

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MARSHALL & ILSLEY CORP/WI/  
Form 13F-HR  
May 01, 2007

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D. C. 20549  
Form 13F

Form 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: 03/31/2007

Check here if Amendment [ ]; Amendment Number:

This Amendment (Check only one.): [ ] is a restatement.

[ ] adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Marshall & Ilsley Corporation  
Address: 770 North Water Street  
Milwaukee, WI 53202

Form 13F File Number: 28-272

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Jeffrey O. Himstreet  
Title: Vice President  
Phone: 414-765-7809

Signature, Place, and Date of Signing:

/s/Jeffrey O. Himstreet

Milwaukee, WI

4/13/07

[Signature]

[City, State]

[Date]

Report Type (Check only one.):

- [X] 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)
- [ ] 13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)
- [ ] 13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

Form 13F SUMMARY PAGE

Report Summary:

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

Number of Other Included Managers: 2  
 Form 13F Information Table Entry Total: 1,849  
 Form 13F Information Table Value Total: \$ 5,342,673  
 (thousands)

List of Other Included Mangers:

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

[If there are no entries in this list, state "NONE" and omit the column headings and list entries.]

No.	Form 13F File Number	Name
01	28-7680	Marshall & Ilsley Trust Company N.A. (formerly known as M&I National Trust Company and successor to Marshall & Ilsley Trust Company, 13F file no. 28-273; Marshall & Ilsley Trust Company of Florida, 13F file no. 28-4318; and Marshall & Ilsley Trust Company of Arizona, SEC file no. 28-4316)
05	28-274	M&I Investment Management Corp.

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
 SECURITIES AND EXCHANGE COMMISSION FORM 13F  
 ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION			
						SHR (B)	OTHR (C)	OTHR (D)	MGRS (E)
DAIMLERCHRYSLER AG	ORD	D1668R123	186	3,024SH	X				01
ACE LTD	ORD	G0070K103	11,365	199,176SH	X				01
ACE LTD	ORD	G0070K103	10	167SH			X		01
ASSURED GUARANTY LTD	COM	G0585R106	4,290	157,032SH	X				01
ACCENTURE LTD BERMUDA	CL A	G1150G111	1,655	42,955SH	X				01
ACCENTURE LTD BERMUDA	CL A	G1150G111	214	5,549SH			X		01
COOPER INDS LTD	CL A	G24182100	461	10,253SH	X				01
COOPER INDS LTD	CL A	G24182100	22	484SH			X		01
FRONTLINE LTD	SHS	G3682E127	317	8,930SH	X				01
GARMIN LTD	ORD	G37260109	409	7,550SH	X				01
GARMIN LTD	ORD	G37260109	172	3,170SH			X		01
GLOBALSANTAFE CORP	SHS	G3930E101	9,213	149,360SH	X				01
GLOBALSANTAFE CORP	SHS	G3930E101	1,642	26,626SH			X		01
INGERSOLL-RAND COMPANY	CL A	G4776G101	583	13,450SH	X				01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

INGERSOLL-RAND COMPANY	CL A	G4776G101	76	1,760SH		X	01
MARVELL TECHNOLOGY GRP	ORD	G5876H105	1,564	93,062SH	X		01
MARVELL TECHNOLOGY GRP	ORD	G5876H105	40	2,372SH		X	01
MAX RE CAPITAL LTD	SHS	G6052F103	290	11,400SH	X		01
NABORS INDUSTRIES LTD	SHS	G6359F103	409	13,774SH	X		01
NABORS INDUSTRIES LTD	SHS	G6359F103	12	394SH		X	01
NOBLE CORPORATION	SHS	G65422100	2,083	26,477SH	X		01
NOBLE CORPORATION	SHS	G65422100	3	41SH		X	01
ORIENT-EXPRESS HOTELS	CL A	G67743107	520	8,700SH	X		01
PARTNERRE LTD	COM	G6852T105	11,909	173,755SH	X		01
RENAISSANCERE HOLDINGS	COM	G7496G103	4,982	99,354SH	X		01
RENAISSANCERE HOLDINGS	COM	G7496G103	756	15,070SH		X	01
SEAGATE TECHNOLOGY	SHS	G7945J104	631	27,099SH	X		01
SHIP FINANCE INTERNATNL	SHS	G81075106	1,030	37,535SH	X		01
SHIP FINANCE INTERNATNL	SHS	G81075106	36	1,300SH		X	01
SINA CORP	ORD	G81477104	3,067	91,254SH	X		01
SMART MODULAR TECHNLS	ORD SHS	G82245104	1,846	144,317SH	X		01
TRANSOCEAN INC	ORD	G90078109	3,468	42,445SH	X		01
TRANSOCEAN INC	ORD	G90078109	278	3,400SH		X	01
VISTAPRINT LIMITED	SHS	G93762204	2,677	69,901SH	X		01
WEATHERFORD INTERNTNL	COM	G95089101	606	13,447SH	X		01
WEATHERFORD INTERNTNL	COM	G95089101	123	2,735SH		X	01
WILLIS GROUP HOLDINGS	SHS	G96655108	2,039	51,505SH	X		01
XL CAP LTD	CL A	G98255105	23,823	340,523SH	X		01
XL CAP LTD	CL A	G98255105	1,360	19,435SH		X	01
ALCON INC	COM SHS	H01301102	1,673	12,691SH	X		01
ALCON INC	COM SHS	H01301102	176	1,335SH		X	01
LOGITECH INTL S A	SHS	H50430232	458	16,447SH	X		01
LOGITECH INTL S A	SHS	H50430232	24	866SH		X	01
UBS AG	SHS NEW	H89231338	7,233	121,699SH	X		01
UBS AG	SHS NEW	H89231338	892	15,004SH		X	01
MILlicom INTL CELLULAR	SHS NEW	L6388F110	1,437	18,343SH	X		01
CHECK POINT SOFTWARE	ORD	M22465104	1,905	85,485SH	X		01
CHECK POINT SOFTWARE	ORD	M22465104	18	805SH		X	01
GILAT SATELLITE NETWRKS	SHS NEW	M51474118	1,528	185,181SH	X		01
ASML HLDG NV	N Y SHS	N07059111	1,347	54,411SH	X		01
ORTHOFIX INTL N V	COM	N6748L102	1,384	27,111SH	X		01
GENCO SHIPPING & TRDNG	SHS	Y2685T107	1,637	51,520SH	X		01
QUINTANA MARITIME LTD	SHS	Y7169G109	296	21,500SH	X		01
AAR CORP	COM	000361105	2,837	102,951SH	X		01
ABB LTD	SPONSORED ADR	000375204	2,705	157,467SH	X		01
ABB LTD	SPONSORED ADR	000375204	24	1,400SH		X	01
ACCO BRANDS CORP	COM	00081T108	647	26,839SH	X		01
ACCO BRANDS CORP	COM	00081T108	23	965SH		X	01
ABN AMRO HLDG NV	SPONSORED ADR	000937102	201	4,670SH	X		01
ABN AMRO HLDG NV	SPONSORED ADR	000937102	6	145SH		X	01
AFC ENTERPRISES INC	COM	00104Q107	262	13,050SH	X		01
AFLAC INC	COM	001055102	1,049	22,298SH	X		01
AFLAC INC	COM	001055102	116	2,462SH		X	01
AES CORP	COM	00130H105	922	42,837SH	X		01
AES CORP	COM	00130H105	169	7,856SH		X	01
AT&T INC	COM	00206R102	54,536	1,383,098SH	X		01
AT&T INC	COM	00206R102	8,369	212,249SH		X	01
AVI BIOPHARMA INC	COM	002346104	228	85,000SH	X		01
ABBOTT LABS	COM	002824100	29,454	527,844SH	X		01
ABBOTT LABS	COM	002824100	7,360	131,897SH		X	01
ACTIVISION INC NEW	COM NEW	004930202	2,045	107,980SH	X		01
ACTUANT CORP	CL A NEW	00508X203	168	3,300SH	X		01
ACTUANT CORP	CL A NEW	00508X203	81	1,600SH		X	01
ACUITY BRANDS INC	COM	00508Y102	329	6,045SH	X		01
ADOBE SYS INC	COM	00724F101	3,459	82,960SH	X		01
ADOBE SYS INC	COM	00724F101	19	461SH		X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

DADVANTAGE ENERGY INC FD	TR UNIT	00762L101	247	24,010SH	X		0
ADVISORY BRD CO	COM	00762W107	2,703	53,389SH	X		01
AEROPOSTALE	COM	007865108	1,652	41,063SH	X		01
AEROPOSTALE	COM	007865108	44	1,090SH		X	01
AEGON N V	ORD AMER REG	007924103	280	14,046SH	X		01
AEGON N V	ORD AMER REG	007924103	308	15,448SH		X	01
AETNA INC NEW	COM	00817Y108	1,325	30,267SH	X		01
AETNA INC NEW	COM	00817Y108	445	10,157SH		X	01
AFFILIATED COMPUTER SRV	CL A	008190100	1,093	18,571SH	X		01
AFFILIATED COMPUTER SRV	CL A	008190100	24	415SH		X	01
AFFILIATED MANAGERS GRP	COM	008252108	8,841	81,601SH	X		01
AGILENT TECHNOLOGIES	COM	00846U101	119	3,523SH	X		01
AGILENT TECHNOLOGIES	COM	00846U101	84	2,482SH		X	01
AGRIUM INC	COM	008916108	421	10,980SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR OTHR (B)	OTHR (C)	OTHR MGRS
AIR PRODS & CHEMS INC	COM	009158106	2,568	34,717SH	X			01
AIR PRODS & CHEMS INC	COM	009158106	1,337	18,076SH			X	01
AIRGAS INC	COM	009363102	362	8,582SH	X			01
AKAMAI TECHNOLOGIES INC	COM	00971T101	4,149	83,107SH	X			01
AKAMAI TECHNOLOGIES INC	COM	00971T101	108	2,163SH			X	01
AKZO NOBEL NV	SPONSORED ADR	010199305	215	2,834SH	X			01
AKZO NOBEL NV	SPONSORED ADR	010199305	112	1,480SH			X	01
ALBANY INTL CORP	CL A	012348108	248	6,902SH	X			01
ALBEMARLE CORP	COM	012653101	156	3,779SH	X			01
ALBEMARLE CORP	COM	012653101	58	1,394SH			X	01
ALCOA INC	COM	013817101	4,703	138,725SH	X			01
ALCOA INC	COM	013817101	1,658	48,908SH			X	01
ALCATEL-LUCENT	SPONSORED ADR	013904305	387	32,760SH	X			01
ALCATEL-LUCENT	SPONSORED ADR	013904305	38	3,186SH			X	01
ALEXION PHARMACEUTICALS	COM	015351109	3,653	84,485SH	X			01
ALLEGHENY ENERGY INC	COM	017361106	945	19,221SH	X			01
ALLEGHENY ENERGY INC	COM	017361106	28	562SH			X	01
ALLEGHENY TECHNOLOGIES	COM	01741R102	1,192	11,171SH	X			01
ALLEGHENY TECHNOLOGIES	COM	01741R102	40	372SH			X	01
ALLERGAN INC	COM	018490102	2,738	24,709SH	X			01
ALLERGAN INC	COM	018490102	24	220SH			X	01
ALLETE INC	COM NEW	018522300	323	6,934SH	X			01
ALLETE INC	COM NEW	018522300	23	486SH			X	01
ALLIANCE DATA SYSTEMS	COM	018581108	1,907	30,954SH	X			01
ALLIANT ENERGY CORP	COM	018802108	2,850	63,582SH	X			01
ALLIANT ENERGY CORP	COM	018802108	416	9,275SH			X	01
ALLIANT TECHSYSTEMS INC	COM	018804104	11,221	127,630SH	X			01
ALLIANZ SE	SP ADR 1/10 SH	018805101	127	6,181SH	X			01
ALLIANZ SE	SP ADR 1/10 SH	018805101	102	4,940SH			X	01
ALLIANCEBERNSTN INC FD	COM	01881E101	67	8,021SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ALLIANCEBERNSTN INC FD	COM	01881E101	20	2,403SH		X		01
ALLIANCEBERNSTEIN HLDNG	UNIT LTD PARTN	01881G106	27	300SH	X			01
ALLIANCEBERNSTEIN HLDNG	UNIT LTD PARTN	01881G106	549	6,200SH			X	01
ALLIED CAP CORP NEW	COM	01903Q108	202	7,025SH	X			01
ALLIED CAP CORP NEW	COM	01903Q108	61	2,125SH			X	01
ALLIED IRISH BKS P L C	SPON ADR ORD	019228402	353	5,900SH	X			01
ALLIED IRISH BKS P L C	SPON ADR ORD	019228402	130	2,165SH			X	01
ALLIED WASTE INDS INC	COM PAR\$.01NEW	019589308	242	19,221SH	X			01
ALLSTATE CORP	COM	020002101	6,377	106,174SH	X			01
ALLSTATE CORP	COM	020002101	657	10,934SH			X	01
ALLTEL CORP	COM	020039103	10,176	164,121SH	X			01
ALLTEL CORP	COM	020039103	166	2,675SH			X	01
ALTERA CORP	COM	021441100	520	26,017SH	X			01
ALTERA CORP	COM	021441100	16	795SH			X	01
ALTRIA GROUP INC	COM	02209S103	51,688	588,636SH	X			01
ALTRIA GROUP INC	COM	02209S103	20,963	238,726SH			X	01
ALUMINA LTD	SPONSORED ADR	022205108	484	20,540SH			X	01
AMBAC FINL GROUP INC	COM	023139108	15,326	177,401SH	X			01
AMBAC FINL GROUP INC	COM	023139108	82	947SH			X	01
AMEREN CORP	COM	023608102	8,431	167,624SH	X			01
AMEREN CORP	COM	023608102	323	6,418SH			X	01
AMERICA MOVIL SAB DE CV	SPON ADR L SHS	02364W105	2,911	60,921SH	X			01
AMERICA MOVIL SAB DE CV	SPON ADR L SHS	02364W105	244	5,116SH			X	01
AMCORE FINL INC	COM	023912108	27	859SH	X			01
AMCORE FINL INC	COM	023912108	486	15,297SH			X	01
AMERICAN CAPITAL STRTGS	COM	024937104	1,420	32,036SH	X			01
AMERICAN CAPITAL STRTGS	COM	024937104	66	1,500SH			X	01
AMERICAN COMMERCL LNS	COM NEW	025195207	1,461	46,447SH	X			01
AMERICAN EAGLE OUTFTRS	COM	02553E106	1,475	49,186SH	X			01
AMERICAN EAGLE OUTFTRS	COM	02553E106	65	2,161SH			X	01
AMERICAN ELEC PWR INC	COM	025537101	2,659	54,539SH	X			01
AMERICAN ELEC PWR INC	COM	025537101	145	2,975SH			X	01
AMERICAN EXPRESS CO	COM	025816109	7,806	138,397SH	X			01
AMERICAN EXPRESS CO	COM	025816109	2,331	41,332SH			X	01
AMERICAN INTL GROUP INC	COM	026874107	26,621	396,026SH	X			01
AMERICAN INTL GROUP INC	COM	026874107	3,327	49,491SH			X	01
AMERICAN STD COS INC	COM	029712106	812	15,318SH	X			01
AMERICAN STD COS INC	COM	029712106	16	304SH			X	01
AMERICAN STS WTR CO	COM	029899101	539	14,610SH	X			01
AMERICAN TOWER CORP	CL A	029912201	2,902	74,506SH	X			01
AMERICAN TOWER CORP	CL A	029912201	135	3,472SH			X	01
AMERICAN TECHNOLOGY	COM NEW	030145205	40	10,000SH			X	01
AMERISAFE INC	COM	03071H100	3,230	171,347SH	X			01
AMERISOURCEBERGEN CORP	COM	03073E105	13,810	261,807SH	X			01
AMERISOURCEBERGEN CORP	COM	03073E105	36	685SH			X	01
AMERIPRISE FINL INC	COM	03076C106	4,344	76,023SH	X			01
AMERIPRISE FINL INC	COM	03076C106	235	4,114SH			X	01
AMGEN INC	COM	031162100	16,485	295,016SH	X			01
AMGEN INC	COM	031162100	1,227	21,955SH			X	01
AMPHENOL CORP NEW	CL A	032095101	1,857	28,766SH	X			01
AMPHENOL CORP NEW	CL A	032095101	55	847SH			X	01
ANADARKO PETE CORP	COM	032511107	1,392	32,392SH	X			01
ANADARKO PETE CORP	COM	032511107	354	8,225SH			X	01
ANADIGICS INC	COM	032515108	1,278	108,119SH	X			01
ANALOG DEVICES INC	COM	032654105	7,655	221,935SH	X			01
ANALOG DEVICES INC	COM	032654105	683	19,806SH			X	01
ANCHOR BANCORP WIS INC	COM	032839102	261	9,198SH	X			01
ANCHOR BANCORP WIS INC	COM	032839102	700	24,680SH			X	01
ANDREW CORP	COM	034425108	919	86,804SH	X			01
ANDREW CORP	COM	034425108	1	100SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
 SECURITIES AND EXCHANGE COMMISSION FORM 13F  
 ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
IANGLO AMERN PLC	ADR	03485P102	357	13,500SH	X			0
ANGLO AMERN PLC	ADR	03485P102	125	4,726SH			X	01
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	56	1,260SH	X			01
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	565	12,677SH			X	01
ANHEUSER BUSCH COS INC	COM	035229103	6,348	125,811SH	X			01
ANHEUSER BUSCH COS INC	COM	035229103	4,597	91,105SH			X	01
ANSYS INC	COM	03662Q105	3,780	74,453SH	X			01
ANTHRACITE CAP INC	COM	037023108	190	15,850SH	X			01
AON CORP	COM	037389103	469	12,348SH	X			01
AON CORP	COM	037389103	136	3,583SH			X	01
APACHE CORP	COM	037411105	13,705	193,853SH	X			01
APACHE CORP	COM	037411105	930	13,158SH			X	01
APARTMENT INVT & MGMT	CL A	03748R101	5,305	91,961SH	X			01
APARTMENT INVT & MGMT	CL A	03748R101	123	2,140SH			X	01
APOGEE ENTERPRISES INC	COM	037598109	2,381	118,830SH	X			01
APOGEE ENTERPRISES INC	COM	037598109	80	4,000SH			X	01
APOLLO GROUP INC	CL A	037604105	216	4,918SH	X			01
APOLLO GROUP INC	CL A	037604105	7	168SH			X	01
APOLLO INVT CORP	COM	03761U106	206	9,622SH	X			01
APOLLO INVT CORP	COM	03761U106	24	1,112SH			X	01
APPLE INC	COM	037833100	12,661	136,274SH	X			01
APPLE INC	COM	037833100	562	6,053SH			X	01
APPLEBEES INTL INC	COM	037899101	215	8,670SH	X			01
APRIA HEALTHCARE GROUP	COM	037933108	294	9,113SH	X			01
APPLERA CORP	COM AP BIO GRP	038020103	989	33,434SH	X			01
APPLERA CORP	COM AP BIO GRP	038020103	3	100SH			X	01
APPLERA CORP	COM CELERA GRP	038020202	1,476	103,926SH	X			01
APPLIED MATLS INC	COM	038222105	11,296	616,574SH	X			01
APPLIED MATLS INC	COM	038222105	697	38,044SH			X	01
AQUILA INC	COM	03840P102	114	27,382SH	X			01
ARCADIA RES INC	COM	039209101	40	20,000SH	X			01
ARCELOR MITTAL	NY REG SH CL A	03937E101	561	10,600SH	X			01
ARCHER DANIELS MIDLAND	COM	039483102	5,348	145,734SH	X			01
ARCHER DANIELS MIDLAND	COM	039483102	136	3,694SH			X	01
ARCHSTONE SMITH TR	COM	039583109	4,897	90,217SH	X			01
ARCHSTONE SMITH TR	COM	039583109	46	850SH			X	01
ARENA RESOURCES INC	COM	040049108	2,922	58,295SH	X			01
ARM HLDGS PLC	SPONSORED ADR	042068106	157	19,950SH	X			01
ARMOR HOLDINGS INC	COM	042260109	1,491	22,145SH	X			01
ARROW ELECTRS INC	COM	042735100	8,634	228,721SH	X			01
ARVINMERITOR INC	COM	043353101	211	11,559SH	X			01
ARVINMERITOR INC	COM	043353101	1	49SH			X	01
ASHLAND INC NEW	COM	044209104	387	5,897SH	X			01
ASHLAND INC NEW	COM	044209104	66	1,010SH			X	01
ASSOCIATED BANC CORP	COM	045487105	7,388	219,891SH	X			01
ASSOCIATED BANC CORP	COM	045487105	2,573	76,575SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ATWOOD OCEANICS INC	COM	050095108	2,913	49,635SH	X				01
AUTODESK INC	COM	052769106	6,237	165,889SH	X				01
AUTODESK INC	COM	052769106	23	602SH			X		01
AUTOLIV INC	COM	052800109	10,331	180,905SH	X				01
AUTOLIV INC	COM	052800109	174	3,045SH			X		01
AUTOMATIC DATA PROCSSNG	COM	053015103	1,791	36,998SH	X				01
AUTOMATIC DATA PROCSSNG	COM	053015103	1,323	27,332SH			X		01
AUTONATION INC	COM	05329W102	240	11,285SH	X				01
AUTONATION INC	COM	05329W102	7	326SH			X		01
AUTOZONE INC	COM	053332102	908	7,083SH	X				01
AUTOZONE INC	COM	053332102	34	269SH			X		01
AVALONBAY CMNTYS INC	COM	053484101	843	6,484SH	X				01
AVAYA INC	COM	053499109	447	37,828SH	X				01
AVAYA INC	COM	053499109	9	795SH			X		01
AVERY DENNISON CORP	COM	053611109	2,610	40,623SH	X				01
AVERY DENNISON CORP	COM	053611109	301	4,680SH			X		01
AVIS BUDGET GROUP	COM	053774105	226	8,261SH	X				01
AVIS BUDGET GROUP	COM	053774105	29	1,060SH			X		01
AVNET INC	COM	053807103	914	25,290SH	X				01
AVON PRODS INC	COM	054303102	683	18,337SH	X				01
AVON PRODS INC	COM	054303102	3	71SH			X		01
BB&T CORP	COM	054937107	9,641	235,021SH	X				01
BB&T CORP	COM	054937107	126	3,078SH			X		01
B & G FOODS INC NEW	UNIT 99/99/9999	05508R205	47	2,000SH	X				01
B & G FOODS INC NEW	UNIT 99/99/9999	05508R205	351	15,000SH			X		01
B A S F A G	SPONSORED ADR	055262505	249	2,215SH	X				01
B A S F A G	SPONSORED ADR	055262505	125	1,115SH			X		01
BJS WHOLESALE CLUB INC	COM	05548J106	10,493	310,180SH	X				01
BJ SVCS CO	COM	055482103	320	11,471SH	X				01
BJ SVCS CO	COM	055482103	13	478SH			X		01
BP PLC	SPONSORED ADR	055622104	12,926	199,631SH	X				01
BP PLC	SPONSORED ADR	055622104	6,865	106,023SH			X		01
BPZ ENERGY INC	COM	055639108	3,327	554,428SH	X				01
BMC SOFTWARE INC	COM	055921100	1,653	53,701SH	X				01
BMC SOFTWARE INC	COM	055921100	41	1,346SH			X		01
BADGER METER INC	COM	056525108	26,106	983,288SH	X				01
BADGER METER INC	COM	056525108	499	18,800SH			X		01
BAKER HUGHES INC	COM	057224107	874	13,212SH	X				01
BAKER HUGHES INC	COM	057224107	32	490SH			X		01
BALL CORP	COM	058498106	914	19,936SH	X				01
BALL CORP	COM	058498106	46	997SH			X		01
BANCO SANTANDER CENT	ADR	05964H105	227	12,713SH	X				01
BANCO SANTANDER CENT	ADR	05964H105	84	4,710SH			X		01
BANK OF AMERICA CORP	COM	060505104	55,658	1,090,902SH	X				01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

