

ALLEGHENY TECHNOLOGIES INC

Form 11-K

June 30, 2008

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

**FORM 11-K**

**ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

þ **ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 [NO FEE REQUIRED]**

FOR THE FISCAL YEAR ENDED DECEMBER 31, 2007

o **TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 [NO FEE REQUIRED]**

FOR THE TRANSITION PERIOD FROM \_\_\_\_\_ TO \_\_\_\_\_

COMMISSION FILE NUMBER 1-12001

**THE 401(K) PLAN**  
(Title of Plan)

**ALLEGHENY TECHNOLOGIES INCORPORATED**

(Name of Issuer of securities held pursuant to the Plan)

1000 Six PPG Place, Pittsburgh, Pennsylvania 15222-5479  
(Address of Plan and principal executive offices of Issuer)

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Audited Financial Statements and Supplemental Schedule  
The 401(k) Plan  
Years Ended December 31, 2007 and 2006  
With Report of Independent Registered Public Accounting Firm

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The 401(k) Plan  
Audited Financial Statements  
and Supplemental Schedule  
Years Ended December 31, 2007 and 2006  
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Report of Independent Registered Public Accounting Firm

Allegheny Technologies Incorporated

We have audited the accompanying statements of net assets available for benefits of The 401(k) Plan as of December 31, 2007 and 2006, and the related statements of changes in net assets available for benefits for the years then ended. 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. We were not engaged to perform an audit of the Plan's 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, and 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 at December 31, 2007 and 2006, and the changes in its net assets available for benefits for the years then ended, in conformity with U.S. generally accepted accounting principles

Our audits were performed for the purpose of forming an opinion on the financial statements taken as a whole. The accompanying supplemental schedule of assets (held at end of year) as of December 31, 2007 is presented for purposes of additional analysis and is not a required part of the 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. This supplemental schedule is the responsibility of the Plan's management. The supplemental schedule has been subjected to the auditing procedures applied in our audits of the financial statements and, in our opinion, is fairly stated in all material respects in relation to the financial statements taken as a whole.

/s/ Ernst & Young LLP  
Pittsburgh, Pennsylvania  
June 27, 2008

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The 401(k) Plan  
Statements of Net Assets Available for Benefits

|  | <b>December 31</b>        |                    |
|--|---------------------------|--------------------|
|  | <b>2007</b>               | <b>2006</b>        |
| Investments at fair value:   |                           |                    |
| Interest in common collective trusts   | <b>\$ 83,628,796</b>      | \$ 276,934         |
| Interest in registered investment companies  | <b>65,272,968</b>         | 88,959,173         |
| Interest in synthetic investment contracts   | <b>40,466,909</b>         |                    |
| Corporate common stocks  | <b>34,273,938</b>         | 38,265,185         |
| Participant loans  | <b>10,431,086</b>         | 8,937,587          |
| Interest-bearing cash  | <b>2,128,019</b>          | 6,770              |
| Interest in Allegheny Master Trust   |                           | 83,711,594         |
| Overdraft  |                           | (2,764)            |
| <br>Total investments at fair value  | <br><b>236,201,716</b>    | <br>220,154,479    |
| Contribution receivable  | <b>463,582</b>            |                    |
| Other payables, net  |                           | (180,621)          |
| <br>Net assets available for benefits at fair value  | <br><b>236,665,298</b>    | <br>219,973,858    |
| Adjustment from fair value to contract value for fully benefit-responsive investment contracts | <b>144,856</b>            | 572,611            |
| <br>Net assets available for benefits  | <br><b>\$ 236,810,154</b> | <br>\$ 220,546,469 |

