

Western Asset Investment Grade Defined Opportunity Trust Inc.
Form N-Q
October 25, 2010

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

FORM N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANY**

Investment Company Act file number 811-22294

Western Asset Investment Grade Defined Opportunity Trust Inc.
(Exact name of registrant as specified in charter)

55 Water Street, New York, NY
(Address of principal executive offices)

10041
(Zip code)

Robert I. Frenkel, Esq.

Legg Mason & Co., LLC

100 First Stamford Place

Stamford, CT 06902
(Name and address of agent for service)

Registrant's telephone number, including area code: (888)777-0102

Date of fiscal year end: November 30

Date of reporting period: August 31, 2010

ITEM 1.

SCHEDULE OF INVESTMENTS

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC. (IGI)

FORM N-Q

AUGUST 31, 2010

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|---|---------|------------------|----------------|-------------------|
| CORPORATE BONDS & NOTES 93.8% | | | | |
| CONSUMER DISCRETIONARY 9.5% | | | | |
| Hotels, Restaurants & Leisure 0.8% | | | | |
| Harrah's Operating Co. Inc., Senior Secured Notes | 11.250% | 6/1/17 | \$ 1,250,000 | \$ 1,343,750 |
| Yum! Brands Inc., Senior Notes | 3.875% | 11/1/20 | 390,000 | 388,993 |
| <i>Total Hotels, Restaurants & Leisure</i> | | | | <i>1,732,743</i> |
| Household Durables 0.8% | | | | |
| Fortune Brands Inc., Senior Notes | 4.875% | 12/1/13 | 720,000 | 775,956 |
| Stanley Black & Decker Inc., Senior Notes | 5.200% | 9/1/40 | 1,010,000 | 1,009,243 |
| <i>Total Household Durables</i> | | | | <i>1,785,199</i> |
| Internet & Catalog Retail 0.2% | | | | |
| QVC Inc., Senior Secured Notes | 7.375% | 10/15/20 | 500,000 | 510,000(a) |
| Leisure Equipment & Products 0.2% | | | | |
| Hasbro Inc., Senior Notes | 6.350% | 3/15/40 | 370,000 | 385,441 |
| Media 7.0% | | | | |
| Comcast Corp., Bonds | 6.400% | 5/15/38 | 2,500,000 | 2,849,012 |
| Comcast Corp., Senior Notes | 5.700% | 7/1/19 | 1,500,000 | 1,707,858 |
| DISH DBS Corp., Senior Notes | 7.875% | 9/1/19 | 1,250,000 | 1,309,375 |
| Globo Comunicacoes e Participacoes SA, Bonds | 7.250% | 4/26/22 | 1,000,000 | 1,065,000(a) |
| News America Inc., Senior Notes | 6.650% | 11/15/37 | 2,400,000 | 2,789,515 |
| Omnicom Group Inc., Notes | 6.250% | 7/15/19 | 1,760,000 | 2,062,389 |
| Time Warner Cable Inc., Debentures | 7.300% | 7/1/38 | 500,000 | 619,916 |
| Time Warner Cable Inc., Senior Notes | 8.750% | 2/14/19 | 1,100,000 | 1,445,081 |
| Univision Communications Inc., Senior Secured Notes | 12.000% | 7/1/14 | 1,000,000 | 1,088,750(a) |
| WPP Finance UK, Senior Notes | 8.000% | 9/15/14 | 1,000,000 | 1,177,520 |
| <i>Total Media</i> | | | | <i>16,114,416</i> |
| Textiles, Apparel & Luxury Goods 0.5% | | | | |
| Oxford Industries Inc., Senior Secured Notes | 11.375% | 7/15/15 | 1,000,000 | 1,120,000 |
| TOTAL CONSUMER DISCRETIONARY | | | | 21,647,799 |
| CONSUMER STAPLES 6.2% | | | | |
| Beverages 1.2% | | | | |
| Anheuser-Busch InBev Worldwide Inc., Senior Notes | 7.750% | 1/15/19 | 1,000,000 | 1,282,839(a) |
| Diageo Capital PLC, Notes | 5.750% | 10/23/17 | 1,200,000 | 1,410,989 |
| <i>Total Beverages</i> | | | | <i>2,693,828</i> |
| Food & Staples Retailing 0.8% | | | | |
| CVS Caremark Corp., Senior Notes | 6.600% | 3/15/19 | 600,000 | 721,209 |
| Safeway Inc., Senior Notes | 6.250% | 3/15/14 | 875,000 | 1,009,969 |
| <i>Total Food & Staples Retailing</i> | | | | <i>1,731,178</i> |
| Food Products 2.0% | | | | |
| Kraft Foods Inc., Senior Notes | 5.375% | 2/10/20 | 1,030,000 | 1,146,801 |
| Mead Johnson Nutrition Co., Senior Notes | 4.900% | 11/1/19 | 1,080,000 | 1,191,793 |
| Ralcorp Holdings Inc., Senior Secured Notes | 4.950% | 8/15/20 | 600,000 | 633,498 |
| Smithfield Foods Inc., Senior Secured Notes | 10.000% | 7/15/14 | 1,500,000 | 1,681,875(a) |
| <i>Total Food Products</i> | | | | <i>4,653,967</i> |
| Tobacco 2.2% | | | | |

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| | | | | |
|--|--------|---------|-----------|------------------|
| Altria Group Inc., Senior Notes | 9.250% | 8/6/19 | 1,000,000 | 1,312,651 |
| Lorillard Tobacco Co., Senior Notes | 8.125% | 6/23/19 | 600,000 | 692,593 |
| Lorillard Tobacco Co., Senior Notes | 8.125% | 5/1/40 | 680,000 | 720,432 |
| Reynolds American Inc., Senior Secured Notes | 7.625% | 6/1/16 | 2,000,000 | 2,349,490 |
| <i>Total Tobacco</i> | | | | <i>5,075,166</i> |
| TOTAL CONSUMER STAPLES | | | | 14,154,139 |
| ENERGY 10.2% | | | | |
| Energy Equipment & Services 0.2% | | | | |
| Baker Hughes Inc., Senior Notes | 5.125% | 9/15/40 | 420,000 | 440,540 |
| Oil, Gas & Consumable Fuels 10.0% | | | | |
| Anadarko Petroleum Corp., Senior Notes | 5.950% | 9/15/16 | 600,000 | 594,982 |
| Anadarko Petroleum Corp., Senior Notes | 6.375% | 9/15/17 | 80,000 | 79,271 |
| Anadarko Petroleum Corp., Senior Notes | 6.450% | 9/15/36 | 770,000 | 669,781 |

