

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

MARSHALL & ILSLEY CORP/WI/
Form 13F-HR
August 10, 2006

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

Form 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: 06/30/2006

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 08/10/06

[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: 3
 Form 13F Information Table Entry Total: 1,740
 Form 13F Information Table Value Total: \$ 4,826,960
 (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.
06	28-6060	Attorney Harrold J. McComas

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2006

- - - 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	
AAR CORP	COM	000361105	2,402	108,051	SH	X			01
ACCO BRANDS CORP	COM	00081T108	346	15,809	SH	X			01
ACCO BRANDS CORP	COM	00081T108	57	2,591	SH			X	01
ACM INCOME FUND INC	COM	000912105	333	45,000	SH	X			01
AFC ENTERPRISES INC	COM	00104Q107	169	13,250	SH	X			01
AFLAC INC	COM	001055102	875	18,885	SH	X			01
AFLAC INC	COM	001055102	141	3,052	SH			X	01
AGL RES INC	COM	001204106	212	5,555	SH	X			01
AES CORP	COM	00130H105	838	45,434	SH	X			01
AES CORP	COM	00130H105	55	3,006	SH			X	01
AMR CORP	COM	001765106	1,345	52,899	SH	X			01
AMR CORP	COM	001765106	16	643	SH			X	01

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

AT&T INC	COM	00206R102	26,381	945,936	SH	X		01
AT&T INC	COM	00206R102	3,956	141,852	SH		X	010
AVI BIOPHARMA INC	COM	002346104	319	85,000	SH	X		01
ABBOTT LABS	COM	002824100	25,022	573,771	SH	X		01
ABBOTT LABS	COM	002824100	6,016	137,979	SH		X	010
ABERCROMBIE & FITCH CO	CL A	002896207	824	14,863	SH	X		01
ABERCROMBIE & FITCH CO	CL A	002896207	3	55	SH		X	01
ACACIA RESH CORP	ACACIA TCH COM	003881307	2,292	162,997	SH	X		01
ACUITY BRANDS INC	COM	00508Y102	307	7,882	SH	X		01
ADESA INC	COM	00686U104	242	10,871	SH	X		01
ADESA INC	COM	00686U104	17	760	SH		X	01
ADOBE SYS INC	COM	00724F101	690	22,737	SH	X		01
ADOBE SYS INC	COM	00724F101	14	476	SH		X	01
ADVO INC	COM	007585102	239	9,692	SH	X		01
ADVANTAGE ENRGY INCM FD	TR UNIT	00762L101	419	24,010	SH	X		01
ADVISORY BRD CO	COM	00762W107	1,624	33,775	SH	X		01
ADVANCED MICRO DEVICES	COM	007903107	1,451	59,405	SH	X		01
ADVANCED MICRO DEVICES	COM	007903107	102	4,187	SH		X	01
AEGON N V	ORD AMER REG	007924103	142	8,345	SH	X		01
AEGON N V	ORD AMER REG	007924103	225	13,190	SH		X	01
AETNA INC NEW	COM	00817Y108	3,291	82,418	SH	X		01
AETNA INC NEW	COM	00817Y108	507	12,697	SH		X	01
AFFILIATED COMPUTER	CL A	008190100	1,163	22,538	SH	X		01
AFFILIATED COMPUTER	CL A	008190100	26	496	SH		X	01
AFFILIATED MANAGERS GRP	COM	008252108	3,871	44,550	SH	X		01
AGILENT TECHNOLOGIES	COM	00846U101	1,739	55,104	SH	X		01
AGILENT TECHNOLOGIES	COM	00846U101	74	2,353	SH		X	01
AGRIUM INC	COM	008916108	270	11,630	SH	X		01
AIR PRODS & CHEMS INC	COM	009158106	951	14,883	SH	X		01
AIR PRODS & CHEMS INC	COM	009158106	1,170	18,303	SH		X	01
AIRGAS INC	COM	009363102	315	8,449	SH	X		01
AKAMAI TECHNOLOGIES INC	COM	00971T101	5,284	146,017	SH	X		01
AKAMAI TECHNOLOGIES INC	COM	00971T101	27	754	SH		X	01
ALBANY INTL CORP	CL A	012348108	222	5,248	SH	X		01
ALBERTO CULVER CO	COM	013068101	525	10,771	SH	X		01
ALBERTO CULVER CO	COM	013068101	1	18	SH		X	01
ALCOA INC	COM	013817101	12,437	384,348	SH	X		01
ALCOA INC	COM	013817101	1,841	56,894	SH		X	01
ALCATEL	SPONSORED ADR	013904305	174	13,780	SH	X		01
ALCATEL	SPONSORED ADR	013904305	6	440	SH		X	01
ALLEGHENY ENERGY INC	COM	017361106	774	20,886	SH	X		01
ALLEGHENY ENERGY INC	COM	017361106	8	220	SH		X	01
ALLEGHENY TECHNOLOGIES	COM	01741R102	429	6,195	SH	X		01
ALLEGHENY TECHNOLOGIES	COM	01741R102	46	663	SH		X	01
ALLERGAN INC	COM	018490102	3,379	31,501	SH	X		01
ALLERGAN INC	COM	018490102	16	145	SH		X	01
ALLETE INC	COM NEW	018522300	187	3,942	SH	X		01
ALLETE INC	COM NEW	018522300	23	486	SH		X	01
ALLIANCE DATA SYSTEMS	COM	018581108	1,669	28,376	SH	X		01
ALLIANT ENERGY CORP	COM	018802108	4,251	123,942	SH	X		01
ALLIANT ENERGY CORP	COM	018802108	411	11,986	SH		X	01
ALLIANT TECHSYSTEMS INC	COM	018804104	9,222	120,782	SH	X		01
ALLIANCEBERNSTEIN HLD	UNIT LTD PARTN	01881G106	37	600	SH	X		01
ALLIANCEBERNSTEIN HLD	UNIT LTD PARTN	01881G106	229	3,742	SH		X	01
ALLIED CAP CORP NEW	COM	01903Q108	182	6,340	SH	X		01
ALLIED CAP CORP NEW	COM	01903Q108	47	1,625	SH		X	01
ALLIED WASTE INDS INC	COM PAR\$.01NEW	019589308	330	29,069	SH	X		01
ALLIED WASTE INDS INC	COM PAR\$.01NEW	019589308	5	480	SH		X	01
ALLSTATE CORP	COM	020002101	2,836	51,820	SH	X		01
ALLSTATE CORP	COM	020002101	834	15,240	SH		X	01
ALLTEL CORP	COM	020039103	14,998	234,968	SH	X		01
ALLTEL CORP	COM	020039103	205	3,217	SH		X	01

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

ALTERA CORP	COM	021441100	326	18,564	SH	X		01
ALTERA CORP	COM	021441100	7	378	SH		X	01
ALTRIA GROUP INC	COM	02209S103	38,030	517,915	SH	X		01
ALTRIA GROUP INC	COM	02209S103	19,753	269,007	SH		X	01
ALUMINA LTD	SPONSORED ADR	022205108	378	18,818	SH		X	01
AMBAC FINL GROUP INC	COM	023139108	14,836	182,939	SH	X		01
AMBAC FINL GROUP INC	COM	023139108	39	477	SH		X	01
AMEREN CORP	COM	023608102	6,020	119,209	SH	X		01
AMEREN CORP	COM	023608102	303	5,996	SH		X	010
AMCORE FINL INC	COM	023912108	21	709	SH	X		01
AMCORE FINL INC	COM	023912108	448	15,297	SH		X	01
AMERICAN CAPITAL STRTGS	COM	024937104	1,080	32,267	SH	X		01
AMERICAN COMMERCIAL LNS	COM NEW	025195207	1,946	32,296	SH	X		01
AMERICAN ELEC PWR INC	COM	025537101	776	22,660	SH	X		01
AMERICAN ELEC PWR INC	COM	025537101	73	2,135	SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - - 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	
AMERICAN EAGLE OUTFTRRS	COM	02553E106	1,034	30,387	SH	X			01
AMERICAN EAGLE OUTFTRRS	COM	02553E106	28	820	SH			X	01
AMERICAN EXPRESS CO	COM	025816109	8,165	153,420	SH	X			01
AMERICAN EXPRESS CO	COM	025816109	1,452	27,285	SH			X	010
AMERICAN GREETINGS CORP	CL A	026375105	326	15,550	SH	X			01
AMERICAN INTL GROUP INC	COM	026874107	20,519	347,488	SH	X			01
AMERICAN INTL GROUP INC	COM	026874107	2,622	44,410	SH			X	010
AMERICAN PWR CONVERSION	COM	029066107	258	13,266	SH	X			01
AMERICAN PWR CONVERSION	COM	029066107	174	8,985	SH			X	01
AMERICAN REPROGRAPHICS	COM	029263100	2,993	82,577	SH	X			01
AMERICAN STD COS INC	COM	029712106	476	11,003	SH	X			01
AMERICAN STD COS INC	COM	029712106	11	259	SH			X	01
AMERICAN STS WTR CO	COM	029899101	1,399	39,260	SH	X			01
AMERICAN STS WTR CO	COM	029899101	87	2,450	SH			X	01
AMERICAN TOWER CORP	CL A	029912201	1,484	47,692	SH	X			01
AMERICAN TOWER CORP	CL A	029912201	119	3,837	SH			X	01
AMERICAN TECHN LGY CORP	COM NEW	030145205	27	10,000	SH			X	01
AMERISAFE INC	COM	03071H100	1,431	115,024	SH	X			01
AMERISOURCEBERGEN CORP	COM	03073E105	13,207	315,045	SH	X			01
AMERISOURCEBERGEN CORP	COM	03073E105	62	1,490	SH			X	010
AMERIPRISE FINL INC	COM	03076C106	1,042	23,340	SH	X			01
AMERIPRISE FINL INC	COM	03076C106	182	4,083	SH			X	01
AMES NATL CORP	COM	031001100	1,206	55,129	SH	X			01
AMGEN INC	COM	031162100	19,374	297,020	SH	X			01
AMGEN INC	COM	031162100	2,325	35,647	SH			X	010
AMPHENOL CORP NEW	CL A	032095101	1,807	32,288	SH	X			01
AMPHENOL CORP NEW	CL A	032095101	16	290	SH			X	01

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

AMSOUTH BANCORPORATION	COM	032165102	5,804	219,462	SH	X		01
AMSOUTH BANCORPORATION	COM	032165102	68	2,580	SH		X	010
ANADARKO PETE CORP	COM	032511107	6,692	140,332	SH	X		01
ANADARKO PETE CORP	COM	032511107	1,017	21,317	SH		X	010
ANALOG DEVICES INC	COM	032654105	6,899	214,651	SH	X		01
ANALOG DEVICES INC	COM	032654105	530	16,486	SH		X	010
ANCHOR BANCORP WIS INC	COM	032839102	2,997	99,348	SH	X		01
ANCHOR BANCORP WIS INC	COM	032839102	826	27,380	SH		X	01
ANDREW CORP	COM	034425108	1,127	127,245	SH	X		01
ANDREW CORP	COM	034425108	25	2,900	SH		X	01
ANGLO AMERN PLC	ADR	03485P102	276	13,500	SH	X		01
ANGLO AMERN PLC	ADR	03485P102	458	22,408	SH		X	01
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	56	1,170	SH	X		01
ANGLOGOLD ASHANTI LTD	SPONSORED ADR	035128206	540	11,213	SH		X	01
ANHEUSER BUSCH COS INC	COM	035229103	6,179	135,539	SH	X		01
ANHEUSER BUSCH COS INC	COM	035229103	3,971	87,125	SH		X	010
ANNTAYLOR STORES CORP	COM	036115103	1,675	38,601	SH	X		01
ANTHRACITE CAP INC	COM	037023108	193	15,850	SH	X		01
AON CORP	COM	037389103	502	14,430	SH	X		01
AON CORP	COM	037389103	85	2,455	SH		X	01
APACHE CORP	COM	037411105	8,277	121,277	SH	X		01
APACHE CORP	COM	037411105	436	6,394	SH		X	01
APOLLO GROUP INC	CL A	037604105	368	7,119	SH	X		01
APOLLO GROUP INC	CL A	037604105	161	3,113	SH		X	01
APPLE COMPUTER INC	COM	037833100	8,328	145,423	SH	X		01
APPLE COMPUTER INC	COM	037833100	275	4,809	SH		X	01
APPLEBEES INTL INC	COM	037899101	201	10,498	SH	X		01
APRIA HEALTHCARE GROUP	INCCOM	037933108	7,981	422,298	SH	X		01
APPLERA CORP	COM AP BIO GRP	038020103	1,561	48,259	SH	X		01
APPLIED BIOSYSTEMS	GROUP COM	038020103	2,727	84,340	SH	X		01
APPLIED BIOSYSTEMS	GROUP COM	038020103	98	3,050	SH		X	01
APPLIED MATLS INC	COM	038222105	7,891	484,739	SH	X		01
APPLIED MATLS INC	COM	038222105	647	39,727	SH		X	010
AQUILA INC NEW COM	COM	03840P102	45	10,732	SH	X		01
ARAMARK CORP	CL B	038521100	14,036	423,915	SH	X		01
ARCHER DANIELS MIDLAND	COM	039483102	8,420	203,997	SH	X		01
ARCHER DANIELS MIDLAND	COM	039483102	127	3,078	SH		X	01
ARCHSTONE SMITH TR	COM	039583109	3,023	59,418	SH	X		01
ARCHSTONE SMITH TR	COM	039583109	61	1,205	SH		X	010
ARM HLDGS PLC	SPONSORED ADR	042068106	126	20,200	SH	X		01
ASHLAND INC NEW	COM	044209104	200	3,001	SH	X		01
ASHLAND INC NEW	COM	044209104	62	935	SH		X	01
ASPEN TECHNOLOGY INC	COM	045327103	2,424	184,718	SH	X		01
ASSOCIATED BANC CORP	COM	045487105	6,295	199,642	SH	X		01
ASSOCIATED BANC CORP	COM	045487105	3,066	97,237	SH		X	01
AUTODESK INC	COM	052769106	2,639	76,589	SH	X		01
AUTODESK INC	COM	052769106	145	4,222	SH		X	01
AUTOMATIC DATA PRCSNG	COM	053015103	1,899	41,889	SH	X		01
AUTOMATIC DATA PRCSNG	COM	053015103	595	13,113	SH		X	01
AUTONATION INC	COM	05329W102	289	13,489	SH	X		01
AUTONATION INC	COM	05329W102	2	76	SH		X	01
AUTOZONE INC	COM	053332102	1,138	12,907	SH	X		01
AUTOZONE INC	COM	053332102	12	138	SH		X	01
AVALONBAY CMNTYS INC	COM	053484101	785	7,095	SH	X		01
AVALONBAY CMNTYS INC	COM	053484101	55	500	SH		X	01
AVAYA INC	COM	053499109	438	38,361	SH	X		01
AVAYA INC	COM	053499109	7	693	SH		X	01
AVERY DENNISON CORP	COM	053611109	2,958	50,962	SH	X		01
AVERY DENNISON CORP	COM	053611109	324	5,590	SH		X	010
AVON PRODS INC	COM	054303102	444	14,333	SH	X		01
AVON PRODS INC	COM	054303102	18	586	SH		X	01
BB&T CORP	COM	054937107	7,617	183,144	SH	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 06/30/2006

