing of the merger with respect to 25% of such shares and six months after closing with respect to the remainder of such shares.

Item 7. Material to be Filed as Exhibits.

Exhibit 1 - Form of Lockup Agreement.\*
Exhibit 2 - Agreement regarding filing of joint Schedule 13D.

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\*Included as Exhibit 1 to the Schedule 13D filed by the Reporting Persons on December 23, 2003.

CUSIP No. 25475V104

Page 11 of 12

#### SIGNATURE

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: January 12, 2004

/s/ Robert W. Shaw, Jr.

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Robert W. Shaw, Jr.

MICRO-GENERATION TECHNOLOGY FUND, LLC

By: ARETE CORPORATION, Manager

By: /s/ Robert W. Shaw, Jr.

Robert W. Shaw, Jr., President

UTECH CLIMATE CHALLENGE FUND, L.P.

By: ARETE CLIMATE CHALLENGE PARTNERS, LLC

By: /s/ Robert W. Shaw, Jr.

Robert W. Shaw, Jr., Managing Member

UTECH LLC

By: ARETE CORPORATION, Manager

By: /s/ Robert W. Shaw, Jr.

Robert W. Shaw, Jr., President

ARETE VENTURE INVESTORS II LIMITED PARTNERSHIP

By: /s/ Robert W. Shaw, Jr.

Robert W. Shaw, Jr., General Partner