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|--|---------|---------------|--------------|---------------|
| Oil, Gas & Consumable Fuels continued | | | | |
| ConocoPhillips, Notes | 6.500% | 2/1/39 | \$ 1,500,000 | \$ 1,919,502 |
| DCP Midstream LLC, Senior Notes | 9.750% | 3/15/19 | 1,000,000 | 1,330,444 (a) |
| Devon Financing Corp. ULC, Debentures | 7.875% | 9/30/31 | 1,000,000 | 1,367,821 |
| Enterprise Products Operating LP, Senior Notes | 9.750% | 1/31/14 | 2,000,000 | 2,453,568 |
| EOG Resources Inc., Senior Notes | 6.875% | 10/1/18 | 800,000 | 1,004,292 |
| Hess Corp., Notes | 8.125% | 2/15/19 | 1,400,000 | 1,827,594 |
| Hess Corp., Notes | 7.875% | 10/1/29 | 440,000 | 570,850 |
| Hess Corp., Senior Bonds | 6.000% | 1/15/40 | 520,000 | 571,791 |
| Kinder Morgan Energy Partners LP, Senior Notes | 5.950% | 2/15/18 | 800,000 | 896,602 |
| Pemex Project Funding Master Trust, Senior Bonds | 6.625% | 6/15/35 | 1,000,000 | 1,092,483 |
| Petrobras International Finance Co., Senior Notes | 5.750% | 1/20/20 | 1,109,000 | 1,194,256 |
| Petroleos Mexicanos, Bonds | 5.500% | 1/21/21 | 250,000 | 262,212 (a) |
| Quicksilver Resources Inc., Senior Notes | 11.750% | 1/1/16 | 1,000,000 | 1,155,000 |
| Shell International Finance BV, Senior Notes | 3.100% | 6/28/15 | 50,000 | 52,406 |
| Shell International Finance BV, Senior Notes | 6.375% | 12/15/38 | 1,500,000 | 1,913,106 |
| Statoil ASA, Senior Notes | 3.125% | 8/17/17 | 230,000 | 237,740 |
| TNK-BP Finance SA, Senior Notes | 7.500% | 3/13/13 | 870,000 | 939,600 (a) |
| Valero Energy Corp., Senior Notes | 9.375% | 3/15/19 | 700,000 | 893,360 |
| Williams Partners LP, Senior Notes | 5.250% | 3/15/20 | 460,000 | 497,466 |
| XTO Energy Inc., Senior Notes | 5.750% | 12/15/13 | 500,000 | 573,793 |
| XTO Energy Inc., Senior Notes | 5.500% | 6/15/18 | 780,000 | 934,197 |
| <i>Total Oil, Gas & Consumable Fuels</i> | | | | 23,032,117 |
| TOTAL ENERGY | | | | 23,472,657 |
| FINANCIALS 30.8% | | | | |
| Capital Markets 7.0% | | | | |
| Bear Stearns Cos. LLC, Senior Notes | 7.250% | 2/1/18 | 3,070,000 | 3,727,711 |
| Goldman Sachs Group Inc., Senior Notes | 3.700% | 8/1/15 | 570,000 | 577,680 |
| Goldman Sachs Group Inc., Senior Notes | 5.950% | 1/18/18 | 4,250,000 | 4,608,101 |
| Goldman Sachs Group Inc., Senior Notes | 7.500% | 2/15/19 | 500,000 | 584,020 |
| Goldman Sachs Group Inc., Senior Notes | 5.375% | 3/15/20 | 470,000 | 485,982 |
| Merrill Lynch & Co. Inc., Notes | 6.875% | 4/25/18 | 990,000 | 1,091,141 |
| Morgan Stanley, Medium-Term Notes | 6.625% | 4/1/18 | 1,750,000 | 1,925,996 |
| Morgan Stanley, Senior Notes | 5.500% | 1/26/20 | 1,950,000 | 1,978,260 |
| Morgan Stanley, Senior Notes | 5.500% | 7/24/20 | 200,000 | 201,876 |
| UBS AG Stamford CT, Senior Notes | 4.875% | 8/4/20 | 790,000 | 823,329 |
| <i>Total Capital Markets</i> | | | | 16,004,096 |
| Commercial Banks 5.5% | | | | |
| BankAmerica Institutional Capital A, Junior Subordinated Bonds | 8.070% | 12/31/26 | 240,000 | 246,600 (a) |