- - - 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 (D)
BB&T CORP	COM	054937107	76	1,821	SH		X	010
B A S F A G	SPONSORED ADR	055262505	182	2,269	SH	X		01
B A S F A G	SPONSORED ADR	055262505	23	290	SH		X	01
BJ SVCS CO	COM	055482103	2,370	63,604	SH	X		01
BJ SVCS CO	COM	055482103	27	725	SH		X	01
BP PLC	SPONSORED ADR	055622104	20,833	299,289	SH	X		01
BP PLC	SPONSORED ADR	055622104	6,514	93,583	SH		X	01
BMC SOFTWARE INC	COM	055921100	1,587	66,452	SH	X		01
BMC SOFTWARE INC	COM	055921100	76	3,200	SH		X	01
BADGER METER INC	COM	056525108	28,222	1,045,275	SH	X		01
BADGER METER INC	COM	056525108	524	19,400	SH		X	01
BAKER HUGHES INC	COM	057224107	1,960	23,961	SH	X		01
BAKER HUGHES INC	COM	057224107	37	450	SH		X	01
BALL CORP	COM	058498106	1,119	30,214	SH	X		01
BALL CORP	COM	058498106	37	1,007	SH		X	01
BANCO SANTANDER CENT	ADR	05964H105	218	14,935	SH	X		01
BANCO SANTANDER CENT	ADR	05964H105	15	1,005	SH		X	01
BANDAG INC	COM	059815100	1,631	44,600	SH	X		01
BANDAG INC	COM	059815100	100	2,750	SH		X	01
BANK OF AMERICA CORP	COM	060505104	53,071	1,103,356	SH	X		01
BANK OF AMERICA CORP	COM	060505104	5,277	109,734	SH		X	010
BANK MUTUAL CORP NEW	COM	063750103	421	34,421	SH	X		01
BANK MUTUAL CORP NEW	COM	063750103	213	17,390	SH		X	01
BANK NEW YORK INC	COM	064057102	6,068	188,452	SH	X		01
BANK NEW YORK INC	COM	064057102	399	12,390	SH		X	01
BANTA CORP	COM	066821109	238	5,137	SH	X		01
BANTA CORP	COM	066821109	46	1,000	SH		X	01
BARD C R INC	COM	067383109	2,243	30,617	SH	X		01
BARD C R INC	COM	067383109	1,609	21,960	SH		X	01
BARRICK GOLD CORP	COM	067901108	48	1,643	SH	X		01
BARRICK GOLD CORP	COM	067901108	1,333	45,037	SH		X	01
BAXTER INTL INC	COM	071813109	11,644	316,781	SH	X		01
BAXTER INTL INC	COM	071813109	449	12,237	SH		X	010
BE AEROSPACE INC	COM	073302101	2,382	104,207	SH	X		01
BE AEROSPACE INC	COM	073302101	8	371	SH		X	01
BEAR STEARNS COS INC	COM	073902108	12,549	89,587	SH	X		01
BEAR STEARNS COS INC	COM	073902108	32	230	SH		X	01
BECTON DICKINSON & CO	COM	075887109	880	14,404	SH	X		01
BECTON DICKINSON & CO	COM	075887109	221	3628	SH		X	01
BED BATH & BEYOND INC	COM	075896100	294	8,855	SH	X		01
BED BATH & BEYOND INC	COM	075896100	155	4,682	SH		X	01
BELDEN CDT INC	COM	077454106	348	10,529	SH	X		01

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

BELLSOUTH CORP	COM	079860102	22,150	611,897	SH	X		01
BELLSOUTH CORP	COM	079860102	2,217	61,259	SH		X	010
BEMA GOLD CORP	COM	08135F107	2,097	417,702	SH	X		01
BEMIS INC	COM	081437105	401	13,088	SH	X		01
BEMIS INC	COM	081437105	8	245	SH		X	01
BERKLEY W R CORP	COM	084423102	2,551	74,752	SH	X		01
BERKLEY W R CORP	COM	084423102	32	947	SH		X	01
BERKSHIRE HATHAWAY INC	CL A	084670108	367	4	SH	X		01
BERKSHIRE HATHAWAY INC	CL A	084670108	1,283	14	SH		X	01
BERKSHIRE HATHAWAY INC	CL B	084670207	2,650	871	SH	X		01
BERKSHIRE HATHAWAY INC	CL B	084670207	1,272	418	SH		X	01
BEST BUY INC	COM	086516101	13,903	253,536	SH	X		01
BEST BUY INC	COM	086516101	2,001	36,496	SH		X	010
BHP BILLITON LTD	SPONSORED ADR	088606108	114	2,645	SH	X		01
BHP BILLITON LTD	SPONSORED ADR	088606108	530	12,300	SH		X	01
BIG LOTS INC	COM	089302103	2,201	128,856	SH	X		01
BIO RAD LABS INC	CL A	090572207	201	3,100	SH	X		01
BIOMET INC	COM	090613100	753	24,070	SH	X		01
BIOMET INC	COM	090613100	95	3,041	SH		X	01
BIOGEN IDEC INC	COM	09062X103	1,419	30,638	SH	X		01
BIOGEN IDEC INC	COM	09062X103	18	380	SH		X	01
BIOVAIL CORP	COM	09067J109	8,575	366,277	SH	X		01
BIOVAIL CORP	COM	09067J109	21	900	SH		X	01
BLACK & DECKER CORP	COM	091797100	3,017	35,721	SH	X		01
BLACK & DECKER CORP	COM	091797100	8	97	SH		X	01
BLACKROCK INC	CL A	09247X101	862	6,195	SH	X		01
BLACKROCK INC	CL A	09247X101	56	400	SH		X	01
BLOCK H & R INC	COM	093671105	457	19,150	SH	X		01
BLOCK H & R INC	COM	093671105	108	4,531	SH		X	01
BLUE NILE INC	COM	09578R103	1,904	59,208	SH	X		01
BOEING CO	COM	097023105	19,633	239,701	SH	X		01
BOEING CO	COM	097023105	1,219	14,885	SH		X	010
BORG WARNER INC	COM	099724106	629	9,657	SH	X		01
BOSTON SCIENTIFIC CORP	COM	101137107	1,411	83,793	SH	X		01
BOSTON SCIENTIFIC CORP	COM	101137107	84	5,037	SH		X	01
BRADY CORP	CL A	104674106	141	3,832	SH	X		01
BRADY CORP	CL A	104674106	1,960	53,199	SH		X	01
BRIGGS & STRATTON CORP	COM	109043109	657	21,124	SH	X		01
BRIGGS & STRATTON CORP	COM	109043109	432	13,900	SH		X	01
BRIGHT HORZON FMLY SLTN	COM	109195107	1,655	43,912	SH	X		01
BRIGHT HORZON FMLY SLTN	COM	109195107	8	200	SH		X	01
BRINKER INTL INC	COM	109641100	2,535	69,834	SH	X		01
BRINKER INTL INC	COM	109641100	9	250	SH		X	01
BRINKS CO	COM	109696104	220	3,907	SH	X		01
BRISTOL MYERS SQUIBB CO	COM	110122108	17,698	684,393	SH	X		01
BRISTOL MYERS SQUIBB CO	COM	110122108	2,317	89,605	SH		X	01
BROADCOM CORP	CL A	111320107	2,661	87,738	SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

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

INVESTMENT DISCRETION

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

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
BROADCOM CORP	CL A	111320107	33	1,078	SH		X	01
BRONCO DRILLING CO INC	COM	112211107	914	43,763	SH	X		01
BROWN FORMAN CORP	CL B	115637209	357	4,995	SH	X		01
BROWN FORMAN CORP	CL B	115637209	23	316	SH		X	01
BRUNSWICK CORP	COM	117043109	9,745	293,091	SH	X		01
BRUNSWICK CORP	COM	117043109	3	95	SH		X	01
BURLINGTN NRTHN SNTA FE	COM	12189T104	3,462	43,694	SH	X		01
BURLINGTN NRTHN SNTA FE	COM	12189T104	1,252	15,811	SH		X	01
CBIZ INC	COM	124805102	1,667	224,959	SH	X		01
CBS CORP NEW	CL B	124857202	1,048	38,757	SH	X		01
CBS CORP NEW	CL B	124857202	96	3,549	SH		X	01
CB RICHARD ELLIS GROUP	CL A	12497T101	3,685	147,976	SH	X		01
CB RICHARD ELLIS GROUP	CL A	12497T101	27	1,080	SH		X	01
C H ROBINSON WORLDWIDE	COM NEW	12541W209	1,312	24,621	SH	X		01
CIGNA CORP	COM	125509109	830	8,424	SH	X		01
CIGNA CORP	COM	125509109	76	770	SH		X	01
CIT GROUP INC	COM	125581108	8,998	172,089	SH	X		01
CIT GROUP INC	COM	125581108	68	1,305	SH		X	01
CSX CORP	COM	126408103	7,950	112,865	SH	X		01
CSX CORP	COM	126408103	255	3,628	SH		X	01
CVS CORP	COM	126650100	4,138	134,814	SH	X		01
CVS CORP	COM	126650100	167	5,451	SH		X	01
CADENCE DESIGN SYSTEM	COM	127387108	9,013	526,440	SH	X		01
CALAMOS CONV OPP & INC	SH BEN INT	128117108	525	27,313	SH	X		01
CALGON CARBON CORP	COM	129603106	499	82,000	SH	X		01
CALGON CARBON CORP	COM	129603106	26	4,400	SH		X	01
CAMECO CORP	COM	13321L108	1,511	37,794	SH	X		01
CAMECO CORP	COM	13321L108	158	3,965	SH		X	01
CAMPBELL SOUP CO	COM	134429109	4,336	116,844	SH	X		01
CAMPBELL SOUP CO	COM	134429109	254	6,843	SH		X	01
CAPITAL ONE FINL CORP	COM	14040H105	595	6,958	SH	X		01
CAPITAL ONE FINL CORP	COM	14040H105	38	445	SH		X	01
CAPSTONE TURBINE CORP	COM	14067D102	34	15,000	SH	X		01
CARDINAL HEALTH INC	COM	14149Y108	6,076	94,450	SH	X		01
CARDINAL HEALTH INC	COM	14149Y108	806	12,524	SH		X	01
CAREMARK RX INC	COM	141705103	3,960	79,414	SH	X		01
CAREMARK RX INC	COM	141705103	171	3,434	SH		X	01
CARNIVAL CORP	PAIRED CTF	143658300	438	10,502	SH	X		01
CARNIVAL CORP	PAIRED CTF	143658300	360	8,615	SH		X	01
CASEYS GEN STORES INC	COM	147528103	518	20,750	SH	X		01
CASEYS GEN STORES INC	COM	147528103	86	3,450	SH		X	01
CATERPILLAR INC DEL	COM	149123101	18,571	249,357	SH	X		01
CATERPILLAR INC DEL	COM	149123101	3,869	51,946	SH		X	01
CBeyond COMMUNICATIONS	COM	149847105	2,624	120,330	SH	X		01
CELGENE CORP	COM	151020104	1,978	41,708	SH	X		01
CELGENE CORP	COM	151020104	34	715	SH		X	01
CEMEX S A	SPON ADR 5 ORD	151290889	193	3,391	SH	X		01
CEMEX S A	SPON ADR 5 ORD	151290889	119	2,084	SH		X	01
CENDANT CORP	COM	151313103	5,199	319,205	SH	X		01
CENDANT CORP	COM	151313103	21	1,288	SH		X	01
CENTENNIAL BK HLDGS INC	COM	151345303	116	11,190	SH		X	01
CENTERPOINT ENERGY INC	COM	15189T107	2,918	233,471	SH	X		01
CENTERPOINT ENERGY INC	COM	15189T107	15	1,219	SH		X	01
CENTEX CORP	COM	152312104	258	5,136	SH	X		01
CENTEX CORP	COM	152312104	5	101	SH		X	01
CENTRAL EUROPEAN DIST	COM	153435102	1,492	59,315	SH	X		01
CENTRAL FD CDA LTD	CL A	153501101	86	10,000	SH	X		01

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

CENTRAL FD CDA LTD	CL A	153501101	2	200	SH		X	01
CENTRAL GARDEN & PET CO	COM	153527106	2,633	61,168	SH	X		01
CEPHALON INC	COM	156708109	1,095	18,223	SH	X		01
CENVEO INC	COM	15670S105	190	10,600	SH	X		01
CHECKPOINT SYS INC	COM	162825103	353	15,907	SH	X		01
CHESAPEAKE ENERGY CORP	COM	165167107	2,544	84,101	SH	X		01
CHESAPEAKE ENERGY CORP	COM	165167107	61	2,000	SH		X	01
CHEVRON CORP NEW	COM	166764100	48,141	775,732	SH	X		01
CHEVRON CORP NEW	COM	166764100	4,816	77,623	SH		X	010
CHICAGO MERCANTILE HLDG	CL A	167760107	2,552	5,196	SH	X		01
CHICAGO MERCANTILE HLDG	CL A	167760107	219	446	SH		X	01
CHICOS FAS INC	COM	168615102	277	10,260	SH	X		01
CHICOS FAS INC	COM	168615102	11	395	SH		X	01
CHUBB CORP	COM	171232101	15,949	319,624	SH	X		01
CHUBB CORP	COM	171232101	557	11,163	SH		X	010
CHUNGHWA TELECOM CO LTD	SPONSORED ADR	17133Q205	758	41,049	SH		X	01
CIENA CORP	COM	171779101	1,392	289,366	SH	X		01
CINCINNATI FINL CORP	COM	172062101	1,493	31,753	SH	X		01
CINCINNATI FINL CORP	COM	172062101	37	780	SH		X	010
CIRCUIT CITY STORE INC	COM	172737108	229	8,398	SH	X		01
CIRCUIT CITY STORE INC	COM	172737108	1	38	SH		X	01
CIRRUS LOGIC INC	COM	172755100	1,952	239,864	SH	X		01
CISCO SYS INC	COM	17275R102	25,064	1,283,411	SH	X		01
CISCO SYS INC	COM	17275R102	2,497	127,862	SH		X	010
CINTAS CORP	COM	172908105	466	11,750	SH	X		01
CINTAS CORP	COM	172908105	18	450	SH		X	01
CITIGROUP INC	COM	172967101	59,831	1,240,020	SH	X		01
CITIGROUP INC	COM	172967101	5,748	119,121	SH		X	010
CITIZENS COMMUNICATNS	COM	17453B101	11,754	900,712	SH	X		01
CITIZENS COMMUNICATNS	COM	17453B101	5	415	SH		X	01
CITRIX SYS INC	COM	177376100	916	22,854	SH	X		01
CITRIX SYS INC	COM	177376100	19	481	SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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
CLARCOR INC	COM	179895107	18	618	SH	X		01
CLARCOR INC	COM	179895107	417	14,000	SH		X	01
CLEAR CHANNEL CMMNCTN	COM	184502102	14,130	456,551	SH	X		01
CLEAR CHANNEL CMMNCTN	COM	184502102	39	1,256	SH		X	01
CLOROX CO DEL	COM	189054109	1,152	18,892	SH	X		01
CLOROX CO DEL	COM	189054109	628	10,310	SH		X	01
COACH INC	COM	189754104	5,543	185,387	SH	X		01
COACH INC	COM	189754104	314	10,497	SH		X	01
COCA COLA CO	COM	191216100	18,460	429,106	SH	X		01
COCA COLA CO	COM	191216100	4,441	103,237	SH		X	010