BANK OF AMERICA CORP	COM	060505104	6,724	131,783SH		X	01
BANK MUTUAL CORP NEW	COM	063750103	296	26,021SH	X		01
BANK MUTUAL CORP NEW	COM	063750103	199	17,506SH		X	01
BANK NEW YORK INC	COM	064057102	5,580	137,606SH	X		01
BANK NEW YORK INC	COM	064057102	453	11,166SH		X	01
BANKUNITED FINL CORP	CL A	06652B103	218	10,262SH	X		01
BARCLAYS BK PLC	DJAIG CMDTY 36	06738C778	516	10,158SH	X		01
BARCLAYS PLC	ADR	06738E204	354	6,220SH	X		01
BARCLAYS PLC	ADR	06738E204	9	150SH		X	01
BARD C R INC	COM	067383109	3,073	38,655SH	X		01
BARD C R INC	COM	067383109	1,745	21,950SH		X	01
BARRICK GOLD CORP	COM	067901108	152	5,325SH	X		01
BARRICK GOLD CORP	COM	067901108	1,316	46,085SH		X	01
BAXTER INTL INC	COM	071813109	15,449	293,315SH	X		01
BAXTER INTL INC	COM	071813109	1,149	21,822SH		X	01
BE AEROSPACE INC	COM	073302101	3,925	123,827SH	X		01
BE AEROSPACE INC	COM	073302101	18	565SH		X	01
BEAR STEARNS COS INC	COM	073902108	8,872	59,010SH	X		01
BEAR STEARNS COS INC	COM	073902108	132	875SH		X	01
BECTON DICKINSON & CO	COM	075887109	1,701	22,119SH	X		01
BECTON DICKINSON & CO	COM	075887109	15	198SH		X	01
BED BATH & BEYOND INC	COM	075896100	226	5,627SH	X		01
BED BATH & BEYOND INC	COM	075896100	5	114SH		X	01
BELDEN CDT INC	COM	077454106	596	11,118SH	X		01
BEMIS INC	COM	081437105	585	17,521SH	X		01
BEMIS INC	COM	081437105	8	245SH		X	01
BENIHANA INC	CL A	082047200	1,212	42,855SH	X		01
BERKLEY W R CORP	COM	084423102	2,447	73,885SH	X		01
BERKLEY W R CORP	COM	084423102	51	1,545SH		X	01
BERKSHIRE HATHAWAY INC	CL A	084670108	218	2SH	X		01
BERKSHIRE HATHAWAY INC	CL A	084670108	1,526	14SH		X	01
BERKSHIRE HATHAWAY INC	CL B	084670207	3,760	1,033SH	X		01
BERKSHIRE HATHAWAY INC	CL B	084670207	1,616	444SH		X	01
BEST BUY INC	COM	086516101	6,500	133,409SH	X		01
BEST BUY INC	COM	086516101	1,719	35,286SH		X	01
BHP BILLITON LTD	SPONSORED ADR	088606108	136	2,806SH	X		01
BHP BILLITON LTD	SPONSORED ADR	088606108	596	12,300SH		X	01
BIG LOTS INC	COM	089302103	2,938	93,936SH	X		01
BIG LOTS INC	COM	089302103	5	155SH		X	01
BIO-REFERENCE LABS INC	COM \$.01 NEW	09057G602	888	34,979SH	X		01
BIO RAD LABS INC	CL A	090572207	230	3,300SH	X		01
BIOMARIN PHARMACEUTIC	COM	09061G101	4,351	252,089SH	X		01
BIOMET INC	COM	090613100	332	7,812SH	X		01
BIOMET INC	COM	090613100	109	2,561SH		X	01
BIOGEN IDEC INC	COM	09062X103	2,764	62,279SH	X		01
BIOGEN IDEC INC	COM	09062X103	41	925SH		X	01
BIOVAIL CORP	COM	09067J109	10,896	498,463SH	X		01
BLACK & DECKER CORP	COM	091797100	2,855	34,974SH	X		01
BLACK & DECKER CORP	COM	091797100	6	73SH		X	01
BLACKROCK INC	COM	09247X101	1,134	7,255SH	X		01
BLACKROCK INC	COM	09247X101	27	170SH		X	01
BLOCK H & R INC	COM	093671105	3,823	181,708SH	X		01
BLOCK H & R INC	COM	093671105	121	5,750SH		X	01
BLOCKBUSTER INC	CL A	093679108	4,848	752,757SH	X		01
BOEING CO	COM	097023105	26,831	301,779SH	X		01
BOEING CO	COM	097023105	2,223	24,998SH		X	01
BON-TON STORES INC	COM	09776J101	2,456	43,666SH	X		01
BORG WARNER INC	COM	099724106	865	11,465SH	X		01
BOSTON PROPERTIES INC	COM	101121101	2,357	20,076SH	X		01
BOSTON PROPERTIES INC	COM	101121101	30	256SH		X	01
BOSTON SCIENTIFIC CORP	COM	101137107	681	46,820SH	X		01
BOSTON SCIENTIFIC CORP	COM	101137107	47	3,239SH		X	01



Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

BRADY CORP	CL A	104674106	113	3,611SH	X				01
BRADY CORP	CL A	104674106	1,540	49,347SH			X		01
BRIGGS & STRATTON CORP	COM	109043109	1,770	57,373SH	X				01
BRIGGS & STRATTON CORP	COM	109043109	454	14,720SH			X		01
BRINKER INTL INC	COM	109641100	2,224	67,998SH	X				01
BRINKS CO	COM	109696104	288	4,541SH	X				01
BRISTOL MYERS SQUIBB	COM	110122108	18,587	669,552SH	X				01
BRISTOL MYERS SQUIBB	COM	110122108	2,147	77,334SH			X		01
BROADCOM CORP	CL A	111320107	2,261	70,496SH	X				01
BROADCOM CORP	CL A	111320107	9	283SH			X		01
BROCADE COMMUNICATIONS	COM	111621108	93	9,810SH	X				01
BROCADE COMMUNICATIONS	COM	111621108	17	1,778SH			X		01
BROOKFIELD ASSET MGMT	CL A LTD VT SH	112585104	198	3,780SH	X				01
BROOKFIELD ASSET MGMT	CL A LTD VT SH	112585104	115	2,207SH			X		01
BROOKLINE BANCORP INC	COM	11373M107	135	10,659SH	X				01
BROWN FORMAN CORP	CL B	115637209	295	4,502SH	X				01
BROWN FORMAN CORP	CL B	115637209	4	61SH			X		01
BRUNSWICK CORP	COM	117043109	1,146	35,966SH	X				01
BRUNSWICK CORP	COM	117043109	30	954SH			X		01
BURLINGTON NORTHN SANTA	COM	12189T104	3,953	49,153SH	X				01
BURLINGTON NORTHN SANTA	COM	12189T104	859	10,686SH			X		01
CBS CORP NEW	CL B	124857202	2,318	75,782SH	X				01
CBS CORP NEW	CL B	124857202	122	3,998SH			X		01
CB RICHARD ELLIS GROUP	CL A	12497T101	3,844	112,460SH	X				01
CB RICHARD ELLIS GROUP	CL A	12497T101	239	7,003SH			X		01
CIGNA CORP	COM	125509109	1,319	9,243SH	X				01
CIGNA CORP	COM	125509109	315	2,210SH			X		01
CIT GROUP INC	COM	125581108	11,518	217,655SH	X				01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
CIT GROUP INC	COM	125581108	57	1,080SH			X	01
CMS ENERGY CORP	COM	125896100	9,860	553,956SH	X			01
CMS ENERGY CORP	COM	125896100	1	45SH			X	01
CSX CORP	COM	126408103	743	18,560SH	X			01
CSX CORP	COM	126408103	239	5,980SH			X	01
CVS CAREMARK CORP	COM	126650100	3,793	111,090SH	X			01
CVS CAREMARK CORP	COM	126650100	300	8,790SH			X	01
CA INC	COM	12673P105	275	10,619SH	X			01
CA INC	COM	12673P105	180	6,962SH			X	01
CABELAS INC	COM	126804301	4,806	193,718SH	X			01
CADBURY SCHWEPPEES PLC	ADR	127209302	649	12,625SH	X			01
CADBURY SCHWEPPEES PLC	ADR	127209302	6	120SH			X	01
CADENCE DESIGN SYSTEM	COM	127387108	10,491	498,136SH	X			01
CALAMOS STRATEGIC TOTAL	COM SH BEN INT	128125101	153	10,105SH	X			01
CALGON CARBON CORP	COM	129603106	439	52,850SH	X			01
CALGON CARBON CORP	COM	129603106	2	200SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

CAMECO CORP	COM	13321L108	1,836	44,836SH	X		01
CAMECO CORP	COM	13321L108	487	11,900SH		X	01
CAMPBELL SOUP CO	COM	134429109	2,102	53,960SH	X		01
CAMPBELL SOUP CO	COM	134429109	153	3,932SH		X	01
CANON INC	ADR	138006309	703	13,093SH	X		01
CANON INC	ADR	138006309	5	90SH		X	01
CAPITAL ONE FINL CORP	COM	14040H105	501	6,636SH	X		01
CAPITAL ONE FINL CORP	COM	14040H105	795	10,538SH		X	01
CAPSTONE TURBINE CORP	COM	14067D102	16	15,000SH		X	01
CARDINAL HEALTH INC	COM	14149Y108	7,560	103,626SH	X		01
CARDINAL HEALTH INC	COM	14149Y108	857	11,747SH		X	01
CARMAX INC	COM	143130102	1,331	54,226SH	X		01
CARNIVAL CORP	PAIRED CTF	143658300	491	10,487SH	X		01
CARNIVAL CORP	PAIRED CTF	143658300	366	7,800SH		X	01
CASEYS GEN STORES INC	COM	147528103	233	9,297SH	X		01
CASEYS GEN STORES INC	COM	147528103	3	100SH		X	01
CATERPILLAR INC DEL	COM	149123101	6,032	89,990SH	X		01
CATERPILLAR INC DEL	COM	149123101	3,180	47,441SH		X	01
CBEYOND INC	COM	149847105	2,652	90,436SH	X		01
CELADON GROUP INC	COM	150838100	1,291	77,332SH	X		01
CELGENE CORP	COM	151020104	3,779	72,043SH	X		01
CELGENE CORP	COM	151020104	142	2,706SH		X	01
CEMEX SAB DE CV	SPON ADR 5 ORD	151290889	495	15,107SH	X		01
CEMEX SAB DE CV	SPON ADR 5 ORD	151290889	16	482SH		X	01
CENTERPOINT ENERGY INC	COM	15189T107	5,441	303,298SH	X		01
CENTERPOINT ENERGY INC	COM	15189T107	44	2,474SH		X	01
CENTERPLATE INC	UNIT 99/99/9999	15200E204	33	2,000SH	X		01
CENTERPLATE INC	UNIT 99/99/9999	15200E204	301	18,500SH		X	01
CENTRAL EUROPEAN DIST	COM	153435102	1,776	61,013SH	X		01
CENTRAL FD CDA LTD	CL A	153501101	94	10,000SH	X		01
CENTRAL FD CDA LTD	CL A	153501101	2	200SH		X	01
CENVEO INC	COM	15670S105	267	11,000SH	X		01
CENTURYTEL INC	COM	156700106	168	3,718SH	X		01
CENTURYTEL INC	COM	156700106	79	1,745SH		X	01
CEPHALON INC	COM	156708109	3,108	43,650SH	X		01
CERNER CORP	COM	156782104	1,785	32,780SH	X		01
CHARLES RIV LABS INTL	COM	159864107	58	1,256SH	X		01
CHARLES RIV LABS INTL	COM	159864107	227	4,917SH		X	01
CHECKPOINT SYS INC	COM	162825103	374	15,813SH	X		01
CHESAPEAKE ENERGY CORP	COM	165167107	2,485	80,481SH	X		01
CHESAPEAKE ENERGY CORP	COM	165167107	162	5,245SH		X	01
CHEVRON CORP NEW	COM	166764100	65,451	884,949SH	X		01
CHEVRON CORP NEW	COM	166764100	6,338	85,701SH		X	01
CHICAGO MERCANTILE	CL A	167760107	2,750	5,164SH	X		01
CHICAGO MERCANTILE	CL A	167760107	239	449SH		X	01
CHICOS FAS INC	COM	168615102	5,262	215,381SH	X		01
CHICOS FAS INC	COM	168615102	7	300SH		X	01
CHUBB CORP	COM	171232101	9,491	183,683SH	X		01
CHUBB CORP	COM	171232101	331	6,411SH		X	01
CHUNGHWA TELECOM CO LTD	SPONSORED ADR	17133Q205	0	6SH	X		01
CHUNGHWA TELECOM CO LTD	SPONSORED ADR	17133Q205	885	44,415SH		X	01
CINCINNATI FINL CORP	COM	172062101	5,453	128,614SH	X		01
CINCINNATI FINL CORP	COM	172062101	85	2,015SH		X	01
CISCO SYS INC	COM	17275R102	35,170	1,377,578SH	X		01
CISCO SYS INC	COM	17275R102	4,515	176,861SH		X	01
CINTAS CORP	COM	172908105	754	20,880SH	X		01
CINTAS CORP	COM	172908105	12	325SH		X	01
CITIGROUP INC	COM	172967101	61,787	1,203,494SH	X		01
CITIGROUP INC	COM	172967101	6,959	135,541SH		X	01
CITIZENS COMMUNICATIONS	COM	17453B101	16,531	1,105,759SH	X		01
CITIZENS COMMUNICATIONS	COM	17453B101	190	12,720SH		X	01
CITRIX SYS INC	COM	177376100	597	18,629SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