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|--|---------|----------|-----------|-------------------|-----|
| BankAmerica Institutional Capital B, Junior Subordinated Bonds | 7.700% | 12/31/26 | 250,000 | 251,875 | (a) |
| Commonwealth Bank of Australia, Senior Notes | 5.000% | 10/15/19 | 110,000 | 118,993 | (a) |
| Credit Suisse New York, Senior Notes | 5.300% | 8/13/19 | 560,000 | 616,421 | |
| Royal Bank of Scotland Group PLC, Senior Notes | 6.400% | 10/21/19 | 1,580,000 | 1,692,141 | |
| Royal Bank of Scotland Group PLC, Subordinated Notes | 5.000% | 11/12/13 | 120,000 | 120,899 | |
| Royal Bank of Scotland Group PLC, Subordinated Notes | 5.000% | 10/1/14 | 740,000 | 744,414 | |
| Royal Bank of Scotland PLC, Senior Notes | 4.875% | 3/16/15 | 100,000 | 104,456 | |
| Santander US Debt SA Unipersonal, Senior Notes | 2.485% | 1/18/13 | 600,000 | 591,170 | (a) |
| Santander US Debt SA Unipersonal, Senior Notes | 3.724% | 1/20/15 | 700,000 | 698,801 | (a) |
| Sumitomo Mitsui Banking Corp., Senior Notes | 3.150% | 7/22/15 | 220,000 | 228,944 | (a) |
| Svenska Handelsbanken AB, Senior Notes | 4.875% | 6/10/14 | 2,100,000 | 2,279,378 | (a) |
| Wachovia Corp., Senior Notes | 5.750% | 2/1/18 | 4,400,000 | 4,978,987 | |
| <i>Total Commercial Banks</i> | | | | <i>12,673,079</i> | |
| Consumer Finance 3.4% | | | | | |
| American Express Co., Senior Notes | 8.125% | 5/20/19 | 2,760,000 | 3,557,254 | |
| FMG Finance Pty Ltd., Senior Secured Notes | 10.625% | 9/1/16 | 1,250,000 | 1,454,687 | (a) |
| Ford Motor Credit Co., LLC, Senior Notes | 12.000% | 5/15/15 | 1,000,000 | 1,182,908 | |
| SLM Corp., Medium-Term Notes, Senior Notes | 8.000% | 3/25/20 | 1,850,000 | 1,621,316 | |
| <i>Total Consumer Finance</i> | | | | <i>7,816,165</i> | |

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|---|--------|---------------|--------------|--------------|
| Diversified Financial Services 10.0% | | | | |
| Bank of America Corp., Senior Notes | 7.625% | 6/1/19 | \$ 2,760,000 | \$ 3,235,769 |
| Bank of America Corp., Senior Notes | 5.625% | 7/1/20 | 240,000 | 247,718 |
| Boeing Capital Corp., Senior Notes | 4.700% | 10/27/19 | 680,000 | 765,917 |
| Citigroup Inc., Senior Notes | 6.000% | 12/13/13 | 550,000 | 593,807 |
| Citigroup Inc., Senior Notes | 6.375% | 8/12/14 | 300,000 | 328,540 |
| Citigroup Inc., Senior Notes | 5.500% | 10/15/14 | 470,000 | 500,978 |
| Citigroup Inc., Senior Notes | 6.010% | 1/15/15 | 200,000 | 215,650 |
| Citigroup Inc., Senior Notes | 6.000% | 8/15/17 | 2,250,000 | 2,414,835 |
| Citigroup Inc., Senior Notes | 8.500% | 5/22/19 | 500,000 | 612,371 |
| Citigroup Inc., Senior Notes | 6.875% | 3/5/38 | 3,000,000 | 3,259,395 |
| Citigroup Inc., Senior Notes | 8.125% | 7/15/39 | 1,350,000 | 1,685,231 |
| General Electric Capital Corp., Senior Notes | 6.000% | 8/7/19 | 790,000 | 889,393 |
| General Electric Capital Corp., Senior Notes | 5.500% | 1/8/20 | 1,080,000 | 1,184,123 |
| General Electric Capital Corp., Senior Notes | 6.875% | 1/10/39 | 2,540,000 | 2,983,047 |
| International Lease Finance Corp., Medium-Term Notes, Senior Notes | 5.750% | 6/15/11 | 500,000 | 501,875 |
| International Lease Finance Corp., Senior Notes | 8.875% | 9/1/17 | 810,000 | 820,125 |
| International Lease Finance Corp., Senior Secured Notes | 6.500% | 9/1/14 | 130,000 | 133,900(a) |
| International Lease Finance Corp., Senior Secured Notes | 6.750% | 9/1/16 | 670,000 | 688,425(a) |
| JPMorgan Chase & Co., Senior Notes | 6.400% | 5/15/38 | 1,500,000 | 1,821,957 |
| <i>Total Diversified Financial Services</i> | | | | 22,883,056 |
| Insurance 3.5% | | | | |
| ACE INA Holdings Inc., Senior Notes | 5.600% | 5/15/15 | 1,300,000 | 1,471,612 |
| Chubb Corp., Senior Notes | 5.750% | 5/15/18 | 600,000 | 693,237 |
| Chubb Corp., Senior Notes | 6.500% | 5/15/38 | 600,000 | 737,760 |
| CNA Financial Corp., Senior Notes | 5.875% | 8/15/20 | 460,000 | 463,867 |
| Delphi Financial Group Inc., Senior Notes | 7.875% | 1/31/20 | 290,000 | 324,101 |
| MetLife Inc., Senior Notes | 6.817% | 8/15/18 | 1,500,000 | 1,790,530 |
| Nationwide Mutual Insurance Co., Notes | 9.375% | 8/15/39 | 520,000 | 633,455(a) |
| Teachers Insurance & Annuity Association of America - College Retirement Equity Fund, Notes | 6.850% | 12/16/39 | 1,050,000 | 1,319,247(a) |
| Travelers Cos. Inc., Senior Notes | 6.250% | 6/15/37 | 400,000 | 477,666 |
| <i>Total Insurance</i> | | | | 7,911,475 |
| Real Estate Investment Trusts (REITs) 0.3% | | | | |
| Digital Realty Trust LP, Bonds | 5.875% | 2/1/20 | 40,000 | 42,479(a) |
| WEA Finance LLC/WT Finance Aust Pty. Ltd., Senior Notes | 6.750% | 9/2/19 | 580,000 | 679,711(a) |

