Sebruary 09, 2005										
FORM 5									PPROVAL	
	JNITED	STATES				NGE C	COMMISSIO	Number:	3235-0362	
no longer subject				ashington, D.C. 20549				Expires:	January 31, 2005	
to Section 16. Form 4 or Form 5 obligations may continue.	ANNUAL STATEMENT OF CHANGES IN BENE OWNERSHIP OF SECURITIES					EFICIAL Estimated average burden hours per response 1.0				
See Instruction 1(b). Form 3 Holdings Se Reported Form 4 Transactions Reported		a) of the P	ublic U	tility Holdi		y Act of				
ERRY BARRY W Symbol ARRC				OW ELECTRONICS INC			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (Firs	st) (I	[ARW] (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2004				Officer (give title Other (specify below) below)				
ARROW ELECTR NC., 50 MARCU		E								
(Stre					nendment, Date Original 6 onth/Day/Year)			6. Individual or Joint/Group Reporting (check applicable line)		
MELVILLE, NY	11747						_X_ Form Filed by Form Filed by Person	y One Reporting F More than One F		
(City) (Stat	e)	(Zip)	Tab	le I - Non-De	rivative Secu	ities Acq	uired, Disposed	of, or Beneficia	lly Owned	
	ction Date Day/Year)	2A. Deemed Execution E any (Month/Day	Date, if	3. Transaction Code (Instr. 8)	4. Securities Acquired (A Disposed of (Instr. 3, 4 ar (A o Amount (E	(D) d 5))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Reminder: Report on a s securities beneficially ov				contained	in this form	are not	ollection of info required to res alid OMB cont	pond unless	SEC 2270 (9-02)	
	Tabl			curities Acqui s, warrants, o			eneficially Owned	1		

Derivative Security Conversion (Month/Day/Year) Execution Date, if Transaction Number Expiration Date

Underlying Securi

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(Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		(Month/Day/Year)		(Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amo Nun Shar
Non-Employee Directors Plan Stock Option (right to buy)	\$ 17.4375	Â	Â	Â	Â	Â	01/25/2000	01/25/2009	Common Stock	1
Non-Employee Directors Plan Stock Option (right to buy)	\$ 18.125	Â	Â	Â	Â	Â	05/14/2000	05/14/2009	Common Stock	2
Non-Employee Directors Plan Stock Option (right to buy)	\$ 33.6875	Â	Â	Â	Â	Â	05/23/2001	05/23/2010	Common Stock	2
Non-Employee Directors Plan Stock Option (right to buy)	\$ 26.52	Â	Â	Â	Â	Â	05/11/2002	05/11/2011	Common Stock	2
Non-Employee Directors Plan Stock Option (right to buy)	\$ 26.23	Â	Â	Â	Â	Â	05/23/2003	05/23/2012	Common Stock	2
Non-Employee Directors Plan Stock Option (right to buy)	\$ 16.51	Â	Â	Â	Â	Â	05/23/2004	05/23/2013	Common Stock	2
Phantom Stock	Â	Â	Â	Â	Â	Â	(1)	(1)	Common Stock	4,9
Restricted Stock Units	Â	Â	Â	Â	Â	Â	(2)	(2)	Common Stock	1,

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
PERRY BARRY W	ÂΧ	Â	Â	Â			
ARROW ELECTRONICS, INC.							

50 MARCUS DRIVE MELVILLE, NYÂ 11747

Signatures

Lori McGregor Attorney-in-fact

02/09/2005

Date

**Signature of Reporting Person

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).
- (1) Phanton Stock settled by issuance of shares of Common Stock on a one-for-one basis following (i) termination of services as a Director, (ii) the occurence of an unforeseeable emergency or (iii) a change in control.
- (2) Restricted Stock Units settled by (i) the issuance of shares of Common Stock on a one-for-one basis following termination of services as a Director, or (ii) payment of the fair market value of an equivalent number of shares of common stock following a change of control.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.