CITRIX SYS INC	COM	177376100	17	531SH		X	01
CITY NATL CORP	COM	178566105	5,461	74,203SH	X		01
CLARCOR INC	COM	179895107	24	745SH	X		01
CLARCOR INC	COM	179895107	445	14,000SH		X	01
CLEAR CHANNEL COMMNCTN	COM	184502102	7,774	221,869SH	X		01
CLEAR CHANNEL COMMNCTN	COM	184502102	86	2,448SH		X	01
CLOROX CO DEL	COM	189054109	1,071	16,811SH	X		01
CLOROX CO DEL	COM	189054109	79	1,242SH		X	01
COACH INC	COM	189754104	8,539	170,615SH	X		01
COACH INC	COM	189754104	1,294	25,860SH		X	01
COCA COLA CO	COM	191216100	25,594	533,214SH	X		01
COCA COLA CO	COM	191216100	4,642	96,717SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR OTHER (B)	OTHER (C)	OTHER MGRS
COCA COLA ENTERPRISES	COM	191219104	11,431	564,500SH	X			01
COCA COLA ENTERPRISES	COM	191219104	3	131SH			X	01
COEUR D ALENE MINES	COM	192108108	45	11,000SH	X			01
COGNIZANT TECHNOLOGY	CL A	192446102	3,841	43,509SH	X			01
COGNIZANT TECHNOLOGY	CL A	192446102	272	3,081SH			X	01
COLGATE PALMOLIVE CO	COM	194162103	18,399	275,482SH	X			01
COLGATE PALMOLIVE CO	COM	194162103	2,857	42,769SH			X	01
COLONIAL BANCGROUP INC	COM	195493309	239	9,665SH	X			01
COMCAST CORP NEW	CL A	20030N101	17,247	664,612SH	X			01
COMCAST CORP NEW	CL A	20030N101	687	26,471SH			X	01
COMCAST CORP NEW	CL A SPL	20030N200	120	4,717SH	X			01
COMCAST CORP NEW	CL A SPL	20030N200	604	23,695SH			X	01
COMERICA INC	COM	200340107	6,338	107,208SH	X			01
COMERICA INC	COM	200340107	305	5,161SH			X	01
COMMERCE BANCORP INC NJ	COM	200519106	255	7,626SH	X			01
COMMERCE BANCSHARES INC	COM	200525103	3,761	77,854SH	X			01
COMMERCE BANCSHARES INC	COM	200525103	1,253	25,944SH			X	01
COMPASS BANCSHARES INC	COM	20449H109	879	12,773SH	X			01
COMPASS BANCSHARES INC	COM	20449H109	7	96SH			X	01
COMPUTER SCIENCES CORP	COM	205363104	1,714	32,884SH	X			01
COMPUTER SCIENCES CORP	COM	205363104	31	598SH			X	01
COMPUWARE CORP	COM	205638109	379	39,896SH	X			01
COMPUWARE CORP	COM	205638109	1	85SH			X	01
CONAGRA FOODS INC	COM	205887102	3,104	124,606SH	X			01
CONAGRA FOODS INC	COM	205887102	43	1,707SH			X	01
CONOCOPHILLIPS	COM	20825C104	27,032	395,492SH	X			01
CONOCOPHILLIPS	COM	20825C104	2,536	37,107SH			X	01
CONSECO INC	COM NEW	208464883	238	13,764SH	X			01
CONSOLIDATED EDISON INC	COM	209115104	10,337	202,449SH	X			01
CONSOLIDATED EDISON INC	COM	209115104	326	6,385SH			X	01
CONSOLIDATED GRAPHICS	COM	209341106	264	3,560SH	X			01
CONSTELLATION ENERGY	COM	210371100	4,826	55,506SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

CONSTELLATION ENERGY	COM	210371100	49	569SH			X	01
CONVERGYS CORP	COM	212485106	1,054	41,462SH	X			01
CONVERGYS CORP	COM	212485106	19	730SH			X	01
CORN PRODS INTL INC	COM	219023108	341	9,589SH	X			01
CORNING INC	COM	219350105	2,062	90,688SH	X			01
CORNING INC	COM	219350105	84	3,711SH			X	01
COSTCO WHSL CORP NEW	COM	22160K105	1,040	19,315SH	X			01
COSTCO WHSL CORP NEW	COM	22160K105	360	6,680SH			X	01
COUNTRYWIDE FINANCIAL	COM	222372104	1,732	51,499SH	X			01
COUNTRYWIDE FINANCIAL	COM	222372104	245	7,269SH			X	01
COVANCE INC	COM	222816100	1,457	24,548SH	X			01
COVENTRY HEALTH CARE	COM	222862104	431	7,685SH	X			01
COVENTRY HEALTH CARE	COM	222862104	3	45SH			X	01
COX RADIO INC	CL A	224051102	153	11,179SH	X			01
CREDIT SUISSE GROUP	SPONSORED ADR	225401108	262	3,642SH	X			01
CREDIT SUISSE GROUP	SPONSORED ADR	225401108	6	80SH			X	01
CROWN CASTLE INTL CORP	COM	228227104	1,605	49,958SH	X			01
CROWN CASTLE INTL CORP	COM	228227104	64	2,000SH			X	01
CUMMINS INC	COM	231021106	2,312	15,979SH	X			01
CUMMINS INC	COM	231021106	19	129SH			X	01
CURRENCY SHS JAPANESE	JAPANESE YEN	23130A102	229	2,699SH			X	01
CURRENCY SHARES EURO TR	EURO SHS	23130C108	201	1,500SH	X			01
CURRENCY SHARES EURO TR	EURO SHS	23130C108	622	4,641SH			X	01
CUTERA INC	COM	232109108	2,937	81,153SH	X			01
CYNOSURE INC	CL A	232577205	1,933	67,006SH	X			01
CYTEC INDS INC	COM	232820100	244	4,347SH	X			01
CYTEC INDS INC	COM	232820100	18	316SH			X	01
DNP SELECT INCOME FD	COM	23325P104	747	66,423SH	X			01
DNP SELECT INCOME FD	COM	23325P104	45	3,995SH		X		01
DRS TECHNOLOGIES INC	COM	23330X100	4,560	87,415SH	X			01
D R HORTON INC	COM	23331A109	755	34,308SH	X			01
D R HORTON INC	COM	23331A109	1	65SH			X	01
DST SYS INC DEL	COM	233326107	2,033	27,040SH	X			01
DTE ENERGY CO	COM	233331107	5,917	123,521SH	X			01
DTE ENERGY CO	COM	233331107	152	3,175SH			X	01
DANAHER CORP DEL	COM	235851102	2,606	36,478SH	X			01
DANAHER CORP DEL	COM	235851102	198	2,776SH			X	01
DARDEN RESTAURANTS INC	COM	237194105	393	9,537SH	X			01
DARDEN RESTAURANTS INC	COM	237194105	8	205SH			X	01
DEALERTRACK HLDGS INC	COM	242309102	2,287	74,449SH	X			01
DEAN FOODS CO NEW	COM	242370104	353	7,558SH	X			01
DEAN FOODS CO NEW	COM	242370104	4	90SH			X	01
DEERE & CO	COM	244199105	10,942	100,714SH	X			01
DEERE & CO	COM	244199105	847	7,794SH			X	01
DEL MONTE FOODS CO	COM	24522P103	11,566	1,007,453SH	X			01
DEL MONTE FOODS CO	COM	24522P103	32	2,746SH			X	01
DELL INC	COM	24702R101	9,917	427,252SH	X			01
DELL INC	COM	24702R101	851	36,662SH			X	01
DENBURY RES INC	COM NEW	247916208	1,786	59,964SH	X			01
DENNYS CORP	COM	24869P104	221	45,000SH	X			01
DENTSPLY INTL INC NEW	COM	249030107	6,761	206,450SH	X			01
DENTSPLY INTL INC NEW	COM	249030107	52	1,600SH			X	01
DEUTSCHE TELEKOM AG	SPONSORED ADR	251566105	194	11,725SH	X			01
DEUTSCHE TELEKOM AG	SPONSORED ADR	251566105	10	595SH			X	01
DEVELOPERS DIVERSIFIED	COM	251591103	212	3,367SH	X			01
DEVELOPERS DIVERSIFIED	COM	251591103	6	95SH			X	01
DEVON ENERGY CORP NEW	COM	25179M103	4,128	59,631SH	X			01
DEVON ENERGY CORP NEW	COM	25179M103	217	3,137SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
 SECURITIES AND EXCHANGE COMMISSION FORM 13F  
 ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER (C)	OTHER MGRS
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)		
DEVRY INC DEL	COM	251893103	244	8,312SH	X			01	
DIAGEO P L C	SPON ADR NEW	25243Q205	669	8,270SH	X			01	
DIAGEO P L C	SPON ADR NEW	25243Q205	155	1,917SH			X	01	
DIAMONDS TR	UNIT SER 1	252787106	2,434	19,698SH	X			01	
DIAMONDS TR	UNIT SER 1	252787106	1,734	14,028SH			X	01	
DIGITAL RIV INC	COM	25388B104	3,192	57,765SH	X			01	
DIGITAL RIV INC	COM	25388B104	21	385SH			X	01	
DILLARDS INC	CL A	254067101	500	15,281SH	X			01	
DIRECTV GROUP INC	COM	25459L106	483	20,924SH	X			01	
DIRECTV GROUP INC	COM	25459L106	134	5,821SH			X	01	
DISNEY WALT CO	COM DISNEY	254687106	21,482	623,926SH	X			01	
DISNEY WALT CO	COM DISNEY	254687106	2,044	59,379SH			X	01	
DOMINION RES INC VA NEW	COM	25746U109	2,665	30,021SH	X			01	
DOMINION RES INC VA NEW	COM	25746U109	166	1,870SH			X	01	
DONNELLEY R R & SONS CO	COM	257867101	14,384	393,119SH	X			01	
DONNELLEY R R & SONS CO	COM	257867101	95	2,595SH			X	01	
DOUBLE-TAKE SOFTWARE	COM	258598101	1,265	93,650SH	X			01	
DOVER CORP	COM	260003108	217	4,452SH	X			01	
DOVER CORP	COM	260003108	324	6,642SH			X	01	
DOW CHEM CO	COM	260543103	15,381	335,385SH	X			01	
DOW CHEM CO	COM	260543103	1,420	30,962SH			X	01	
DOW JONES & CO INC	COM	260561105	1,238	35,919SH	X			01	
DOW JONES & CO INC	COM	260561105	62	1,810SH			X	01	
DRDGOLD LTD	SPONSORED ADR	26152H103	9	14,000SH			X	01	
DU PONT E I DE NEMOURS	COM	263534109	8,786	177,752SH	X			01	
DU PONT E I DE NEMOURS	COM	263534109	1,285	25,990SH			X	01	
DUKE ENERGY CORP NEW	COM	26441C105	3,351	165,151SH	X			01	
DUKE ENERGY CORP NEW	COM	26441C105	202	9,936SH			X	01	
DUKE REALTY CORP	COM NEW	264411505	455	10,472SH	X			01	
DUKE REALTY CORP	COM NEW	264411505	54	1,246SH			X	01	
DUN & BRADSTREET CORP	COM	26483E100	2,576	28,242SH	X			01	
DYNEGY INC NEW	CL A	26816Q101	161	17,392SH	X			01	
DYNEGY INC NEW	CL A	26816Q101	4	451SH			X	01	
EGL INC	COM	268484102	266	6,717SH	X			01	
E M C CORP MASS	COM	268648102	4,464	322,277SH	X			01	
E M C CORP MASS	COM	268648102	63	4,559SH			X	01	
ENSCO INTL INC	COM	26874Q100	1,663	30,570SH	X			01	
ENSCO INTL INC	COM	26874Q100	238	4,366SH			X	01	
ENI S P A	SPONSORED ADR	26874R108	11	163SH	X			01	
ENI S P A	SPONSORED ADR	26874R108	532	8,211SH			X	01	
EOG RES INC	COM	26875P101	1,866	26,163SH	X			01	
EOG RES INC	COM	26875P101	168	2,354SH			X	01	
E TRADE FINANCIAL CORP	COM	269246104	624	29,419SH	X			01	
E TRADE FINANCIAL CORP	COM	269246104	31	1,477SH			X	01	
EASTMAN CHEM CO	COM	277432100	1,620	25,578SH	X			01	
EASTMAN CHEM CO	COM	277432100	55	875SH			X	01	
EASTMAN KODAK CO	COM	277461109	977	43,324SH	X			01	
EASTMAN KODAK CO	COM	277461109	79	3,484SH			X	01	

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

EATON CORP	COM	278058102	2,674	31,998SH	X			01
EATON CORP	COM	278058102	350	4,193SH			X	01
EATON VANCE LTD DRTN	COM	27828H105	276	15,000SH	X			01
EATON VANCE LTD DRTN	COM	27828H105	10	520SH		X		01
EBAY INC	COM	278642103	1,324	39,949SH	X			01
EBAY INC	COM	278642103	93	2,797SH			X	01
ECHOSTAR COMMUNICATNS	CL A	278762109	1,842	42,418SH	X			01
ECHOSTAR COMMUNICATNS	CL A	278762109	87	2,001SH			X	01
ECOLAB INC	COM	278865100	2,875	66,855SH	X			01
ECOLAB INC	COM	278865100	665	15,462SH			X	01
EDISON INTL	COM	281020107	14,481	294,746SH	X			01
EDISON INTL	COM	281020107	113	2,291SH			X	01
EDWARDS LIFESCIENCES	COM	28176E108	951	18,756SH	X			01
EDWARDS LIFESCIENCES	COM	28176E108	35	700SH			X	01
EDWARDS AG INC	COM	281760108	3,500	50,587SH	X			01
ELECTRONIC ARTS INC	COM	285512109	9,119	181,086SH	X			01
ELECTRONIC ARTS INC	COM	285512109	630	12,511SH			X	01
ELECTRONIC DATA SYS NEW	COM	285661104	2,271	82,061SH	X			01
ELECTRONIC DATA SYS NEW	COM	285661104	8	300SH			X	01
ELECTRONICS FOR IMAGING	COM	286082102	7,606	324,359SH	X			01
ELECTRONICS FOR IMAGING	COM	286082102	14	600SH			X	01
EMBARQ CORP	COM	29078E105	15,024	266,615SH	X			01
EMBARQ CORP	COM	29078E105	204	3,612SH			X	01
EMERSON ELEC CO	COM	291011104	12,991	301,491SH	X			01
EMERSON ELEC CO	COM	291011104	4,816	111,760SH			X	01
EMPIRE DIST ELEC CO	COM	291641108	1,202	48,484SH	X			01
EMPIRE DIST ELEC CO	COM	291641108	17	700SH			X	01
ENBRIDGE ENERGY PRTNRS	COM	29250R106	235	4,204SH	X			01
ENCANA CORP	COM	292505104	240	4,750SH	X			01
ENCANA CORP	COM	292505104	250	4,946SH			X	01
ENDESA S A	SPONSORED ADR	29258N107	4	70SH	X			01
ENDESA S A	SPONSORED ADR	29258N107	418	7,800SH			X	01
ENERGEN CORP	COM	29265N108	249	4,900SH	X			01
ENERGEN CORP	COM	29265N108	16	306SH			X	01
ENEL SOCIETA PER AZIONI	ADR	29265W108	743	13,880SH			X	01
ENERGY EAST CORP	COM	29266M109	2,594	106,477SH	X			01
ENERGIZER HLDGS INC	COM	29266R108	6,020	70,549SH	X			01
ENERGIZER HLDGS INC	COM	29266R108	3,881	45,479SH			X	01
ENERGY TRANSFER PRTNRS	UNIT LTD PARTN	29273R109	135	2,318SH	X			01
ENERGY TRANSFER PRTNRS	UNIT LTD PARTN	29273R109	128	2,200SH			X	01
ENERPLUS RES FD	UNIT TR G NEW	29274D604	66	1,560SH	X			01
ENERPLUS RES FD	UNIT TR G NEW	29274D604	190	4,500SH			X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	SHR OTHR (B)	OTHR (C)	OTHR MGRS
ENERGY CORP NEW	COM	29364G103	14,759	140,668SH	X			01
ENERGY CORP NEW	COM	29364G103	8	77SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

EQUIFAX INC	COM	294429105	652	17,898SH	X		01
EQUIFAX INC	COM	294429105	15	417SH		X	01
EQUINIX INC	COM NEW	29444U502	4,850	56,639SH	X		01
EQUITY RESIDENTIAL	SH BEN INT	29476L107	4,501	93,323SH	X		01
EQUITY RESIDENTIAL	SH BEN INT	29476L107	99	2,048SH		X	01
ERICSSON L M TEL CO	ADR B SEK 10	294821608	8,362	225,439SH	X		01
ERICSSON L M TEL CO	ADR B SEK 10	294821608	985	26,544SH		X	01
ESSEX PPTY TR INC	COM	297178105	1,513	11,684SH	X		01
EXELON CORP	COM	30161N101	3,448	50,182SH	X		01
EXELON CORP	COM	30161N101	323	4,702SH		X	01
EXPEDITORS INTL WASH	COM	302130109	1,013	24,515SH	X		01
EXPEDITORS INTL WASH	COM	302130109	55	1,325SH		X	01
EXPRESS SCRIPTS INC	COM	302182100	2,022	25,055SH	X		01
EXPRESS SCRIPTS INC	COM	302182100	24	303SH		X	01
EXXON MOBIL CORP	COM	30231G102	95,426	1,264,758SH	X		01
EXXON MOBIL CORP	COM	30231G102	24,427	323,749SH		X	01
FEI CO	COM	30241L109	1,927	53,438SH	X		01
FNB CORP PA	COM	302520101	649	38,538SH	X		01
FPL GROUP INC	COM	302571104	2,693	44,033SH	X		01
FPL GROUP INC	COM	302571104	745	12,181SH		X	01
FTI CONSULTING INC	COM	302941109	202	6,000SH	X		01
FALCONSTOR SOFTWARE INC	COM	306137100	1,356	130,168SH	X		01
FAMILY DLR STORES INC	COM	307000109	505	17,065SH	X		01
FAMILY DLR STORES INC	COM	307000109	1	25SH		X	01
FASTENAL CO	COM	311900104	759	21,653SH	X		01
FASTENAL CO	COM	311900104	12	345SH		X	01
FEDERAL HOME LN MTG	COM	313400301	9,184	154,385SH	X		01
FEDERAL HOME LN MTG	COM	313400301	958	16,106SH		X	01
FEDERAL NATL MTG ASSN	COM	313586109	2,765	50,666SH	X		01
FEDERAL NATL MTG ASSN	COM	313586109	997	18,271SH		X	01
FEDERAL SIGNAL CORP	COM	313855108	1,159	74,699SH	X		01
FEDERAL SIGNAL CORP	COM	313855108	23	1,500SH		X	01
FEDERATED DEPT STORES	COM	31410H101	2,620	58,165SH	X		01
FEDERATED DEPT STORES	COM	31410H101	142	3,160SH		X	01
FEDERATED INVS INC PA	CL B	314211103	605	16,472SH	X		01
FEDERATED INVS INC PA	CL B	314211103	4	107SH		X	01
FEDEX CORP	COM	31428X106	2,163	20,133SH	X		01
FEDEX CORP	COM	31428X106	423	3,940SH		X	01
FIBERTOWER CORP	COM	31567R100	52	10,000SH		X	01
FIDELITY NATL INFORMTN	COM	31620M106	1,811	39,842SH	X		01
FIDELITY NATIONAL FINCL	CL A	31620R105	923	38,459SH	X		01
FIFTH THIRD BANCORP	COM	316773100	6,606	170,741SH	X		01
FIFTH THIRD BANCORP	COM	316773100	448	11,572SH		X	01
FIRST BUS FINL SVCS INC	COM	319390100	360	16,000SH	X		01
FIRST CASH FINL SVCS	COM	31942D107	2,399	107,657SH	X		01
FIRST DATA CORP	COM	319963104	1,521	56,545SH	X		01
FIRST DATA CORP	COM	319963104	68	2,511SH		X	01
FIRST HORIZON NATL CORP	COM	320517105	5,115	123,167SH	X		01
FIRST HORIZON NATL CORP	COM	320517105	118	2,852SH		X	01
FIRST IND CORP	COM	32054R108	94	4,282SH	X		01
FIRST IND CORP	COM	32054R108	401	18,361SH		X	01
FIRST NIAGARA FINL GP	COM	33582V108	173	12,404SH	X		01
FIRST PL FINL CORP	COM	33610T109	289	13,457SH	X		01
FIRST SOLAR INC	COM	336433107	2,421	46,548SH	X		01
1ST SOURCE CORP	COM	336901103	178	6,788SH	X		01
1ST SOURCE CORP	COM	336901103	1,077	41,163SH		X	01
FISERV INC	COM	337738108	15,001	282,724SH	X		01
FISERV INC	COM	337738108	498	9,389SH		X	01
FIRSTENERGY CORP	COM	337932107	2,469	37,272SH	X		01
FIRSTENERGY CORP	COM	337932107	13	199SH		X	01
FIVE STAR QUALITY CARE	COM	33832D106	2,252	219,067SH	X		01
FLORIDA EAST COAST INDS	COM	340632108	251	4,000SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