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|--|---------|----------|-----------|--|--------------------------|
| <i>Total Real Estate Investment Trusts (REITs)</i> | | | | | 722,190 |
| Thriffs & Mortgage Finance 1.1% | | | | | |
| Countrywide Financial Corp., Medium-Term Notes | 5.800% | 6/7/12 | 2,300,000 | | 2,447,244 |
| TOTAL FINANCIALS | | | | | 70,457,305 |
| HEALTH CARE 6.8% | | | | | |
| Health Care Equipment & Supplies 0.5% | | | | | |
| Biomet Inc., Senior Toggle Notes | 10.375% | 10/15/17 | 1,000,000 | | 1,092,500 ^(b) |
| Health Care Providers & Services 3.6% | | | | | |
| Aetna Inc., Senior Notes | 3.950% | 9/1/20 | 860,000 | | 852,617 |
| AmerisourceBergen Corp., Senior Notes | 4.875% | 11/15/19 | 440,000 | | 478,013 |
| Humana Inc., Senior Notes | 6.450% | 6/1/16 | 1,000,000 | | 1,108,825 |
| Humana Inc., Senior Notes | 7.200% | 6/15/18 | 1,000,000 | | 1,147,280 |
| McKesson Corp., Senior Notes | 6.500% | 2/15/14 | 600,000 | | 689,135 |
| Tenet Healthcare Corp., Senior Secured Notes | 10.000% | 5/1/18 | 1,000,000 | | 1,130,000 ^(c) |
| UnitedHealth Group Inc., Senior Notes | 4.875% | 2/15/13 | 1,300,000 | | 1,390,763 |
| WellPoint Inc., Notes | 5.250% | 1/15/16 | 1,200,000 | | 1,345,684 |
| WellPoint Inc., Senior Notes | 4.350% | 8/15/20 | 140,000 | | 144,509 |
| <i>Total Health Care Providers & Services</i> | | | | | 8,286,826 |
| Life Sciences Tools & Services 0.3% | | | | | |
| Life Technologies Corp., Senior Notes | 6.000% | 3/1/20 | 650,000 | | 743,297 |
| Pharmaceuticals 2.4% | | | | | |
| GlaxoSmithKline Capital Inc., Senior Bonds | 5.650% | 5/15/18 | 1,500,000 | | 1,784,226 |

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|--|---------|------------------|----------------|--------------|
| Pharmaceuticals continued | | | | |
| Pfizer Inc., Senior Notes | 7.200% | 3/15/39 | \$ 560,000 | \$ 784,921 |
| Roche Holdings Inc., Senior Notes | 6.000% | 3/1/19 | 1,100,000 | 1,336,171(a) |
| Wyeth, Notes | 5.950% | 4/1/37 | 1,300,000 | 1,570,958 |
| <i>Total Pharmaceuticals</i> | | | | 5,476,276 |
| TOTAL HEALTH CARE | | | | 15,598,899 |
| INDUSTRIALS 5.5% | | | | |
| Aerospace & Defense 0.6% | | | | |
| BAE Systems Holdings Inc., Senior Notes | 5.200% | 8/15/15 | 420,000 | 463,118(a) |
| L-3 Communications Corp., Senior Notes | 5.200% | 10/15/19 | 380,000 | 409,593 |
| L-3 Communications Corp., Senior Subordinated Notes | 5.875% | 1/15/15 | 100,000 | 102,375 |
| L-3 Communications Corp., Senior Subordinated Notes | 6.375% | 10/15/15 | 460,000 | 473,225 |
| <i>Total Aerospace & Defense</i> | | | | 1,448,311 |
| Air Freight & Logistics 0.4% | | | | |
| United Parcel Service Inc., Senior Notes | 6.200% | 1/15/38 | 700,000 | 877,766 |
| Airlines 2.4% | | | | |
| American Airlines Pass-Through Trust, Secured Notes | 7.858% | 4/1/13 | 1,725,000 | 1,805,212 |
| Continental Airlines Inc., Pass-Through Certificates | 9.250% | 5/10/17 | 190,000 | 199,500 |
| Continental Airlines Inc., Pass-Through Certificates, Senior Secured Notes | 7.250% | 11/10/19 | 810,000 | 882,900 |
| Delta Air Lines, Pass-Through Trust, Senior Secured Notes | 7.750% | 12/17/19 | 531,149 | 573,641 |
| Delta Air Lines Inc., Pass-Through Certificates, Senior Secured Notes | 7.570% | 11/18/10 | 1,500,000 | 1,515,000 |
| United Airlines, Pass-Through Trust, Secured Notes | 9.750% | 1/15/17 | 237,931 | 264,104 |
| United Airlines, Pass-Through Trust, Senior Secured Notes | 10.400% | 11/1/16 | 214,395 | 237,979 |
| <i>Total Airlines</i> | | | | 5,478,336 |
| Commercial Services & Supplies 1.3% | | | | |
| Avery Dennison Corp., Senior Notes | 5.375% | 4/15/20 | 420,000 | 466,594 |
| Republic Services Inc., Senior Notes | 5.500% | 9/15/19 | 220,000 | 247,401 |
| Republic Services Inc., Senior Notes | 5.000% | 3/1/20 | 490,000 | 531,455 |
| Republic Services Inc., Senior Notes | 5.250% | 11/15/21 | 580,000 | 645,786 |
| RSC Equipment Rental Inc./RSC Holdings III LLC, Senior Secured Notes | 10.000% | 7/15/17 | 1,000,000 | 1,095,000(a) |
| <i>Total Commercial Services & Supplies</i> | | | | 2,986,236 |
| Industrial Conglomerates 0.4% | | | | |
| Hutchison Whampoa International Ltd., Notes | 4.625% | 9/11/15 | 950,000 | 1,005,962(a) |
| Road & Rail 0.4% | | | | |
| Kansas City Southern de Mexico, Senior Notes | 12.500% | 4/1/16 | 650,000 | 782,438 |