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

COCA COLA ENTERPRISES	COM	191219104	14,124	693,441	SH	X		01
COCA COLA ENTERPRISES	COM	191219104	22	1094	SH		X	01
COGNIZANT TECHN LGY SLTN	CL A	192446102	2,490	36,958	SH	X		01
COGNIZANT TECHN LGY SLTN	CL A	192446102	103	1,535	SH		X	01
COLDWATER CREEK INC	COM	193068103	4,337	162,073	SH	X		01
COLDWATER CREEK INC	COM	193068103	27	1,000	SH		X	01
COLGATE PALMOLIVE CO	COM	194162103	16,037	267,739	SH	X		01
COLGATE PALMOLIVE CO	COM	194162103	2,322	38,765	SH		X	010
COMCAST CORP NEW	CL A	20030N101	8,884	271,363	SH	X		01
COMCAST CORP NEW	CL A	20030N101	300	9,172	SH		X	01
COMCAST CORP NEW	CL A SPL	20030N200	93	2,867	SH	X		01
COMCAST CORP NEW	CL A SPL	20030N200	587	17,904	SH		X	01
COMERICA INC	COM	200340107	7,832	150,644	SH	X		01
COMERICA INC	COM	200340107	237	4,556	SH		X	010
COMMERCE BANCSHARES INC	COM	200525103	3,822	76,401	SH	X		01
COMMERCE BANCSHARES INC	COM	200525103	1,813	36,237	SH		X	01
COMMERCE GROUP INC	COM	200641108	210	7,110	SH		X	01
COMMUNITY HEALTH SYS	COM	203668108	12,927	351,751	SH	X		01
COMPASS BANCSHARES INC	COM	20449H109	761	13,689	SH	X		01
COMPASS BANCSHARES INC	COM	20449H109	5	81	SH		X	01
COMPUTER SCIENCES CORP	COM	205363104	8,751	180,218	SH	X		01
COMPUTER SCIENCES CORP	COM	205363104	24	490	SH		X	01
CONAGRA FOODS INC	COM	205887102	9,152	413,978	SH	X		01
CONAGRA FOODS INC	COM	205887102	209	9,484	SH		X	010
CONCORDE CAREER COLLGS	COM NEW	20651H201	262	13,725	SH	X		01
CONCUR TECHNOLOGIES INC	COM	206708109	1,690	109,256	SH	X		01
CONOCOPHILLIPS	COM	20825C104	24,259	370,209	SH	X		01
CONOCOPHILLIPS	COM	20825C104	1,365	20,846	SH		X	010
CONSECO INC	COM NEW	208464883	215	9,300	SH	X		01
CONSOLIDATED EDISON INC	COM	209115104	5,600	126,009	SH	X		01
CONSOLIDATED EDISON INC	COM	209115104	199	4,485	SH		X	010
CONSTELLATION ENRGY GRP	COM	210371100	595	10,907	SH	X		01
CONSTELLATION ENRGY GRP	COM	210371100	14	256	SH		X	01
CONTANGO OIL & GAS CO	COM NEW	21075N204	3,885	274,778	SH	X		01
CONVERGYS CORP	COM	212485106	9,765	500,790	SH	X		01
CONVERGYS CORP	COM	212485106	3	200	SH		X	01
CORN PRODS INTL INC	COM	219023108	254	8,298	SH	X		01
CORN PRODS INTL INC	COM	219023108	4	120	SH		X	01
CORNING INC	COM	219350105	2,582	106,772	SH	X		01
CORNING INC	COM	219350105	217	8,984	SH		X	01
CORPORATE EXECUTIVE BRD	COM	21988R102	1,190	11,879	SH	X		01
CORPORATE EXECUTIVE BRD	COM	21988R102	21	211	SH		X	01
COSTCO WHSL CORP NEW	COM	22160K105	1,259	22,040	SH	X		01
COSTCO WHSL CORP NEW	COM	22160K105	299	5,234	SH		X	01
COSTAR GROUP INC	COM	22160N109	1,495	24,980	SH	X		01
COUNTRYWIDE FINANCIAL	COM	222372104	1,869	49,086	SH	X		01
COUNTRYWIDE FINANCIAL	COM	222372104	164	4,313	SH		X	01
COVANCE INC	COM	222816100	2,014	32,902	SH	X		01
COVANCE INC	COM	222816100	19	315	SH		X	01
COVENTRY HEALTH CARE	COM	222862104	1,233	22,438	SH	X		01
COVENTRY HEALTH CARE	COM	222862104	2	30	SH		X	01
CREDIT SUISSE GROUP	SPONSORED ADR	225401108	202	3,605	SH	X		01
CROWN CASTLE INTL CORP	COM	228227104	1,494	43,260	SH	X		01
CROWN CASTLE INTL CORP	COM	228227104	69	2,000	SH		X	01
CUBIST PHARMACEUTICALS	COM	229678107	3,758	149,238	SH	X		01
CUMMINS INC	COM	231021106	12,572	102,838	SH	X		01
CUMMINS INC	COM	231021106	17	139	SH		X	01
CYTEC INDS INC	COM	232820100	219	4,081	SH	X		01
CYTEC INDS INC	COM	232820100	19	363	SH		X	01
CYTYC CORP	COM	232946103	1,486	58,594	SH	X		01
DNP SELECT INCOME FD	COM	23325P104	684	67,093	SH	X		01
DNP SELECT INCOME FD	COM	23325P104	82	8,027	SH		X	01

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

DRS TECHNOLOGIES INC	COM	23330X100	335	6,880	SH	X			01
DRS TECHNOLOGIES INC	COM	23330X100	2	37	SH			X	01
D R HORTON INC	COM	23331A109	794	33,322	SH	X			01
DST SYS INC DEL	COM	233326107	214	3,600	SH	X			01
DTE ENERGY CO	COM	233331107	2,712	66,579	SH	X			01
DTE ENERGY CO	COM	233331107	90	2,200	SH			X	010
DADE BEHRING HLDGS INC	COM	23342J206	1,391	33,397	SH	X			01
DAKTRONICS INC	COM	234264109	1,497	51,848	SH	X			01
DAKTRONICS INC	COM	234264109	17	600	SH			X	01
DANAHER CORP DEL	COM	235851102	2,654	41,274	SH	X			01
DANAHER CORP DEL	COM	235851102	239	3,711	SH			X	01
DARDEN RESTAURANTS INC	COM	237194105	908	23,041	SH	X			01
DARDEN RESTAURANTS INC	COM	237194105	129	3,280	SH			X	01
DAVITA INC	COM	23918K108	1,618	32,556	SH	X			01
DAVITA INC	COM	23918K108	14	290	SH			X	01
DEAN FOODS CO NEW	COM	242370104	239	6,419	SH	X			01
DEERE & CO	COM	244199105	8,486	101,656	SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - - 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	
DEERE & CO	COM	244199105	635	7,603	SH			X	010
DEL MONTE FOODS CO	COM	24522P103	14,003	1,246,910	SH	X			01
DEL MONTE FOODS CO	COM	24522P103	31	2,746	SH			X	01
DELL INC	COM	24702R101	10,859	443,992	SH	X			01
DELL INC	COM	24702R101	936	38,278	SH			X	010
DELPHI FINL GROUP INC	CL A	247131105	1,178	32,392	SH	X			01
DENBURY RES INC	COM NEW	247916208	4,271	134,857	SH	X			01
DENBURY RES INC	COM NEW	247916208	17	540	SH			X	01
DENNYS CORP	COM	24869P104	153	41,400	SH	X			01
DENTSPLY INTL INC NEW	COM	249030107	10,613	175,127	SH	X			01
DENTSPLY INTL INC NEW	COM	249030107	48	800	SH			X	01
DESARROLLADORA HOMEX	SPONSORED ADR	25030W100	1,611	49,091	SH	X			01
DEUTSCHE TELEKOM AG	SPONSORED ADR	251566105	187	11,726	SH	X			01
DEUTSCHE TELEKOM AG	SPONSORED ADR	251566105	21	1,325	SH			X	01
DEVON ENERGY CORP NEW	COM	25179M103	5,193	85,968	SH	X			01
DEVON ENERGY CORP NEW	COM	25179M103	148	2,453	SH			X	01
DIAGEO P L C	SPON ADR NEW	25243Q205	130	1,935	SH	X			01
DIAGEO P L C	SPON ADR NEW	25243Q205	99	1,471	SH			X	01
DIAMONDS TR	UNIT SER 1	252787106	1,076	9,634	SH	X			01
DISNEY WALT CO	COM DISNEY	254687106	12,169	405,644	SH	X			01
DISNEY WALT CO	COM DISNEY	254687106	1,565	52,198	SH			X	01
DITECH NETWORKS INC	COM	25500T108	1,045	119,878	SH	X			01
DOMINION RES INC VA NEW	COM	25746U109	2,269	30,348	SH	X			01
DOMINION RES INC VA NEW	COM	25746U109	293	3,916	SH			X	01
DONNELLEY R R & SONS CO	COM	257867101	2,342	73,328	SH	X			01

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

DONNELLEY R R & SONS CO	COM	257867101	53	1,671	SH		X	010
DOVER CORP	COM	260003108	171	3,460	SH	X		01
DOVER CORP	COM	260003108	385	7,792	SH		X	01
DOW CHEM CO	COM	260543103	7,128	182,640	SH	X		01
DOW CHEM CO	COM	260543103	1,143	29,285	SH		X	010
DOW JONES & CO INC	COM	260561105	1,141	32,581	SH	X		01
DOW JONES & CO INC	COM	260561105	65	1,850	SH		X	010
DU PONT E I DE NEMOURS	COM	263534109	7,359	176,908	SH	X		01
DU PONT E I DE NEMOURS	COM	263534109	1,203	28,939	SH		X	010
DUKE REALTY CORP	COM NEW	264411505	250	7,100	SH	X		01
DUKE REALTY CORP	COM NEW	264411505	36	1,021	SH		X	01
DUKE ENERGY CORP NEW	COM	26441C105	5,895	200,751	SH	X		01
DUKE ENERGY CORP NEW	COM	26441C105	361	12,298	SH		X	010
DUN & BRADSTREET CORP	COM	26483E100	1,848	26,524	SH	X		01
DUN & BRADSTREET CORP	COM	26483E100	7	100	SH		X	01
DYNEGY INC NEW	CL A	26816Q101	55	10,124	SH	X		01
DYNEGY INC NEW	CL A	26816Q101	2	341	SH		X	01
EDP ENERGIAS DE PORTGL	SPONSORED ADR	268353109	440	11,200	SH		X	01
EGL INC	COM	268484102	377	7,513	SH	X		01
E M C CORP MASS	COM	268648102	3,620	329,961	SH	X		01
E M C CORP MASS	COM	268648102	82	7,454	SH		X	01
ENSCO INTL INC	COM	26874Q100	10,263	223,029	SH	X		01
ENSCO INTL INC	COM	26874Q100	1,029	22,355	SH		X	01
ENI S P A	SPONSORED ADR	26874R108	15	252	SH	X		01
ENI S P A	SPONSORED ADR	26874R108	633	10,780	SH		X	01
EOG RES INC	COM	26875P101	4,188	60,407	SH	X		01
EOG RES INC	COM	26875P101	126	1,820	SH		X	01
E TRADE FINANCIAL CORP	COM	269246104	450	19,741	SH	X		01
E TRADE FINANCIAL CORP	COM	269246104	187	8,190	SH		X	01
EASTMAN CHEM CO	COM	277432100	2,148	39,782	SH	X		01
EASTMAN CHEM CO	COM	277432100	55	1,012	SH		X	010
EASTMAN KODAK CO	COM	277461109	1,186	49,932	SH	X		01
EASTMAN KODAK CO	COM	277461109	4	200	SH		X	01
EATON CORP	COM	278058102	2,324	30,816	SH	X		01
EATON CORP	COM	278058102	251	3,332	SH		X	01
EATON VANCE LTD DURTN	COM	27828H105	260	15,000	SH	X		01
EBAY INC	COM	278642103	2,114	72,198	SH	X		01
EBAY INC	COM	278642103	299	10,215	SH		X	01
ECOLAB INC	COM	278865100	2,745	67,649	SH	X		01
ECOLAB INC	COM	278865100	504	12,409	SH		X	01
EDISON INTL	COM	281020107	696	17,844	SH	X		01
EDISON INTL	COM	281020107	51	1316	SH		X	01
EDWARDS AG INC	COM	281760108	4,941	89,330	SH	X		01
EDWARDS AG INC	COM	281760108	5	100	SH		X	01
EDWARDS LIFESCIENCES	COM	28176E108	858	18,904	SH	X		01
EDWARDS LIFESCIENCES	COM	28176E108	32	700	SH		X	01
ELECTRONIC ARTS INC	COM	285512109	4,471	103,892	SH	X		01
ELECTRONIC ARTS INC	COM	285512109	425	9,870	SH		X	010
ELECTRONIC DATA SYS	COM	285661104	1,425	59,247	SH	X		01
ELECTRONIC DATA SYS	COM	285661104	5	215	SH		X	01
ELECTRONICS FOR IMAGING	COM	286082102	9,893	473,823	SH	X		01
EMAGEON INC	COM	29076V109	1,669	114,421	SH	X		01
EMERSON ELEC CO	COM	291011104	10,891	129,951	SH	X		01
EMERSON ELEC CO	COM	291011104	3,892	46,444	SH		X	010
EMPIRE DIST ELEC CO	COM	291641108	1,732	84,339	SH	X		01
EMPIRE DIST ELEC CO	COM	291641108	58	2,825	SH		X	01
ENCANA CORP	COM	292505104	258	4,900	SH	X		01
ENCANA CORP	COM	292505104	155	2,936	SH		X	01
ENEL SOCIETA PER AZIONI	ADR	29265W108	490	11,387	SH		X	01
ENERGY EAST CORP	COM	29266M109	1,303	54,501	SH	X		01
ENERGIZER HLDGS INC	COM	29266R108	122	2,081	SH	X		01
ENERGIZER HLDGS INC	COM	29266R108	516	8,813	SH		X	01

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

ENERPLUS RES FD	UNIT TR G NEW	29274D604	39	700	SH	X		01
ENERPLUS RES FD	UNIT TR G NEW	29274D604	232	4,120	SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
 SECURITIES AND EXCHANGE COMMISSION FORM 13F
 ASSETS AS OF 06/30/2006

