

TENNECO INC  
Form 11-K  
June 28, 2011

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**SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 11-K**

**o ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934  
FOR THE FISCAL YEAR ENDED DECEMBER 31, 2010**

**OR**

**o TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934  
FOR THE TRANSITION PERIOD FROM \_\_\_\_\_ TO \_\_\_\_\_  
COMMISSION FILE NUMBER 1-12387**

A. Full title of the plan and address of the plan, if different from that of the issuer named below:

**The Tenneco Employee Stock  
Ownership Plan for Hourly Employees**

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

**Tenneco Inc.  
500 North Field Drive  
Lake Forest, IL 60045**

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**The Tenneco Employee Stock Ownership Plan for Hourly Employees**

Financial Statements as of December 31, 2010 and 2009, and for the Year Ended December 31, 2010, and  
Supplemental Schedule as of December 31, 2010, and Independent Auditor's Report

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The Tenneco Employee Stock Ownership Plan for Hourly Employees  
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Supplemental Schedule

Form 5500, Schedule H, Part IV, Line 4i Schedule of Assets (Held at End of Year) as of December 31, 2010 16  
EX-23.1

Note: All other schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.

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**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

**Audit Tax Advisory**

**Grant Thornton LLP**

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Corporate Employee Benefits

Committee of Tenneco

We have audited the accompanying statements of net assets available for benefits of the Tenneco Employee Stock Ownership Plan for Hourly Employees (the Plan ) as of December 31, 2010 and 2009, and the related statement of changes in net assets available for benefits for the year ended December 31, 2010. These financial statements are the responsibility of the Plan s management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Plan is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan s internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2010 and 2009, and the changes in the net assets available for benefits for the year ended December 31, 2010, in conformity with accounting principles generally accepted in the United States of America.

As discussed in Note B, the Plan adopted new accounting guidance as of December 31, 2010, relating to the accounting for loans to participants.

Our audits were performed for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedule of assets (held at end of year) as of December 31, 2010, is presented for the purpose of additional analysis and is not a required part of the basic financial statements but is supplementary information required by the Department of Labor s Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The supplemental schedule is the responsibility of the Plan s management. The supplemental schedule has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ Grant Thornton LLP

Chicago, Illinois

June 27, 2011

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The Tenneco Employee Stock Ownership Plan for Hourly Employees  
**Statements of Net Assets Available for Benefits**  
**as of December 31, 2010 and 2009**

|  | <b>2010</b>    | <b>2009</b>    |
|--|----------------|----------------|
| <b>ASSETS:</b>   |                |                |
| Plan's interest in Tenneco Defined Contribution Plans Master Trust   | \$ 176,467,528 | \$ 147,229,762 |
| Receivables:   |                |                |
| Participant contributions  | 131,665        | 95,691         |
| Employer contributions   | 130,660        | 63,626         |
| Notes receivable from participants   | 8,534,711      | 8,775,857      |
| <br>   |                |                |
| Total receivables  | 8,797,036      | 8,935,174      |
| <br>   |                |                |
| Total assets   | 185,264,564    | 156,164,936    |
| <br>   |                |                |
| NET ASSETS AVAILABLE AT FAIR VALUE   | 185,264,564    | 156,164,936    |
| <br>   |                |                |
| Adjustments from fair value to contract value for interest in collective trust relating to fully benefit-responsive investment contracts | (488,280)      | (369,933)      |
| <br>   |                |                |
| NET ASSETS AVAILABLE FOR BENEFITS  | \$ 184,776,284 | \$ 155,795,003 |

The accompanying notes are an integral part of these statements.

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The Tenneco Employee Stock Ownership Plan for Hourly Employees  
**Statement of Changes in Net Assets Available for Benefits**  
**for the Year Ended December 31, 2010**