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|---|---------|---------|-----------|------------------|
| TOTAL INDUSTRIALS | | | | 12,579,049 |
| INFORMATION TECHNOLOGY 1.2% | | | | |
| Electronic Equipment, Instruments & Components 0.8% | | | | |
| Agilent Technologies Inc., Senior Notes | 5.000% | 7/15/20 | 1,130,000 | 1,201,895 |
| Corning Inc., Senior Notes | 5.750% | 8/15/40 | 630,000 | 677,759 |
| <i>Total Electronic Equipment, Instruments & Components</i> | | | | <i>1,879,654</i> |
| IT Services 0.2% | | | | |
| Mantech International Corp., Senior Notes | 7.250% | 4/15/18 | 540,000 | 553,500 |
| Semiconductors & Semiconductor Equipment 0.2% | | | | |
| National Semiconductor Corp., Senior Notes | 6.600% | 6/15/17 | 360,000 | 422,004 |
| TOTAL INFORMATION TECHNOLOGY | | | | 2,855,158 |
| MATERIALS 6.0% | | | | |
| Containers & Packaging 0.7% | | | | |
| Ball Corp., Senior Notes | 6.625% | 3/15/18 | 180,000 | 185,400 |
| Solo Cup Co., Senior Secured Notes | 10.500% | 11/1/13 | 1,300,000 | 1,321,125 |
| <i>Total Containers & Packaging</i> | | | | <i>1,506,525</i> |

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|--|---------|------------------|----------------|--------------|
| Metals & Mining 4.2% | | | | |
| Freeport-McMoRan Copper & Gold Inc., Senior Notes | 8.375% | 4/1/17 | \$ 2,770,000 | \$ 3,078,631 |
| Rio Tinto Finance USA Ltd., Senior Notes | 9.000% | 5/1/19 | 2,000,000 | 2,737,408 |
| Southern Copper Corp., Senior Notes | 5.375% | 4/16/20 | 260,000 | 275,174 |
| Vale Overseas Ltd., Notes | 6.875% | 11/21/36 | 2,100,000 | 2,396,425 |
| Xstrata Finance Canada Ltd., Senior Bonds | 5.800% | 11/15/16 | 1,000,000 | 1,094,118(a) |
| <i>Total Metals & Mining</i> | | | | 9,581,756 |
| Paper & Forest Products 1.1% | | | | |
| NewPage Corp., Senior Secured Notes | 11.375% | 12/31/14 | 500,000 | 408,750 |
| PE Paper Escrow GmbH, Senior Secured Notes | 12.000% | 8/1/14 | 1,030,000 | 1,164,450(a) |
| Verso Paper Holdings LLC, Senior Secured Notes | 11.500% | 7/1/14 | 1,000,000 | 1,060,000 |
| <i>Total Paper & Forest Products</i> | | | | 2,633,200 |
| TOTAL MATERIALS | | | | 13,721,481 |
| TELECOMMUNICATION SERVICES 10.3% | | | | |
| Diversified Telecommunication Services 7.8% | | | | |
| AT&T Inc., Global Notes | 5.600% | 5/15/18 | 2,000,000 | 2,323,116 |
| AT&T Inc., Global Notes | 6.550% | 2/15/39 | 650,000 | 772,994 |
| British Telecommunications PLC, Bonds | 9.875% | 12/15/30 | 2,000,000 | 2,751,498 |
| Deutsche Telekom International Finance BV, Bonds | 8.750% | 6/15/30 | 800,000 | 1,125,691 |
| Embarq Corp., Notes | 7.995% | 6/1/36 | 1,500,000 | 1,555,846 |
| France Telecom SA, Senior Notes | 5.375% | 7/8/19 | 1,000,000 | 1,153,563 |
| Intelsat Corp., Senior Notes | 9.250% | 8/15/14 | 1,000,000 | 1,035,000 |
| Koninklijke KPN NV, Senior Notes | 8.375% | 10/1/30 | 1,000,000 | 1,398,964 |
| Qwest Corp., Senior Notes | 7.875% | 9/1/11 | 500,000 | 529,375 |
| Telecom Italia Capital SA, Senior Notes | 7.721% | 6/4/38 | 1,000,000 | 1,126,382 |
| Telefonica Emisiones SAU, Senior Notes | 5.134% | 4/27/20 | 1,220,000 | 1,317,216 |
| Telefonica Emisiones SAU, Senior Notes | 7.045% | 6/20/36 | 410,000 | 494,777 |
| Valor Telecommunications Enterprises LLC/Finance Corp., Senior Notes | 7.750% | 2/15/15 | 1,500,000 | 1,545,855 |
| Verizon Communications Inc., Senior Notes | 8.950% | 3/1/39 | 430,000 | 640,567 |
| <i>Total Diversified Telecommunication Services</i> | | | | 17,770,844 |
| Wireless Telecommunication Services 2.5% | | | | |
| Cellco Partnership/Verizon Wireless Capital LLC, Senior Notes | 8.500% | 11/15/18 | 2,000,000 | 2,701,530 |
| Crown Castle Towers LLC, Senior Secured Notes | 4.883% | 8/15/20 | 690,000 | 716,587(a) |
| Rogers Communications Inc., Senior Notes | 6.800% | 8/15/18 | 1,000,000 | 1,232,422 |
| Sprint Capital Corp., Senior Notes | 8.750% | 3/15/32 | 1,250,000 | 1,210,938 |
| <i>Total Wireless Telecommunication Services</i> | | | | 5,861,477 |
| TOTAL TELECOMMUNICATION SERVICES | | | | 23,632,321 |
| UTILITIES 7.3% | | | | |

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Electric Utilities 5.7%

| | | | | |
|--|--------|----------|-----------|--------------------------|
| Commonwealth Edison Co., First Mortgage Bonds | 5.800% | 3/15/18 | 600,000 | 705,707 |
| Commonwealth Edison Co., First Mortgage Bonds | 6.450% | 1/15/38 | 600,000 | 743,504 |
| FirstEnergy Corp., Notes | 7.375% | 11/15/31 | 2,230,000 | 2,477,289 |
| FirstEnergy Solutions Corp., Senior Notes | 4.800% | 2/15/15 | 730,000 | 779,137 |
| IPALCO Enterprises Inc., Senior Secured Notes | 7.250% | 4/1/16 | 1,030,000 | 1,081,500 ^(a) |
| MidAmerican Energy Holdings Co., Bonds | 6.125% | 4/1/36 | 1,000,000 | 1,159,733 |
| MidAmerican Energy Holdings Co., Senior Notes | 5.750% | 4/1/18 | 1,000,000 | 1,159,127 |
| Pacific Gas & Electric Co., Senior Notes | 8.250% | 10/15/18 | 800,000 | 1,057,512 |
| Pacific Gas & Electric Co., Senior Notes | 5.800% | 3/1/37 | 820,000 | 947,640 |
| Reliant Energy Mid-Atlantic Power Holdings LLC, Senior Notes | 9.681% | 7/2/26 | 2,000,000 | 2,085,000 |
| Virginia Electric and Power Co., Senior Notes | 8.875% | 11/15/38 | 500,000 | 769,188 |
| <i>Total Electric Utilities</i> | | | | <i>12,965,337</i> |

