

Pioneer Diversified High Income Trust
 Form 4
 December 24, 2008

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 WEST STEPHEN

2. Issuer Name and Ticker or Trading Symbol
 Pioneer Diversified High Income Trust [HNW]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 60 STATE ST, 19TH FL.
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 12/24/2008

____ Director
 ____ Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 Trustee

BOSTON, MA 02109
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 ___X___ Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	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 Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Pioneer Diversified High Income Trust	12/24/2008	12/24/2008	P		5,000	A	\$ 11.54
Pioneer Diversified High income Trust	12/24/2008	12/24/2008	P		7,600	A	\$ 11.55
Pioneer Diversified High Income Trust	12/24/2008	12/24/2008	P		4,400	A	\$ 11.49