FLUOR CORP NEW	COM	343412102	2,377	26,490SH	X			01
FLUOR CORP NEW	COM	343412102	8	88SH			X	01
FORD MTR CO DEL	COM PAR \$0.01	345370860	1,154	146,259SH	X			01
FORD MTR CO DEL	COM PAR \$0.01	345370860	244	30,984SH			X	01
FOREST LABS INC	COM	345838106	662	12,871SH	X			01
FOREST LABS INC	COM	345838106	572	11,117SH			X	01
FORTUNE BRANDS INC	COM	349631101	2,099	26,624SH	X			01
FORTUNE BRANDS INC	COM	349631101	1,273	16,154SH			X	01
FRANCE TELECOM	SPONSORED ADR	35177Q105	205	7,775SH	X			01
FRANCE TELECOM	SPONSORED ADR	35177Q105	107	4,050SH			X	01
FRANKLIN RES INC	COM	354613101	4,110	34,012SH	X			01
FRANKLIN RES INC	COM	354613101	26	215SH			X	01
FRANKLIN TEMPLETON LTD	COM	35472T101	157	11,000SH	X			01
FREEMPORT-MCMORAN COPPER	COM	35671D857	7,363	111,240SH	X			01
FREEMPORT-MCMORAN COPPER	COM	35671D857	67	1,017SH			X	01
FUJIFILM HLDGS CORP	ADR 2 ORD	35958N107	108	2,655SH	X			01
FUJIFILM HLDGS CORP	ADR 2 ORD	35958N107	803	19,660SH			X	01
FURNITURE BRANDS INTL	COM	360921100	9,215	583,997SH	X			01
GATX CORP	COM	361448103	1,644	34,403SH	X			01
GEO GROUP INC	COM	36159R103	213	4,701SH	X			01
GFI GROUP INC	COM	361652209	3,437	50,564SH	X			01
GALLAGHER ARTHUR J & CO	COM	363576109	128	4,532SH	X			01
GALLAGHER ARTHUR J & CO	COM	363576109	90	3,165SH			X	01
GALLAHER GROUP PLC	SPONSORED ADR	363595109	622	6,967SH	X			01
GALLAHER GROUP PLC	SPONSORED ADR	363595109	835	9,360SH			X	01
GAMESTOP CORP NEW	CL A	36467W109	5,745	176,377SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
GANNETT INC	COM	364730101	3,402	60,442SH	X			01
GANNETT INC	COM	364730101	146	2,597SH			X	01
GAP INC DEL	COM	364760108	836	48,605SH	X			01
GAP INC DEL	COM	364760108	33	1,904SH			X	01
GARTNER INC	COM	366651107	1,679	70,085SH	X			01
GEHL CO	COM	368483103	609	24,000SH			X	01
GENENTECH INC	COM NEW	368710406	9,354	113,902SH	X			01
GENENTECH INC	COM NEW	368710406	1,824	22,213SH			X	01
GENERAL CABLE CORP	COM	369300108	345	6,460SH	X			01
GENERAL COMMUNICATION	CL A	369385109	302	21,597SH	X			01
GENERAL DYNAMICS CORP	COM	369550108	5,272	69,009SH	X			01
GENERAL DYNAMICS CORP	COM	369550108	188	2,458SH			X	01
GENERAL ELECTRIC CO	COM	369604103	89,612	2,534,278SH	X			01
GENERAL ELECTRIC CO	COM	369604103	20,287	573,725SH			X	01
GENERAL MLS INC	COM	370334104	6,834	117,378SH	X			01
GENERAL MLS INC	COM	370334104	1,045	17,943SH			X	01
GENERAL MTRS CORP	COM	370442105	1,635	53,364SH	X			01
GENERAL MTRS CORP	COM	370442105	105	3,432SH			X	01



Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

GENUINE PARTS CO	COM	372460105	2,815	57,439SH	X		01
GENUINE PARTS CO	COM	372460105	167	3,408SH		X	01
GENWORTH FINL INC	COM CL A	37247D106	377	10,793SH	X		01
GENWORTH FINL INC	COM CL A	37247D106	125	3,574SH		X	01
GENZYME CORP	COM	372917104	2,966	49,416SH	X		01
GENZYME CORP	COM	372917104	171	2,848SH		X	01
GILEAD SCIENCES INC	COM	375558103	11,355	148,136SH	X		01
GILEAD SCIENCES INC	COM	375558103	494	6,450SH		X	01
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	2,955	53,466SH	X		01
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	858	15,518SH		X	01
GLOBAL IMAGING SYSTEMS	COM	37934A100	237	12,134SH	X		01
GOLD FIELDS LTD NEW	SPONSORED ADR	38059T106	277	15,000SH	X		01
GOLD FIELDS LTD NEW	SPONSORED ADR	38059T106	176	9,505SH		X	01
GOLDMAN SACHS GROUP INC	COM	38141G104	28,375	137,322SH	X		01
GOLDMAN SACHS GROUP INC	COM	38141G104	2,891	13,993SH		X	01
GOODRICH CORP	COM	382388106	1,197	23,246SH	X		01
GOODRICH CORP	COM	382388106	0	9SH		X	01
GOODYEAR TIRE & RUBR CO	COM	382550101	298	9,544SH	X		01
GOODYEAR TIRE & RUBR CO	COM	382550101	1	20SH		X	01
GOOGLE INC	CL A	38259P508	9,050	19,754SH	X		01
GOOGLE INC	CL A	38259P508	688	1,501SH		X	01
GRAINGER W W INC	COM	384802104	1,181	15,290SH	X		01
GRAINGER W W INC	COM	384802104	139	1,805SH		X	01
GRANT PRIDECO INC	COM	38821G101	6,111	122,614SH	X		01
GREAT PLAINS ENERGY INC	COM	391164100	1,783	54,938SH	X		01
GREAT PLAINS ENERGY INC	COM	391164100	31	950SH		X	01
GREATER BAY BANCORP	COM	391648102	154	5,723SH	X		01
GREATER BAY BANCORP	COM	391648102	269	10,000SH		X	01
GREENFIELD ONLINE INC	COM	395150105	2,248	141,413SH	X		01
HMS HLDGS CORP	COM	40425J101	2,878	131,395SH	X		01
HSBC HLDGS PLC	SPON ADR NEW	404280406	681	7,755SH	X		01
HSBC HLDGS PLC	SPON ADR NEW	404280406	1,004	11,435SH		X	01
HALLIBURTON CO	COM	406216101	1,926	60,677SH	X		01
HALLIBURTON CO	COM	406216101	346	10,895SH		X	01
HANESBRANDS INC	COM	410345102	190	6,477SH	X		01
HANESBRANDS INC	COM	410345102	59	2,002SH		X	01
HARLEY DAVIDSON INC	COM	412822108	6,067	103,260SH	X		01
HARLEY DAVIDSON INC	COM	412822108	1,562	26,583SH		X	01
HARMAN INTL INDS INC	COM	413086109	394	4,096SH	X		01
HARMAN INTL INDS INC	COM	413086109	4	45SH		X	01
HARRAHS ENTMT INC	COM	413619107	233	2,759SH	X		01
HARRAHS ENTMT INC	COM	413619107	286	3,381SH		X	01
HARRIS CORP DEL	COM	413875105	1,564	30,688SH	X		01
HARRIS CORP DEL	COM	413875105	33	650SH		X	01
HARSCO CORP	COM	415864107	1,986	44,262SH	X		01
HARSCO CORP	COM	415864107	25	568SH		X	01
HARTE-HANKS INC	COM	416196103	10,502	380,641SH	X		01
HARTFORD FINL SVCS GRP	COM	416515104	10,544	110,315SH	X		01
HARTFORD FINL SVCS GRP	COM	416515104	968	10,127SH		X	01
HASBRO INC	COM	418056107	248	8,651SH	X		01
HASBRO INC	COM	418056107	18	613SH		X	01
HAWAIIAN ELEC INDUSTRS	COM	419870100	264	10,142SH	X		01
HEAD N V	NY REGISTRY SH	422070102	353	86,595SH	X		01
HEAD N V	NY REGISTRY SH	422070102	4	1,000SH		X	01
HEALTH NET INC	COM	42222G108	10,402	193,307SH	X		01
HEALTH NET INC	COM	42222G108	45	840SH		X	01
HEARTLAND FINL USA INC	COM	42234Q102	255	9,529SH	X		01
HEINZ H J CO	COM	423074103	4,580	97,192SH	X		01
HEINZ H J CO	COM	423074103	637	13,520SH		X	01
HELIX ENERGY SOLUTIONS GRP I	COM	42330P107	276	7,410SH	X		01
HENRY JACK & ASSOC INC	COM	426281101	2	43SH		X	01
			29	1,196SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

HENRY JACK & ASSOC INC	COM	426281101	337	14,000SH			X	01
HERCULES INC	COM	427056106	1,433	73,345SH		X		01
HERCULES INC	COM	427056106	10	502SH			X	01
HERSHEY CO	COM	427866108	2,132	39,003SH		X		01
HERSHEY CO	COM	427866108	399	7,305SH			X	01
HESS CORP	COM	42809H107	12,654	228,132SH		X		01
HESS CORP	COM	42809H107	16	290SH			X	01
HEWLETT PACKARD CO	COM	428236103	18,991	473,124SH		X		01
HEWLETT PACKARD CO	COM	428236103	2,268	56,490SH			X	01
HILB ROGAL & HOBBS CO	COM	431294107	345	7,035SH		X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION				
					SH/PUT/SOLE PRN CALL(A)	SHR (B)	OTHR (C)	OTHR MGRS	
HILLENBRAND INDS INC	COM	431573104	781	13,148SH	X				01
HILLENBRAND INDS INC	COM	431573104	6	100SH			X		01
HILTON HOTELS CORP	COM	432848109	2,736	76,085SH	X				01
HILTON HOTELS CORP	COM	432848109	72	1,996SH			X		01
HITACHI LIMITED	ADR 10 COM	433578507	270	3,499SH	X				01
HOLOGIC INC	COM	436440101	4,080	70,792SH	X				01
HOLOGIC INC	COM	436440101	20	350SH			X		01
HOME DEPOT INC	COM	437076102	11,237	305,843SH	X				01
HOME DEPOT INC	COM	437076102	672	18,293SH			X		01
HONDA MOTOR LTD	AMERN SHS	438128308	323	9,264SH	X				01
HONDA MOTOR LTD	AMERN SHS	438128308	15	434SH			X		01
HONEYWELL INTL INC	COM	438516106	6,289	136,537SH	X				01
HONEYWELL INTL INC	COM	438516106	622	13,513SH			X		01
HORACE MANN EDUCATORS	COM	440327104	69	3,366SH	X				01
HORACE MANN EDUCATORS	COM	440327104	133	6,495SH			X		01
HOSPIRA INC	COM	441060100	2,582	63,124SH	X				01
HOSPIRA INC	COM	441060100	131	3,215SH			X		01
HOST HOTELS & RESORTS	COM	44107P104	196	7,464SH	X				01
HOST HOTELS & RESORTS	COM	44107P104	13	480SH			X		01
HOUSTON EXPL CO	COM	442120101	407	7,551SH	X				01
HUB GROUP INC	CL A	443320106	1,268	43,753SH	X				01
HUMANA INC	COM	444859102	1,331	22,943SH	X				01
HUMANA INC	COM	444859102	60	1,041SH			X		01
HUNT J B TRANS SVCS	COM	445658107	8,445	321,834SH	X				01
HUNTINGTON BANCSHARES	COM	446150104	7,831	358,401SH	X				01
HUNTINGTON BANCSHARES	COM	446150104	96	4,385SH			X		01
HURCO COMPANIES INC	COM	447324104	300	7,000SH	X				01
IMS HEALTH INC	COM	449934108	13,064	440,463SH	X				01
IMS HEALTH INC	COM	449934108	98	3,288SH			X		01
ISTAR FINL INC	COM	45031U101	830	17,725SH	X				01
ITT EDUCATIONAL SRVCS	COM	45068B109	458	5,620SH	X				01
ITT CORP NEW	COM	450911102	15,200	251,997SH	X				01
ITT CORP NEW	COM	450911102	156	2,592SH			X		01
ICON PUB LTD CO	SPONSORED ADR	45103T107	2,794	65,581SH	X				01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ICONIX BRAND GROUP INC	COM	451055107	2,612	128,048SH	X		01
IDEARC INC	COM	451663108	158	4,500SH	X		01
IDEARC INC	COM	451663108	67	1,897SH		X	01
ILLINOIS TOOL WKS INC	COM	452308109	6,599	127,897SH	X		01
ILLINOIS TOOL WKS INC	COM	452308109	2,178	42,203SH		X	01
ING GROEP N V	SPONSORED ADR	456837103	224	5,290SH	X		01
ING GROEP N V	SPONSORED ADR	456837103	674	15,927SH		X	01
INGLES MKTS INC	CL A	457030104	1,477	36,173SH	X		01
INGRAM MICRO INC	CL A	457153104	3,648	188,921SH	X		01
INSITUFORM TECHNOLOGIES	CL A	457667103	635	30,556SH	X		01
INSITUFORM TECHNOLOGIES	CL A	457667103	2	100SH		X	01
INPHONIC INC	COM	45772G105	1,289	118,270SH	X		01
INPHONIC INC	COM	45772G105	25	2,320SH		X	01
INTEL CORP	COM	458140100	16,151	844,264SH	X		01
INTEL CORP	COM	458140100	2,642	138,106SH		X	01
INTEGRYS ENERGY GROUP	COM	45822P105	2,236	40,275SH	X		01
INTEGRYS ENERGY GROUP	COM	45822P105	440	7,923SH		X	01
INTERCONTINENTALEXCHNG	COM	45865V100	2,229	18,243SH	X		01
INTERCONTINENTALEXCHNG	COM	45865V100	22	181SH		X	01
INTERNAP NETWORK SVCS	COM PAR \$.001	45885A300	1,966	124,855SH	X		01
INTERNATNL BSNS MACHS	COM	459200101	36,967	392,179SH	X		01
INTERNATNL BSNS MACHS	COM	459200101	4,805	50,977SH		X	01
INTERNATIONAL GAME TECH	COM	459902102	2,492	61,718SH	X		01
INTERNATIONAL GAME TECH	COM	459902102	100	2,487SH		X	01
INTL PAPER CO	COM	460146103	3,194	87,740SH	X		01
INTL PAPER CO	COM	460146103	425	11,667SH		X	01
INTERSIL CORP	CL A	46069S109	3,565	134,581SH	X		01
INTERPUBLIC GROUP COS	COM	460690100	8,354	678,647SH	X		01
INTERPUBLIC GROUP COS	COM	460690100	0	1SH		X	01
INTEROIL CORP	COM	460951106	2,532	95,184SH	X		01
INVERNESS MED INNVTS	COM	46126P106	4,894	111,781SH	X		01
IPASS INC	COM	46261V108	539	107,175SH	X		01
IRELAND BK	SPONSORED ADR	46267Q103	217	2,510SH	X		01
ISHARES INC	MSCI SINGAPORE	464286673	1,164	94,094SH	X		01
ISHARES INC	MSCI JAPAN	464286848	667	45,803SH	X		01
ISHARES TR	LRGE GRW INDX	464287119	1,053	16,216SH	X		01
ISHARES TR	DJ SEL DIV INX	464287168	19,945	279,140SH	X		01
ISHARES TR	DJ SEL DIV INX	464287168	648	9,075SH		X	01
ISHARES TR	US TIPS BD FD	464287176	339	3,360SH	X		01
ISHARES TR	US TIPS BD FD	464287176	10	100SH		X	01
ISHARES TR	FTSE XNHUA IDX	464287184	1,134	11,071SH	X		01
ISHARES TR	FTSE XNHUA IDX	464287184	130	1,266SH		X	01
ISHARES TR	S&P 500 INDEX	464287200	28,027	196,900SH	X		01
ISHARES TR	S&P 500 INDEX	464287200	910	6,395SH		X	01
ISHARES TR	LEHMAN AGG BND	464287226	909	9,064SH	X		01
ISHARES TR	MSCI EMERG MKT	464287234	9,217	79,119SH	X		01
ISHARES TR	MSCI EMERG MKT	464287234	2,564	22,005SH		X	01
ISHARES TR	IBOXX INV CPBD	464287242	4,500	41,950SH	X		01
ISHARES TR	IBOXX INV CPBD	464287242	262	2,440SH		X	01
ISHARES TR	S&P500 GRW	464287309	4,418	68,361SH	X		01
ISHARES TR	S&P500 GRW	464287309	101	1,570SH		X	01
ISHARES TR	S&P 500 VALUE	464287408	3,905	50,327SH	X		01
ISHARES TR	S&P 500 VALUE	464287408	504	6,489SH		X	01
ISHARES TR	7-10 YR TRS BD	464287440	316	3,800SH	X		01
ISHARES TR	1-3 YR TRS BD	464287457	266	3,307SH	X		01
ISHARES TR	MSCI EAFE IDX	464287465	44,305	580,978SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MARSHALL & ILSLEY TRUST CO N.A.  
 SECURITIES AND EXCHANGE COMMISSION FORM 13F  
 ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR OTHR (B)	OTHR (C)	OTHR MGRS
ISHARES TR	MSCI EAFE IDX	464287465	6,075	79,657SH			X	01
ISHARES TR	RUSSELL MCP VL	464287473	5,158	33,674SH	X			01
ISHARES TR	RUSSELL MCP VL	464287473	442	2,886SH			X	01
ISHARES TR	RUSSELL MCP GR	464287481	2,079	19,408SH	X			01
ISHARES TR	RUSSELL MIDCAP	464287499	2,385	22,890SH	X			01
ISHARES TR	S&P MIDCAP 400	464287507	15,088	178,343SH	X			01
ISHARES TR	S&P MIDCAP 400	464287507	2,478	29,293SH			X	01
ISHARES TR	GLDM SCHS NETW	464287531	285	8,905SH	X			01
ISHARES TR	COHEN&ST RLTY	464287564	1,206	11,684SH	X			01
ISHARES TR	RUSSELL1000VAL	464287598	852	10,244SH	X			01
ISHARES TR	S&P MC 400 GRW	464287606	1,365	16,222SH	X			01
ISHARES TR	RUSSELL1000GRW	464287614	1,723	30,963SH	X			01
ISHARES TR	RUSSELL 1000	464287622	731	9,447SH	X			01
ISHARES TR	RUSL 2000 VALU	464287630	6,802	83,999SH	X			01
ISHARES TR	RUSL 2000 VALU	464287630	470	5,800SH			X	01
ISHARES TR	RUSL 2000 GROW	464287648	836	10,436SH	X			01
ISHARES TR	RUSL 2000 GROW	464287648	42	523SH			X	01
ISHARES TR	RUSSELL 2000	464287655	14,179	178,329SH	X			01
ISHARES TR	RUSSELL 2000	464287655	1,372	17,250SH			X	01
ISHARES TR	RUSSELL 3000	464287689	335	4,057SH	X			01
ISHARES TR	S&P MIDCP VALU	464287705	13,943	166,917SH	X			01
ISHARES TR	S&P MIDCP VALU	464287705	4,832	57,852SH			X	01
ISHARES TR	DJ US TELECOMM	464287713	347	11,160SH	X			01
ISHARES TR	DJ US TECH SEC	464287721	2,213	41,011SH	X			01
ISHARES TR	DJ US TECH SEC	464287721	87	1,615SH			X	01
ISHARES TR	DJ US REAL EST	464287739	523	6,140SH	X			01
ISHARES TR	DJ US REAL EST	464287739	341	4,000SH			X	01
ISHARES TR	DJ US INDUSTRIAL	464287754	928	13,887SH	X			01
ISHARES TR	DJ US HEALTHCR	464287762	1,733	25,978SH	X			01
ISHARES TR	DJ US HEALTHCR	464287762	64	960SH			X	01
ISHARES TR	DJ US FINL SVC	464287770	456	3,565SH	X			01
ISHARES TR	DJ US FINL SEC	464287788	258	2,265SH	X			01
ISHARES TR	DJ US ENERGY	464287796	907	8,688SH	X			01
ISHARES TR	S&P SMLCAP 600	464287804	2,822	41,549SH	X			01
ISHARES TR	S&P SMLCAP 600	464287804	1,462	21,530SH			X	01
ISHARES TR	S&P EURO PLUS	464287861	508	4,693SH	X			01
ISHARES TR	S&P SMLCP VALU	464287879	6,462	84,238SH	X			01
ISHARES TR	S&P SMLCP VALU	464287879	703	9,158SH			X	01
ISHARES TR	LARGE VAL INDX	464288109	2,548	30,409SH	X			01
ISHARES TR	MID CORE INDEX	464288208	687	8,057SH	X			01
ISHARES TR	MID GRWTH INDX	464288307	998	11,290SH	X			01
ISHARES TR	MID VAL INDEX	464288406	2,669	29,981SH	X			01
ISHARES TR	MID VAL INDEX	464288406	234	2,625SH			X	01
ISHARES TR	SMLL CORE INDX	464288505	721	8,188SH	X			01
ISHARES TR	SMLL GRWTH INDX	464288604	562	7,338SH	X			01
ISHARES TR	SMLL VAL INDX	464288703	7,493	89,912SH	X			01
ISHARES TR	MSCI VAL IDX	464288877	1,749	23,588SH	X			01
ISHARES TR	MSCI VAL IDX	464288877	22	300SH			X	01
ISHARES TR	MSCI GRW IDX	464288885	277	3,873SH	X			01
ISHARES TR	MSCI GRW IDX	464288885	53	742SH			X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