- - - - 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
ENERGY CORP NEW	COM	29364G103	2,760	39,017	SH	X		01
ENERGY CORP NEW	COM	29364G103	5	67	SH		X	01
ENTERPRISE PRODS PRTNRS	COM	293792107	324	13,028	SH	X		01
ENTERPRISE PRODS PRTNRS	COM	293792107	17	700	SH		X	01
EQUIFAX INC	COM	294429105	2,961	86,228	SH	X		01
EQUIFAX INC	COM	294429105	15	432	SH		X	01
EQUITY OFFICE PROPRTS	COM	294741103	245	6,699	SH	X		01
EQUITY OFFICE PROPRTS	COM	294741103	38	1,046	SH		X	01
EQUITY RESIDENTIAL	SH BEN INT	29476L107	5,295	118,366	SH	X		01
EQUITY RESIDENTIAL	SH BEN INT	29476L107	113	2,530	SH		X	010
ERICSSON L M TEL CO	ADR B SEK 10	294821608	6,497	196,659	SH	X		01
ERICSSON L M TEL CO	ADR B SEK 10	294821608	586	17,734	SH		X	010
EURO CURRENCY TR	EURO SHS	29871P109	305	2,381	SH		X	01
EURONET WORLDWIDE INC	COM	298736109	2,340	60,996	SH	X		01
EXELON CORP	COM	30161N101	2,598	45,717	SH	X		01
EXELON CORP	COM	30161N101	310	5,457	SH		X	01
EXFO ELECTRO OPTICAL	SUB VTG SHS	302043104	1,182	191,808	SH	X		01
EXPEDITORS INTL WASH	COM	302130109	350	6,250	SH	X		01
EXPEDITORS INTL WASH	COM	302130109	28	500	SH		X	01
EXPLORATION CO	COM NEW	302133202	2,429	227,850	SH	X		01
EXPRESS SCRIPTS INC	COM	302182100	1,897	26,441	SH	X		01
EXPRESS SCRIPTS INC	COM	302182100	79	1,098	SH		X	01
EXXON MOBIL CORP	COM	30231G102	72,827	1,187,087	SH	X		01
EXXON MOBIL CORP	COM	30231G102	20,991	342,147	SH		X	010
FPL GROUP INC	COM	302571104	2,080	50,299	SH	X		01
FPL GROUP INC	COM	302571104	561	13,554	SH		X	01
FTI CONSULTING INC	COM	302941109	1,703	63,613	SH	X		01
FASTENAL CO	COM	311900104	971	24,091	SH	X		01
FASTENAL CO	COM	311900104	52	1,290	SH		X	01
FEDERAL HOME LN MTG	COM	313400301	7,418	130,114	SH	X		01
FEDERAL HOME LN MTG	COM	313400301	929	16,303	SH		X	010
FEDERAL NATL MTG ASSN	COM	313586109	1,893	39,347	SH	X		01
FANNIE MAE	COM	313586109	26	557	SH	X		01
FEDERAL NATL MTG ASSN	COM	313586109	781	16,231	SH		X	01
FEDERAL SIGNAL CORP	COM	313855108	1,528	100,987	SH	X		01
FEDERAL SIGNAL CORP	COM	313855108	82	5,450	SH		X	01
FEDERATED DEPT STORES	COM	31410H101	1,593	43,562	SH	X		01
FEDERATED DEPT STORES	COM	31410H101	117	3,203	SH		X	01
FEDERATED INVS INC PA	CL B	314211103	329	10,456	SH	X		01
FEDERATED INVS INC PA	CL B	314211103	2	67	SH		X	01

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

FEDEX CORP	COM	31428X106	2,905	24,863	SH	X		01
FEDEX CORP	COM	31428X106	556	4,754	SH		X	01
FIDELITY NATL FINL INC	COM	316326107	2,353	60,416	SH	X		01
FIFTH THIRD BANCORP	COM	316773100	11,439	309,580	SH	X		01
FIFTH THIRD BANCORP	COM	316773100	505	13,657	SH		X	010
FIRST AMERN CORP CALIF	COM	318522307	1,539	36,416	SH	X		01
FIRST BUS FINL SVCS INC	COM	319390100	384	16,000	SH	X		01
FIRST DATA CORP	COM	319963104	3,606	80,083	SH	X		01
FIRST DATA CORP	COM	319963104	134	2,986	SH		X	01
FIRST FINL BANCORP OH	COM	320209109	214	14,323	SH	X		01
FIRST HORIZON NATL CORP	COM	320517105	7,115	176,990	SH	X		01
FIRST HORIZON NATL CORP	COM	320517105	153	3,814	SH		X	010
FIRST IND CORP	COM	32054R108	91	3,482	SH	X		01
FIRST IND CORP	COM	32054R108	478	18,361	SH		X	01
1ST SOURCE CORP	COM	336901103	440	13,025	SH	X		01
1ST SOURCE CORP	COM	336901103	1,473	43,540	SH		X	01
FISERV INC	COM	337738108	6,206	136,823	SH	X		01
FISERV INC	COM	337738108	554	12,224	SH		X	01
FIRSTENERGY CORP	COM	337932107	1,216	22,432	SH	X		01
FIRSTENERGY CORP	COM	337932107	12	214	SH		X	01
FISHER SCIENTIFIC INTL	COM NEW	338032204	14,792	202,492	SH	X		01
FISHER SCIENTIFIC INTL	COM NEW	338032204	21	283	SH		X	01
FIVE STAR QUALITY CARE	COM	33832D106	2,294	207,236	SH	X		01
FLORIDA EAST COAST INDS	COM	340632108	209	4,000	SH	X		01
FLUOR CORP NEW	COM	343412102	4,340	46,704	SH	X		01
FLUOR CORP NEW	COM	343412102	13	145	SH		X	01
FORD MTR CO DEL	COM PAR \$0.01	345370860	813	117,373	SH	X		01
FORD MTR CO DEL	COM PAR \$0.01	345370860	236	34,012	SH		X	01
FOREST LABS INC	COM	345838106	229	5,924	SH	X		01
FOREST LABS INC	COM	345838106	444	11,477	SH		X	01
FORMFACTOR INC	COM	346375108	3,679	82,442	SH	X		01
FORTUNE BRANDS INC	COM	349631101	1,510	21,279	SH	X		01
FORTUNE BRANDS INC	COM	349631101	1,065	14,994	SH		X	01
FRANKLIN RES INC	COM	354613101	313	3,611	SH	X		01
FRANKLIN RES INC	COM	354613101	157	1,806	SH		X	01
FREEPOR-T-MCMORAN COPPER	CL B	35671D857	4,418	79,737	SH	X		01
FREEPOR-T-MCMORAN COPPER	CL B	35671D857	21	388	SH		X	01
FREESCALE SEMICONDUCTR	COM CL A	35687M107	1,213	41,816	SH	X		01
FREESCALE SEMICONDUCTR	CL B	35687M206	12,091	411,272	SH	X		01
FREESCALE SEMICONDUCTR	CL B	35687M206	40	1,350	SH		X	01
FRIEDMAN BLLNGS RMSY	CL A	358434108	228	20,821	SH	X		01
FUJI PHOTO FILM LTD	ADR	359586302	169	5,030	SH	X		01
FUJI PHOTO FILM LTD	ADR	359586302	849	25,300	SH		X	01
FURNITURE BRANDS INTL	COM	360921100	13,349	640,553	SH	X		01
GEO GROUP INC	COM	36159R103	303	8,650	SH	X		01
GFI GROUP INC	COM	361652209	4,007	74,266	SH	X		01
GALLAHER GROUP PLC	SPONSORED ADR	363595109	504	8,067	SH	X		01
GALLAHER GROUP PLC	SPONSORED ADR	363595109	483	7,720	SH		X	01
GAMESTOP CORP NEW	CL A	36467W109	1,409	33,550	SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

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

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

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	
GAMESTOP CORP NEW	CL A	36467W109	11	260	SH			X	01
GANNETT INC	COM	364730101	4,541	81,195	SH	X			01
GANNETT INC	COM	364730101	234	4,193	SH			X	010
GAP INC DEL	COM	364760108	793	45,614	SH	X			01
GAP INC DEL	COM	364760108	540	31,012	SH			X	01
GARTNER INC	COM	366651107	154	10,846	SH	X			01
GASCO ENERGY INC	COM	367220100	1,895	436,714	SH	X			01
GEHL CO	COM	368483103	613	24,000	SH			X	01
GENENTECH INC	COM NEW	368710406	3,514	42,954	SH	X			01
GENENTECH INC	COM NEW	368710406	930	11,368	SH			X	01
GENERAL COMMUNICATION	CL A	369385109	272	22,104	SH	X			01
GENERAL DYNAMICS CORP	COM	369550108	3,188	48,712	SH	X			01
GENERAL DYNAMICS CORP	COM	369550108	124	1,888	SH			X	01
GENERAL ELECTRIC CO	COM	369604103	82,238	2,495,125	SH	X			01
GENERAL ELECTRIC CO	COM	369604103	17,339	526,088	SH			X	010
GENERAL MLS INC	COM	370334104	7,492	145,040	SH	X			01
GENERAL MLS INC	COM	370334104	1,098	21,258	SH			X	010
GENERAL MTRS CORP	COM	370442105	1,159	38,943	SH	X			01
GENERAL MTRS CORP	COM	370442105	65	2,181	SH			X	01
GENUINE PARTS CO	COM	372460105	2,820	67,727	SH	X			01
GENUINE PARTS CO	COM	372460105	208	4,993	SH			X	010
GENTIVA HEALTH SERVICES	COM	37247A102	1,693	105,631	SH	X			01
GENWORTH FINL INC	COM CL A	37247D106	2,009	57,685	SH	X			01
GENWORTH FINL INC	COM CL A	37247D106	104	2,997	SH			X	01
GENZYME CORP	COM	372917104	3,090	50,611	SH	X			01
GENZYME CORP	COM	372917104	13	216	SH			X	01
GEVITY HR INC	COM	374393106	196	7,400	SH	X			01
GEVITY HR INC	COM	374393106	10	361	SH			X	01
GILEAD SCIENCES INC	COM	375558103	8,457	142,943	SH	X			01
GILEAD SCIENCES INC	COM	375558103	310	5,243	SH			X	01
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	2,106	37,762	SH	X			01
GLAXOSMITHKLINE PLC	SPONSORED ADR	37733W105	986	17,663	SH			X	01
GOLDEN WEST FINL CORP	COM	381317106	604	8,137	SH	X			01
GOLDEN WEST FINL CORP	COM	381317106	121	1,633	SH			X	01
GOLDMAN SACHS GROUP	COM	38141G104	25,554	169,879	SH	X			01
GOLDMAN SACHS GROUP	COM	38141G104	1,980	13,160	SH			X	010
GOOGLE INC	CL A	38259P508	2,510	5,986	SH	X			01
GOOGLE INC	CL A	38259P508	331	790	SH			X	01
GRAINGER W W INC	COM	384802104	8,015	106,541	SH	X			01
GRAINGER W W INC	COM	384802104	135	1,800	SH			X	01
GRANT PRIDECO INC	COM	38821G101	1,182	26,415	SH	X			01
GRANT PRIDECO INC	COM	38821G101	2	44	SH			X	01
GREAT PLAINS ENERGY	COM	391164100	2,378	85,397	SH	X			01
GREAT PLAINS ENERGY	COM	391164100	93	3,325	SH			X	01
GREATER BAY BANCORP	COM	391648102	106	3,674	SH	X			01
GREATER BAY BANCORP	COM	391648102	288	10,000	SH			X	01
GREENBRIER COS INC	COM	393657101	1,435	43,837	SH	X			01
GREENBRIER COS INC	COM	393657101	11	336	SH			X	01
GTECH HLDGS CORP	COM	400518106	302	8,671	SH	X			01
GTECH HLDGS CORP	COM	400518106	85	2,458	SH			X	01
H & E EQUIPMENT SRVCS	COM	404030108	1,573	53,429	SH	X			01
HCA INC	COM	404119109	1,227	28,439	SH	X			01
HCA INC	COM	404119109	183	4,250	SH			X	01
HSBC HLDGS PLC	SPON ADR NEW	404280406	596	6,751	SH	X			01
HSBC HLDGS PLC	SPON ADR NEW	404280406	807	9,139	SH			X	01

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

HAEMONETICS CORP	COM	405024100	1,558	33,488	SH	X		01
HAEMONETICS CORP	COM	405024100	3	64	SH		X	01
HALLIBURTON CO	COM	406216101	3,480	46,907	SH	X		01
HALLIBURTON CO	COM	406216101	365	4,918	SH		X	01
HARLEY DAVIDSON INC	COM	412822108	11,291	205,703	SH	X		01
HARLEY DAVIDSON INC	COM	412822108	2,206	40,194	SH		X	010
HARMAN INTL INDS INC	COM	413086109	228	2,672	SH	X		01
HARRAHS ENTMT INC	COM	413619107	1,027	14,432	SH	X		01
HARRAHS ENTMT INC	COM	413619107	10	146	SH		X	01
HARRIS CORP DEL	COM	413875105	1,188	28,628	SH	X		01
HARRIS CORP DEL	COM	413875105	30	730	SH		X	01
HARSCO CORP	COM	415864107	1,445	18,530	SH	X		01
HARSCO CORP	COM	415864107	22	284	SH		X	01
HARTFORD FINL SVCS GRP	COM	416515104	10,877	128,573	SH	X		01
HARTFORD FINL SVCS GRP	COM	416515104	289	3,420	SH		X	01
HAWAIIAN ELEC INDSTRS	COM	419870100	241	8,627	SH	X		01
HAWAIIAN ELEC INDSTRS	COM	419870100	43	1,540	SH		X	01
HEAD N V	NY REGISTRY SH	422070102	583	163,965	SH	X		01
HEAD N V	NY REGISTRY SH	422070102	26	7,400	SH		X	01
HEALTHWAYS INC	COM	422245100	1,999	37,982	SH	X		01
HEARTLAND FINL USA INC	COM	42234Q102	323	12,129	SH	X		01
HEINZ H J CO	COM	423074103	4,733	114,831	SH	X		01
HEINZ H J CO	COM	423074103	562	13,624	SH		X	010
HENRY JACK & ASSOC INC	COM	426281101	37	1,886	SH	X		01
HENRY JACK & ASSOC INC	COM	426281101	275	14,000	SH		X	01
HERCULES INC	COM	427056106	1,993	130,636	SH	X		01
HERCULES INC	COM	427056106	2	167	SH		X	01
HERSHEY CO	COM	427866108	807	14,668	SH	X		01
HERSHEY CO	COM	427866108	559	10,161	SH		X	01
HESS CORP	COM	42809H107	5,809	109,909	SH	X		01
HESS CORP	COM	42809H107	13	240	SH		X	01
HEWLETT PACKARD CO	COM	428236103	15,120	477,307	SH	X		01
HEWLETT PACKARD CO	COM	428236103	1,246	39,345	SH		X	01
HILB ROGAL & HOBBS CO	COM	431294107	290	7,777	SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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
HILLENBRAND INDS INC	COM	431573104	1,234	25,465	SH	X		01
HILLENBRAND INDS INC	COM	431573104	96	2,000	SH		X	01
HILTON HOTELS CORP	COM	432848109	1,502	53,106	SH	X		01
HILTON HOTELS CORP	COM	432848109	60	2,139	SH		X	01
HITACHI LIMITED	ADR 10 COM	433578507	203	3,077	SH	X		01
HOLOGIC INC	COM	436440101	2,899	58,750	SH	X		01
HOME DEPOT INC	COM	437076102	13,539	378,319	SH	X		01
HOME DEPOT INC	COM	437076102	1,093	30,553	SH		X	01