*See accompanying notes.*

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The 401(k) Plan  
Statements of Changes in Net Assets Available for Benefits

|  | <b>Years Ended December 31</b> |                |
|--|--------------------------------|----------------|
|  | <b>2007</b>                    | <b>2006</b>    |
| Contributions:   |                                |                |
| Employer   | \$ 7,127,464                   | \$ 5,712,993   |
| Employee   | 17,716,776                     | 14,493,408     |
| <b>Total contributions</b>                                     | <b>24,844,240</b>              | 20,206,401     |
| Investment income:   |                                |                |
| Net gain from interest in registered investment companies      | 5,651,790                      | 7,937,943      |
| Net gain from interest in Allegheny Master Trust               | 3,786,688                      | 7,197,627      |
| Interest income  | 1,080,600                      | 550,565        |
| Net unrealized/realized gain (loss) on corporate common stocks | (650,163)                      | 27,241,550     |
| Net gain from interest in common collective trusts             | 220,632                        | 16,432         |
| Dividend income  | 107,703                        | 208,311        |
| Other income   | 375,082                        | 877            |
| <b>Total investment income</b>                                 | <b>10,572,332</b>              | 43,153,305     |
|  | <b>35,416,572</b>              | 63,359,706     |
| Distributions to participants                                  | (19,103,361)                   | (13,591,061)   |
| Administrative expenses and other, net                         | (49,526)                       | (48,886)       |
|  | <b>(19,152,887)</b>            | (13,639,947)   |
| <b>Net increase in net assets available for benefits</b>       | <b>16,263,685</b>              | 49,719,759     |
| <b>Net assets available for benefits at beginning of year</b>  | <b>220,546,469</b>             | 170,826,710    |
| <b>Net assets available for benefits at end of year</b>        | <b>\$ 236,810,154</b>          | \$ 220,546,469 |

*See accompanying notes.*

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The 401(k) Plan  
Notes to Financial Statements

**1. Significant Accounting Policies**

*Use of Estimates and Basis of Accounting*

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

The financial statements are prepared under the accrual basis of accounting.

*Accounting Pronouncement*

As described in Financial Accounting Standards Board Staff Position (FSP) AAG INV-1 and SOP 94-4-1, *Reporting of Fully Benefit-Responsive Investment Contracts Held by Certain Investment Companies Subject to the AICPA Investment Company Guide and Defined-Contribution Health and Welfare and Pension Plans*, fully benefit-responsive investment contracts held by a defined contribution plan are required to be reported at fair value in the Plan's Statement of Net Assets Available for Benefits with a corresponding adjustment to reflect these investments at contract value.

In September 2006, the Financial Accounting Standards Board issued Statement of Financial Accounting Standards No. 157, *Fair Value Measurement* (FAS 157). This standard clarifies the definition of fair value for financial reporting, establishes a framework for measuring fair value and requires additional disclosures about the use of fair value measurements. FAS 157 is effective for financial statements issued for fiscal years beginning after November 15, 2007. Plan management is currently evaluating the effect that the provisions of FAS 157 will have on the Plan's financial statements.

*Investment Valuation and Income recognition*

The Plan's investments are stated at fair value except for its benefit-responsive investment contracts, which are valued at contract value (see Note 3). Quoted market prices are used to value investments. Units of registered investment companies are valued at the net asset value of shares held by the Plan at year end. The fair value of the participation units in common collective trusts is based on quoted redemption value on the last business day of the Plan's year-end. Participant loans are valued at their outstanding balances, which approximate fair value.

Fully benefit-responsive guaranteed investment contracts (GICs) and synthetic investment contracts (SICs) are stated at contract value which is equal to principal balance plus accrued interest. As provided in the FSP, an investment contract is generally permitted to be valued at contract value, rather than fair value, to the extent it is fully benefit-responsive. Fair value of the GICs is estimated by discounting the weighted average cash flows at the then-current interest crediting rate for a comparable maturity investment contract. Fair value of the SICs is estimated based on the fair value of each contract's supporting assets at December 31, 2007 and 2006.

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The 401(k) Plan

Notes to Financial Statements (continued)

**1. Significant Accounting Policies (continued)**

Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. There are no reserves against contract value for credit risk of the contract issuer or otherwise.

Although it is management's intention to hold the investment contracts in the Standish Mellon Stable Value Fund until maturity, certain investment contracts provide for adjustments to contract value for withdrawals made prior to maturity.