IVANHOE MINES LTD	COM	46579N103	273	23,762SH			X	01
JA SOLAR HOLDINGS CO	SPON ADR	466090107	1,614	89,214SH			X	01
JP MORGAN CHASE & CO	COM	46625H100	49,372	1,020,500SH			X	01
JP MORGAN CHASE & CO	COM	46625H100	11,541	238,547SH				X 01
JABIL CIRCUIT INC	COM	466313103	3,159	147,570SH			X	01
JABIL CIRCUIT INC	COM	466313103	3	119SH				X 01
JACOBS ENGR GROUP INC	COM	469814107	1,976	42,368SH			X	01
JACOBS ENGR GROUP INC	COM	469814107	40	850SH				X 01
JANUS CAP GROUP INC	COM	47102X105	768	36,736SH			X	01
JANUS CAP GROUP INC	COM	47102X105	6	280SH				X 01
JAPAN EQUITY FD INC	COM	471057109	225	26,484SH			X	01
JAPAN EQUITY FD INC	COM	471057109	4	500SH				X 01
JOHNSON & JOHNSON	COM	478160104	40,754	676,303SH			X	01
JOHNSON & JOHNSON	COM	478160104	6,605	109,614SH				X 01
JOHNSON CTLS INC	COM	478366107	26,479	279,848SH			X	01
JOHNSON CTLS INC	COM	478366107	2,848	30,103SH				X 01
JUNIPER NETWORKS INC	COM	48203R104	5,229	265,704SH			X	01
KKR FINL CORP	COM	482476306	217	7,922SH			X	01
KKR FINL CORP	COM	482476306	27	1,000SH				X 01
KT CORP	SPONSORED ADR	48268K101	63	2,820SH			X	01
KT CORP	SPONSORED ADR	48268K101	706	31,533SH				X 01
K2 INC	COM	482732104	300	24,774SH			X	01
KADANT INC	COM	48282T104	1,270	50,064SH			X	01
KAYNE ANDERSON MLP INVT	COM	486606106	249	7,076SH			X	01
KB HOME	COM	48666K109	206	4,839SH			X	01
KB HOME	COM	48666K109	10	232SH				X 01
KELLOGG CO	COM	487836108	12,174	236,706SH			X	01
KELLOGG CO	COM	487836108	7,223	140,449SH				X 01
KELLWOOD CO	COM	488044108	454	15,489SH			X	01
KENEXA CORP	COM	488879107	1,368	43,946SH			X	01
KEYCORP NEW	COM	493267108	7,171	191,380SH			X	01
KEYCORP NEW	COM	493267108	351	9,367SH				X 01
KEYSPAN CORP	COM	49337W100	425	10,331SH			X	01
KEYSPAN CORP	COM	49337W100	55	1,339SH				X 01
KIMBERLY CLARK CORP	COM	494368103	15,888	231,977SH			X	01
KIMBERLY CLARK CORP	COM	494368103	4,965	72,487SH				X 01
KIMCO REALTY CORP	COM	49446R109	3,126	64,136SH			X	01
KIMCO REALTY CORP	COM	49446R109	145	2,967SH				X 01
KINDER MORGAN INC KANS	COM	49455P101	1,319	12,387SH			X	01
KINDER MORGAN INC KANS	COM	49455P101	1	5SH				X 01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS
KINDER MORGAN ENERGY	UT LTD PARTNER	494550106	354	6,729SH		X		01
KINDER MORGAN ENERGY	UT LTD PARTNER	494550106	491	9,327SH			X	01
KINDRED HEALTHCARE INC	COM	494580103	1,393	42,487SH		X		01
KINROSS GOLD CORP	COM NO PAR	496902404	1,817	131,769SH		X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

KINROSS GOLD CORP	COM NO PAR	496902404	118	8,524SH		X	01
KOHL'S CORP	COM	500255104	20,657	269,636SH	X		01
KOHL'S CORP	COM	500255104	3,096	40,411SH		X	01
KONINKLIJKE AHOLD N V	SPON ADR NEW	500467303	223	19,025SH	X		01
KONINKLIJKE AHOLD N V	SPON ADR NEW	500467303	8	705SH		X	01
KONINKLIJKE PHILIPS	NY REG SH NEW	500472303	589	15,455SH	X		01
KOREA ELECTRIC PWR	SPONSORED ADR	500631106	125	6,240SH	X		01
KOREA ELECTRIC PWR	SPONSORED ADR	500631106	406	20,305SH		X	01
KRAFT FOODS INC	CL A	50075N104	373	11,781SH	X		01
KRAFT FOODS INC	CL A	50075N104	16	521SH		X	01
KROGER CO	COM	501044101	13,194	467,059SH	X		01
KROGER CO	COM	501044101	120	4,249SH		X	01
KULICKE & SOFFA INDS	COM	501242101	251	27,098SH	X		01
KYPHON INC	COM	501577100	2,939	65,100SH	X		01
LSI INDS INC	COM	50216C108	1,684	100,577SH	X		01
LSI LOGIC CORP	COM	502161102	124	11,889SH	X		01
LSI LOGIC CORP	COM	502161102	22	2,145SH		X	01
L-3 COMMUNICATNS HLDGS	COM	502424104	547	6,254SH	X		01
L-3 COMMUNICATNS HLDGS	COM	502424104	47	538SH		X	01
LABORATORY CORP AMER	COM NEW	50540R409	1,310	18,036SH	X		01
LABORATORY CORP AMER	COM NEW	50540R409	155	2,134SH		X	01
LADISH INC	COM NEW	505754200	2,002	53,181SH	X		01
LAM RESEARCH CORP	COM	512807108	3,249	68,626SH	X		01
LAM RESEARCH CORP	COM	512807108	37	780SH		X	01
LANDEC CORP	COM	514766104	2,339	164,967SH	X		01
LAUDER ESTEE COS INC	CL A	518439104	6,751	138,192SH	X		01
LAUDER ESTEE COS INC	CL A	518439104	478	9,794SH		X	01
LEAP WIRELESS INTL INC	COM NEW	521863308	1,995	30,229SH	X		01
LEGGETT & PLATT INC	COM	524660107	1,707	75,286SH	X		01
LEGGETT & PLATT INC	COM	524660107	38	1,680SH		X	01
LEGG MASON INC	COM	524901105	509	5,402SH	X		01
LEGG MASON INC	COM	524901105	490	5,197SH		X	01
LEHMAN BROS HLDGS INC	COM	524908100	10,449	149,116SH	X		01
LEHMAN BROS HLDGS INC	COM	524908100	272	3,886SH		X	01
LENNAR CORP	CL A	526057104	7,980	189,043SH	X		01
LENNAR CORP	CL A	526057104	158	3,750SH		X	01
LIBERTY MEDIA HLDG CORP	INT COM SER A	53071M104	2,176	91,372SH	X		01
LIBERTY MEDIA HLDG CORP	INT COM SER A	53071M104	207	8,684SH		X	01
LIBERTY MEDIA HLDG CORP	CAP COM SER A	53071M302	9,991	90,340SH	X		01
LIBERTY MEDIA HLDG CORP	CAP COM SER A	53071M302	22	202SH		X	01
LIFE TIME FITNESS INC	COM	53217R207	4,495	87,444SH	X		01
LIFECORE BIOMEDICAL INC	COM	532187101	244	13,000SH	X		01
LIHIR GOLD LTD	SPONSORED ADR	532349107	280	10,742SH		X	01
LILLY ELI & CO	COM	532457108	24,134	449,333SH	X		01
LILLY ELI & CO	COM	532457108	15,433	287,331SH		X	01
LIMITED BRANDS INC	COM	532716107	519	19,913SH	X		01
LIMITED BRANDS INC	COM	532716107	53	2,047SH		X	01
LINCOLN NATL CORP IND	COM	534187109	5,361	79,080SH	X		01
LINCOLN NATL CORP IND	COM	534187109	1,918	28,295SH		X	01
LINSAY CORPORATION	COM	535555106	2,413	75,916SH	X		01
LINEAR TECHNOLOGY CORP	COM	535678106	131	4,152SH	X		01
LINEAR TECHNOLOGY CORP	COM	535678106	214	6,776SH		X	01
LIZ CLAIBORNE INC	COM	539320101	2,824	65,906SH	X		01
LIZ CLAIBORNE INC	COM	539320101	10	226SH		X	01
LLOYDS TSB GROUP PLC	SPONSORED ADR	539439109	219	4,915SH	X		01
LLOYDS TSB GROUP PLC	SPONSORED ADR	539439109	16	355SH		X	01
LOCKHEED MARTIN CORP	COM	539830109	25,073	258,431SH	X		01
LOCKHEED MARTIN CORP	COM	539830109	1,629	16,791SH		X	01
LOEWS CORP	COM	540424108	755	16,615SH	X		01
LOEWS CORP	COM	540424108	172	3,794SH		X	01
LONGVIEW FIBRE CO	COM	543213102	794	32,257SH	X		01
LOUISIANA PAC CORP	COM	546347105	849	42,318SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

LOWES COS INC	COM	548661107	4,537	144,093SH	X			01
LOWES COS INC	COM	548661107	954	30,298SH			X	01
LYONDELL CHEMICAL CO	COM	552078107	1,557	51,945SH	X			01
MAF BANCORP INC	COM	55261R108	318	7,684SH	X			01
MAF BANCORP INC	COM	55261R108	59	1,422SH			X	01
MBIA INC	COM	55262C100	805	12,299SH	X			01
MBIA INC	COM	55262C100	363	5,538SH			X	01
MDU RES GROUP INC	COM	552690109	4,123	143,460SH	X			01
MDU RES GROUP INC	COM	552690109	361	12,564SH			X	01
MEMC ELECTR MATLS INC	COM	552715104	4,611	76,119SH	X			01
MEMC ELECTR MATLS INC	COM	552715104	116	1,919SH			X	01
MGE ENERGY INC	COM	55277P104	2,035	57,397SH	X			01
MGE ENERGY INC	COM	55277P104	133	3,760SH			X	01
MGIC INVT CORP WIS	COM	552848103	12,421	210,815SH	X			01
MGIC INVT CORP WIS	COM	552848103	302	5,134SH			X	01
MGM MIRAGE	COM	552953101	647	9,310SH	X			01
MGM MIRAGE	COM	552953101	216	3,112SH			X	01
MSC SOFTWARE CORP	COM	553531104	245	17,800SH	X			01
MWI VETERINARY SUPPLY	COM	55402X105	1,713	51,902SH	X			01
MWI VETERINARY SUPPLY	COM	55402X105	8	242SH			X	01
MADISON/CLAYMORE CVRD	COM	556582104	204	13,400SH	X			01
MAGNA INTL INC	CL A	559222401	108	1,440SH	X			01
MAGNA INTL INC	CL A	559222401	414	5,510SH			X	01
MANITOWOC INC	COM	563571108	4,802	75,588SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION		
						SHR (B)	OTHR (C)	OTHR MGRS
MANITOWOC INC	COM	563571108	17	275SH			X	01
MANOR CARE INC NEW	COM	564055101	2,993	55,059SH	X			01
MANOR CARE INC NEW	COM	564055101	22	397SH			X	01
MANPOWER INC	COM	56418H100	9,161	124,178SH	X			01
MANPOWER INC	COM	56418H100	156	2,115SH			X	01
MANULIFE FINL CORP	COM	56501R106	576	16,714SH	X			01
MANULIFE FINL CORP	COM	56501R106	26	758SH			X	01
MARATHON OIL CORP	COM	565849106	10,696	108,223SH	X			01
MARATHON OIL CORP	COM	565849106	345	3,489SH			X	01
MARCUS CORP	COM	566330106	91	3,919SH	X			01
MARCUS CORP	COM	566330106	480	20,650SH			X	01
MARSH & MCLENNAN COS	COM	571748102	844	28,801SH	X			01
MARSH & MCLENNAN COS	COM	571748102	245	8,375SH			X	01
MARSHALL & ILSLEY CORP	COM	571834100	194,492	4,199,783SH	X			01
MARSHALL & ILSLEY CORP	COM	571834100	81,795	1,766,251SH			X	01
MARRIOTT INTL INC NEW	CL A	571903202	262	5,355SH	X			01
MARRIOTT INTL INC NEW	CL A	571903202	3	56SH			X	01
MASCO CORP	COM	574599106	4,321	157,704SH	X			01
MASCO CORP	COM	574599106	73	2,668SH			X	01
MASTERCARD INC	CL A	57636Q104	1,609	15,149SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MATTEL INC	COM	577081102	1,746	63,346SH	X		01
MATTEL INC	COM	577081102	178	6,468SH		X	01
MAXIMUS INC	COM	577933104	447	12,970SH	X		01
MCCORMICK & CO INC	COM NON VTG	579780206	643	16,699SH	X		01
MCCORMICK & CO INC	COM NON VTG	579780206	21	541SH		X	01
MCDONALDS CORP	COM	580135101	11,809	262,120SH	X		01
MCDONALDS CORP	COM	580135101	2,088	46,358SH		X	01
MCGRAW HILL COS INC	COM	580645109	5,257	83,598SH	X		01
MCGRAW HILL COS INC	COM	580645109	624	9,930SH		X	01
MCKESSON CORP	COM	58155Q103	855	14,605SH	X		01
MCKESSON CORP	COM	58155Q103	1	15SH		X	01
MEADWESTVACO CORP	COM	583334107	11,508	373,148SH	X		01
MEADWESTVACO CORP	COM	583334107	343	11,106SH		X	01
MEDCATH CORP	COM	58404W109	1,536	56,254SH	X		01
MEDCO HEALTH SOLUTIONS	COM	58405U102	3,805	52,462SH	X		01
MEDCO HEALTH SOLUTIONS	COM	58405U102	222	3,061SH		X	01
MEDICIS PHARMACEUTICAL	CL A NEW	584690309	1,850	60,024SH	X		01
MEDICIS PHARMACEUTICAL	CL A NEW	584690309	11	346SH		X	01
MEDIMMUNE INC	COM	584699102	11,213	308,121SH	X		01
MEDIMMUNE INC	COM	584699102	1,138	31,282SH		X	01
MEDTRONIC INC	COM	585055106	15,179	309,405SH	X		01
MEDTRONIC INC	COM	585055106	1,547	31,524SH		X	01
MELLON FINL CORP	COM	58551A108	1,593	36,928SH	X		01
MELLON FINL CORP	COM	58551A108	116	2,696SH		X	01
MERCK & CO INC	COM	589331107	14,329	324,411SH	X		01
MERCK & CO INC	COM	589331107	3,373	76,357SH		X	01
MEREDITH CORP	COM	589433101	720	12,539SH	X		01
MEREDITH CORP	COM	589433101	20	344SH		X	01
MERRILL LYNCH & CO INC	COM	590188108	15,971	195,556SH	X		01
MERRILL LYNCH & CO INC	COM	590188108	190	2,327SH		X	01
METLIFE INC	COM	59156R108	1,589	25,160SH	X		01
METLIFE INC	COM	59156R108	53	847SH		X	01
MICROSOFT CORP	COM	594918104	53,911	1,934,359SH	X		01
MICROSOFT CORP	COM	594918104	8,276	296,956SH		X	01
MICROCHIP TECHNOLOGY	COM	595017104	463	13,032SH	X		01
MICROCHIP TECHNOLOGY	COM	595017104	4	112SH		X	01
MIDCAP SPDR TR	UNIT SER 1	595635103	7,863	50,867SH	X		01
MIDCAP SPDR TR	UNIT SER 1	595635103	734	4,750SH		X	01
MIDDLEBY CORP	COM	596278101	3,190	24,198SH	X		01
MIDDLEBY CORP	COM	596278101	19	141SH		X	01
MILLIPORE CORP	COM	601073109	364	5,028SH	X		01
MILLIPORE CORP	COM	601073109	1	11SH		X	01
MINIBUS FINL GRP	SPONSORED ADR	606822104	177	15,760SH	X		01
MINIBUS FINL GRP	SPONSORED ADR	606822104	5	480SH		X	01
MODINE MFG CO	COM	607828100	1,997	87,209SH	X		01
MODINE MFG CO	COM	607828100	472	20,600SH		X	01
MOHAWK INDS INC	COM	608190104	9,311	113,476SH	X		01
MOLSON COORS BREWING CO	CL B	60871R209	3,852	40,709SH	X		01
MOLSON COORS BREWING CO	CL B	60871R209	30	315SH		X	01
MONSANTO CO NEW	COM	61166W101	3,309	60,207SH	X		01
MONSANTO CO NEW	COM	61166W101	585	10,653SH		X	01
MOODYS CORP	COM	615369105	1,101	17,746SH	X		01
MOODYS CORP	COM	615369105	212	3,422SH		X	01
MOOG INC	CL A	615394202	3,030	72,749SH	X		01
MORGAN STANLEY	COM NEW	617446448	23,686	300,735SH	X		01
MORGAN STANLEY	COM NEW	617446448	2,096	26,611SH		X	01
MORGANS HOTEL GROUP CO	COM	61748W108	1,849	88,008SH	X		01
MOTOROLA INC	COM	620076109	7,803	441,587SH	X		01
MOTOROLA INC	COM	620076109	466	26,400SH		X	01
MURPHY OIL CORP	COM	626717102	10,209	191,181SH	X		01
MURPHY OIL CORP	COM	626717102	378	7,080SH		X	01
MYLAN LABS INC	COM	628530107	1,527	72,254SH	X		01



Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

MYLAN LABS INC	COM	628530107	66	3,132SH			X	01
NCR CORP NEW	COM	62886E108	466	9,762SH	X			01
NCR CORP NEW	COM	62886E108	8	162SH			X	01
NII HLDGS INC	CL B NEW	62913F201	2,428	32,733SH	X			01
NASDAQ 100 TR	UNIT SER 1	631100104	1,025	23,549SH	X			01
NASDAQ 100 TR	UNIT SER 1	631100104	232	5,337SH			X	01
NATIONAL CINEMEDIA INC	COM	635309107	3,851	144,244SH	X			01
NATIONAL CITY CORP	COM	635405103	12,709	341,174SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS
NATIONAL CITY CORP	COM	635405103	469	12,604SH			X	01
NATIONAL FUEL GAS CO	COM	636180101	570	13,169SH	X			01
NATIONAL FUEL GAS CO	COM	636180101	76	1,764SH			X	01
NATIONAL OILWELL VARCO	COM	637071101	1,805	23,200SH	X			01
NATIONAL OILWELL VARCO	COM	637071101	82	1,055SH			X	01
NATIONAL SEMICONDUCTOR	COM	637640103	525	21,734SH	X			01
NATIONAL SEMICONDUCTOR	COM	637640103	65	2,712SH			X	01
NATUS MEDICAL INC DEL	COM	639050103	2,259	127,126SH	X			01
NAVTEQ CORP	COM	63936L100	837	24,251SH	X			01
NAVTEQ CORP	COM	63936L100	45	1,304SH			X	01
NETWORK APPLIANCE INC	COM	64120L104	2,695	73,795SH	X			01
NETWORK APPLIANCE INC	COM	64120L104	13	344SH			X	01
NEW RIV PHARMACEUTICALS	COM	648468205	2,019	31,734SH	X			01
NEW YORK TIMES CO	CL A	650111107	1,453	61,813SH	X			01
NEW YORK TIMES CO	CL A	650111107	35	1,485SH			X	01
NEWALLIANCE BANCSHARES	COM	650203102	166	10,229SH	X			01
NEWELL RUBBERMAID INC	COM	651229106	8,305	267,116SH	X			01
NEWELL RUBBERMAID INC	COM	651229106	366	11,771SH			X	01
NEWFIELD EXPL CO	COM	651290108	6,583	157,829SH	X			01
NEWMONT MINING CORP	COM	651639106	689	16,404SH	X			01
NEWMONT MINING CORP	COM	651639106	107	2,541SH			X	01
NEWS CORP	CL A	65248E104	4,347	188,037SH	X			01
NEWS CORP	CL A	65248E104	269	11,653SH			X	01
NEXCEN BRANDS INC	COM	653351106	3,134	315,914SH	X			01
NICHOLS-APPLEGATE CONV	COM	65370F101	339	21,000SH	X			01
NICOR INC	COM	654086107	2,121	43,795SH	X			01
NICOR INC	COM	654086107	73	1,506SH			X	01
NIKE INC	CL B	654106103	7,215	67,898SH	X			01
NIKE INC	CL B	654106103	343	3,230SH			X	01
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	206	7,813SH	X			01
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	691	26,151SH			X	01
NISOURCE INC	COM	65473P105	1,875	76,723SH	X			01
NISOURCE INC	COM	65473P105	191	7,808SH			X	01
NOKIA CORP	SPONSORED ADR	654902204	1,710	74,615SH	X			01
NOKIA CORP	SPONSORED ADR	654902204	1,431	62,455SH			X	01
NOBLE ENERGY INC	COM	655044105	13,819	231,674SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

NOBLE ENERGY INC	COM	655044105	133	2,229SH		X	01
NORDSTROM INC	COM	655664100	1,703	32,164SH	X		01
NORDSTROM INC	COM	655664100	150	2,835SH		X	01
NORFOLK SOUTHERN CORP	COM	655844108	5,033	99,475SH	X		01
NORFOLK SOUTHERN CORP	COM	655844108	60	1,188SH		X	01
NORTH EUROPEAN OIL RTY	SH BEN INT	659310106	235	6,300SH	X		01
NORTHERN TR CORP	COM	665859104	8,529	141,816SH	X		01
NORTHERN TR CORP	COM	665859104	906	15,065SH		X	01
NORTHROP GRUMMAN CORP	COM	666807102	5,016	67,586SH	X		01
NORTHROP GRUMMAN CORP	COM	666807102	358	4,820SH		X	01
NOVARTIS A G	SPONSORED ADR	66987V109	1,449	26,525SH	X		01
NOVARTIS A G	SPONSORED ADR	66987V109	427	7,822SH		X	01
NOVAVAX INC	COM	670002104	275	106,160SH	X		01
NOVELL INC	COM	670006105	352	48,768SH	X		01
NOVELL INC	COM	670006105	4	570SH		X	01
NOVELLUS SYS INC	COM	670008101	3,648	113,915SH	X		01
NOVELLUS SYS INC	COM	670008101	0	5SH		X	01
NUANCE COMMUNICATIONS	COM	67020Y100	162	10,579SH	X		01
NUANCE COMMUNICATIONS	COM	67020Y100	42	2,724SH		X	01
NUCOR CORP	COM	670346105	8,114	124,585SH	X		01
NUCOR CORP	COM	670346105	102	1,569SH		X	01
NVIDIA CORP	COM	67066G104	1,726	59,986SH	X		01
NVIDIA CORP	COM	67066G104	194	6,746SH		X	01
NUVASIVE INC	COM	670704105	2,419	101,855SH	X		01
NUVEEN QLTZ PFD INC FD	COM	67071S101	195	13,824SH	X		01
NXSTAGE MEDICAL INC	COM	67072V103	796	59,769SH	X		01
OGE ENERGY CORP	COM	670837103	3,120	80,424SH	X		01
OGE ENERGY CORP	COM	670837103	118	3,035SH		X	01
NUVEEN INVTS INC	CL A	67090F106	2,662	56,274SH	X		01
OSI SYSTEMS INC	COM	671044105	2,133	80,667SH	X		01
OCCIDENTAL PETE CORP	COM	674599105	5,366	108,812SH	X		01
OCCIDENTAL PETE CORP	COM	674599105	674	13,674SH		X	01
OCEANEERING INTL INC	COM	675232102	38	913SH	X		01
OCEANEERING INTL INC	COM	675232102	224	5,329SH		X	01
ODYSSEY MARINE EXPLRTN	COM	676118102	110	30,140SH	X		01
OFFICEMAX INC DEL	COM	67622P101	610	11,558SH	X		01
OFFICEMAX INC DEL	COM	67622P101	5	100SH		X	01
OFFICE DEPOT INC	COM	676220106	317	9,016SH	X		01
OFFICE DEPOT INC	COM	676220106	8	238SH		X	01
OLD REP INTL CORP	COM	680223104	1,652	74,675SH	X		01
OLD REP INTL CORP	COM	680223104	8,365	378,187SH		X	01
OMNICARE INC	COM	681904108	10,245	257,603SH	X		01
OMNICOM GROUP INC	COM	681919106	1,001	9,782SH	X		01
OMNICOM GROUP INC	COM	681919106	12	122SH		X	01
ON ASSIGNMENT INC	COM	682159108	1,900	153,142SH	X		01
ONEOK INC NEW	COM	682680103	3,076	68,361SH	X		01
ORACLE CORP	COM	68389X105	11,214	618,515SH	X		01
ORACLE CORP	COM	68389X105	957	52,789SH		X	01
OSHKOSH TRUCK CORP	COM	688239201	686	12,934SH	X		01
OSHKOSH TRUCK CORP	COM	688239201	2,587	48,810SH		X	01
PG&E CORP	COM	69331C108	6,343	131,412SH	X		01
PG&E CORP	COM	69331C108	116	2,404SH		X	01
PICO HLDGS INC	COM NEW	693366205	1,250	29,267SH	X		01
PNC FINL SVCS GROUP INC	COM	693475105	4,663	64,788SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ASSETS AS OF 03/31/2007

----- COLUMN 1 ----- COLUMN 2 ----- COLUMN 3 ----- COLUMN 4 ----- COLUMN 5 ----- COLUMN 6 ----- COLUMN 7 -----									
NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
PNC FINL SVCS GROUP INC	COM	693475105	601	8,356SH				X	01
PNM RES INC	COM	69349H107	210	6,515SH	X				01
PPG INDS INC	COM	693506107	3,199	45,500SH	X				01
PPG INDS INC	COM	693506107	375	5,339SH			X		01
PPL CORP	COM	69351T106	14,617	357,392SH	X				01
PPL CORP	COM	69351T106	17	410SH			X		01
PACCAR INC	COM	693718108	854	11,633SH	X				01
PACCAR INC	COM	693718108	84	1,140SH			X		01
PACER INTL INC TENN	COM	69373H106	205	7,600SH	X				01
PACKAGING CORP AMER	COM	695156109	9,021	369,717SH	X				01
PACTIV CORP	COM	695257105	179	5,317SH	X				01
PACTIV CORP	COM	695257105	61	1,814SH			X		01
PARALLEL PETE CORP DEL	COM	699157103	3,461	150,816SH	X				01
PARAMETRIC TECHNOLOGY	COM NEW	699173209	1,296	68,225SH	X				01
PAREXEL INTL CORP	COM	699462107	2,034	56,543SH	X				01
PARKER HANNIFIN CORP	COM	701094104	3,936	45,603SH	X				01
PARKER HANNIFIN CORP	COM	701094104	304	3,520SH			X		01
PATTERSON COMPANIES INC	COM	703395103	207	5,836SH	X				01
PAXAR CORP	COM	704227107	339	11,822SH	X				01
PAYCHEX INC	COM	704326107	647	17,090SH	X				01
PAYCHEX INC	COM	704326107	101	2,679SH			X		01
PEABODY ENERGY CORP	COM	704549104	328	8,150SH	X				01
PEABODY ENERGY CORP	COM	704549104	132	3,283SH			X		01
PENGROWTH ENERGY TR	TR UNIT NEW	706902509	515	30,505SH	X				01
PENGROWTH ENERGY TR	TR UNIT NEW	706902509	17	1,000SH			X		01
PENN VA CORP	COM	707882106	25	343SH	X				01
PENN VA CORP	COM	707882106	313	4,268SH			X		01
PENNEY J C INC	COM	708160106	15,906	193,593SH	X				01
PENNEY J C INC	COM	708160106	2,551	31,054SH			X		01
PEPSI BOTTLING GROUP	COM	713409100	343	10,767SH	X				01
PEPSI BOTTLING GROUP	COM	713409100	7	218SH			X		01
PEPSICO INC	COM	713448108	27,393	430,981SH	X				01
PEPSICO INC	COM	713448108	6,365	100,137SH			X		01
PERFICIENT INC	COM	71375U101	1,699	85,903SH	X				01
PERKINELMER INC	COM	714046109	531	21,927SH	X				01
PERKINELMER INC	COM	714046109	13	531SH			X		01
PEROT SYS CORP	CL A	714265105	376	21,049SH	X				01
PERRIGO CO	COM	714290103	264	14,929SH	X				01
PERRIGO CO	COM	714290103	30	1,700SH			X		01
PETROHAWK ENERGY CORP	COM	716495106	125	9,519SH	X				01
PETROHAWK ENERGY CORP	COM	716495106	35	2,650SH			X		01
PETROLEUM DEV CORP	COM	716578109	1,930	36,025SH	X				01
PFIZER INC	COM	717081103	46,693	1,848,510SH	X				01
PFIZER INC	COM	717081103	6,673	264,159SH			X		01
PHASE FORWARD INC	COM	71721R406	1,402	106,808SH	X				01
PHILADELPHIA CONS HLDG	COM	717528103	2,067	46,989SH	X				01
PHILADELPHIA CONS HLDG	COM	717528103	56	1,274SH			X		01
PILGRIMS PRIDE CORP	COM	721467108	9,421	283,845SH	X				01
PINNACLE WEST CAP CORP	COM	723484101	4,563	94,565SH	X				01
PINNACLE WEST CAP CORP	COM	723484101	101	2,102SH			X		01
PITNEY BOWES INC	COM	724479100	4,836	106,548SH	X				01
PITNEY BOWES INC	COM	724479100	217	4,779SH			X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

PLAINS ALL AMERN PIPELN	UNIT LTD PARTN	726503105	370	6,417SH	X				01
PLUM CREEK TIMBER CO	COM	729251108	9,486	240,627SH	X				01
PLUM CREEK TIMBER CO	COM	729251108	1,102	27,959SH			X		01
POLO RALPH LAUREN CORP	CL A	731572103	2,007	22,764SH	X				01
POLO RALPH LAUREN CORP	CL A	731572103	0	5SH			X		01
POWELL INDS INC	COM	739128106	893	27,900SH			X		01
POWERSHARES ETF TRUST	PRVT EQTY PORT	73935X195	247	9,180SH	X				01
POWERSHARES ETF TRUST	HI YLD EQ DVDN	73935X302	555	35,060SH	X				01
POWERSHARES ETF TRUST	WNRHLL CLN EN	73935X500	236	12,500SH	X				01
POWERSHARES ETF TRUST	FTSE US1500 SM	73935X567	228	4,087SH	X				01
POWERSHARES ETF TRUST	WATER RESOURCE	73935X575	377	20,150SH	X				01
POWERSHARES ETF TRUST	WATER RESOURCE	73935X575	19	1,000SH			X		01
POWERSHARES ETF TRUST	FTSE RAFI 1000	73935X583	3,516	59,773SH	X				01
POWERSHARES ETF TRUST	FTSE RAFI 1000	73935X583	41	700SH			X		01
POWERSHARES ETF TRUST	DYN BIOT & GEN	73935X856	180	10,000SH	X				01
PRAXAIR INC	COM	74005P104	5,442	86,442SH	X				01
PRAXAIR INC	COM	74005P104	702	11,148SH			X		01
PRECISION CASTPARTS	COM	740189105	5,818	55,912SH	X				01
PRECISION CASTPARTS	COM	740189105	66	638SH			X		01
PRICE T ROWE GROUP INC	COM	74144T108	2,391	50,664SH	X				01
PRICE T ROWE GROUP INC	COM	74144T108	232	4,922SH			X		01
PRICELINE COM INC	COM NEW	741503403	6,345	119,135SH	X				01
PRINCIPAL FINANCIAL GRP	COM	74251V102	1,035	17,292SH	X				01
PRINCIPAL FINANCIAL GRP	COM	74251V102	140	2,332SH			X		01
PROASSURANCE CORP	COM	74267C106	222	4,345SH	X				01
PROASSURANCE CORP	COM	74267C106	24	470SH			X		01
PROCTER & GAMBLE CO	COM	742718109	50,376	797,596SH	X				01
PROCTER & GAMBLE CO	COM	742718109	10,706	169,510SH			X		01
PROGRESS ENERGY INC	COM	743263105	24,979	495,228SH	X				01
PROGRESS ENERGY INC	COM	743263105	318	6,299SH			X		01
PROGRESSIVE CORP OHIO	COM	743315103	6,906	316,492SH	X				01
PROGRESSIVE CORP OHIO	COM	743315103	381	17,446SH			X		01
PROLIANCE INTL INC	COM	74340R104	284	75,073SH	X				01
PROLOGIS	SH BEN INT	743410102	5,813	89,533SH	X				01
PROLOGIS	SH BEN INT	743410102	48	739SH			X		01
PROTECTIVE LIFE CORP	COM	743674103	11,552	262,307SH	X				01
PRUDENTIAL FINL INC	COM	744320102	2,525	27,972SH	X				01
PRUDENTIAL FINL INC	COM	744320102	45	500SH			X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION				
					SH/PUT/SOLE CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
PSYCHIATRIC SOLUTIONS	COM	74439H108	6,095	151,208SH	X				01
PSYCHIATRIC SOLUTIONS	COM	74439H108	37	928SH			X		01
PUBLIC SVC ENTERPRISE	COM	744573106	750	9,027SH	X				01
PUBLIC SVC ENTERPRISE	COM	744573106	139	1,676SH			X		01
PUBLIC STORAGE INC	COM	74460D109	463	4,887SH	X				01
PUBLIC STORAGE INC	COM	74460D109	85	896SH			X		01

## Edgar Filing: MARSHALL &amp; ILSLEY CORP/WI/ - Form 13F-HR

PULTE HOMES INC	COM	745867101	269	10,175SH	X		01
PULTE HOMES INC	COM	745867101	6	228SH		X	01
QUALCOMM INC	COM	747525103	12,071	282,950SH	X		01
QUALCOMM INC	COM	747525103	1,463	34,292SH		X	01
Q MED	COM	747914109	65	14,640SH	X		01
QUEST DIAGNOSTICS INC	COM	74834L100	212	4,252SH	X		01
QUEST DIAGNOSTICS INC	COM	74834L100	40	807SH		X	01
QUESTAR CORP	COM	748356102	228	2,553SH	X		01
QUESTAR CORP	COM	748356102	71	800SH		X	01
QWEST COMMUNICATIONS	COM	749121109	481	53,469SH	X		01
QWEST COMMUNICATIONS	COM	749121109	115	12,832SH		X	01
RPM INTL INC	COM	749685103	42	1,808SH	X		01
RPM INTL INC	COM	749685103	260	11,250SH		X	01
RADIAN GROUP INC	COM	750236101	587	10,704SH	X		01
RADIAN GROUP INC	COM	750236101	61	1,117SH		X	01
RANGE RES CORP	COM	75281A109	1,246	37,300SH	X		01
RAYONIER INC	COM	754907103	79	1,832SH	X		01
RAYONIER INC	COM	754907103	430	10,000SH		X	01
RAYTHEON CO	COM NEW	755111507	1,541	29,380SH	X		01
RAYTHEON CO	COM NEW	755111507	271	5,170SH		X	01
REGAL BELOIT CORP	COM	758750103	24,423	526,583SH	X		01
REGAL BELOIT CORP	COM	758750103	382	8,246SH		X	01
REGIONS FINANCIAL CORP	COM	7591EP100	10,687	302,136SH	X		01
REGIONS FINANCIAL CORP	COM	7591EP100	330	9,316SH		X	01
REHABCARE GROUP INC	COM	759148109	505	31,850SH	X		01
RENT A CTR INC NEW	COM	76009N100	3,342	119,443SH	X		01
RENT A CTR INC NEW	COM	76009N100	28	1,000SH		X	01
REPUBLIC SVCS INC	COM	760759100	9,168	329,539SH	X		01
REPUBLIC SVCS INC	COM	760759100	116	4,155SH		X	01
RESMED INC	COM	761152107	1,575	31,259SH	X		01
RESMED INC	COM	761152107	129	2,558SH		X	01
RETAIL HOLDERS TR	DEP RCPT	76127U101	424	4,200SH	X		01
REYNOLDS AMERICAN INC	COM	761713106	6,666	106,811SH	X		01
REYNOLDS AMERICAN INC	COM	761713106	156	2,503SH		X	01
RIO TINTO PLC	SPONSORED ADR	767204100	214	939SH	X		01
RIO TINTO PLC	SPONSORED ADR	767204100	860	3,773SH		X	01
RITE AID CORP	COM	767754104	70	12,164SH	X		01
RITE AID CORP	COM	767754104	4	740SH		X	01
ROBERT HALF INTL INC	COM	770323103	414	11,184SH	X		01
ROBERT HALF INTL INC	COM	770323103	3	71SH		X	01
ROCKWELL AUTOMATION INC	COM	773903109	1,925	32,152SH	X		01
ROCKWELL AUTOMATION INC	COM	773903109	397	6,639SH		X	01
ROCKWELL COLLINS INC	COM	774341101	4,844	72,371SH	X		01
ROCKWELL COLLINS INC	COM	774341101	402	5,999SH		X	01
ROGERS CORP	COM	775133101	274	6,185SH	X		01
ROPER INDS INC NEW	COM	776696106	2,320	42,270SH	X		01
ROSS STORES INC	COM	778296103	11,277	327,832SH	X		01
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	555	8,326SH	X		01
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	677	10,161SH		X	01
ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	6,235	94,046SH	X		01
ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	2,123	32,027SH		X	01
RUBY TUESDAY INC	COM	781182100	187	6,540SH	X		01
RUBY TUESDAY INC	COM	781182100	30	1,050SH		X	01
RYDER SYS INC	COM	783549108	372	7,532SH	X		01
RYDER SYS INC	COM	783549108	10	200SH		X	01
RYDEX ETF TRUST	S&P 500 EQ TRD	78355W106	760	15,654SH	X		01
RYDEX ETF TRUST	S&P 500 EQ TRD	78355W106	125	2,584SH		X	01
SBA COMMUNICATIONS CORP	COM	78388J106	2,376	80,417SH	X		01
SBA COMMUNICATIONS CORP	COM	78388J106	59	2,000SH		X	01
SEI INVESTMENTS CO	COM	784117103	293	4,858SH	X		01
SEI INVESTMENTS CO	COM	784117103	72	1,200SH		X	01
SK TELECOM LTD	SPONSORED ADR	78440P108	155	6,615SH	X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