Gas Utilities 0.8%

| | | | | |
|--|--------|--------|-----------|-----------|
| Southern Natural Gas Co., Senior Notes | 8.000% | 3/1/32 | 1,500,000 | 1,798,555 |
|--|--------|--------|-----------|-----------|

Independent Power Producers & Energy Traders 0.5%

| | | | | |
|-------------------------|--------|--------|-----------|-----------|
| AES Corp., Senior Notes | 8.000% | 6/1/20 | 1,100,000 | 1,160,500 |
|-------------------------|--------|--------|-----------|-----------|

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|---|----------------|---------------|-------------|-------------|
| Multi-Utilities 0.3% | | | | |
| Dominion Resources Inc., Senior Notes | 8.875% | 1/15/19 | \$ 500,000 | \$ 682,355 |
| TOTAL UTILITIES | | | | 16,606,747 |
| TOTAL CORPORATE BONDS & NOTES (Cost \$190,931,526) | | | | 214,725,555 |
| COLLATERALIZED SENIOR LOANS | | | | |
| 4.0% | | | | |
| CONSUMER DISCRETIONARY 0.9% | | | | |
| Diversified Consumer Services 0.4% | | | | |
| Thomson Learning, Term Loan B | 3.030% | 7/3/14 | 989,822 | 881,054(d) |
| Hotels, Restaurants & Leisure 0.5% | | | | |
| Venetian Macau, Term Loan B | 5.040% | 5/25/12 | 456,605 | 450,205(d) |
| Venetian Macau, Term Loan B | 5.040% | 5/27/13 | 790,503 | 779,422(d) |
| <i>Total Hotels, Restaurants & Leisure</i> | | | | 1,229,627 |
| TOTAL CONSUMER DISCRETIONARY | | | | 2,110,681 |
| FINANCIALS 0.4% | | | | |
| Diversified Financial Services 0.4% | | | | |
| CCM Merger Inc., Term Loan B | 8.500% | 7/13/12 | 962,432 | 956,417(d) |
| HEALTH CARE 0.4% | | | | |
| Health Care Equipment & Supplies 0.4% | | | | |
| Fenwal Inc., Term Loan | 2.510 - 2.549% | 2/28/14 | 144,938 | 125,734(d) |
| Fenwal Inc., Term Loan | 2.510 - 2.549% | 2/28/14 | 845,594 | 733,552(d) |
| TOTAL HEALTH CARE | | | | 859,286 |
| INDUSTRIALS 0.8% | | | | |
| Airlines 0.4% | | | | |
| Delta Air Lines Inc., Credit-Linked Deposit Facility | 2.198 - 2.279% | 4/30/12 | 989,796 | 951,441(d) |
| Commercial Services & Supplies 0.4% | | | | |
| Nielsen Finance LLC, Term Loan | 4.045% | 5/2/16 | 987,500 | 946,413(d) |
| TOTAL INDUSTRIALS | | | | 1,897,854 |
| INFORMATION TECHNOLOGY 0.4% | | | | |
| IT Services 0.4% | | | | |
| First Data Corp., Term Loan B2 | 3.010 - 3.014% | 9/24/14 | 948,522 | 811,521(d) |
| MATERIALS 0.4% | | | | |
| Containers & Packaging 0.4% | | | | |
| Berry Plastics Group Inc., Term Loan C | 2.318 - 2.376% | 4/3/15 | 987,245 | 904,070(d) |
| TELECOMMUNICATION SERVICES | | | | |
| 0.4% | | | | |
| Diversified Telecommunication Services 0.4% | | | | |
| Level 3 Communications Inc., Term Loan | 2.529 - 2.777% | 3/13/14 | 1,000,000 | 899,063(d) |
| UTILITIES 0.3% | | | | |
| Independent Power Producers & Energy Traders 0.3% | | | | |
| Energy Future Holdings, Term Loan B3 | 3.795 - 4.033% | 10/10/14 | 987,310 | 748,133(d) |
| TOTAL COLLATERALIZED SENIOR LOANS (Cost \$8,748,136) | | | | 9,187,025 |
| SOVEREIGN BONDS 1.0% | | | | |

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Russia 1.0%

| | | | | |
|---|--------|---------|-----------|--------------|
| RSHB Capital, Loan Participation Notes, Senior Secured Notes | 9.000% | 6/11/14 | 1,000,000 | 1,142,500(a) |
| Russian Foreign Bond-Eurobond, Senior Bonds | 7.500% | 3/31/30 | 920,000 | 1,094,892(a) |
| TOTAL SOVEREIGN BONDS (Cost \$1,935,661) | | | | 2,237,392 |

SHARES

PREFERRED STOCKS 0.1%

FINANCIALS 0.1%

Commercial Banks 0.1%

| | | | | |
|---|---------|--|-------|-------------|
| Santander Finance Preferred SA Unipersonal (Cost - \$219,197) | 10.500% | | 7,725 | 224,180 |
| TOTAL INVESTMENTS BEFORE SHORT-TERM INVESTMENT (Cost \$201,834,520) | | | | 226,374,152 |

See Notes to Schedule of Investments.

WESTERN ASSET INVESTMENT GRADE DEFINED OPPORTUNITY TRUST INC.