**2. Description of the Plan**

The 401(k) Plan (the Plan) is a defined contribution plan and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

The purpose of the Plan is to provide retirement benefits to eligible employees through Company contributions and to encourage employee thrift by permitting eligible employees to defer a part of their compensation and contribute such deferral to the Plan. The Plan allows employees to contribute a portion of eligible wages each pay period through payroll deductions subject to Internal Revenue Code limitations. Qualifying employee contributions are partially matched by the respective employing companies which are affiliates of Allegheny Technologies Incorporated (ATI, the Plan Sponsor), up to the lesser of a maximum of \$1,000 annually for each participant, or 50% of participants deferrals up to a maximum of 3.5% of total eligible wages (except for Allvac and Wah Chang). For hourly employees of the Casting Service operation, the employing company matches 100% of the employee contributions up to 3.5% of total eligible wages. In addition, for certain Metalworking products union employees annual flat dollar contributions will be paid into the Plan at the end of each year provided the following criteria are met: the employee must have contributed a minimum of 2% of their total earnings for the year into the Plan; the employee must have completed a minimum of 1,000 hours during the calendar year; and the employee must be an active, nonunion employee as of December 31<sup>st</sup> of that year. The exceptions to this rule for certain Metalworking Products union employees are that 1.) employees who retire during the calendar year will remain eligible for this contribution, so long as they meet the 1,000-hour rule; such retirees will receive a prorated contribution, based on the number of months they worked in the year; however, an employee who terminates (not retires) prior to December 31<sup>st</sup> will not be eligible for this flat dollar contribution, regardless of the number of hours worked, and 2.) hourly bargained employees at the Casting Service operation receive the annual flat dollar contributions notwithstanding the above conditions. For certain union employees of Portland Forge, the matching rate is at 100% but is limited to a maximum matching contribution of \$1,000 and the Company will also make contributions of \$0.25 per hour worked.



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## The 401(k) Plan

## Notes to Financial Statements (continued)

**2. Description of the Plan (continued)**

The flat dollar contribution amounts for eligible Casting Service employees are based on the employee's years of service, as follows:

| <b>Years</b> | <b>Annual Amount of Contribution</b> |
|--------------|--------------------------------------|
| 0 to 4       | \$ 100                               |
| 5 to 9       | 500                                  |
| 10 to 14     | 600                                  |
| 15 to 19     | 700                                  |
| 20 to 24     | 800                                  |
| 25 to 29     | 1,000                                |
| 30 to 34     | 1,500                                |
| 35 or more   | 2,000                                |

The flat dollar contribution amounts for eligible Allvac and Wah Chang employees are based on the employee's years of service, as follows:

| <b>Years</b> | <b>Annual Amount of Contribution</b> |
|--------------|--------------------------------------|
| 0 to 4       | \$ 125                               |
| 5 to 9       | 625                                  |
| 10 to 14     | 750                                  |
| 15 to 19     | 875                                  |
| 20 to 24     | 1,000                                |
| 25 to 29     | 1,250                                |
| 30 to 34     | 1,875                                |
| 35 or more   | 2,500                                |

The Plan allows participants to direct their contributions, and contributions made on their behalf, to any of the investment alternatives. Unless otherwise specified by the participant, employer contributions are made to the State Street Target Retirement Fund that most closely matches the participant's 65 birthday date (e.g., State Street Target Retirement Fund 2020). Separate accounts are maintained by the Plan Sponsor for each participating employee. Trustee fees and asset management fees charged by the Plan's trustees, Mellon Bank, N.A., prior to September 1, 2007 and thereafter Mercer Trust Company, for the administration of all funds are charged against net assets available for benefits of the respective fund. Certain other expenses of administering the Plan are paid by the Plan Sponsor. Participants may make in-service and hardship withdrawals as outlined in the plan document. Participants are fully vested in their entire participant account balance.

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## The 401(k) Plan

## Notes to Financial Statements (continued)

**2. Description of the Plan (continued)**

Active employees can borrow up to 50% of their vested account balances minus any outstanding loans. The loan amounts are further limited to a minimum of \$500 and a maximum of \$50,000, and an employee can obtain no more than three loans at one time. Interest rates are determined based on commercially accepted criteria, and payment schedules vary based on the type of the loan. General-purpose loans are repaid over 6 to 60 months, and primary residence loans are repaid over periods up to 180 months. Payments are made by payroll deductions.

Further information about the Plan, including eligibility, vesting, contributions, and withdrawals, is contained in the plan document, summary plan description, and related contracts. These documents are available from the Plan Sponsor.