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

HONEYWELL INTL INC	COM	438516106	3,612	89,648	SH	X		01
HONEYWELL INTL INC	COM	438516106	707	17,553	SH		X	01
HOSPIRA INC	COM	441060100	1,637	38,141	SH	X		01
HOSPIRA INC	COM	441060100	415	9,657	SH		X	01
HOUSTON EXPL CO	COM	442120101	428	7,000	SH	X		01
HUB GROUP INC	CL A	443320106	2,209	90,061	SH	X		01
HUMANA INC	COM	444859102	2,016	37,539	SH	X		01
HUMANA INC	COM	444859102	23	428	SH		X	01
HUNT J B TRANS SVCS INC	COM	445658107	10,885	436,970	SH	X		01
HUNT J B TRANS SVCS INC	COM	445658107	3	134	SH		X	01
HUNTINGTON BANCSHARES	COM	446150104	1,978	83,889	SH	X		01
HUNTINGTON BANCSHARES	COM	446150104	136	5,772	SH		X	010
HYPERCOM CORP	COM	44913M105	2,258	241,497	SH	X		01
IMS HEALTH INC	COM	449934108	4,526	168,554	SH	X		01
IMS HEALTH INC	COM	449934108	84	3,128	SH		X	01
ISTAR FINL INC	COM	45031U101	654	17,330	SH	X		01
ISTAR FINL INC	COM	45031U101	9	240	SH		X	01
ITT EDUCATIONAL SRVCS	COM	45068B109	361	5,481	SH	X		01
ITT CORP NEW	COM	450911102	9,051	182,848	SH	X		01
ITT CORP NEW	COM	450911102	250	5,058	SH		X	01
ICON PUB LTD CO	SPONSORED ADR	45103T107	1,640	29,655	SH	X		01
ILLINOIS TOOL WKS INC	COM	452308109	6,516	137,187	SH	X		01
ILLINOIS TOOL WKS INC	COM	452308109	2,536	53,379	SH		X	01
ILLUMINA INC	COM	452327109	1,576	53,119	SH	X		01
IMAX CORP	COM	45245E109	1,223	133,531	SH	X		01
IMCLONE SYS INC	COM	45245W109	4,855	125,674	SH	X		01
IMCLONE SYS INC	COM	45245W109	391	10,124	SH		X	010
IMPCO TECHNOLOGIES INC	COM	45255W106	1,012	94,802	SH	X		01
INDUS INTL INC	COM	45578L100	229	80,000	SH	X		01
INFINEON TECHNOLOGIES	SPONSORED ADR	45662N103	145	13,015	SH	X		01
INFINEON TECHNOLOGIES	SPONSORED ADR	45662N103	5	435	SH		X	01
ING GROEP N V	SPONSORED ADR	456837103	221	5,613	SH	X		01
ING GROEP N V	SPONSORED ADR	456837103	562	14,281	SH		X	01
INSITUFORM TECHNOLOGIES	CL A	457667103	1,488	65,065	SH	X		01
INSITUFORM TECHNOLOGIES	CL A	457667103	48	2,125	SH		X	01
INTEGRA LFSCNCS HLDGS	COM NEW	457985208	1,902	49,009	SH	X		01
INTEL CORP	COM	458140100	19,666	1,035,054	SH	X		01
INTEL CORP	COM	458140100	3,801	200,070	SH		X	010
INTERNATIONAL BUS MACHS	COM	459200101	29,026	377,856	SH	X		01
INTERNATIONAL BUS MACHS	COM	459200101	4,029	52,451	SH		X	010
INTERNATIONAL COAL GRP	COM	45928H106	120	16,700	SH	X		01
INTERNATIONAL GAME TECH	COM	459902102	2,997	78,989	SH	X		01
INTERNATIONAL GAME TECH	COM	459902102	14	356	SH		X	01
INTL PAPER CO	COM	460146103	2,664	82,496	SH	X		01
INTL PAPER CO	COM	460146103	367	11,364	SH		X	01
INTERPUBLIC GROUP COS	COM	460690100	9,957	1,192,626	SH	X		01
INTERPUBLIC GROUP COS	COM	460690100	38	4651	SH		X	01
INTRAWEST CORPORATION	COM NEW	460915200	301	9,450	SH	X		01
INTRALASE CORP	COM	461169104	821	49,025	SH	X		01
INTUIT	COM	461202103	1,359	22,456	SH	X		01
INTUIT	COM	461202103	71	1,175	SH		X	01
INVESTTOOLS INC	COM	46145P103	1,558	196,166	SH	X		01
IPASS INC	COM	46261V108	780	139,350	SH	X		01
IPASS INC	COM	46261V108	2	400	SH		X	01
ISHARES INC	MSCI SINGAPORE	464286673	192	21,922	SH	X		01
ISHARES INC	MSCI JAPAN	464286848	293	21,506	SH	X		01
ISHARES INC	MSCI JAPAN	464286848	44	3,225	SH		X	01
ISHARES TR	LRGE GRW INDX	464287119	1,313	22,270	SH	X		01
ISHARES TR	DJ SEL DIV INX	464287168	13,604	215,745	SH	X		01
ISHARES TR	DJ SEL DIV INX	464287168	487	7,720	SH		X	01
ISHARES TR	US TIPS BD FD	464287176	311	3,120	SH	X		01
ISHARES TR	FTSE XNHUA IDX	464287184	439	5,727	SH	X		01

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

ISHARES TR	S&P 500 INDEX	464287200	19,336	151,596	SH	X		01
ISHARES TR	S&P 500 INDEX	464287200	823	6,451	SH		X	01
ISHARES TR	LEHMAN AGG BND	464287226	3,996	41,012	SH	X		01
ISHARES TR	MSCI EMERG MKT	464287234	5,088	54,189	SH	X		01
ISHARES TR	MSCI EMERG MKT	464287234	1,962	20,890	SH		X	01
ISHARES TR	GS CORP BD FD	464287242	2,975	28,750	SH	X		01
ISHARES TR	GS CORP BD FD	464287242	149	1,440	SH		X	01
ISHARES TR	S&P500 GRW	464287309	4,260	72,953	SH	X		01
ISHARES TR	S&P500 GRW	464287309	39	670	SH		X	01
ISHARES TR	S&P 500 VALUE	464287408	3,570	51,955	SH	X		01
ISHARES TR	S&P 500 VALUE	464287408	492	7,156	SH		X	01
ISHARES TR	7-10 YR TRS BD	464287440	305	3,800	SH	X		01
ISHARES TR	MSCI EAFE IDX	464287465	30,208	461,977	SH	X		01
ISHARES TR	MSCI EAFE IDX	464287465	2,957	45,221	SH		X	01
ISHARES TR	RUSSELL MCP VL	464287473	333	2,519	SH	X		01
ISHARES TR	RUSSELL MCP VL	464287473	97	737	SH		X	01
ISHARES TR	RUSSELL MCP GR	464287481	1,155	12,049	SH	X		01
ISHARES TR	RUSSELL MCP GR	464287481	13	131	SH		X	01
ISHARES TR	RUSSELL MIDCAP	464287499	1,530	16,674	SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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 MGRS
ISHARES TR	S&P MIDCAP 400	464287507	15,514	203,075	SH	X		01
ISHARES TR	S&P MIDCAP 400	464287507	980	12,832	SH		X	01
ISHARES TR	CONS SRVC IDX	464287580	426	7,025	SH	X		01
ISHARES TR	RUSSELL1000VAL	464287598	1,237	16,912	SH	X		01
ISHARES TR	RUSSELL1000VAL	464287598	12	164	SH		X	01
ISHARES TR	S&P MC 400 GRW	464287606	966	12,595	SH	X		01
ISHARES TR	RUSSELL1000GRW	464287614	3,278	64,913	SH	X		01
ISHARES TR	RUSSELL 1000	464287622	677	9,802	SH	X		01
ISHARES TR	RUSL 2000 VALU	464287630	1,697	23,458	SH	X		01
ISHARES TR	RUSL 2000 VALU	464287630	227	3,135	SH		X	01
ISHARES TR	RUSL 2000 GROW	464287648	684	9,305	SH	X		01
ISHARES TR	RUSSELL 2000	464287655	13,660	190,452	SH	X		01
ISHARES TR	RUSSELL 2000	464287655	1,180	16,457	SH		X	01
ISHARES TR	S&P MIDCP VALU	464287705	12,879	172,812	SH	X		01
ISHARES TR	S&P MIDCP VALU	464287705	905	12,139	SH		X	01
ISHARES TR	DJ US TELECOMM	464287713	500	19,510	SH	X		01
ISHARES TR	DJ US TELECOMM	464287713	7	260	SH		X	01
ISHARES TR	DJ US TECH SEC	464287721	7,580	159,708	SH	X		01
ISHARES TR	DJ US TECH SEC	464287721	127	2,675	SH		X	01
ISHARES TR	DJ US REAL EST	464287739	50	700	SH	X		01
ISHARES TR	DJ US REAL EST	464287739	285	4,000	SH		X	01
ISHARES TR	DJ US INDUSTRIAL	464287754	457	7,361	SH	X		01
ISHARES TR	DJ US HEALTHCR	464287762	3,096	51,209	SH	X		01

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

ISHARES TR	DJ US HEALTHCR	464287762	75	1,240	SH		X	01
ISHARES TR	DJ US FINL SEC	464287788	744	7,150	SH	X		01
ISHARES TR	DJ US ENERGY	464287796	1,270	13,183	SH	X		01
ISHARES TR	S&P SMLCAP 600	464287804	2,746	44,231	SH	X		01
ISHARES TR	S&P SMLCAP 600	464287804	161	2,593	SH		X	01
ISHARES TR	CONS GOODS IDX	464287812	347	6,500	SH	X		01
ISHARES TR	DJ US BAS MATL	464287838	508	9,089	SH	X		01
ISHARES TR	S&P EURO PLUS	464287861	416	4,558	SH	X		01
ISHARES TR	S&P SMLCP VALU	464287879	4,977	71,661	SH	X		01
ISHARES TR	S&P SMLCP VALU	464287879	563	8,105	SH		X	01
ISHARES TR	LRGE VAL INDX	464288109	1,887	25,700	SH	X		01
ISHARES TR	MID CORE INDX	464288208	1,038	13,879	SH	X		01
ISHARES TR	MID GRWTH INDX	464288307	778	9,680	SH	X		01
ISHARES TR	MID VAL INDEX	464288406	1,868	24,061	SH	X		01
ISHARES TR	MID VAL INDEX	464288406	155	2,000	SH		X	01
ISHARES TR	SMLL CORE INDX	464288505	856	10,867	SH	X		01
ISHARES TR	SMLL GRWTH INDX	464288604	426	6,072	SH	X		01
ISHARES TR	SMLL VAL INDX	464288703	5,548	74,161	SH	X		01
ISHARES TR	MSCI VAL INDX	464288877	948	15,155	SH	X		01
ISHARES TR	MSCI VAL INDX	464288877	18	300	SH		X	01
IVANHOE MINES LTD	COM	46579N103	261	38,217	SH		X	01
JP MORGAN CHASE & CO	COM	46625H100	41,706	993,019	SH	X		01
JP MORGAN CHASE & CO	COM	46625H100	11,215	267,021	SH		X	010
JABIL CIRCUIT INC	COM	466313103	244	9,514	SH	X		01
JABIL CIRCUIT INC	COM	466313103	3	118	SH		X	01
JACOBS ENGR GROUP INC	COM	469814107	2,587	32,486	SH	X		01
JACOBS ENGR GROUP INC	COM	469814107	81	1,020	SH		X	01
JANUS CAP GROUP INC	COM	47102X105	441	24,650	SH	X		01
JAPAN EQUITY FD INC	COM	471057109	520	63,225	SH	X		01
JAPAN EQUITY FD INC	COM	471057109	27	3,300	SH		X	01
JOHNSON & JOHNSON	COM	478160104	35,646	594,892	SH	X		01
JOHNSON & JOHNSON	COM	478160104	7,624	127,244	SH		X	010
JOHNSON CTLS INC	COM	478366107	18,313	222,741	SH	X		01
JOHNSON CTLS INC	COM	478366107	2,263	27,528	SH		X	01
JOHNSON OUTDOORS INC	CL A	479167108	259	15,000	SH	X		01
JOHNSON OUTDOORS INC	CL A	479167108	65	3,800	SH		X	01
JOY GLOBAL INC	COM	481165108	3,107	59,638	SH	X		01
JOY GLOBAL INC	COM	481165108	36	699	SH		X	01
JUNIPER NETWORKS INC	COM	48203R104	1,085	67,849	SH	X		01
JUNIPER NETWORKS INC	COM	48203R104	4	238	SH		X	01
KT CORP	SPONSORED ADR	48268K101	60	2,775	SH	X		01
KT CORP	SPONSORED ADR	48268K101	822	38,331	SH		X	01
K2 INC	COM	482732104	269	24,583	SH	X		01
KADANT INC	COM	48282T104	1,688	73,400	SH	X		01
KB HOME	COM	48666K109	208	4,540	SH	X		01
KB HOME	COM	48666K109	11	232	SH		X	01
KELLOGG CO	COM	487836108	3,095	63,898	SH	X		01
KELLOGG CO	COM	487836108	5,878	121,374	SH		X	010
KELLWOOD CO	COM	488044108	1,213	41,450	SH	X		01
KELLWOOD CO	COM	488044108	57	1,950	SH		X	01
KENEXA CORP	COM	488879107	2,949	92,588	SH	X		01
KENNAMETAL INC	COM	489170100	364	5,840	SH	X		01
KENNAMETAL INC	COM	489170100	108	1,738	SH		X	01
KERR MCGEE CORP	COM	492386107	2,243	32,353	SH	X		01
KERR MCGEE CORP	COM	492386107	304	4,382	SH		X	01
KEYCORP NEW	COM	493267108	9,591	268,835	SH	X		01
KEYCORP NEW	COM	493267108	281	7,867	SH		X	010
KEYSPAN CORP	COM	49337W100	6,013	148,849	SH	X		01
KEYSPAN CORP	COM	49337W100	158	3,904	SH		X	010
KEYSTONE AUTOMOTIVE	COM	49338N109	2,070	49,039	SH	X		01
KIMBALL INTL INC	CL B	494274103	701	35,620	SH	X		01
KIMBALL INTL INC	CL B	494274103	3	200	SH		X	01

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

KIMBERLY CLARK CORP	COM	494368103	14,252	231,001	SH	X		01
KIMBERLY CLARK CORP	COM	494368103	4,827	78,235	SH		X	010
KIMCO REALTY CORP	COM	49446R109	210	5,746	SH	X		01
KIMCO REALTY CORP	COM	49446R109	53	1,450	SH		X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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
KINDER MORGAN ENERGY	UT LTD PARTNER	494550106	244	5,312	SH	X		01
KINDER MORGAN ENERGY	UT LTD PARTNER	494550106	351	7,640	SH		X	01
KINDER MORGAN INC KANS	COM	49455P101	5,612	56,182	SH	X		01
KINDER MORGAN INC KANS	COM	49455P101	98	983	SH		X	010
KING PHARMACEUTICALS	COM	495582108	1,540	90,656	SH	X		01
KING PHARMACEUTICALS	COM	495582108	30	1,760	SH		X	01
KINROSS GOLD CORP	COM NO PAR	496902404	1,167	107,137	SH	X		01
KIRIN BREWERY LTD	SPONSORED ADR	497350306	610	38,973	SH		X	01
KNOT INC	COM	499184109	2,504	119,639	SH	X		01
KOHL'S CORP	COM	500255104	17,351	293,488	SH	X		01
KOHL'S CORP	COM	500255104	2,559	43,283	SH		X	010
KONINKLIJKE AHOLD N V	SPON ADR NEW	500467303	161	18,640	SH	X		01
KONINKLIJKE AHOLD N V	SPON ADR NEW	500467303	8	880	SH		X	01
KONINKLIJKE PHILIPS	NY REG SH NEW	500472303	1,082	34,785	SH	X		01
KONINKLIJKE PHILIPS	NY REG SH NEW	500472303	59	1,925	SH		X	01
KOREA ELECTRIC PWR	SPONSORED ADR	500631106	138	7,300	SH	X		01
KOREA ELECTRIC PWR	SPONSORED ADR	500631106	331	17,476	SH		X	01
KROGER CO	COM	501044101	14,397	658,615	SH	X		01
KROGER CO	COM	501044101	2	80	SH		X	01
L-3 COMMUNICATNS HLDGS	COM	502424104	2,480	32,879	SH	X		01
L-3 COMMUNICATNS HLDGS	COM	502424104	56	747	SH		X	01
LABORATORY CORP AMER	COM NEW	50540R409	636	10,239	SH	X		01
LABORATORY CORP AMER	COM NEW	50540R409	29	463	SH		X	01
LADISH INC	COM NEW	505754200	506	13,500	SH	X		01
LAIDLAW INTL INC	COM	50730R102	228	9,050	SH	X		01
LAM RESEARCH CORP	COM	512807108	1,779	38,079	SH	X		01
LAM RESEARCH CORP	COM	512807108	37	800	SH		X	01
LAS VEGAS SANDS CORP	COM	517834107	198	2,543	SH	X		01
LAS VEGAS SANDS CORP	COM	517834107	3	43	SH		X	01
LAUDER ESTEE COS INC	CL A	518439104	4,537	117,331	SH	X		01
LAUDER ESTEE COS INC	CL A	518439104	595	15,394	SH		X	01
LAWSON PRODS INC	COM	520776105	904	22,950	SH	X		01
LAWSON PRODS INC	COM	520776105	7	200	SH		X	01
LAYNE CHRISTENSEN CO	COM	521050104	601	21,225	SH	X		01
LAYNE CHRISTENSEN CO	COM	521050104	104	3,675	SH		X	01
LEE ENTERPRISES INC	COM	523768109	1,463	54,295	SH	X		01
LEGGETT & PLATT INC	COM	524660107	1,264	50,625	SH	X		01
LEGGETT & PLATT INC	COM	524660107	91	3,675	SH		X	01