|  |                |
|--|----------------|
| ADDITIONS:   |                |
| Contributions:   |                |
| Participant contributions  | \$ 8,024,008   |
| Employer contributions   | 8,239,201      |
| Rollovers  | 54,865         |
| <br>   |                |
| Total contributions  | 16,318,074     |
| <br>   |                |
| Interest income from notes receivable form participants                                | 362,437        |
| Investment income (Plan's interest in Tenneco Defined Contribution Plans Master Trust) | 34,886,311     |
| <br>   |                |
| Transfers into Plan (Note B)   | 186,072        |
| <br>   |                |
| Total additions  | 51,752,894     |
| <br>   |                |
| DEDUCTIONS:  |                |
| Benefits paid to participants  | (21,400,416)   |
| Administrative expenses  | (688,296)      |
| Transfers out of Plan (Note B)   | (682,901)      |
| <br>   |                |
| Total deductions   | (22,771,613)   |
| <br>   |                |
| INCREASE IN NET ASSETS   | 28,981,281     |
| <br>   |                |
| NET ASSETS AVAILABLE FOR BENEFITS:   |                |
| Beginning of year  | 155,795,003    |
| <br>   |                |
| End of year  | \$ 184,776,284 |

The accompanying notes are an integral part of this statement.

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The Tenneco Employee Stock Ownership Plan for Hourly Employees  
**Notes to Financial Statements**  
**as of December 31, 2010 and 2009, and for the Year Ended December 31, 2010**

**A. Description of the Plan**

The following is a description of The Tenneco Employee Stock Ownership Plan for Hourly Employees (the *Plan*). Participants should refer to the Plan document for more complete information.

**General** The Plan is a defined contribution plan covering substantially all U.S. hourly employees of Tenneco Automotive Operating Company Inc. (the *Company*) and certain of its affiliates. The Company controls and manages the operation and administration of the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (*ERISA*).

**Master Trust** The Plan assets are held by Mellon Bank, N.A., as Trustee, in the Tenneco Defined Contribution Plans Master Trust (the *Master Trust*).

**Eligibility** Employees are eligible to participate in the Plan the first day of the month following the Company's receipt of an application for enrollment or after two complete calendar months of employment provided the employee has not waived automatic enrollment. Certain union employees are subject to different eligibility provisions, as defined in the Plan document.

**Contributions** An employee is automatically enrolled in the Plan upon completion of the eligibility requirements at a pretax contribution rate of 2% of pretax annual compensation, as defined in the Plan document, subject to certain Internal Revenue Code (*IRC*) limitations, unless the employee elects to waive automatic enrollment prior to the effective date. Participants can elect to increase the pretax deferral rate, subject to certain IRC limitations, from 2% up to 75%, in any whole percentage, at any time.

The Company's matching contribution is 50% of the participant's contributions, not to exceed a match level of 4% of the participant's base compensation. For participants hired on or after January 1, 2006, there is an additional 2% non-elective employer contribution after one year of service. Certain union employees are not eligible for the Company's matching contribution, as defined in the Plan document. Additional amounts may be contributed at the discretion of the Company. No such additional discretionary contributions were made for the years ended December 31, 2010 and 2009. Participants may also roll over amounts from other qualified plans.

Effective January 1, 2007, the Plan was amended to provide supplemental annual company contributions based upon a participant's age in accordance with an age-graded schedule for those employees who ceased to accrue benefits under the Company's defined benefit plans.

Effective January 1, 2009, the Company matching contribution was suspended for the Plan. The Company matching contribution was restored at its prior levels effective January 1, 2010.

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**Participant Accounts** Individual accounts are maintained for each Plan participant. Each participant's account is credited with the participant's contribution, the Company's matching contribution, and allocations of Company discretionary contributions and Plan earnings, and charged with withdrawals and an allocation of Plan losses and administrative expenses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

**Investments** Participants direct the investment of their contributions and the Company's matching contributions into various investment options offered by the Plan. The Plan currently offers participants the option to invest their contributions in the following types of funds: stable value (1 offered), Tenneco Inc. common stock (1 offered), and mutual funds (23 offered).

Shares of Pactiv Corporation common stock were held by the Plan in a separate fund due to a transfer of participant account balances from another defined contribution plan in 2000; however, the fund was no longer an investment option for participants and direct contributions or fund transfers into this fund were not allowed. The fund has no assets as of December 31, 2010.

**Vesting** Participants are vested immediately in both pretax and matching contributions plus actual earnings thereon. The Company's 2% non-elective employer contribution and supplemental annual company contributions cliff vest 3 years after an employee's date of hire; all other matching contributions vest immediately.