**3. Investments**

Prior to September 1, 2007, certain of the Plan's investments were in the Allegheny Master Trust, which had three separately managed institutional investment accounts: the T. Rowe Price Structured Research Common Trust Fund, the Alliance Capital Growth Pool, and the Standish Mellon Fixed Income Fund, which were valued on a unitized basis (collectively, the Allegheny Master Trust).

On September 1, 2007, as part of a change in the administration of the Plan, including changing the record keeper to Mercer Human Resources from Affiliated Computer Services, Inc., and changing the trustee to Mercer Trust Company from Mellon Bank, N.A., the investment options available to participants under the Plan were changed. Additionally, the Plan liquidated its investment in the Allegheny Master Trust.

The Allegheny Master Trust was established for the investment of assets of the Plan, and several other ATI sponsored retirement plans. Each participating retirement plan had an undivided interest in the Allegheny Master Trust.

Investment income and expenses were allocated to the plans based upon their pro rata share in the net assets on the Master Trust. At December 31, 2006, the Plan's interest in the net assets of the Alliance Capital Growth Pool, the Standish Mellon Fixed Income Fund, and the T. Rowe Price Structured Research Common Trust Fund held within the Allegheny Master Trust was as follows:

|   |        |
|---|--------|
| T. Rowe Price Structured Research Common Trust Fund | 57.55% |
| Standish Mellon Fixed Income Fund                   | 17.24  |
| Alliance Capital Growth Pool                        | 5.66   |

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The 401(k) Plan  
Notes to Financial Statements (continued)

**3. Investments (continued)**

The composition of the net assets of the Standish Mellon Fixed Income Fund held within the Allegheny Master Trust at December 31, 2006 was as follows:

|  |                |
|--|----------------|
| Guaranteed investment contracts:   |                |
| Principal Life   | \$ 1,368,618   |
| New York Life Insurance Company  | 895,330        |
|  | 2,263,948      |
| Synthetic guaranteed investment contracts:   |                |
| Monumental Life  | 60,286,128     |
| Rabobank   | 53,011,207     |
| Union Bank of Switzerland  | 39,206,620     |
| Bank of America  | 28,662,260     |
| State Street Bank  | 21,292,911     |
| IXIS Financial Products, Inc.  | 4,030,074      |
|  | 206,489,200    |
| Interest in common collective trusts   | 24,622,702     |
| Total net assets at fair value   | 233,375,850    |
| Wrap contracts at fair value   | (49,959)       |
| Adjustment from fair value to contract value for fully benefit-responsive investment contracts | 3,381,661      |
| Total net assets   | \$ 236,707,552 |

The Plan retained the Standish Mellon Fixed Income Fund, renamed as the Standish Mellon Stable Value Fund (the Fund), as an investment option in a separate account subsequent to liquidating the Plan's interest in the Allegheny Master Trust. The investments held by the Standish Mellon Stable Value Fund are separately reported in 2007. The Fund invests in guaranteed investment contracts (GICs) and actively managed structured or synthetic investment contracts (SICs). The GICs are promises by a bank or insurance company to repay principal plus a fixed rate of return through contract maturity. SICs differ from GICs in that there are specific assets supporting the SICs and these assets are owned by the Plan. The bank or insurance company issues a wrapper contract that allows participant-directed transactions to be made at contract value. The assets supporting the SICs were comprised of government agency bonds, corporate bonds, asset-backed securities (ABOs), and collateralized mortgage obligations (CMOs). Interest crediting rates on the GICs in the Fund are determined at the time of purchase. Interest crediting rates on the SICs are either: (1) set at the time of purchase for a fixed term and crediting rate, (2) set at the time of purchase for a fixed term and variable crediting rate, or (3) set at the time of purchase and reset monthly within a constant duration. A constant duration contract may specify a duration of 2.5 years and the crediting rate is adjusted monthly based upon quarterly rebalancing of eligible 2.5 year duration investment instruments at the time of each resetting; in effect the contract never matures. At December 31, 2007 and 2006, the interest crediting rates for GICs (2006 only) and Fixed Maturity SICs ranged from 4.30 % to 5.32 % and 4.30% to 5.34%, respectively.