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

LEGG MASON INC	COM	524901105	437	4,387	SH	X		01
LEGG MASON INC	COM	524901105	269	2,699	SH		X	01
LEHMAN BROS HLDGS INC	COM	524908100	9,878	151,626	SH	X		01
LEHMAN BROS HLDGS INC	COM	524908100	213	3,265	SH		X	01
LENNAR CORP	CL A	526057104	2,332	52,554	SH	X		01
LENNOX INTL INC	COM	526107107	1,057	39,916	SH	X		01
LEXMARK INTL NEW	CL A	529771107	9,021	161,571	SH	X		01
LEXMARK INTL NEW	CL A	529771107	29	522	SH		X	01
LIBERTY MEDIA HLDG CORP	INT COM SER A	53071M104	27	1,577	SH	X		01
LIBERTY MEDIA HLDG CORP	INT COM SER A	53071M104	162	9,407	SH		X	01
LIFE TIME FITNESS INC	COM	53217R207	5,111	110,456	SH	X		01
LIFE TIME FITNESS INC	COM	53217R207	4	80	SH		X	01
LIFECORE BIOMEDICAL INC	COM	532187101	239	15,200	SH	X		01
LIFETIME BRANDS INC	COM	53222Q103	1,224	56,493	SH	X		01
LIFETIME BRANDS INC	COM	53222Q103	4	197	SH		X	01
LIHIR GOLD LTD	SPONSORED ADR	532349107	2	47	SH	X		01
LIHIR GOLD LTD	SPONSORED ADR	532349107	253	5,694	SH		X	01
LILLY ELI & CO	COM	532457108	15,789	285,678	SH	X		01
LILLY ELI & CO	COM	532457108	15,429	279,156	SH		X	010
LIMITED BRANDS INC	COM	532716107	1,632	63,760	SH	X		01
LIMITED BRANDS INC	COM	532716107	10	410	SH		X	01
LINCOLN NATL CORP IND	COM	534187109	4,501	79,754	SH	X		01
LINCOLN NATL CORP IND	COM	534187109	884	15,665	SH		X	010
LINEAR TECHNOLOGY CORP	COM	535678106	265	7,926	SH	X		01
LINEAR TECHNOLOGY CORP	COM	535678106	216	6,449	SH		X	01
LIZ CLAIBORNE INC	COM	539320101	1,040	28,063	SH	X		01
LIZ CLAIBORNE INC	COM	539320101	38	1,022	SH		X	01
LOCKHEED MARTIN CORP	COM	539830109	16,008	223,139	SH	X		01
LOCKHEED MARTIN CORP	COM	539830109	1,052	14,665	SH		X	010
LOEWS CORP	COM	540424108	358	10,106	SH	X		01
LOEWS CORP	COM	540424108	103	2,909	SH		X	01
LONE STAR STEAKHOUSE	COM	542307103	222	8,475	SH	X		01
LONE STAR STEAKHOUSE	COM	542307103	89	3,400	SH		X	01
LONGVIEW FIBRE CO	COM	543213102	484	25,356	SH	X		01
LOOPNET INC	COM	543524300	1,326	71,268	SH	X		01
LOUISIANA PAC CORP	COM	546347105	1,447	66,081	SH	X		01
LOUISIANA PAC CORP	COM	546347105	8	373	SH		X	01
LOWES COS INC	COM	548661107	8,009	132,011	SH	X		01
LOWES COS INC	COM	548661107	1,023	16,864	SH		X	01
LUCENT TECHNOLOGIES INC	COM	549463107	122	50,313	SH	X		01
LUCENT TECHNOLOGIES INC	COM	549463107	17	6,864	SH		X	01
LYONDELL CHEMICAL CO	COM	552078107	2,476	109,297	SH	X		01
MBIA INC	COM	55262C100	444	7,583	SH	X		01
MBIA INC	COM	55262C100	313	5,353	SH		X	01
MDU RES GROUP INC	COM	552690109	3,822	104,413	SH	X		01
MDU RES GROUP INC	COM	552690109	287	7,840	SH		X	01
MEMC ELECTR MATLS INC	COM	552715104	1,993	53,156	SH	X		01
MEMC ELECTR MATLS INC	COM	552715104	42	1,127	SH		X	01
MGE ENERGY INC	COM	55277P104	1,748	56,113	SH	X		01
MGE ENERGY INC	COM	55277P104	81	2,600	SH		X	01
MGIC INVT CORP WIS	COM	552848103	14,950	230,010	SH	X		01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

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	
MGIC INVT CORP WIS	COM	552848103	350	5,382	SH			X	01
MGM MIRAGE	COM	552953101	1,759	43,106	SH	X			01
MGM MIRAGE	COM	552953101	13	326	SH			X	01
MADISON CLAYMORE CVRD	COM	556582104	176	13,000	SH	X			01
MAGNA INTL INC	CL A	559222401	404	5,610	SH			X	01
MAIDENFORM BRANDS INC	COM	560305104	131	10,605	SH	X			01
MANITOWOC INC	COM	563571108	1,889	42,444	SH	X			01
MANOR CARE INC NEW	COM	564055101	3,430	73,110	SH	X			01
MANOR CARE INC NEW	COM	564055101	31	656	SH			X	010
MANPOWER INC	COM	56418H100	20,489	317,168	SH	X			01
MANPOWER INC	COM	56418H100	361	5,594	SH			X	010
MARATHON OIL CORP	COM	565849106	11,657	139,947	SH	X			01
MARATHON OIL CORP	COM	565849106	406	4,874	SH			X	010
MARCUS CORP	COM	566330106	12	586	SH	X			01
MARCUS CORP	COM	566330106	425	20,350	SH			X	01
MARSH & MCLENNAN COS	COM	571748102	1,821	67,757	SH	X			01
MARSH & MCLENNAN COS	COM	571748102	254	9,450	SH			X	010
MARSHALL & ILSLEY CORP	COM	571834100	215,031	4,701,163	SH	X			01
MARSHALL & ILSLEY CORP	COM	571834100	75,696	1,654,929	SH			X	010
MARRIOTT INTL INC NEW	CL A	571903202	307	8,085	SH	X			01
MARRIOTT INTL INC NEW	CL A	571903202	10	256	SH			X	01
MASCO CORP	COM	574599106	5,608	189,237	SH	X			01
MASCO CORP	COM	574599106	84	2,837	SH			X	010
MASTEC INC	COM	576323109	1,884	142,646	SH	X			01
MASTERCARD INC	COM	57636Q104	1,009	21,019	SH	X			01
MAXIMUS INC	COM	577933104	224	9,685	SH	X			01
MCCLATCHY CO	CL A	579489105	382	9,514	SH	X			01
MCCLATCHY CO	CL A	579489105	9	219	SH			X	010
MCCORMICK & CO INC	COM NON VTG	579780206	401	11,971	SH	X			01
MCCORMICK & CO INC	COM NON VTG	579780206	105	3,142	SH			X	01
MCDONALDS CORP	COM	580135101	10,360	308,369	SH	X			01
MCDONALDS CORP	COM	580135101	1,673	49,825	SH			X	01
MCGRAW HILL COS INC	COM	580645109	5,011	99,762	SH	X			01
MCGRAW HILL COS INC	COM	580645109	543	10,802	SH			X	01
MCKESSON CORP	COM	58155Q103	883	18,692	SH	X			01
MEADWESTVACO CORP	COM	583334107	1,412	50,568	SH	X			01
MEADWESTVACO CORP	COM	583334107	394	14,123	SH			X	010
MEDCO HEALTH SOLUTIONS	COM	58405U102	4,879	85,195	SH	X			01
MEDCO HEALTH SOLUTIONS	COM	58405U102	220	3,849	SH			X	01
MEDIMMUNE INC	COM	584699102	5,289	195,193	SH	X			01
MEDIMMUNE INC	COM	584699102	610	22,493	SH			X	010
MEDTRONIC INC	COM	585055106	15,036	320,483	SH	X			01
MEDTRONIC INC	COM	585055106	1,505	32,070	SH			X	010
MELLON FINL CORP	COM	58551A108	530	15,409	SH	X			01
MELLON FINL CORP	COM	58551A108	25	737	SH			X	01
MERCANTILE BANKSHARES	COM	587405101	34	954	SH	X			01
MERCANTILE BANKSHARES	COM	587405101	428	12,000	SH			X	01
MERCK & CO INC	COM	589331107	16,431	451,056	SH	X			01
MERCK & CO INC	COM	589331107	3,520	96,650	SH			X	010
MEREDITH CORP	COM	589433101	379	7,669	SH	X			01
MEREDITH CORP	COM	589433101	17	341	SH			X	01
MERIDIAN GOLD INC	COM	589975101	2,244	70,837	SH	X			01
MERRILL LYNCH & CO INC	COM	590188108	16,659	239,484	SH	X			01

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

MERRILL LYNCH & CO INC	COM	590188108	126	1,809	SH			X	01
METLIFE INC	COM	59156R108	1,037	20,268	SH	X			01
METLIFE INC	COM	59156R108	74	1,454	SH			X	01
MICROSOFT CORP	COM	594918104	40,475	1,737,137	SH	X			01
MICROSOFT CORP	COM	594918104	5,864	251,682	SH			X	010
MICROCHIP TECHNOLOGY	COM	595017104	1,661	49,512	SH	X			01
MICROCHIP TECHNOLOGY	COM	595017104	3	88	SH			X	01
MICRON TECHNOLOGY INC	COM	595112103	1,192	79,186	SH	X			01
MICROSEMI CORP	COM	595137100	3,073	126,045	SH	X			01
MIDCAP SPDR TR	UNIT SER 1	595635103	7,519	54,028	SH	X			01
MIDCAP SPDR TR	UNIT SER 1	595635103	725	5,212	SH			X	01
MILLER HERMAN INC	COM	600544100	1,067	41,413	SH	X			01
MILLIPORE CORP	COM	601073109	1,498	23,776	SH	X			01
MILLIPORE CORP	COM	601073109	1	11	SH			X	01
MITSUBISHI UFJ FINL GRP	SPONSORED ADR	606822104	100	7,141	SH	X			01
MITSUBISHI UFJ FINL GRP	SPONSORED ADR	606822104	49	3,500	SH			X	01
MODINE MFG CO	COM	607828100	16,877	722,472	SH	X			01
MODINE MFG CO	COM	607828100	434	18,600	SH			X	01
MOLEX INC	COM	608554101	1,346	40,105	SH	X			01
MOLEX INC	COM	608554101	71	2,119	SH			X	01
MOLSON COORS BREWING CO	CL B	60871R209	21,876	322,281	SH	X			01
MOLSON COORS BREWING CO	CL B	60871R209	783	11,532	SH			X	01
MONRO MUFFLER BRAKE INC	COM	610236101	1,522	46,756	SH	X			01
MONSANTO CO NEW	COM	61166W101	1,995	23,693	SH	X			01
MONSANTO CO NEW	COM	61166W101	430	5,111	SH			X	01
MOODYS CORP	COM	615369105	3,715	68,224	SH	X			01
MOODYS CORP	COM	615369105	195	3,583	SH			X	01
MOOG INC	CL A	615394202	2,354	68,804	SH	X			01
MORGAN STANLEY	COM NEW	617446448	21,149	334,589	SH	X			01
MORGAN STANLEY	COM NEW	617446448	1,967	31,124	SH			X	010
MOTOROLA INC	COM	620076109	8,895	441,504	SH	X			01
MOTOROLA INC	COM	620076109	617	30,654	SH			X	01
MURPHY OIL CORP	COM	626717102	3,213	57,513	SH	X			01
MURPHY OIL CORP	COM	626717102	469	8,401	SH			X	010
MYLAN LABS INC	COM	628530107	1,937	96,872	SH	X			01
MYLAN LABS INC	COM	628530107	66	3,325	SH			X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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	INVESTMENT DISCRETION				
					SH/PUT/SOLE PRN CALL (A)	SHR (B)	OTHR (C)	OTHR MGRS	
NBTY INC	COM	628782104	238	9,940	SH	X			01
NII HLDGS INC	CL B NEW	62913F201	2,346	41,616	SH	X			01
NII HLDGS INC	CL B NEW	62913F201	40	715	SH			X	01
NVR INC	COM	62944T105	952	1,937	SH	X			01
NASDAQ 100 TR	UNIT SER 1	631100104	1,176	30,367	SH	X			01
NASDAQ 100 TR	UNIT SER 1	631100104	43	1,109	SH			X	01