**Notes Receivable from Participants** Active participants and certain other individuals may borrow from their accounts a minimum of \$1,000 up to a maximum of \$50,000, less their highest outstanding loan balance in the previous 12 months or 50% of their account balance, whichever is less, as long as the participants or individuals have no outstanding loans. Each participant may only have one loan outstanding at any time, with a term not to exceed 54 months. The loans are secured by the balance in the participant's account and bear interest at rates equal to the prime rate as reported in *The Wall Street Journal* at the time the loan is made. Principal and interest are paid ratably through payroll deductions.

**Termination of Participation** Upon termination of service due to death, disability, retirement, or termination of employment, a participant is permitted to elect either to receive a lump-sum distribution equal to the value of the participant's vested interest in his or her account, or to maintain the account, if the participant's vested interest in the account was more than \$1,000. If the participant's account is less than \$1,000, the participant is required to receive a lump-sum amount or roll over the amount to another qualified plan or IRA.

**Forfeitures** At December 31, 2010 and 2009, forfeited nonvested accounts totaled \$45,107 and \$52,658, respectively. These forfeitures are used to reduce future employer contributions. For the year ended December 31, 2010, employer contributions were reduced by \$74,813 from forfeited nonvested accounts. If a participant terminates and is rehired within five years, any forfeited balance will be reinstated.

**Table of Contents****B. Summary of Significant Accounting Policies**

**Basis of Accounting** The financial statements of the Plan are prepared under the accrual method of accounting. Investment contracts held by a defined-contribution plan are required to be reported at fair value. However, contract value is the relevant measurement attributable for that portion of the net assets available for benefits of a defined-contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The Plan invests in investment contracts through the Mellon Stable Value Fund. The Statements of Net Assets Available for benefits presents the fair value of the Mellon Stable Value fund as well as the adjustment relating to the fully benefit-responsive investment contracts from fair value to contract value. The Statements of Changes in Net Assets Available for Benefits is prepared on a contract value basis.

**Use of Estimates** The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

**Risks and Uncertainties** The Plan utilizes various investment instruments, including common stock, mutual funds, and collective trusts funds. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participant account balances and the amounts reported in the statements of net assets available for benefits.

**Investment Valuation and Income Recognition** The Plan's investment in the Master Trust is presented at fair value, which has been determined based on the fair value of the underlying investments of the Master Trust. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Quoted market prices are used to determine the fair value of the Plan's investments, when available.

See Note D for discussion of fair value measurements.

Management fees and operating expenses charged to the Plan for investments in registered investment companies are deducted from income earned on a daily basis and are not separately reflected. Consequently, these management fees and operating expenses are reflected as a reduction of net appreciation (depreciation) in the fair market value of investments for such investments.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

**New Accounting Pronouncements**

In January 2010, the FASB issued an amendment which requires new disclosures about fair value measurements, including reasons for transfers of financial assets and liabilities between Levels 1 and 2 of the fair value measurement hierarchy. This amendment also requires fair value measurement disclosures for each class of financial assets and liabilities, and disclosures about inputs and valuation techniques are required for both Level 2 and Level 3 measurements. It further clarifies that the reconciliation of Level 3 measurements should separately present purchases, sales, issuance and settlements instead of netting these changes. With respect to matters other than the reconciliation of

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Level 3 measurements, the amendment was effective for periods beginning on or after December 15, 2009, and has been adopted. The guidance related to the reconciliation of Level 3 measurements is effective for periods beginning on or after December 15, 2010, and has not been adopted. Management is currently evaluating the impact of the guidance on financial statement disclosures.

In September 2010, the FASB issued guidance clarifying the classification and measurement of participant loans by defined contribution pension plans. That guidance requires that participant loans be classified as notes receivable from participants and measured at their unpaid principal balance, plus any accrued but unpaid interest. The plan adopted this new guidance in its December 31, 2010 financial statements and has reclassified participant loans of \$8,775,857 for the year ended December 31, 2009 from investments to notes receivable from participants. Net assets of the plan were not affected by the adoption of the new guidance.

***Net Appreciation/(Depreciation) in Fair Value of Investments*** Net realized and unrealized appreciation (depreciation) is recorded in the accompanying statements of changes in net assets available for benefits as investment income.

***Administrative Expenses*** Administrative expenses of the Plan are paid by the Plan as provided by the Plan document. The Master Trust is authorized to charge and collect from the fund expenses incurred, unless such expenses are paid directly by the Company.

***Payment of Benefits*** Benefit payments to participants, including deemed distributions of participant loans, are recorded when paid.