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The 401(k) Plan  
Notes to Financial Statements (continued)

**3. Investments (continued)**

Average yields for all fully benefit-responsive investment contracts for the years ended December 31, 2007 and 2006 were as follows:

|   | <b>Years Ended December 31</b> |             |
|---|--------------------------------|-------------|
|   | <b>2007</b>                    | <b>2006</b> |
| Average yields:                                 |                                |             |
| Based on actual earnings                        | <b>4.72%</b>                   | 4.75%       |
| Based on interest rate credited to participants | <b>4.57%</b>                   | 4.64%       |

The following presents investments that represent 5% or more of the Plan's net assets as of December 31, 2007 and 2006:

|  | <b>December 31</b>  |             |
|--|---------------------|-------------|
|  | <b>2007</b>         | <b>2006</b> |
| State Street Global Advisors S&P 500 Fund            | <b>\$42,745,307</b> | \$          |
| Allegheny Technologies Incorporated common stock     | <b>34,273,938</b>   | 38,265,185  |
| Alliance Bernstein Small Mid Cap Value Fund          | <b>14,466,840</b>   |             |
| American Funds Growth Fund of America                | <b>13,146,382</b>   |             |
| American Funds Europacific Growth Fund               | <b>12,365,187</b>   |             |
| T. Rowe Price Structured Research Common Trust Fund* |                     | 41,540,492  |
| Standish Mellon Fixed Income Fund*                   |                     | 40,802,429  |
| Oakmark Balanced Fund                                |                     | 27,551,951  |
| Prudential Jennison Growth Fund, Class A Shares      |                     | 10,838,836  |

\* *Contract value*

The composition of net assets of the Alliance Capital Growth Pool at December 31, 2006 was as follows:

|   |                      |
|---|----------------------|
| Investment in pooled separate accounts: |                      |
| Alliance Equity Fund S.A. #4            | \$ 34,335,972        |
| Operating payables                      | (10,572)             |
| <b>Total net assets</b>                 | <b>\$ 34,325,400</b> |

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The 401(k) Plan  
Notes to Financial Statements (continued)

**3. Investments (continued)**

The composition of net assets of the T. Rowe Price Structured Research Common Trust Fund at December 31, 2006 was as follows:

|                                      |                   |
|--------------------------------------|-------------------|
| Interest in common collective trusts | \$ 72,210,981     |
| Payables                             | (34,228)          |
| <br>Total net assets                 | <br>\$ 72,176,753 |

The composition of the changes in net assets of the Allegheny Master Trust for the year ended December 31, 2006 is as follows:

|   | <b>Standish<br/>Mellon<br/>Fixed<br/>Income<br/>Fund</b> | <b>Alliance Capital<br/>Growth Pool</b> | <b>T. Rowe Price<br/>Structured Research<br/>Common Trust Fund</b> |
|---|--|---|--|
| Investment income (loss):                               |  |   |  |
| Interest income   | \$ 9,196,721   | \$                                      | \$   |
| Net realized/unrealized gain on corporate common stocks | 6,246  |   | 11,900   |
| Net loss, pooled separate accounts                      |  | (283,791)                               |  |
| Net gain, common collective trusts                      | 851,445  |   | 10,226,870   |
| Administrative expenses                                 | (242,636)  | (98,140)                                | (403,225)  |
| Transfers   | 14,124,671   | (5,060,685)                             | (3,924,321)  |
| <br>Net increase (decrease)                             | <br>23,936,447   | <br>(5,442,616)                         | <br>5,911,224  |
| Total net assets at beginning of year                   | 212,771,105  | 39,768,016                              | 66,265,529   |
| <br>Total net assets at end of year                     | <br>\$ 236,707,552                                       | <br>\$                                  | <br>\$ 72,176,753  |

Interest, realized and unrealized gains and losses, and management fees from the Allegheny Master Trust are included in the net gain from interest in Allegheny Master Trust on the statements of changes in net assets available for benefits for the year ended December 31, 2006.

**4. Income Tax Status**

The Plan has received a determination letter from the Internal Revenue Service dated July 12, 2003, stating that the Plan is qualified under Section 401(a) of the Internal Revenue Code (the Code) and, therefore, the related trust is exempt from taxation. Subsequent to this issuance of the determination letter, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification. The plan administrator believes the Plan is being operated in compliance with the applicable requirements of the Code and, therefore, believes the Plan, as amended, is qualified and the related trust is tax-exempt.