Schedule of investments (unaudited) (cont d)

August 31, 2010

| SECURITY | RATE | MATURITY DATE | FACE AMOUNT | VALUE |
|---|----------------|---------------|-------------|------------------|
| SHORT-TERM INVESTMENTS 0.1% | | | | |
| U.S. Government Agencies 0.1% | | | | |
| Federal National Mortgage Association (FNMA), Discount Notes (Cost - \$269,551) | 0.220 - 0.240% | 5/9/11 | \$ 270,000 | \$ 269,644(e)(f) |
| TOTAL INVESTMENTS 99.0% (Cost \$202,104,071#) | | | | 226,643,796 |
| Other Assets in Excess of Liabilities 1.0% | | | | 2,235,020 |
| TOTAL NET ASSETS 100.0% | | | | \$ 228,878,816 |

- (a) Security is exempt from registration under Rule 144A of the Securities Act of 1933. This security may be resold in transactions that are exempt from registration, normally to qualified institutional buyers. This security has been deemed liquid pursuant to guidelines approved by the Board of Directors, unless otherwise noted.
- (b) Payment-in-kind security for which part of the income earned may be paid as additional principal.
- (c) Security is valued in good faith at fair value in accordance with procedures approved by the Board of Directors (See Note 1).
- (d) Interest rates disclosed represent the effective rates on collateralized senior loans. Ranges in interest rates are attributable to multiple contracts under the same loan.
- (e) Rate shown represents yield-to-maturity.
- (f) All or a portion of this security is held at the broker as collateral for open futures contracts.
- # Aggregate cost for federal income tax purposes is substantially the same.

See Notes to Schedule of Investments.

Notes to Schedule of Investments (unaudited)

1. Organization and Significant Accounting Policies

Western Asset Investment Grade Defined Opportunity Trust Inc. (the Fund) was incorporated in Maryland on April 24, 2009 and is registered as a non-diversified, closed-end management investment company under the Investment Company Act of 1940, as amended (the 1940 Act). The Fund's primary investment objective is to provide current income and then to liquidate and distribute substantially all of the Fund's net assets to stockholders on or about December 2, 2024. As a secondary investment objective, the Fund will seek capital appreciation.

The following are significant accounting policies consistently followed by the Fund and are in conformity with U.S. generally accepted accounting principles (GAAP).

(a) Investment valuation. Debt securities are valued at the mean between the last quoted bid and asked prices provided by an independent pricing service, which are based on transactions in debt obligations, quotations from bond dealers, market transactions in comparable securities and various other relationships between securities. Publicly traded foreign government debt securities are typically traded internationally in the over-the-counter market, and are valued at the mean between the last quoted bid and asked prices as of the close of business of that market. Futures contracts are valued daily at the settlement price established by the board of trade or exchange on which they are traded. Equity securities for which market quotations are available are valued at the last reported sales price or official closing price on the primary market or exchange on which they trade. When prices are not readily available, or are determined not to reflect fair value, such as when the value of a security has been significantly affected by events after the close of the exchange or market on which the security is principally traded, but before the Fund calculates its net asset value, the Fund values these securities at fair value as determined in accordance with procedures approved by the Fund's Board of Directors. Short-term obligations with maturities of 60 days or less are valued at amortized cost, which approximates fair value.

The Fund has adopted Financial Accounting Standards Board Codification Topic 820 (ASC Topic 820). ASC Topic 820 establishes a single definition of fair value, creates a three-tier hierarchy as a framework for measuring fair value based on inputs used to value the Fund's investments, and requires additional disclosure about fair value. The hierarchy of inputs is summarized below.

- Level 1 quoted prices in active markets for identical investments
- Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)
- Level 3 significant unobservable inputs (including the Fund's own assumptions in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

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The Fund uses valuation techniques to measure fair value that are consistent with the market approach and/or income approach, depending on the type of the security and the particular circumstance. The market approach uses prices and other relevant information generated by market transactions involving identical or comparable securities. The income approach uses valuation techniques to discount estimated future cash flows to present value.

The following is a summary of the inputs used in valuing the Fund's assets and liabilities carried at fair value:

| DESCRIPTION | QUOTED PRICES (LEVEL 1) | OTHER SIGNIFICANT OBSERVABLE INPUTS (LEVEL 2) | SIGNIFICANT UNOBSERVABLE INPUTS (LEVEL 3) | TOTAL |
|-------------------------------------|--|--|--|----------------|
| Long-term investments : | | | | |
| Corporate bonds & notes | | \$ 214,725,555 | | \$ 214,725,555 |
| Collateralized mortgage obligations | | 9,187,025 | | 9,187,025 |
| Sovereign bonds | | 2,237,392 | | 2,237,392 |
| Preferred stocks | \$ 224,180 | | | 224,180 |
| Total long-term investments | \$ 224,180 | \$ 226,149,972 | | \$ 226,374,152 |
| Short-term investments | | 269,644 | | 269,644 |
| Total investments | \$ 224,180 | \$ 226,419,616 | | \$ 226,643,796 |
| Other financial instruments: | | | | |
| Futures contracts | (128,438) | | | (128,438) |
| Total | \$ 95,742 | \$ 226,419,616 | | \$ 226,515,358 |

See Schedule of Investments for additional detailed categorizations.

Notes to Schedule of Investments (unaudited) (continued)

(b) Repurchase Agreements. The Fund may enter into repurchase agreements with institutions that its investment adviser has determined are creditworthy. Each repurchase agreement is recorded at cost. Under the terms of a typical repurchase agreement, the Fund acquires a debt security subject to an obligation of the seller to repurchase, and of the Fund to resell, the security at an agreed-upon price and time, thereby determining the yield during the Fund's holding period. When entering into repurchase agreements, it is the Fund's policy that its custodian or a third party custodian, acting on the Fund's behalf, take possession of the underlying collateral securities, the market value of which, at all times, at least equals the principal amount of the repurchase transaction, including accrued interest. To the extent that any repurchase transaction maturity exceeds one business day, the value of the collateral is marked to market and measured against the value of the agreement in an effort to ensure the adequacy of the collateral. If the counterparty defaults, the Fund generally has the right to use the collateral to satisfy the terms of the repurchase transaction. However, if the market value of the collateral declines during the period in which the Fund seeks to assert its rights or if bankruptcy proceedings are commenced with respect to the seller of the security, realization of the collateral by the Fund may be delayed or limited.