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

NATIONAL CITY CORP	COM	635405103	16,409	453,414	SH	X		01
NATIONAL CITY CORP	COM	635405103	470	12,994	SH		X	010
NATIONAL FUEL GAS CO	COM	636180101	947	26,960	SH	X		01
NATIONAL FUEL GAS CO	COM	636180101	23	675	SH		X	01
NATIONAL OILWELL VARCO	COM	637071101	1,810	28,581	SH	X		01
NATIONAL OILWELL VARCO	COM	637071101	68	1,070	SH		X	01
NATIONAL SEMICONDUCTOR	COM	637640103	1,505	63,085	SH	X		01
NATIONAL SEMICONDUCTOR	COM	637640103	351	14,715	SH		X	01
NEKTAR THERAPEUTICS	COM	640268108	1,625	88,625	SH	X		01
NEOWARE INC	COM	64065P102	1,133	92,169	SH	X		01
NETWORK APPLIANCE INC	COM	64120L104	2,367	67,059	SH	X		01
NETWORK APPLIANCE INC	COM	64120L104	15	429	SH		X	01
NEW YORK TIMES CO	CL A	650111107	961	39,150	SH	X		01
NEW YORK TIMES CO	CL A	650111107	20	820	SH		X	010
NEWELL RUBBERMAID INC	COM	651229106	7,131	276,133	SH	X		01
NEWELL RUBBERMAID INC	COM	651229106	368	14,271	SH		X	010
NEWMONT MINING CORP	COM	651639106	933	17,644	SH	X		01
NEWMONT MINING CORP	COM	651639106	182	3,436	SH		X	01
NEWS CORP	CL A	65248E104	2,910	151,739	SH	X		01
NEWS CORP	CL A	65248E104	90	4,700	SH		X	01
NICHOLS-APPLGT CV & INC	COM	65370F101	312	20,000	SH	X		01
NICOR INC	COM	654086107	1,359	32,747	SH	X		01
NICOR INC	COM	654086107	62	1,486	SH		X	010
NIKE INC	CL B	654106103	5,295	65,372	SH	X		01
NIKE INC	CL B	654106103	176	2,178	SH		X	010
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	173	7,065	SH	X		01
NIPPON TELEG & TEL CORP	SPONSORED ADR	654624105	663	27,105	SH		X	01
NISOURCE INC	COM	65473P105	1,224	56,048	SH	X		01
NISOURCE INC	COM	65473P105	159	7,289	SH		X	010
NOKIA CORP	SPONSORED ADR	654902204	1,889	93,297	SH	X		01
NOKIA CORP	SPONSORED ADR	654902204	549	27,115	SH		X	01
NOBLE ENERGY INC	COM	655044105	11,510	245,631	SH	X		01
NOBLE ENERGY INC	COM	655044105	110	2,358	SH		X	01
NORDSTROM INC	COM	655664100	721	19,755	SH	X		01
NORDSTROM INC	COM	655664100	45	1,232	SH		X	01
NORFOLK SOUTHERN CORP	COM	655844108	6,637	124,715	SH	X		01
NORFOLK SOUTHERN CORP	COM	655844108	56	1,046	SH		X	01
NORTEL NETWORKS CORP	COM	656568102	116	51,998	SH	X		01
NORTH FORK BANCORP	COM	659424105	401	13,287	SH	X		01
NORTH FORK BANCORP	COM	659424105	548	18,174	SH		X	01
NORTHERN TR CORP	COM	665859104	7,168	129,634	SH	X		01
NORTHERN TR CORP	COM	665859104	768	13,889	SH		X	010
NORTHROP GRUMMAN CORP	COM	666807102	5,786	90,327	SH	X		01
NORTHROP GRUMMAN CORP	COM	666807102	369	5,758	SH		X	01
NOVAMED INC	COM	66986W108	317	47,000	SH	X		01
NOVARTIS A G	SPONSORED ADR	66987V109	789	14,635	SH	X		01
NOVARTIS A G	SPONSORED ADR	66987V109	392	7,272	SH		X	01
NOVAVAX INC	COM	670002104	760	151,160	SH	X		01
NOVELLUS SYS INC	COM	670008101	9,164	371,032	SH	X		01
NOVELLUS SYS INC	COM	670008101	2	100	SH		X	01
NUANCE COMMUNICATIONS	COM	67020Y100	1,154	114,676	SH	X		01
NUANCE COMMUNICATIONS	COM	67020Y100	28	2,830	SH		X	01
NUCOR CORP	COM	670346105	9,670	178,255	SH	X		01
NUCOR CORP	COM	670346105	19	350	SH		X	01
NUVEEN INSD QUALITY MUN	FDCOM	67062N103	178	12,828	SH	X		01
NVIDIA CORP	COM	67066G104	2,382	111,895	SH	X		01
NVIDIA CORP	COM	67066G104	146	6,874	SH		X	01
NUVASIVE INC	COM	670704105	1,257	68,959	SH	X		01
NUVEEN PFD & CONV INCM	COM SHS	67073D102	154	12,534	SH	X		01
NUVEEN PFD & CONV INCM	COM SHS	67073D102	8	667	SH		X	01
OGE ENERGY CORP	COM	670837103	252	7,200	SH	X		01
NUVEEN INVTS INC	CL A	67090F106	4,135	96,042	SH	X		01

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

NUVEEN MUN VALUE FD INC	COM	670928100	50	5,255	SH	X			01
NUVEEN MUN VALUE FD INC	COM	670928100	119	12,489	SH		X		01
OCCIDENTAL PETE CORP	COM	674599105	6,168	60,158	SH	X			01
OCCIDENTAL PETE CORP	COM	674599105	584	5,695	SH			X	010
ODYSSEY MARINE EXPLRTN	INC	676118102	74	30,000	SH	X			01
OFFICE DEPOT INC	COM	676220106	2,180	57,369	SH	X			01
OFFICE DEPOT INC	COM	676220106	142	3,728	SH			X	01
OFFICEMAX INC DEL	COM	67622P101	415	10,176	SH	X			01
OFFICEMAX INC DEL	COM	67622P101	3	65	SH			X	01
OLD REP INTL CORP	COM	680223104	1,210	56,650	SH	X			01
OLD REP INTL CORP	COM	680223104	8,087	378,446	SH			X	01
OMNICARE INC	COM	681904108	12,371	260,892	SH	X			01
OMNICOM GROUP INC	COM	681919106	597	6,704	SH	X			01
OMNICOM GROUP INC	COM	681919106	19	212	SH			X	01
ON ASSIGNMENT INC	COM	682159108	2,297	249,919	SH	X			01
ONEOK INC NEW	COM	682680103	2,808	82,478	SH	X			01
ONLINE RES CORP	COM	68273G101	1,454	140,628	SH	X			01
OPLINK COMMUNICATIONS	COM NEW	68375Q403	2,101	114,731	SH	X			01
ORACLE CORP	COM	68389X105	10,098	696,944	SH	X			01
ORACLE CORP	COM	68389X105	192	13,263	SH			X	01
OSHKOSH TRUCK CORP	COM	688239201	690	14,519	SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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			OTHER MGRS
						SHR (B)	OTHR (C)	OTHR	
OSHKOSH TRUCK CORP	COM	688239201	2,383	50,156	SH			X	01
PG&E CORP	COM	69331C108	501	12,775	SH	X			01
PG&E CORP	COM	69331C108	116	2,947	SH			X	01
PICO HLDGS INC	COM NEW	693366205	2,156	66,846	SH	X			01
PMC-SIERRA INC	COM	69344F106	160	16,990	SH	X			01
PNC FINL SVCS GROUP INC	COM	693475105	6,310	89,933	SH	X			01
PNC FINL SVCS GROUP INC	COM	693475105	275	3,920	SH			X	010
PPG INDS INC	COM	693506107	2,745	41,594	SH	X			01
PPG INDS INC	COM	693506107	297	4,504	SH			X	010
PPL CORP	COM	69351T106	13,107	405,798	SH	X			01
PPL CORP	COM	69351T106	50	1,561	SH			X	01
PACCAR INC	COM	693718108	323	3,918	SH	X			01
PACCAR INC	COM	693718108	3	41	SH			X	01
PACER INTL INC TENN	COM	69373H106	443	13,591	SH	X			01
PACKAGING CORP AMER	COM	695156109	12,447	565,259	SH	X			01
PANERA BREAD CO	CL A	69840W108	3,365	50,047	SH	X			01
PANERA BREAD CO	CL A	69840W108	19	280	SH			X	01
PAR TECHNOLOGY CORP	COM	698884103	975	76,356	SH	X			01
PAREXEL INTL CORP	COM	699462107	1,597	55,372	SH	X			01
PARKER HANNIFIN CORP	COM	701094104	17,007	219,161	SH	X			01
PARKER HANNIFIN CORP	COM	701094104	410	5,289	SH			X	01

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

PATTERSON COMPANIES INC	COM	703395103	404	11,571	SH	X		01
PATTERSON UTI ENERGY	COM	703481101	3,272	115,573	SH	X		01
PATTERSON UTI ENERGY	COM	703481101	19	680	SH		X	01
PAYCHEX INC	COM	704326107	2,852	73,175	SH	X		01
PAYCHEX INC	COM	704326107	127	3,258	SH		X	01
PEABODY ENERGY CORP	COM	704549104	516	9,252	SH	X		01
PEABODY ENERGY CORP	COM	704549104	164	2,938	SH		X	01
PENGROWTH ENERGY TR	TRUST UNIT A	706902301	699	29,000	SH	X		01
PENGROWTH ENERGY TR	TRUST UNIT A	706902301	24	1,000	SH		X	01
PENN VA CORP	COM	707882106	9	125	SH	X		01
PENN VA CORP	COM	707882106	298	4,268	SH		X	01
PENNEY J C INC	COM	708160106	12,148	179,957	SH	X		01
PENNEY J C INC	COM	708160106	2,182	32,320	SH		X	010
PEOPLES ENERGY CORP	COM	711030106	3,717	103,501	SH	X		01
PEOPLES ENERGY CORP	COM	711030106	92	2,560	SH		X	010
PEPSI BOTTLING GROUP	COM	713409100	288	8,958	SH	X		01
PEPSI BOTTLING GROUP	COM	713409100	5	158	SH		X	01
PEPSICO INC	COM	713448108	26,594	442,946	SH	X		01
PEPSICO INC	COM	713448108	5,299	88,250	SH		X	010
PERKINELMER INC	COM	714046109	283	13,541	SH	X		01
PERKINELMER INC	COM	714046109	11	536	SH		X	01
PEROT SYS CORP	CL A	714265105	217	15,000	SH	X		01
PETROFUND ENERGY TR	TR UNIT	71648W108	525	19,611	SH	X		01
PETROHAWK ENERGY CORP	COM	716495106	113	9,000	SH	X		01
PETROHAWK ENERGY CORP	COM	716495106	14	1,150	SH		X	01
PFIZER INC	COM	717081103	41,298	1,759,636	SH	X		01
PFIZER INC	COM	717081103	5,303	225,970	SH		X	010
PHELPS DODGE CORP	COM	717265102	5,701	69,400	SH	X		01
PHELPS DODGE CORP	COM	717265102	28	346	SH		X	01
PINNACLE WEST CAP CORP	COM	723484101	2,150	53,861	SH	X		01
PINNACLE WEST CAP CORP	COM	723484101	30	755	SH		X	010
PIONEER DRILLING CO	COM	723655106	1,691	109,491	SH	X		01
PIONEER DRILLING CO	COM	723655106	4	272	SH		X	01
PITNEY BOWES INC	COM	724479100	3,589	86,914	SH	X		01
PITNEY BOWES INC	COM	724479100	289	7,008	SH		X	010
PLAINS ALL AMERN PIPELN	UNIT LTD PARTN	726503105	581	13,325	SH	X		01
PLUM CREEK TIMBER CO	COM	729251108	2,653	74,724	SH	X		01
PLUM CREEK TIMBER CO	COM	729251108	839	23,638	SH		X	010
POOL CORPORATION	COM	73278L105	4,196	96,181	SH	X		01
POWELL INDS INC	COM	739128106	668	27,900	SH		X	01
POWERSHARES ETF TRUST	HI YLD EQ DVDN	73935X302	455	31,000	SH	X		01
POWERSHARES ETF TRUST	FTSE RAFI 1000	73935X583	1,577	30,550	SH	X		01
PRAXAIR INC	COM	74005P104	3,733	69,138	SH	X		01
PRAXAIR INC	COM	74005P104	531	9,835	SH		X	01
PRECISION CASTPARTS	COM	740189105	2,322	38,860	SH	X		01
PRECISION CASTPARTS	COM	740189105	50	830	SH		X	01
PRICE T ROWE GROUP INC	COM	74144T108	1,506	39,838	SH	X		01
PRICE T ROWE GROUP INC	COM	74144T108	217	5,748	SH		X	01
PRINCIPAL FINANCIAL GRP	COM	74251V102	1,178	21,183	SH	X		01
PRINCIPAL FINANCIAL GRP	COM	74251V102	156	2,808	SH		X	01
PROCTER & GAMBLE CO	COM	742718109	43,656	785,208	SH	X		01
PROCTER & GAMBLE CO	COM	742718109	9,125	164,122	SH		X	010
PROGRESS ENERGY INC	COM	743263105	14,939	348,503	SH	X		01
PROGRESS ENERGY INC	COM	743263105	339	7,917	SH		X	010
PROGRESSIVE CORP OHIO	COM	743315103	796	30,942	SH	X		01
PROGRESSIVE CORP OHIO	COM	743315103	132	5,127	SH		X	01
PROLIANCE INTL INC	COM	74340R104	665	143,914	SH	X		01
PROLIANCE INTL INC	COM	74340R104	0	94	SH		X	01
PROLOGIS	SH BEN INT	743410102	2,248	43,136	SH	X		01
PROLOGIS	SH BEN INT	743410102	11	219	SH		X	01
PROTECTIVE LIFE CORP	COM	743674103	12,216	262,037	SH	X		01
PROTECTIVE LIFE CORP	COM	743674103	20	420	SH		X	01

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

PRUDENTIAL FINL INC	COM	744320102	1,905	24,528	SH	X			01
PRUDENTIAL FINL INC	COM	744320102	232	2,987	SH			X	01
PSYCHIATRIC SOLUTIONS	COM	74439H108	4,048	141,233	SH	X			01
PSYCHIATRIC SOLUTIONS	COM	74439H108	11	376	SH			X	01
PUBLIC SVC ENTRPRSE GRP	COM	744573106	510	7,715	SH	X			01
PUBLIC SVC ENTRPRSE GRP	COM	744573106	19	291	SH			X	01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - - 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	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION			OTHER MGRS
						SHR (B)	OTHR (C)	OTHR	
PULTE HOMES INC	COM	745867101	198	6,883	SH	X			01
PULTE HOMES INC	COM	745867101	7	243	SH			X	01
QUALCOMM INC	COM	747525103	3,336	83,259	SH	X			01
QUALCOMM INC	COM	747525103	731	18,231	SH			X	01
QUALITY DISTR INC FLA	COM	74756M102	334	25,147	SH	X			01
QUEST DIAGNOSTICS INC	COM	74834L100	2,067	34,488	SH	X			01
QUEST DIAGNOSTICS INC	COM	74834L100	22	362	SH			X	01
QUESTAR CORP	COM	748356102	230	2,856	SH	X			01
QUESTAR CORP	COM	748356102	64	800	SH			X	01
QUICKSILVER RESOURCES	COM	74837R104	818	22,232	SH	X			01
QWEST COMMUNICATIONS	COM	749121109	334	41,371	SH	X			01
QWEST COMMUNICATIONS	COM	749121109	23	2,847	SH			X	01
RPM INTL INC	COM	749685103	37	2,042	SH	X			01
RPM INTL INC	COM	749685103	203	11,250	SH			X	01
RSA SEC INC	COM	749719100	2,253	83,119	SH	X			01
RACKABLE SYS INC	COM	750077109	1,695	42,918	SH	X			01
RADIAN GROUP INC	COM	750236101	633	10,241	SH	X			01
RADIAN GROUP INC	COM	750236101	66	1,071	SH			X	01
RANGE RES CORP	COM	75281A109	1,321	48,600	SH	X			01
RAYONIER INC	COM	754907103	54	1,427	SH	X			01
RAYONIER INC	COM	754907103	277	7,300	SH			X	01
RAYTHEON CO	COM NEW	755111507	1,339	30,066	SH	X			01
RAYTHEON CO	COM NEW	755111507	221	4,961	SH			X	01
READERS DIGEST ASSN	CL A NON VTG	755267101	165	11,875	SH	X			01
READERS DIGEST ASSN	CL A NON VTG	755267101	22	1,600	SH			X	01
REGAL BELOIT CORP	COM	758750103	25,903	586,699	SH	X			01
REGAL BELOIT CORP	COM	758750103	364	8,246	SH			X	01
REHABCARE GROUP INC	COM	759148109	1,019	58,725	SH	X			01
REHABCARE GROUP INC	COM	759148109	5	300	SH			X	01
REGIONS FINANCIAL CORP	COM	7591EP100	11,591	349,996	SH	X			01
REGIONS FINANCIAL CORP	COM	7591EP100	289	8,731	SH			X	010
REPUBLIC SVCS INC	COM	760759100	7,047	174,685	SH	X			01
REPUBLIC SVCS INC	COM	760759100	112	2,770	SH			X	01
RESMED INC	COM	761152107	4,361	92,881	SH	X			01
RESMED INC	COM	761152107	46	983	SH			X	01
REYNOLDS AMERICAN INC	COM	761713106	4,955	42,972	SH	X			01