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The 401(k) Plan  
Notes to Financial Statements (continued)

**5. Plan Termination**

Although it has not expressed any intent to do so, the employing companies have the right under the Plan to discontinue their contributions at any time and to terminate their respective participation in the Plan subject to the provisions of ERISA. However, no such action may deprive any participant or beneficiary under the Plan of any vested right.

**6. Risks and Uncertainties**

The Plan invests in various investment securities. Investment securities are exposed to various risk such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

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

The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500:

|  | <b>December 31</b>   |               |
|--|----------------------|---------------|
|  | <b>2007</b>          | <b>2006</b>   |
| Net assets available for benefits per the financial statements | <b>\$236,810,154</b> | \$220,546,469 |
| Deemed distribution of benefits to participants                | <b>(83,739)</b>      | (33,234)      |
| Net assets available for benefits per the Form 5500            | <b>\$236,726,415</b> | \$220,513,235 |

The following is a reconciliation of benefits paid to participants per the financial statements to the Form 5500 for the year ended December 31, 2007:

|  |                      |
|--|----------------------|
| Benefits paid to participants per the financial statements   | <b>\$ 19,103,361</b> |
| Add: Amounts allocated on Form 5500 to deemed distributions for the year ended December 31, 2007         | <b>83,739</b>        |
| Less: 2006 deemed distributions per Form 5500 recorded in financial statements as a distribution in 2006 | <b>(33,234)</b>      |
| Benefits paid to participants per the Form 5500  | <b>\$ 19,153,866</b> |

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The 401(k) Plan  
 EIN: 25-1792394 Plan: 098  
 Schedule H, Line 4i-Schedule of Assets (Held at End of Year)  
 December 31, 2007

| <b>Description</b>                                  | <b>Current Value</b> |
|---|----------------------|
| Registered Investment Companies                     |                      |
| Alliance Bernstein Small Mid Cap Value Fund         | \$ 14,466,840        |
| American Funds Europacific Growth Fund              | 12,365,187           |
| American Funds Growth Fund of America               | 13,146,382           |
| MFS Value Fund                                      | 4,457,924            |
| Lord, Abbott Mid Cap Value Fund                     | 5,522,497            |
| MSIF Small Company Growth Fund                      | 5,545,286            |
| Western Asset Core Plus Bond Fund                   | 9,170,507            |
| Putnam Money Market Fund                            | 429,439              |
|   | \$ 65,104,062        |
| Self-directed accounts:                             |                      |
| Cash Balance Liability                              | \$ (24)              |
| Dreyfus Mid Cap Value Fund                          | 1,756                |
| Dreyfus Premier Emerging Markets Fund               | 4,931                |
| Dreyfus Premier Technology Growth Fund Class A      | 3,086                |
| Longleaf Partners International                     | 54,375               |
| Oakmark International Fund                          | 2,107                |
| Rydex Dynamic OTC 2X Strategy Fund                  | 244                  |
| Vanguard Health Care Fund                           | 44,501               |
| Vanguard Primecap Fund                              | 47,883               |
| Vanguard Windsor II Fund                            | 9,239                |
| Wells Fargo Advantage Specialized Tech Fund Class Z | 808                  |
|   | 168,906              |
| Total registered investment companies               | \$ 65,272,968        |
| Corporate Common Stock                              |                      |
| Allegheny Technologies Incorporated common stock*   | \$ 34,273,938        |
| Interest-Bearing Cash                               |                      |
| Mellon Stable Value Fund                            | \$ 1,400,451         |
| Natixis Financial                                   | 727,568              |
|   | \$ 2,128,019         |

|   |            |
|---|------------|
| Common Collective Trusts  |            |
| Mellon Stable Value Fund  | \$ 843,089 |
| SEI Fund  | 376,020    |
| State Street Global Advisors Target Retirement Income Fund      | 4,087,263  |
| State Street Global Advisors Target Retirement Income Fund 2010 | 7,313,748  |
| State Street Global Advisors Target Retirement Income Fund 2015 | 8,538,853  |
| State Street Global Advisors Target Retirement Income Fund 2020 | 6,428,273  |
| State Street Global Advisors Target Retirement Income Fund 2025 | 5,198,759  |
| State Street Global Advisors Target Retirement Income Fund 2030 | 2,786,763  |
| State Street Global Advisors Target Retirement Income Fund 2035 | 2,292,663  |
| State Street Global Advisors Target Retirement Income Fund 2040 | 1,234,822  |
| State Street Global Advisors Target Retirement Income Fund 2045 | 946,030    |
| State Street Global Advisors S&P 500 Index Fund                 | 42,745,307 |