(c) Futures Contracts. The Fund may use futures contracts to gain exposure to, or hedge against, changes in the value of equities, interest rates or foreign currencies. A futures contract represents a commitment for the future purchase or sale of an asset at a specified price on a specified date.

Upon entering into a futures contract, the Fund is required to deposit cash or cash equivalents with a broker in an amount equal to a certain percentage of the contract amount. This is known as the initial margin and subsequent payments (variation margin) are made or received by the Fund each day, depending on the daily fluctuation in the value of the contract. For certain futures, including foreign denominated futures, variation margin is not settled daily, but is recorded as a net variation margin payable or receivable. Futures contracts are valued daily at the settlement price established by the board of trade or exchange on which they are traded.

Futures contracts involve, to varying degrees, risk of loss. In addition, there is the risk that the Fund may not be able to enter into a closing transaction because of an illiquid secondary market.

(d) Loan Participations. The Fund may invest in loans arranged through private negotiation between one or more financial institutions. The Fund's investment in any such loan may be in the form of a participation in or an assignment of the loan. In connection with purchasing participations, the Fund generally will have no right to enforce compliance by the borrower with the terms of the loan agreement related to the loan, or any rights of off-set against the borrower and the Fund may not benefit directly from any collateral supporting the loan in which it has purchased the participation.

The Fund assumes the credit risk of the borrower, the lender that is selling the participation and any other persons interpositioned between the Fund and the borrower. In the event of the insolvency of the lender selling the participation, the Fund may be treated as a general creditor of the lender and may not benefit from any off-set between the lender and the borrower.

(e) Credit and Market Risk. The Fund invests in high-yield instruments that are subject to certain credit and market risks. The yields of high-yield obligations reflect, among other things, perceived credit and market risks. The Fund's investment in securities rated below investment grade typically involves risks not associated with higher rated securities including, among others, greater risk related to timely and ultimate payment of interest and principal, greater market price volatility and less liquid secondary market trading.

(f) Security Transactions. Security transactions are accounted for on a trade date basis.

Notes to Schedule of Investments (unaudited) (continued)

2. Investments

At August 31, 2010, the aggregate gross unrealized appreciation and depreciation of investments for federal income tax purposes were substantially as follows:

| | | |
|-------------------------------|----|------------|
| Gross unrealized appreciation | \$ | 24,833,693 |
| Gross unrealized depreciation | | (293,968) |
| Net unrealized appreciation | \$ | 24,539,725 |

At August 31, 2010, the Fund had the following open futures contracts:

| | NUMBER OF CONTRACTS | EXPIRATION DATE | BASIS VALUE | MARKET VALUE | UNREALIZED LOSS |
|---|------------------------|--------------------|----------------|-----------------|--------------------|
| Contracts to Sell: | | | | | |
| U.S. Treasury 2-Year Notes | 3 | 12/10 | \$ 657,365 | \$ 657,422 | \$ (57) |
| U.S. Treasury 5-Year Notes | 15 | 12/10 | 1,795,123 | 1,804,804 | (9,681) |
| U.S. Treasury 10-Year Notes | 158 | 12/10 | 19,740,744 | 19,848,750 | (108,006) |
| U.S. Treasury 30-Year Bonds | 14 | 12/10 | 1,879,744 | 1,890,438 | (10,694) |
| Net unrealized loss on open futures contracts | | | | | \$ (128,438) |

3. Derivative Instruments and Hedging Activities

Financial Accounting Standards Board Codification Topic 815 requires enhanced disclosure about an entity's derivative and hedging activities.

The following is a summary of the Fund's investments categorized by risk exposure at August 31, 2010.

| Primary Underlying Risk Disclosure | Futures Contracts | |
|------------------------------------|----------------------------|----------------------------|
| | Unrealized Appreciation | Unrealized Depreciation |
| Interest Rate Contracts | \$ | (128,438) |

During the period ended August 31, 2010, the volume of derivative activity for the fund was as follows:

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| | Average Market Value |
|-----------------------------|---------------------------------|
| Futures contracts (to sell) | \$ 7,217,857 |

The Fund has several credit related contingent features that if triggered would allow its derivatives counterparties to close out and demand payment or additional collateral to cover their exposure from the Fund. Credit related contingent features are established between the Fund and its derivatives counterparties to reduce the risk that the Fund will not fulfill its payment obligations to its counterparties. These triggering features include, but are not limited to, a percentage decrease in the Fund's net assets and/or a percentage decrease in the Fund's Net Asset Value or NAV. The contingent features are established within the Fund's International Swap and Derivatives Association, Inc. master agreements which govern positions in swaps, over-the-counter options, and forward currency exchange contracts for each individual counterparty.

ITEM 2. CONTROLS AND PROCEDURES.

- (a) The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act")) are effective as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the disclosure controls and procedures required by Rule 30a-3(b) under the 1940 Act and 15d-15(b) under the Securities Exchange Act of 1934.
- (b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant's last fiscal quarter that have materially affected, or are likely to materially affect the registrant's internal control over financial reporting.

ITEM 3. EXHIBITS.

Certifications pursuant to Rule 30a-2(a) under the Investment Company Act of 1940, as amended, are attached hereto.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Western Asset Investment Grade Defined Opportunity Trust Inc.

By /s/ R. Jay Gerken
R. Jay Gerken
Chief Executive Officer

Date: October 25, 2010

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By /s/ R. Jay Gerken
R. Jay Gerken
Chief Executive Officer

Date: October 25, 2010

By /s/ Kaprel Ozsolak
Kaprel Ozsolak
Chief Financial Officer

Date: October 25, 2010