SK TELECOM LTD	SPONSORED ADR	78440P108	54	2,291SH		X	01
SLM CORP	COM	78442P106	229	5,597SH	X		01
SLM CORP	COM	78442P106	5	113SH		X	01
SPDR TR	UNIT SER 1	78462F103	30,917	217,725SH	X		01
SPDR TR	UNIT SER 1	78462F103	3,270	23,028SH		X	01
SPSS INC	COM	78462K102	1,397	38,707SH	X		01
SPX CORP	COM	784635104	263	3,746SH	X		01
SABRE HLDGS CORP	CL A	785905100	434	13,243SH	X		01
SABRE HLDGS CORP	CL A	785905100	4	125SH		X	01
SAFECO CORP	COM	786429100	546	8,225SH	X		01
SAFECO CORP	COM	786429100	7	109SH		X	01
SAFEWAY INC	COM NEW	786514208	438	11,954SH	X		01
SAFEWAY INC	COM NEW	786514208	18	500SH		X	01
ST JUDE MED INC	COM	790849103	403	10,709SH	X		01
ST JUDE MED INC	COM	790849103	104	2,777SH		X	01
ST MARY LD & EXPL CO	COM	792228108	6,765	184,426SH	X		01
SAKS INC	COM	79377W108	320	15,336SH	X		01
SANDISK CORP	COM	80004C101	1,177	26,879SH	X		01
SANDISK CORP	COM	80004C101	0	10SH		X	01
SANMINA SCI CORP	COM	800907107	47	13,083SH	X		01
SANOFI AVENTIS	SPONSORED ADR	80105N105	1,813	41,660SH	X		01
SANOFI AVENTIS	SPONSORED ADR	80105N105	189	4,355SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			
					SH/PUT/SOLE PRN CALL (A)	SHR OTHER (B)	OTHER (C)	OTHER MGRS
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	509	11,410SH	X			01
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	340	7,615SH			X	01
SARA LEE CORP	COM	803111103	4,093	241,897SH	X			01
SARA LEE CORP	COM	803111103	357	21,116SH			X	01
SATYAM COMPUTER SRVCS	ADR	804098101	1,289	56,803SH	X			01
SATYAM COMPUTER SRVCS	ADR	804098101	507	22,350SH			X	01
SAVVIS INC	COM NEW	805423308	2,714	56,681SH	X			01
SCANA CORP NEW	COM	80589M102	271	6,267SH	X			01
SCANA CORP NEW	COM	80589M102	39	895SH			X	01
SCHEIN HENRY INC	COM	806407102	189	3,433SH	X			01
SCHEIN HENRY INC	COM	806407102	22	400SH			X	01
SCHERING PLOUGH CORP	COM	806605101	3,169	124,235SH	X			01
SCHERING PLOUGH CORP	COM	806605101	202	7,912SH			X	01
SCHLUMBERGER LTD	COM	806857108	8,120	117,517SH	X			01
SCHLUMBERGER LTD	COM	806857108	2,435	35,240SH			X	01
SCHWAB CHARLES CORP	COM	808513105	1,002	54,799SH	X			01
SCHWAB CHARLES CORP	COM	808513105	44	2,430SH			X	01
SCIELE PHARMA INC	COM	808627103	215	9,093SH	X			01
SCIELE PHARMA INC	COM	808627103	35	1,459SH			X	01
SCOTTISH PWR PLC	SP ADR FNL NEW	81013T804	226	3,599SH	X			01
SCOTTISH PWR PLC	SP ADR FNL NEW	81013T804	17	264SH			X	01
SEALED AIR CORP NEW	COM	81211K100	8,791	278,203SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

SEALED AIR CORP NEW	COM	81211K100	146	4,620SH		X	01
SEARS HLDGS CORP	COM	812350106	7,416	41,165SH	X		01
SEARS HLDGS CORP	COM	812350106	32	180SH		X	01
SELECT SECTOR SPDR TR	SBI HEALTHCARE	81369Y209	303	9,007SH	X		01
SELECT SECTOR SPDR TR	SBI HEALTHCARE	81369Y209	8	240SH		X	01
SELECT SECTOR SPDR TR	SBI CONS STPLS	81369Y308	515	19,321SH	X		01
SELECT SECTOR SPDR TR	SBI INT-FINL	81369Y605	346	9,703SH	X		01
SELECT SECTOR SPDR TR	SBI INT-TECH	81369Y803	375	16,071SH	X		01
SELECT SECTOR SPDR TR	SBI INT-TECH	81369Y803	137	5,892SH		X	01
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	226	5,698SH	X		01
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	58	1,461SH		X	01
SEMPRA ENERGY	COM	816851109	547	8,965SH	X		01
SEMPRA ENERGY	COM	816851109	114	1,876SH		X	01
SENSIENT TECHNOLOGIES	COM	81725T100	560	21,723SH	X		01
SENSIENT TECHNOLOGIES	COM	81725T100	171	6,650SH		X	01
SEPRACOR INC	COM	817315104	2,328	49,935SH	X		01
SERVICEMASTER CO	COM	81760N109	154	10,014SH	X		01
SERVICEMASTER CO	COM	81760N109	44	2,845SH		X	01
SHERWIN WILLIAMS CO	COM	824348106	6,949	105,224SH	X		01
SHERWIN WILLIAMS CO	COM	824348106	64	963SH		X	01
SHIRE PLC	SPONSORED ADR	82481R106	2,026	32,723SH	X		01
SIEMENS A G	SPONSORED ADR	826197501	286	2,667SH	X		01
SIEMENS A G	SPONSORED ADR	826197501	529	4,934SH		X	01
SIGMA ALDRICH CORP	COM	826552101	1,902	45,817SH	X		01
SIGMA ALDRICH CORP	COM	826552101	127	3,054SH		X	01
SILICON MOTION TECHN LGY	SPONSORED ADR	82706C108	2,410	106,994SH	X		01
SIMON PPTY GROUP INC	COM	828806109	7,143	64,206SH	X		01
SIMON PPTY GROUP INC	COM	828806109	1,390	12,492SH		X	01
SINCLAIR BROADCAST GRP	CL A	829226109	205	13,250SH	X		01
SIRIUS SATELLITE RADIO	COM	82966U103	33	10,400SH	X		01
SIRIUS SATELLITE RADIO	COM	82966U103	13	4,000SH		X	01
SKYWORKS SOLUTIONS INC	COM	83088M102	85	14,758SH	X		01
SMITH & NEPHEW PLC	SPDN ADR NEW	83175M205	204	3,210SH	X		01
SMITH & WESSON HLDG	COM	831756101	2,783	212,640SH	X		01
SMITH A O	COM	831865209	155	4,045SH	X		01
SMITH A O	COM	831865209	248	6,500SH		X	01
SMITH INTL INC	COM	832110100	300	6,244SH	X		01
SMITHFIELD FOODS INC	COM	832248108	538	17,974SH	X		01
SMUCKER J M CO	COM NEW	832696405	107	2,002SH	X		01
SMUCKER J M CO	COM NEW	832696405	366	6,870SH		X	01
SNAP ON INC	COM	833034101	5,986	124,452SH	X		01
SNAP ON INC	COM	833034101	495	10,300SH		X	01
SOLETRON CORP	COM	834182107	56	17,805SH	X		01
SONY CORP	ADR NEW	835699307	2,371	46,966SH	X		01
SONY CORP	ADR NEW	835699307	38	750SH		X	01
SOUTH FINL GROUP INC	COM	837841105	215	8,696SH	X		01
SOUTHERN CO	COM	842587107	9,338	254,786SH	X		01
SOUTHERN CO	COM	842587107	645	17,591SH		X	01
SOUTHWEST AIRLS CO	COM	844741108	10,607	721,574SH	X		01
SOUTHWEST AIRLS CO	COM	844741108	1	35SH		X	01
SOUTHWESTERN ENERGY CO	COM	845467109	2,247	54,825SH	X		01
SOVEREIGN BANCORP INC	COM	845905108	845	33,202SH	X		01
SPARTAN STORES INC	COM	846822104	1,525	56,914SH	X		01
SPECTRA ENERGY CORP	COM	847560109	840	31,984SH	X		01
SPECTRA ENERGY CORP	COM	847560109	96	3,672SH		X	01
SPIRIT AEROSYSTEMS	COM CL A	848574109	1,436	45,094SH	X		01
SPRINT NEXTEL CORP	COM FON	852061100	5,675	299,324SH	X		01
SPRINT NEXTEL CORP	COM FON	852061100	465	24,519SH		X	01
STANCORP FINL GROUP INC	COM	852891100	5,545	112,764SH	X		01
STANLEY INC	COM	854532108	1,937	124,173SH	X		01
STAPLES INC	COM	855030102	2,636	102,022SH	X		01
STAPLES INC	COM	855030102	269	10,410SH		X	01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

STARBUCKS CORP	COM	855244109	2,244	71,560SH	X			01
STARBUCKS CORP	COM	855244109	812	25,878SH			X	01
STATE AUTO FINL CORP	COM	855707105	303	9,427SH	X			01
STARWOOD HOTELS&RESORTS	COM	85590A401	836	12,894SH	X			01
STARWOOD HOTELS&RESORTS	COM	85590A401	30	462SH			X	01
STATE STR CORP	COM	857477103	11,817	182,500SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE CALL (A)	SHR (B)	OTHR (C)	
STATE STR CORP	COM	857477103	23	352SH			X	01
STERICYCLE INC	COM	858912108	312	3,823SH	X			01
STERICYCLE INC	COM	858912108	47	580SH			X	01
STMICROELECTRONICS N V	NY REGISTRY	861012102		966 50,325SH			X	
STMICROELECTRONICS N V	NY REGISTRY	861012102	6	330SH			X	01
STORA ENSO CORP	SPON ADR REP R	86210M106	1,367	79,168SH	X			01
STORA ENSO CORP	SPON ADR REP R	86210M106	711	41,145SH			X	01
STREETTRACKS SER TR	SPDR S&P MTL	86330E646	205	3,578SH	X			01
STRYKER CORP	COM	863667101	12,281	185,175SH	X			01
STRYKER CORP	COM	863667101	764	11,525SH			X	01
SUN MICROSYSTEMS INC	COM	866810104	1,746	290,580SH	X			01
SUN MICROSYSTEMS INC	COM	866810104	54	8,939SH			X	01
SUN HEALTHCARE GROUP	COM NEW	866933401	2,437	197,327SH	X			01
SUNCOR ENERGY INC	COM	867229106	762	9,980SH	X			01
SUNCOR ENERGY INC	COM	867229106	436	5,709SH			X	01
SUNOCO INC	COM	86764P109	1,221	17,339SH	X			01
SUNOCO INC	COM	86764P109	137	1,952SH			X	01
SUNRISE SENIOR LIVING	COM	86768K106	3,674	92,978SH	X			01
SUNRISE SENIOR LIVING	COM	86768K106	16	415SH			X	01
SUNTRUST BKS INC	COM	867914103	1,806	21,748SH	X			01
SUNTRUST BKS INC	COM	867914103	42	507SH			X	01
SUPERIOR ENERGY SVCS	COM	868157108	315	9,139SH	X			01
SUPERVALU INC	COM	868536103	5,060	129,519SH	X			01
SUPERVALU INC	COM	868536103	83	2,125SH			X	01
SWISSCOM AG	SPONSORED ADR	871013108	151	4,165SH	X			01
SWISSCOM AG	SPONSORED ADR	871013108	688	19,023SH			X	01
SYCAMORE NETWORKS INC	COM	871206108	84	22,375SH	X			01
SYMANTEC CORP	COM	871503108	1,658	95,837SH	X			01
SYMANTEC CORP	COM	871503108	9	547SH			X	01
SYNGENTA AG	SPONSORED ADR	87160A100	278	7,300SH	X			01
SYNGENTA AG	SPONSORED ADR	87160A100	14	379SH			X	01
SYNOPSYS INC	COM	871607107	11,411	435,033SH	X			01
SYNOVUS FINL CORP	COM	87161C105	3,756	116,138SH	X			01
SYNOVUS FINL CORP	COM	87161C105	300	9,269SH			X	01
SYNTEL INC	COM	87162H103	1,896	54,714SH	X			01
SYSCO CORP	COM	871829107	2,426	71,704SH	X			01
SYSCO CORP	COM	871829107	1,745	51,567SH			X	01
TECO ENERGY INC	COM	872375100	2,829	164,374SH	X			01



Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

TECO ENERGY INC	COM	872375100	10	600SH		X	01
THQ INC	COM NEW	872443403	2,347	68,656SH	X		01
TJX COS INC NEW	COM	872540109	2,771	102,775SH	X		01
TJX COS INC NEW	COM	872540109	45	1,681SH		X	01
TXU CORP	COM	873168108	2,582	40,284SH	X		01
TXU CORP	COM	873168108	160	2,503SH		X	01
TAIWAN SEMICONDUCTOR	SPONSORED ADR	874039100	122	11,304SH	X		01
TALEO CORP	CL A	87424N104	1,416	85,413SH	X		01
TALISMAN ENERGY INC	COM	87425E103	288	16,385SH	X		01
TALISMAN ENERGY INC	COM	87425E103	137	7,830SH		X	01
TARGET CORP	COM	87612E106	7,391	124,722SH	X		01
TARGET CORP	COM	87612E106	3,504	59,134SH		X	01
TEAM FINANCIAL INC	COM	87815X109	258	17,000SH	X		01
TECHNE CORP	COM	878377100	70	1,232SH	X		01
TECHNE CORP	COM	878377100	286	5,000SH		X	01
TECHNIP NEW	SPONSORED ADR	878546209	271	3,715SH		X	01
TEKELEC	COM	879101103	277	18,600SH	X		01
TELECOM ITALIA S P A	SPON ADR SVGS	87927Y201	834	33,815SH		X	01
TELECOM CORP NEW ZLND	SPONSORED ADR	879278208	477	17,537SH	X		01
TELEFONICA S A	SPONSORED ADR	879382208	425	6,403SH	X		01
TELEFONICA S A	SPONSORED ADR	879382208	7	111SH		X	01
TELEFONOS DE MEXICO	SPON ADR ORD L	879403780	283	8,488SH	X		01
TELEPHONE & DATA SYS	COM	879433100	1,027	17,233SH	X		01
TELLABS INC	COM	879664100	378	38,198SH	X		01
TEMPLE INLAND INC	COM	879868107	691	11,563SH	X		01
TEMPLE INLAND INC	COM	879868107	6	95SH		X	01
TELETECH HOLDINGS INC	COM	879939106	5,228	142,493SH	X		01
TELETECH HOLDINGS INC	COM	879939106	16	431SH		X	01
TEMPUR PEDIC INTL INC	COM	88023U101	5,713	219,808SH	X		01
TENARIS S A	SPONSORED ADR	88031M109	188	4,102SH	X		01
TENARIS S A	SPONSORED ADR	88031M109	14	311SH		X	01
TEVA PHARMACEUTICAL	ADR	881624209	2,787	74,446SH	X		01
TEVA PHARMACEUTICAL	ADR	881624209	622	16,626SH		X	01
TESSERA TECHNOLOGIES	COM	88164L100	1,839	46,270SH	X		01
TEXAS INSTRS INC	COM	882508104	7,120	236,549SH	X		01
TEXAS INSTRS INC	COM	882508104	799	26,539SH		X	01
TEXTRON INC	COM	883203101	1,295	14,420SH	X		01
TEXTRON INC	COM	883203101	89	988SH		X	01
THERMO FISHER SCNTFC	COM	883556102	13,206	282,485SH	X		01
THERMO FISHER SCNTFC	COM	883556102	68	1,457SH		X	01
THIRD WAVE TECHNLS	COM	88428W108	15	3,000SH	X		01
THIRD WAVE TECHNLS	COM	88428W108	102	20,000SH		X	01
3M CO	COM	88579Y101	20,964	274,289SH	X		01
3M CO	COM	88579Y101	5,134	67,174SH		X	01
TIME WARNER INC	COM	887317105	14,948	757,997SH	X		01
TIME WARNER INC	COM	887317105	1,015	51,462SH		X	01
TOMKINS PLC	SPONSORED ADR	890030208	2	100SH	X		01
TOMKINS PLC	SPONSORED ADR	890030208	480	22,808SH		X	01
TOPPS INC	COM	890786106	2,449	251,967SH	X		01
TORCHMARK CORP	COM	891027104	704	10,739SH	X		01
TORCHMARK CORP	COM	891027104	19	291SH		X	01
TOTAL S A	SPONSORED ADR	89151E109	172	2,465SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