***Transfers*** The Company also sponsors an employee stock ownership plan for salaried employees. If employees change their hourly or salaried status during the year, their account balances are transferred into the corresponding plan.

**C. Investments**

Assets are held in a master trust as of December 31, 2010 and 2009, and the Plan's only investment is an investment in that master trust.

**D. Fair Value Measurements**

The Financial Accounting Standards Board ( FASB ) issued guidance which defines fair value, establishes a framework for measuring fair value under current accounting pronouncements that require or permit fair value measurement and enhances disclosures about fair value measurements. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The fair value hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

**Level 1** Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

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**Level 2** Inputs to the valuation methodology include quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in inactive markets, inputs other than quoted prices that are observable for the asset or liability, and inputs that are derived principally from or corroborated by observable market data by correlation or other means. If the asset or liability has a specified (contractual) term, the Level 2 inputs must be observable for substantially the full term of the asset or liability.

**Level 3** Inputs to the valuation methodology are unobservable and significant to the fair value measurement. The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used to determine fair value level need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used to measure assets at fair value. There have been no changes in the methodologies used at December 31, 2010 and 2009.

**Common stock** Valued at the closing price reported on the active market on which the individual securities are traded.

**Registered investment companies** Valued at the net asset value of shares held by Plan at year-end.

**Collective trusts** Valued at its net asset value of the Plan's interest in the collective trust based on information reported by the investment advisor using audited financial statements of the collective trust at year-end. The Mellon Stable Value Fund, a collective trust, is a stable value fund that may invest in fixed interest insurance investment contracts, money market funds, corporate and government bonds, mortgage-backed securities, bond funds, and other fixed income securities. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value on a daily basis. Contract value represents contributions made to the fund, plus earnings, less participant withdrawals. Were the plan to initiate a full redemption of the collective trust, the investment advisor reserves the right to temporarily delay withdrawal from the trust for up to twelve months in order to ensure that securities liquidations will be carried out in an orderly manner.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other Market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

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The following table sets forth by level, within the fair value hierarchy, the Master Trust's value as of December 31, 2010 and 2009:

*Assets at Fair Value as of December 31, 2010*

|  | <b>Level</b>          |             |                      |                       |
|--|-----------------------|-------------|----------------------|-----------------------|
|  | <b>Level 1</b>        | <b>2</b>    | <b>Level 3</b>       | <b>Total</b>          |
| Registered investment companies              |                       |             |                      |                       |
| Balanced funds                               | \$ 78,006,639         | \$          | \$                   | \$ 78,006,639         |
| Growth funds                                 | 43,622,813            |             |                      | 43,622,813            |
| Index funds                                  | 70,359,526            |             |                      | 70,359,526            |
| Value funds                                  | 25,792,749            |             |                      | 25,792,749            |
| Fixed income funds                           | 54,244,258            |             |                      | 54,244,258            |
| Target date funds                            | 18,135,616            |             |                      | 18,135,616            |
| Real estate funds                            | 3,105,799             |             |                      | 3,105,799             |
| <b>Total registered investment companies</b> | <b>293,267,400</b>    |             |                      | <b>293,267,400</b>    |
| Common stocks U.S.                           | 104,561,736           |             |                      | 104,561,736           |
| Collective trusts Fixed Funds                |                       |             | 80,756,960           | 80,756,960            |
| <b>Total assets at fair value</b>            | <b>\$ 397,829,136</b> | <b>\$ 0</b> | <b>\$ 80,756,960</b> | <b>\$ 478,586,096</b> |

*Assets at Fair Value as of December 31, 2009*

|  | <b>Level</b>          |             |                      |                       |
|--|-----------------------|-------------|----------------------|-----------------------|
|  | <b>Level 1</b>        | <b>2</b>    | <b>Level 3</b>       | <b>Total</b>          |
| Registered investment companies              |                       |             |                      |                       |
| Balanced funds                               | \$ 64,481,288         | \$          | \$                   | \$ 64,481,288         |
| Growth funds                                 | 36,697,856            |             |                      | 36,697,856            |
| Index funds                                  | 60,616,554            |             |                      | 60,616,554            |
| Value funds                                  | 21,955,583            |             |                      | 21,955,583            |
| Fixed income funds                           | 46,288,742            |             |                      | 46,288,742            |
| Other funds                                  | 16,469,636            |             |                      | 16,469,636            |
| <b>Total registered investment companies</b> | <b>246,509,659</b>    |             |                      | <b>246,509,659</b>    |
| Common stocks U.S.                           | 68,372,730            |             |                      | 68,372,730            |
| Collective trusts Fixed Funds                |                       |             | 66,281,327           | 66,281,327            |
| <b>Total assets at fair value</b>            | <b>\$ 314,882,389</b> | <b>\$ 0</b> | <b>\$ 66,281,327</b> | <b>\$ 381,163,716</b> |