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The 401(k) Plan  
 EIN: 25-1792394 Plan: 098  
 Schedule H, Line 4i-Schedule of Assets (Held at End of Year)  
 December 31, 2007

| <b>Description</b>   | <b>Current Value</b> |
|--|----------------------|
| State Street Global Advisors MSCI ACWI Ex-US Fund              | 837,206              |
|  | \$ 83,628,796        |
| Fixed Maturity Synthetic Contracts:                            |                      |
| Credit Cards, CCIT 03-A6 A6                                    | \$ 360,150           |
| Rate Redu Bonds, COMED 98-1 A7                                 | 121,027              |
| Fannie Mae, FNR 2002-74 LC                                     | 165,629              |
| Freddie Mac, FHR 2627 BU                                       | 610,733              |
| Freddie Mac, FHR 2640 TL                                       | 358,854              |
| Freddie Mac, FHR 2715 ND                                       | 391,674              |
| Freddie Mac, FHR 2760 EB                                       | 362,033              |
| Freddie Mac, FHR 2786 PC                                       | 181,644              |
| Freddie Mac, FHR 2865 PQ                                       | 537,433              |
| Freddie Mac, FHR 2866 XD                                       | 537,419              |
| Freddie Mac, FHR 2870 BD                                       | 362,863              |
| Freddie Mac, FHR 2888 OW                                       | 254,820              |
| GNMA Project Loans, GNR 06-51 A                                | 425,420              |
| Rate Redu Bonds, PSNH 01-1 A2                                  | 75,628               |
| Bank of America, N.A. Wrap contract                            | (5,682)              |
| Bank of America, N.A. Fixed Maturity Synthetic Contract 03-040 | 4,739,645            |
| Rate Redu Bonds, DESF 01-1 A3                                  | 69,671               |
| Freddie Mac, FHR 2539 PR                                       | 69,477               |
| Rabobank Wrap contract   | (37)                 |
| Rabobank Fixed Maturity Synthetic Contract ATI020101           | 139,111              |
| Auto, BASAT 06-G1 A4   | 547,297              |
| CMBS, CD 05-CD1 A2 FX  | 182,124              |
| Rate Redu Bonds, CNP 05-1 A2                                   | 551,334              |
| Freddie Mac, FHR 2631 LB                                       | 342,813              |
| Freddie Mac, FHR 2681 PC                                       | 546,068              |
| Freddie Mac, FHR 2778 KR                                       | 179,992              |
| Freddie Mac, FHR 2981 NB                                       | 417,315              |
| CMBS, MLMT 05-CIP1 A2  | 723,984              |
| CMBS, MLMT 05-CKI1 A2  | 364,750              |
| State Street Bank Wrap contract                                | (15,553)             |
| State Street Bank Fixed Maturity Synthetic Contract 105028     | 3,840,124            |

|                               |         |
|-------------------------------|---------|
| CMBS, BSCMS 05-T18 A2         | 269,665 |
| CMBS, BSCMS 99-WF2 A2         | 443,208 |
| CMBS, BSCMS 03-T12 A2         | 330,028 |
| CMBS, CASC 98-D7 A1B          | 436,821 |
| Credit Cards, COMET 03-A4 A4  | 539,570 |
| Credit Cards, CCCIT, 03-A3 A3 | 454,563 |
| CMBS, DLJCM 98-CF2 A1B        | 326,791 |
| Freddie Mac, FHR 2663 ML      | 635,993 |
| Freddie Mac, FHR 2763 PC      | 477,384 |
| Freddie Mac, FHR 2921 NV      | 269,212 |
| Freddie Mac, FHR 2934 OC      | 365,708 |
| CMBS, HFCMC 99-PH1 A2         | 307,777 |
| CMBS, JPMCC 05-LDP2 A2        | 358,722 |