----- COLUMN 1 ----- COLUMN 2 ----- COLUMN 3 ----- COLUMN 4 ----- COLUMN 5 ----- COLUMN 6 ----- COLUMN 7 -----									
NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
TOTAL S A	SPONSORED ADR	89151E109	509	7,300SH				X	01
TOWER GROUP INC	COM	891777104	2,287	70,977SH	X				01
TOWER GROUP INC	COM	891777104	7	230SH				X	01
TOTAL SYS SVCS INC	COM	891906109	223	7,000SH				X	01
TOYOTA MOTOR CORP	SP ADR REP2COM	892331307	203	1,582SH	X				01
TOYOTA MOTOR CORP	SP ADR REP2COM	892331307	190	1,482SH				X	01
TRANSACT TECHNOLOGIES	COM	892918103	139	20,000SH	X				01
TRANSDIGM GROUP INC	COM	893641100	2,891	79,477SH	X				01
TRAVELERS COMPANIES INC	COM	89417E109	12,473	240,938SH	X				01
TRAVELERS COMPANIES INC	COM	89417E109	99	1,909SH				X	01
TUPPERWARE BRANDS CORP	COM	899896104	189	7,573SH	X				01
TUPPERWARE BRANDS CORP	COM	899896104	307	12,320SH				X	01
TURBOCHEF TECHNOLOGIES	COM NEW	900006206	1,799	118,224SH	X				01
TWEEN BRANDS INC	COM	901166108	260	7,270SH	X				01
TWIN DISC INC	COM	901476101	254	5,946SH				X	01
TYCO INTL LTD NEW	COM	902124106	3,550	112,504SH	X				01
TYCO INTL LTD NEW	COM	902124106	359	11,376SH				X	01
UGI CORP NEW	COM	902681105	224	8,392SH	X				01
UST INC	COM	902911106	9,130	157,464SH	X				01
UST INC	COM	902911106	189	3,266SH				X	01
US BANCORP DEL	COM NEW	902973304	33,614	961,214SH	X				01
US BANCORP DEL	COM NEW	902973304	4,622	132,170SH				X	01
UAP HLDG CORP	COM	903441103	5,176	200,225SH	X				01
ULTRA PETROLEUM CORP	COM	903914109	1,437	27,052SH	X				01
ULTRA PETROLEUM CORP	COM	903914109	97	1,820SH				X	01
UNILEVER N V	N Y SHS NEW	904784709	273	9,360SH	X				01
UNILEVER N V	N Y SHS NEW	904784709	98	3,365SH				X	01
UNION PAC CORP	COM	907818108	2,096	20,643SH	X				01
UNION PAC CORP	COM	907818108	559	5,507SH				X	01
UNIT CORP	COM	909218109	811	16,027SH	X				01
UNITED AMER INDEMNITY	CL A	90933T109	257	11,090SH	X				01
UNITED AMER INDEMNITY	CL A	90933T109		12	538SH				X
UNITED PARCEL SERVICE	CL B	911312106	8,137	116,070SH	X				01
UNITED PARCEL SERVICE	CL B	911312106	795	11,336SH				X	01
UNITED STATES STL CORP	COM	912909108	317	3,199SH	X				01
UNITED STATES STL CORP	COM	912909108	165	1,664SH				X	01
UNITED TECHNOLOGIES	COM	913017109	7,190	110,618SH	X				01
UNITED TECHNOLOGIES	COM	913017109	3,432	52,797SH				X	01
UNITED UTILS PLC	SPONSORED ADR	91311Q105	467	15,734SH				X	01
UNITEDHEALTH GROUP INC	COM	91324P102	3,603	68,022SH	X				01
UNITEDHEALTH GROUP INC	COM	91324P102	1,197	22,605SH				X	01
UNIVERSAL COMPRESSION	COM	913431102	223	3,290SH	X				01
UNIVERSAL HLTH SVCS INC	CL B	913903100	321	5,600SH	X				01
UNIVERSAL HLTH SVCS INC	CL B	913903100	19	327SH				X	01
V F CORP	COM	918204108	5,092	61,637SH	X				01
V F CORP	COM	918204108	154	1,860SH				X	01
VAIL RESORTS INC	COM	91879Q109	3,193	58,768SH	X				01
VALERO ENERGY CORP NEW	COM	91913Y100	3,705	57,453SH	X				01
VALERO ENERGY CORP NEW	COM	91913Y100	162	2,512SH				X	01
VALSPAR CORP	COM	920355104	10,744	386,076SH	X				01
VALUECLICK INC	COM	92046N102	2,668	102,106SH	X				01
VAN KAMPEN TR INVT GRD	COM	920929106	515	32,762SH	X				01
VAN KAMPEN TR INVT GRD	COM	920929106	518	33,000SH				X	01
VAN KAMPEN MUN OPRTY TR	COM	920935103	358	22,992SH	X				01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

VAN KAMPEN MUN OPRTY TR	COM	920935103	513	33,000SH		X			01
VANGUARD WHITEHALL FDS	HIGH DIV YLD	921946406	247	4,800SH		X			01
VANGUARD WHITEHALL FDS	HIGH DIV YLD	921946406	30	578SH			X		01
VANGUARD WORLD FDS	HEALTH CAR ETF	92204A504	776	13,419SH		X			01
VANGUARD WORLD FDS	UTILITIES ETF	92204A876		245 2,941SH			X		01
VANGUARD INTL EQTY IND	EMR MKT ETF	922042858	536	6,795SH		X			01
VANGUARD INTL EQTY IND	EMR MKT ETF	922042858	828	10,500SH				X	01
VANGUARD INTL EQTY IND	EURPEAN ETF	922042874	2,925	41,250SH		X			01
VANGUARD INTL EQTY IND	EURPEAN ETF	922042874	67	950SH				X	01
VASCO DATA SEC INTL INC	COM	92230Y104	2,363	132,244SH		X			01
VECTREN CORP	COM	92240G101	407	14,240SH		X			01
VECTREN CORP	COM	92240G101	157	5,480SH				X	01
VANGUARD INDEX FDS	SM CP VAL ETF	922908611	5,473	75,495SH		X			01
VANGUARD INDEX FDS	EXTEND MKT ETF	922908652	410	3,852SH		X			01
VANGUARD INDEX FDS	EXTEND MKT ETF	922908652	87	814SH				X	01
VANGUARD INDEX FDS	VALUE ETF	922908744	1,776	25,968SH		X			01
VANGUARD INDEX FDS	STK MRK ETF	922908769	1,560	11,026SH		X			01
VANGUARD INDEX FDS	STK MRK ETF	922908769	502	3,550SH				X	01
VEOLIA ENVIRONNEMENT	SPONSORED ADR	92334N103	221	2,980SH		X			01
VERIFONE HLDGS INC	COM	92342Y109	4,856	132,220SH		X			01
VERIZON COMMUNICATIONS	COM	92343V104	39,190	1,033,501SH		X			01
VERIZON COMMUNICATIONS	COM	92343V104	3,580	94,401SH				X	01
VERTEX PHARMACEUTICALS	COM	92532F100		759 27,071SH				X	01
VERTEX PHARMACEUTICALS	COM	92532F100	9	305SH				X	01
VIACOM INC NEW	CL B	92553P201	619	15,069SH		X			01
VIACOM INC NEW	CL B	92553P201	210	5,107SH				X	01
VIGNETTE CORP	COM NEW	926734401	2,064	111,142SH		X			01
VISHAY INTERTECHNOLOGY	COM	928298108	230	16,463SH		X			01
VODAFONE GROUP PLC NEW	SPONS ADR NEW	92857W209	809	30,101SH		X			01
VODAFONE GROUP PLC NEW	SPONS ADR NEW	92857W209	784	29,176SH				X	01
VOLCANO CORPORATION	COM	928645100	1,664	92,409SH		X			01
VORNADO RLTY TR	SH BEN INT	929042109	1,684	14,109SH		X			01
VORNADO RLTY TR	SH BEN INT	929042109	449	3,765SH				X	01
VULCAN MATLS CO	COM	929160109	394	3,385SH		X			01
VULCAN MATLS CO	COM	929160109	179	1,538SH				X	01
WPP GROUP PLC	SPON ADR 0905	929309409	239	3,150SH		X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUMN 7

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE CALL (A)	SHR (B)	OTHR (C)	
WACHOVIA CORP NEW	COM	929903102	19,102	347,002SH	X			01
WACHOVIA CORP NEW	COM	929903102	1,853	33,656SH			X	01
WACOAL HOLDINGS CORP	ADR	930004205	255	4,061SH			X	01
WAL MART STORES INC	COM	931142103	20,764	442,267SH	X			01
WAL MART STORES INC	COM	931142103	3,996	85,114SH			X	01
WALGREEN CO	COM	931422109	23,309	507,926SH	X			01
WALGREEN CO	COM	931422109	9,470	206,357SH			X	01
WASHINGTON MUT INC	COM	939322103	14,272	353,452SH	X			01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

WASHINGTON MUT INC	COM	939322103	333	8,247SH			X	01
WASTE MGMT INC DEL	COM	94106L109	13,909	404,227SH		X		01
WASTE MGMT INC DEL	COM	94106L109	1,168	33,942SH			X	01
WATERS CORP	COM	941848103	809	13,941SH		X		01
WATERS CORP	COM	941848103	29	498SH			X	01
WATTS WATER TECHNLS	CL A	942749102	225	5,917SH		X		01
WAUSAU PAPER CORP	COM	943315101	2,097	146,018SH		X		01
WAUSAU PAPER CORP	COM	943315101	1,667	116,066SH			X	01
WAUWATOSA HLDGS INC	COM	94348P108	13,251	758,046SH		X		01
WEBEX COMMUNICATIONS	COM	94767L109	5,867	103,192SH		X		01
WEINGARTEN RLTY INVS	SH BEN INT	948741103	131	2,752SH		X		01
WEINGARTEN RLTY INVS	SH BEN INT	948741103	747	15,699SH			X	01
WELLPOINT INC	COM	94973V107	4,848	59,784SH		X		01
WELLPOINT INC	COM	94973V107	194	2,389SH			X	01
WELLS FARGO & CO NEW	COM	949746101	36,133	1,049,455SH		X		01
WELLS FARGO & CO NEW	COM	949746101	4,528	131,511SH			X	01
WENDYS INTL INC	COM	950590109	565	18,042SH		X		01
WENDYS INTL INC	COM	950590109	9	291SH			X	01
WESCO INTL INC	COM	95082P105	1,359	21,654SH		X		01
WESCO INTL INC	COM	95082P105	55	870SH			X	01
WESTAR ENERGY INC	COM	95709T100	265	9,622SH		X		01
WESTAR ENERGY INC	COM	95709T100	19	704SH			X	01
WESTERN ASSET GLBL HIGH	COM	95766B109	281	20,000SH		X		01
WESTERN DIGITAL CORP	COM	958102105	2,802	166,673SH		X		01
WESTERN UN CO	COM	959802109	1,130	51,482SH		X		01
WESTERN UN CO	COM	959802109	50	2,266SH			X	01
WET SEAL INC	CL A	961840105	2,721	415,373SH		X		01
WEYCO GROUP INC	COM	962149100	140	5,400SH		X		01
WEYCO GROUP INC	COM	962149100	373	14,364SH			X	01
WEYERHAEUSER CO	COM	962166104	11,792	157,773SH		X		01
WEYERHAEUSER CO	COM	962166104	1,531	20,490SH			X	01
WHIRLPOOL CORP	COM	963320106	1,764	20,773SH		X		01
WHIRLPOOL CORP	COM	963320106	180	2,124SH			X	01
WHOLE FOODS MKT INC	COM	966837106	271	6,049SH		X		01
WHOLE FOODS MKT INC	COM	966837106	437	9,747SH			X	01
WILLIAMS COS INC DEL	COM	969457100	2,846	100,016SH		X		01
WILLIAMS COS INC DEL	COM	969457100	139	4,899SH			X	01
WINDSTREAM CORP	COM	97381W104	8,497	578,396SH		X		01
WINDSTREAM CORP	COM	97381W104	231	15,730SH			X	01
WISCONSIN ENERGY CORP	COM	976657106	5,845	120,463SH		X		01
WISCONSIN ENERGY CORP	COM	976657106	1,722	35,492SH			X	01
WISDOMTREE TRUST	LARGCAP DIVID	97717W307	1,120	19,304SH		X		01
WISDOMTREE TRUST	INTL LRGCAP DV	97717W794	429	6,828SH		X		01
WISDOMTREE TRUST	PAC EXJP TOT D	97717W828	475	7,017SH		X		01
WRIGLEY WM JR CO	COM	982526105	209	4,109SH		X		01
WRIGLEY WM JR CO	COM	982526105	1,554	30,522SH			X	01
WYETH	COM	983024100	10,011	200,098SH		X		01
WYETH	COM	983024100	2,955	59,055SH			X	01
XTO ENERGY INC	COM	98385X106	4,391	80,115SH		X		01
XTO ENERGY INC	COM	98385X106	447	8,162SH			X	01
XCEL ENERGY INC	COM	98389B100	10,144	410,849SH		X		01
XCEL ENERGY INC	COM	98389B100	227	9,181SH			X	01
XILINX INC	COM	983919101	323	12,535SH		X		01
XILINX INC	COM	983919101	5	198SH			X	01
XEROX CORP	COM	984121103	11,660	690,348SH		X		01
XEROX CORP	COM	984121103	29	1,736SH			X	01
YRC WORLDWIDE INC	COM	984249102	279	6,936SH		X		01
YRC WORLDWIDE INC	COM	984249102	4	98SH			X	01
YAHOO INC	COM	984332106	1,829	58,455SH		X		01
YAHOO INC	COM	984332106	357	11,420SH			X	01
YAMANA GOLD INC	COM	98462Y100	156	10,850SH			X	01
YUM BRANDS INC	COM	988498101	732	12,667SH		X		01

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

YUM BRANDS INC	COM	988498101	207	3,579SH		X	01
ZIMMER HLDGS INC	COM	98956P102	2,010	23,529SH	X		01
ZIMMER HLDGS INC	COM	98956P102	491	5,750SH		X	01
ZIONS BANCORPORATION	COM	989701107	10,383	122,850SH	X		01
ZIONS BANCORPORATION	COM	989701107	67	790SH		X	01

REPORT TOTALS

5,306,099

REPORT PTR289 9W

M&I INVESTMENT MANAGEMENT CORP.  
SECURITIES AND EXCHANGE COMMISSION FORM 13F  
ASSETS AS OF 03/31/2007

- - - - COLUMN 1 - - - - - COLUMN 2 - - COLUMN 3 - COLUMN 4 - - COLUMN 5 - - - COLUMN 6 - COLUM

NAME OF ISSUER	TITLE OF CLASS	CUSIP	MARKET VALUE (X\$1000)	SHRS OR PRN AMT	INVESTMENT DISCRETION			OTHER MGRS
					SH/PUT/SOLE CALL (A)	SHR (B)	OTHR (C)	
RENAISSANCERE HOLDINGS	COM	G7496G103	211	4,200SH	X			05
XL CAP LTD	CL A	G98255105	200	2,860SH	X			05
AT&T INC	COM	00206R102	523	13,267SH	X			05
ABBOTT LABS	COM	002824100	291	5,220SH	X			05
ALTRIA GROUP INC	COM	02209S103	284	3,230SH	X			05
AMEREN CORP	COM	023608102	505	10,040SH	X			05
AMERICAN INTL GROUP INC	COM	026874107	286	4,260SH	X			05
APARTMENT INVT & MGMT	CL A	03748R101	401	6,945SH	X			05
APPLIED MATLS INC	COM	038222105	217	11,870SH	X			05
ARCHSTONE SMITH TR	COM	039583109	220	4,050SH	X			05
BB&T CORP	COM	054937107	204	4,985SH	X			05
BANK OF AMERICA CORP	COM	060505104	826	16,185SH	X			05
BOEING CO	COM	097023105	276	3,100SH	X			05
BRISTOL MYERS SQUIBB CO	COM	110122108	496	17,880SH	X			05
CHEVRON CORP NEW	COM	166764100	1,128	15,255SH	X			05
CISCO SYS INC	COM	17275R102	527	20,658SH	X			05
CITIGROUP INC	COM	172967101	961	18,715SH	X			05
CITIZENS COMMUNICATIONS	COM	17453B101	475	31,775SH	X			05
COCA COLA CO	COM	191216100	472	9,830SH	X			05
COMERICA INC	COM	200340107	240	4,065SH	X			05
CONOCOPHILLIPS	COM	20825C104	593	8,670SH	X			05
CONSOLIDATED EDISON INC	COM	209115104	699	13,680SH	X			05
DTE ENERGY CO	COM	233331107	282	5,890SH	X			05
DELL INC	COM	24702R101	374	16,125SH	X			05
DONNELLEY R R & SONS CO	COM	257867101	265	7,235SH	X			05
DOW CHEM CO	COM	260543103	486	10,600SH	X			05
DU PONT E I DE NEMOURS	COM	263534109	206	4,175SH	X			05
EQUITY RESIDENTIAL	SH BEN INT	29476L107	354	7,350SH	X			05
EXXON MOBIL CORP	COM	30231G102	421	5,580SH	X			05
FIFTH THIRD BANCORP	COM	316773100	231	5,975SH	X			05
FIRST HORIZON NATL CORP	COM	320517105	279	6,730SH	X			05
GENERAL ELECTRIC CO	COM	369604103	1,133	32,055SH	X			05
HEINZ H J CO	COM	423074103	295	6,255SH	X			05
INTERNATIONAL BUS MACHS	COM	459200101	237	2,510SH	X			05
ISHARES TR	MSCI EAFE IDX	464287465	237	3,109SH	X			05
ISHARES TR	RUSSELL MCP GR	464287481	4,665	43,550SH	X			05

Edgar Filing: MARSHALL & ILSLEY CORP/WI/ - Form 13F-HR

ISHARES TR	RUSL 2000 GROW	464287648	5,972	74,600SH	X	05
JOHNSON & JOHNSON	COM	478160104	333	5,525SH	X	05
JOHNSON CTLS INC	COM	478366107	214	2,260SH	X	05
KELLOGG CO	COM	487836108	280	5,445SH	X	05
KIMCO REALTY CORP	COM	49446R109	281	5,775SH	X	05
LAUDER ESTEE COS INC	CL A	518439104	223	4,560SH	X	05
LILLY ELI & CO	COM	532457108	393	7,325SH	X	05
LOCKHEED MARTIN CORP	COM	539830109	402	4,145SH	X	05
MASCO CORP	COM	574599106	231	8,445SH	X	05
MERCK & CO INC	COM	589331107	305	6,900SH	X	05
MICROSOFT CORP	COM	594918104	405	14,541SH	X	05
NATIONAL CITY CORP	COM	635405103	537	14,410SH	X	05
PFIZER INC	COM	717081103	712	28,170SH	X	05
PITNEY BOWES INC	COM	724479100	308	6,785SH	X	05
PLUM CREEK TIMBER CO	COM	729251108	484	12,285SH	X	05
PROCTER & GAMBLE CO	COM	742718109	294	4,660SH	X	05
PROGRESS ENERGY INC	COM	743263105	717	14,220SH	X	05
PROGRESSIVE CORP OHIO	COM	743315103	223	10,240SH	X	05
QUALCOMM INC	COM	747525103	215	5,040SH	X	05
SIMON PPTY GROUP INC	COM	828806109	292	2,625SH	X	05
SOUTHERN CO	COM	842587107	430	11,740SH	X	05
TIME WARNER INC	COM	887317105	296	15,010SH	X	05
US BANCORP DEL	COM NEW	902973304	642	18,370SH	X	05
VERIZON COMMUNICATIONS	COM	92343V104	691	18,215SH	X	05
WACHOVIA CORP NEW	COM	929903102	641	11,645SH	X	05
WASHINGTON MUT INC	COM	939322103	587	14,530SH	X	05
WELLS FARGO & CO NEW	COM	949746101	206	5,970SH	X	05
WEYERHAEUSER CO	COM	962166104	336	4,490SH	X	05
WINDSTREAM CORP	COM	97381W104	424	28,845SH	X	05

REPORT TOTALS

-----  
36,574  
=====