**Table of Contents***Level 3 Gains and Losses*

The table below sets forth a summary of changes in the fair value of the Master Trust's Level 3 assets for the year ended December 31, 2010:

|  | <b>Collective<br/>Trusts</b> |
|--|------------------------------|
| Balance, beginning of year   | \$ 66,281,327                |
| Unrealized gains / (losses) relating to instruments still held at reporting date | 340,685                      |
| Purchases, sales, issuances and settlements (net)                                | 14,134,948                   |
| <br>   |                              |
| Balance, end of year   | \$ 80,756,960                |

There were no significant transfers between Level 1 and Level 2 investments during the year ended December 31, 2010.

**E. Exempt Party-in-Interest Transactions**

At December 31, 2010 and 2009, the Master Trust held shares of the Mellon Stable Value Fund which is managed by Mellon Bank, N.A and, therefore these transactions qualify as party-in-interest transactions. Fees paid by the Plan for investment management services were included as a reduction of the return earned on this investment.

At December 31, 2010 and 2009, the Master Trust held 2,502,986 and 3,688,477, respectively, shares of common stock of Tenneco Inc. the sponsoring employer, with a cost basis of \$52,422,164 and \$19,001,061, respectively.

**F. Plan Termination**

Although it has not expressed any intention to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in ERISA. In the event of a plan termination, participants would become 100% vested in employer contributions. Any assets which are not allocated to the accounts of participants upon the complete termination of the Plan, or complete discontinuance of the contributions, will be allocated among all the participant accounts pro rata on the basis of their respective balances.

**G. Federal Income Tax Status**

The Internal Revenue Service has determined and informed the Company by a letter, dated April 30, 2002, that the Plan was designed in accordance with applicable regulations of the IRC. The Plan has been amended since receiving the determination letter; however, the Company and the Plan administrator believe that the Plan is currently designed and operated in all material respects in compliance with the applicable requirements of the IRC and the Plan and related Trust continue to be tax-exempt. Further, a request was submitted on behalf of the Plan during 2010 for a new determination letter filing, with no response to this submission being received to date.

Therefore, no provision for income taxes has been included in the Plan's financial statements.

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Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the organization has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS or other applicable taxing authorities. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2010, there are no uncertain positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan administrator believes it is no longer subject to income tax examinations for years prior to 2007.

**H. Interest in Master Trust**

The Plan's investment assets are held in a trust account at the Trustee and consist of an undivided interest in an investment account of the Master Trust. Use of the Master Trust permits the commingling of trust assets for investment and administrative purposes. Although assets of both the Tenneco Employee Stock Ownership Plans for Hourly and Salaried Employees are commingled in the Master Trust, the Trustee maintains supporting records for the purpose of allocating the net gain or loss of the investment account to the participating plans. The net investment income of the investment assets is allocated by the Trustee to each participating plan based on the relationship of the interest of each plan to the total of the interests of the participating plans. The Master Trust is authorized to charge and collect from the fund expenses incurred, unless such expenses are paid directly by the Company.

The investments of the Master Trust as of December 31, 2010 and 2009, are summarized as follows:

|  | <b>2010</b>    | <b>2009</b>    |
|--|----------------|----------------|
| Investments, at fair value:  |                |                |
| Registered Investment Companies  | \$ 293,267,400 | \$ 246,509,659 |
| Collective trusts  | 80,756,960     | 66,281,327     |
| Pactiv common stock  | 0              | 3,024,894      |
| Tenneco Inc. common stock  | 104,561,736    | 65,347,836     |
| <br>   |                |                |
| Total investments at fair value  | 478,586,096    | 381,163,716    |
| <br>   |                |                |
| Adjustment from fair value to contract value for interest in collective trust related to fully benefit-responsive investment contracts | (1,202,311)    | (963,441)      |
| <br>   |                |                |
| Net assets of the Tenneco Defined Contribution Plans Master Trust at contract value  | \$ 477,383,785 | \$ 380,200,275 |
| <br>   |                |                |
| Plan's interest in net assets of the Master Trust at fair value  | \$ 176,467,528 | \$ 147,229,762 |
| <br>   |                |                |
| Plan's interest in net assets of the Master Trust at contract value  | \$ 175,979,248 | \$ 146,859,829 |
| <br>   |                |                |
| Plan's interest in net assets of the Master Trust as a percentage of the total at contract value                                       | 37%            | 39%            |