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The 401(k) Plan  
 EIN: 25-1792394 Plan: 098  
 Schedule H, Line 4i-Schedule of Assets (Held at End of Year)  
 December 31, 2007

| <b>Description</b>   | <b>Current Value</b> |
|--|----------------------|
| Credit Cards, MBNAS 03-A1 A1   | 451,636              |
| CMBS, MSC 99-CAM1 A4   | 129,007              |
| Auto, NALT 06-A A4   | 730,872              |
| Auto, VWALT 06-A A4  | 274,143              |
| Union Bank of Switzerland Wrap contract                                  | 24,901               |
| <br>   |                      |
| Union Bank of Switzerland Fixed Maturity Synthetic Contract 2970         | 6,826,001            |
| <br>   |                      |
| Total Fixed Maturity Synthetic Contracts                                 | \$ 15,544,881        |
| <br>   |                      |
| Constant Duration Synthetic Contracts:                                   |                      |
| Barclays Global Investors, 1-3 Year Government Bond Index Fund           | \$ 636,682           |
| Barclays Global Investors, Asset-Backed Sec Index Fund                   | 2,879,718            |
| Barclays Global Investors, Comm Mortgage-Backed Sec Fund                 | 983,817              |
| Barclays Global Investors, Int Term Credit Bond Index Fund               | 2,445,952            |
| Barclays Global Investors, Int Term Government Bond Index Fund           | 792,035              |
| Barclays Global Investors, Long Term Government Bond Index Fund          | 51,636               |
| Barclays Global Investors, Mortgage-Backed Sec Index Fund                | 1,971,523            |
| Barclays Global Investors, Money Market Fund For EBT                     | 3                    |
| Monumental Life Ins. Co. Wrap contract                                   | 47,338               |
| <br>   |                      |
| Monumental Life Ins. Co. Constant Duration Synthetic Contract MDA00413TR | 9,808,704            |
| <br>   |                      |
| Barclays Global Investors, 1-3 Year Government Bond Index Fund           | 646,279              |
| Barclays Global Investors, Asset-Backed Sec Index Fund                   | 2,923,075            |
| Barclays Global Investors, Comm Mortgage-Backed Sec Fund                 | 998,714              |
| Barclays Global Investors, Int Term Credit Bond Index Fund               | 2,482,749            |
| Barclays Global Investors, Int Term Government Bond Index Fund           | 804,114              |
| Barclays Global Investors, Long Term Government Bond Index Fund          | 51,671               |
| Barclays Global Investors, Mortgage-Backed Sec Index Fund                | 2,001,219            |
| Rabobank Wrap contract   | 68,927               |
| <br>   |                      |
| Rabobank Constant Duration Synthetic Contract ATI060301                  | 9,976,748            |
| <br>   |                      |
| Barclays Global Investors, 1-3 Year Government Bond Index Fund           | 342,829              |
| Barclays Global Investors, Asset-Backed Sec Index Fund                   | 1,550,617            |
| Barclays Global Investors, Comm Mortgage-Backed Sec Fund                 | 529,747              |
| Barclays Global Investors, Int Term Credit Bond Index Fund               | 1,317,051            |
| Barclays Global Investors, Int Term Government Bond Index Fund           | 426,480              |
| Barclays Global Investors, Long Term Government Bond Index Fund          | 27,804               |
| Barclays Global Investors, Mortgage-Backed Sec Index Fund                | 1,061,941            |

|   |               |
|---|---------------|
| Barclays Global Investors, Money Market Fund For EBT              | 1             |
| State Street Bank Wrap contract                                   | 24,962        |
| State Street Bank Constant Duration Synthetic Contract 107073     | 5,281,432     |
| Total Constant Duration Synthetic Contracts                       | \$ 25,066,884 |
| Participant loans* (4.00% to 9.50%, with maturities through 2022) | \$ 10,431,086 |

\* Party-in-interest

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the administrators of the Plan have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

**ALLEGHENY TECHNOLOGIES  
INCORPORATED  
THE 401K PLAN**

Date: June 30, 2008

By: /s/ Dale G. Reid

Dale G. Reid  
Vice President-Controller, Chief  
Accounting Officer and Treasurer  
(Principal Accounting Officer and Duly  
Authorized Officer)

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