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The net investment earnings of the Master Trust for the year ended December 31, 2010, is summarized below:

|   |                |
|---|----------------|
| Dividend and interest income                                  | \$ 7,745,755   |
| Net appreciation/(depreciation) in fair value of investments: |                |
| Registered Investment Companies                               | 26,946,021     |
| Pactiv common stock   | 971,238        |
| Tenneco Inc. common stock                                     | 74,354,055     |
| Net appreciation in fair value of investments                 | 102,271,314    |
| Investment income of Master Trust                             | \$ 110,017,069 |

**I. Reconciliation of Financial Statements to Form 5500**

A reconciliation of net assets available for benefits per the financial statements to Form 5500 at December 31, 2010 and 2009, is as follows:

|  | <b>2010</b>    | <b>2009</b>    |
|--|----------------|----------------|
| Net assets available for benefits per the financial statements   | \$ 184,776,284 | \$ 155,795,003 |
| Less amounts allocated to withdrawing participants   | (1,697)        | (655,847)      |
| Add adjustment from contract value to fair value for interest in collective trust fund related to fully benefit-responsive contracts | 488,280        | 369,933        |
| Net assets available for benefits per Form 5500  | \$ 185,262,867 | \$ 155,509,089 |

A reconciliation of changes in net assets available for benefits per the financial statements for the year ended December 31, 2010 to Form 5500, is as follows:

|  |               |
|--|---------------|
| Investment income per the financial statements   | \$ 34,886,311 |
| Add adjustment from contract value to fair value for interest in collective trust fund related to fully benefit-responsive contracts for 2010  | 488,280       |
| Less adjustment from contract value to fair value for interest in collective trust fund related to fully benefit-responsive contracts for 2009 | (369,933)     |
| Investment income per Form 5500  | \$ 35,004,658 |

A reconciliation of benefits paid to participants per the financial statements for the year ended December 31, 2010, to Form 5500 is as follows:

|   |               |
|---|---------------|
| Benefits paid to participants per the financial statements              | \$ 21,400,416 |
| Add amounts allocated to withdrawing participants at December 31, 2010  | 1,697         |
| Less amounts allocated to withdrawing participants at December 31, 2009 | (655,847)     |
| Benefits paid to participants per Form 5500                             | \$ 20,746,266 |

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**Supplemental Schedule**

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The Tenneco Employee Stock Ownership Plan for Hourly Employees  
**Form 5500, Schedule H, Part IV, Line 4i Schedule of Assets (Held at End of Year)**  
**as of December 31, 2010**

| <b>Identity of Issuer/Description of Investment</b>                            | <b>Cost**</b> | <b>Fair Value</b> |
|--|---------------|-------------------|
| *Participant loans (maturing 2010 to 2014 at interest rates of 3.20% to 8.21%) | \$ 0          | \$ 8,534,711      |
| Total  | \$ 0          | \$ 8,534,711      |

\* Party-in-interest.

\*\* Cost information is not required for participant-directed investments and is therefore not included.

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SIGNATURES

*The Plan.* Pursuant to the requirements of the Securities and Exchange Act of 1934, the Tenneco Inc. Benefits Committee has duly caused this annual report to be signed on its behalf by the undersigned hereunder duly authorized.

THE TENNECO EMPLOYEE  
STOCK OWNERSHIP PLAN FOR  
HOURLY  
EMPLOYEES

Date: June 28, 2011

/s/ BARBARA A. KLUTH  
BARBARA A. KLUTH  
CHAIRMAN OF TENNECO INC.  
BENEFITS COMMITTEE

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INDEX TO EXHIBITS

| EXHIBIT<br>NUMBER | DESCRIPTION                   |
|-------------------|-------------------------------|
| 23.1              | Consent of Grant Thornton LLP |