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

REYNOLDS AMERICAN INC	COM	761713106	57	498	SH		X	01
RIO TINTO PLC	SPONSORED ADR	767204100	357	1,700	SH	X		01
RIO TINTO PLC	SPONSORED ADR	767204100	71	340	SH		X	01
ROBERT HALF INTL INC	COM	770323103	395	9,412	SH	X		01
ROBERT HALF INTL INC	COM	770323103	3	71	SH		X	01
ROCK-TENN CO	CL A	772739207	183	11,491	SH	X		01
ROCKWELL AUTOMATION	COM	773903109	5,633	78,230	SH	X		01
ROCKWELL AUTOMATION	COM	773903109	566	7,864	SH			X 01
ROCKWELL COLLINS INC	COM	774341101	3,465	62,023	SH	X		01
ROCKWELL COLLINS INC	COM	774341101	228	4,080	SH			X 01
ROGERS CORP	COM	775133101	349	6,196	SH	X		01
ROPER INDS INC NEW	COM	776696106	1,749	37,422	SH	X		01
ROPER INDS INC NEW	COM	776696106	3	67	SH			X 01
ROSS STORES INC	COM	778296103	10,762	383,661	SH	X		01
ROWAN COS INC	COM	779382100	202	5,671	SH	X		01
ROWAN COS INC	COM	779382100	2	64	SH			X 01
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	1,561	22,360	SH	X		01
ROYAL DUTCH SHELL PLC	SPON ADR B	780259107	733	10,501	SH			X 010
ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	7,461	111,388	SH	X		01
ROYAL DUTCH SHELL PLC	SPONS ADR A	780259206	1,740	25,971	SH			X 01
RUDOLPH TECHNOLOGIES	COM	781270103	1,903	131,216	SH	X		01
RYDER SYS INC	COM	783549108	218	3,733	SH	X		01
RYDER SYS INC	COM	783549108	9	160	SH			X 01
RYDEX ETF TRUST	S&P 500 EQ TRD	78355W106	436	10,171	SH	X		01
RYDEX ETF TRUST	S&P 500 EQ TRD	78355W106	87	2,029	SH			X 01
SLM CORP	COM	78442P106	629	11,894	SH	X		01
SLM CORP	COM	78442P106	16	299	SH			X 01
SPDR TR	UNIT SER 1	78462F103	29,176	229,315	SH	X		01
SPDR TR	UNIT SER 1	78462F103	2,848	22,387	SH			X 01
SPX CORP	COM	784635104	1,486	26,575	SH	X		01
SPX CORP	COM	784635104	71	1,275	SH			X 01
SVB FINL GROUP	COM	78486Q101	1,640	36,081	SH	X		01
SABRE HLDGS CORP	CL A	785905100	6,927	314,868	SH	X		01
SABRE HLDGS CORP	CL A	785905100	3	125	SH			X 01
SAFECO CORP	COM	786429100	10,508	186,478	SH	X		01
SAFECO CORP	COM	786429100	6	99	SH			X 01
SAFEWAY INC	COM NEW	786514208	237	9,110	SH	X		01
SAFEWAY INC	COM NEW	786514208	13	500	SH			X 01
ST JOE CO	COM	790148100	357	7,675	SH	X		01
ST JUDE MED INC	COM	790849103	418	12,879	SH	X		01
ST JUDE MED INC	COM	790849103	362	11,172	SH			X 01
ST MARY LD & EXPL CO	COM	792228108	7,369	183,069	SH	X		01
ST PAUL TRAVELERS INC	COM	792860108	6,833	153,275	SH	X		01
ST PAUL TRAVELERS INC	COM	792860108	82	1,832	SH			X 01
SAKS INC	COM	79377W108	210	13,000	SH	X		01
SALOMON BROS GLBL HIGH	COM	79550G102	252	20,000	SH	X		01
SANDISK CORP	COM	80004C101	2,363	46,359	SH	X		01
SANDISK CORP	COM	80004C101	114	2,242	SH			X 01
SANOFI AVENTIS	SPONSORED ADR	80105N105	5,006	102,799	SH	X		01
SANOFI AVENTIS	SPONSORED ADR	80105N105	293	6,020	SH			X 010
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	923	17,566	SH	X		01
SAP AKTIENGESELLSCHAFT	SPONSORED ADR	803054204	204	3,880	SH			X 01
SARA LEE CORP	COM	803111103	7,432	463,969	SH	X		01

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

SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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)	
SARA LEE CORP	COM	803111103	600	37,504	SH		X	010
SATYAM COMPUTER SRVCS	ADR	804098101	470	14,195	SH	X		01
SATYAM COMPUTER SRVCS	ADR	804098101	146	4,400	SH		X	01
SCANA CORP NEW	COM	80589M102	234	6,077	SH	X		01
SCANA CORP NEW	COM	80589M102	18	475	SH		X	01
SCHERING PLOUGH CORP	COM	806605101	1,309	68,818	SH	X		01
SCHERING PLOUGH CORP	COM	806605101	153	8,054	SH		X	01
SCHLUMBERGER LTD	COM	806857108	10,538	161,855	SH	X		01
SCHLUMBERGER LTD	COM	806857108	1,255	19,289	SH		X	010
SCHWAB CHARLES CORP	COM	808513105	1,051	65,772	SH	X		01
SCHWAB CHARLES CORP	COM	808513105	32	2,000	SH		X	01
SCIENTIFIC GAMES CORP	CL A	80874P109	5,203	146,061	SH	X		01
SEALED AIR CORP NEW	COM	81211K100	12,765	245,119	SH	X		01
SEALED AIR CORP NEW	COM	81211K100	94	1,805	SH		X	01
SEARS HLDGS CORP	COM	812350106	2,449	15,769	SH	X		01
SEARS HLDGS CORP	COM	812350106	32	206	SH		X	01
SELECT SECTOR SPDR TR	SBI HEALTHCARE	81369Y209	226	7,472	SH	X		01
SELECT SECTOR SPDR TR	SBI HEALTHCARE	81369Y209	7	240	SH		X	01
SELECT SECTOR SPDR TR	SBI INT-TECH	81369Y803	537	26,426	SH	X		01
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	165	5,113	SH	X		01
SELECT SECTOR SPDR TR	SBI INT-UTILS	81369Y886	47	1,461	SH		X	01
SEMPRA ENERGY	COM	816851109	322	7,099	SH	X		01
SEMPRA ENERGY	COM	816851109	95	2,081	SH		X	01
SENSIENT TECHNOLOGIES	COM	81725T100	808	38,698	SH	X		01
SENSIENT TECHNOLOGIES	COM	81725T100	246	11,750	SH		X	01
SEPRACOR INC	COM	817315104	1,445	25,298	SH	X		01
SERVICEMASTER CO	COM	81760N109	86	8,300	SH	X		01
SERVICEMASTER CO	COM	81760N109	36	3,475	SH		X	01
SHERWIN WILLIAMS CO	COM	824348106	13,966	294,142	SH	X		01
SHERWIN WILLIAMS CO	COM	824348106	27	568	SH		X	01
SIEMENS A G	SPONSORED ADR	826197501	188	2,167	SH	X		01
SIEMENS A G	SPONSORED ADR	826197501	532	6,125	SH		X	01
SIGMA ALDRICH CORP	COM	826552101	1,771	24,389	SH	X		01
SIGMA ALDRICH CORP	COM	826552101	155	2,147	SH		X	01
SILICON MOTN TECHNOLOGY	SPONSORED ADR	82706C108	2,192	152,830	SH	X		01
SIMON PPTY GROUP INC	COM	828806109	5,416	65,299	SH	X		01
SIMON PPTY GROUP INC	COM	828806109	359	4,324	SH		X	010
SINCLAIR BROADCAST GRP	CL A	829226109	143	16,650	SH	X		01
SIRIUS SATELLITE RADIO	COM	82966U103	48	10,100	SH	X		01
SIRIUS SATELLITE RADIO	COM	82966U103	19	4,000	SH		X	01
SKYWORKS SOLUTIONS INC	COM	83088M102	91	16,525	SH	X		01
SMITH A O	COM	831865209	41	888	SH	X		01
SMITH A O	COM	831865209	301	6,500	SH		X	01
SMITH INTL INC	COM	832110100	214	4,814	SH	X		01
SMUCKER J M CO	COM NEW	832696405	25	549	SH	X		01
SMUCKER J M CO	COM NEW	832696405	316	7,070	SH		X	01
SNAP ON INC	COM	833034101	14,590	360,981	SH	X		01
SNAP ON INC	COM	833034101	461	11,425	SH		X	01
SONOSITE INC	COM	83568G104	1,609	41,215	SH	X		01
SONY CORP	ADR NEW	835699307	2,085	47,345	SH	X		01
SONY CORP	ADR NEW	835699307	77	1,756	SH		X	01

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

SOUTHERN CO	COM	842587107	5,342	166,697	SH	X			01
SOUTHERN CO	COM	842587107	517	16,142	SH			X	010
SOUTHWEST AIRLS CO	COM	844741108	696	42,545	SH	X			01
SOUTHWEST AIRLS CO	COM	844741108	3	200	SH			X	01
SOUTHWESTERN ENERGY CO	COM	845467109	439	14,095	SH	X			01
SOVEREIGN BANCORP INC	COM	845905108	615	30,317	SH	X			01
SOVEREIGN BANCORP INC	COM	845905108	0	0	SH			X	01
SPECTRANETICS CORP	COM	84760C107	1,274	118,797	SH	X			01
SPRINT NEXTEL CORP	COM FON	852061100	4,274	213,863	SH	X			01
SPRINT NEXTEL CORP	COM FON	852061100	300	15,079	SH			X	01
STAPLES INC	COM	855030102	1,854	76,197	SH	X			01
STAPLES INC	COM	855030102	279	11,464	SH			X	01
STARBUCKS CORP	COM	855244109	2,403	63,638	SH	X			01
STARBUCKS CORP	COM	855244109	1,104	29,232	SH			X	01
STATE AUTO FINL CORP	COM	855707105	278	8,557	SH	X			01
STARWOOD HOTELS&RSRTS	COM	85590A401	2,033	33,694	SH	X			01
STARWOOD HOTELS&RSRTS	COM	85590A401	5	90	SH			X	01
STATE STR CORP	COM	857477103	11,960	205,901	SH	X			01
STATE STR CORP	COM	857477103	148	2,554	SH			X	01
STATION CASINOS INC	COM	857689103	1,106	16,241	SH	X			01
STATION CASINOS INC	COM	857689103	3	50	SH			X	01
STERICYCLE INC	COM	858912108	209	3,214	SH	X			01
STERICYCLE INC	COM	858912108	36	552	SH			X	01
STMICROELECTRONICS N V	NY REGISTRY	861012102	801	49,900	SH	X			01
STORA ENSO CORP	SPON ADR REP R	86210M106	1,025	73,320	SH	X			01
STORA ENSO CORP	SPON ADR REP R	86210M106	587	41,991	SH			X	01
STRYKER CORP	COM	863667101	616	14,640	SH	X			01
STRYKER CORP	COM	863667101	598	14,193	SH			X	01
SUN MICROSYSTEMS INC	COM	866810104	245	59,036	SH	X			01
SUN MICROSYSTEMS INC	COM	866810104	35	8,400	SH			X	01
SUNCOR ENERGY INC	COM	867229106	2,125	26,236	SH	X			01
SUNCOR ENERGY INC	COM	867229106	572	7,057	SH			X	01
SUNOCO INC	COM	86764P109	851	12,275	SH	X			01
SUNOCO INC	COM	86764P109	154	2,222	SH			X	01
SUNRISE SENIOR LIVING	COM	86768K106	2,033	73,540	SH	X			01
SUNTRUST BKS INC	COM	867914103	1,118	14,657	SH	X			01
SUNTRUST BKS INC	COM	867914103	37	483	SH			X	01
SUPERIOR ENERGY SVCS	COM	868157108	2,003	59,089	SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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 (D)	OTHR (E)
SUPERVALU INC	COM	868536103	464	15,119	SH	X			01
SUPERVALU INC	COM	868536103	21	670	SH			X	010
SURMODICS INC	COM	868873100	223	6,167	SH	X			01
SWISSCOM AG	SPONSORED ADR	871013108	137	4,165	SH	X			01

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

SWISSCOM AG	SPONSORED ADR	871013108	644	19,543	SH		X	01
SYCAMORE NETWORKS INC	COM	871206108	62	15,175	SH	X		01
SYMANTEC CORP	COM	871503108	256	16,503	SH	X		01
SYMANTEC CORP	COM	871503108	214	13,791	SH		X	01
SYNOPSYS INC	COM	871607107	11,231	598,350	SH	X		01
SYNOVUS FINL CORP	COM	87161C105	3,305	123,430	SH	X		01
SYNOVUS FINL CORP	COM	87161C105	248	9,279	SH		X	01
SYSCO CORP	COM	871829107	2,123	69,472	SH	X		01
SYSCO CORP	COM	871829107	1,017	33,264	SH		X	010
TCF FINL CORP	COM	872275102	2,498	94,431	SH	X		01
TCF FINL CORP	COM	872275102	8	320	SH		X	01
TECO ENERGY INC	COM	872375100	2,554	171,015	SH	X		01
TECO ENERGY INC	COM	872375100	23	1,550	SH		X	01
TJX COS INC NEW	COM	872540109	2,084	91,178	SH	X		01
TJX COS INC NEW	COM	872540109	26	1,155	SH		X	01
TNT N V	SPONSORED ADR	87260W101	381	10,643	SH		X	01
TXU CORP	COM	873168108	2,734	45,746	SH	X		01
TXU CORP	COM	873168108	81	1,352	SH		X	01
TALISMAN ENERGY INC	COM	87425E103	827	47,307	SH	X		01
TALISMAN ENERGY INC	COM	87425E103	130	7,420	SH		X	01
TARGET CORP	COM	87612E106	6,945	142,115	SH	X		01
TARGET CORP	COM	87612E106	2,199	45,007	SH		X	01
TECHNE CORP	COM	878377100	58	1,138	SH	X		01
TECHNE CORP	COM	878377100	274	5,385	SH		X	01
TEKELEC	COM	879101103	141	11,400	SH	X		01
TEKELEC	COM	879101103	7	591	SH		X	01
TEKTRONIX INC	COM	879131100	1,169	39,733	SH	X		01
TEKTRONIX INC	COM	879131100	6	205	SH		X	01
TELECOM CORP NEW ZLND	SPONSORED ADR	879278208	747	37,585	SH	X		01
TELECOM CORP NEW ZLND	SPONSORED ADR	879278208	31	1,575	SH		X	01
TELECOM ITALIA S P A	SPON ADR SVGS	87927Y201	889	34,589	SH		X	01
TELEFONICA S A	SPONSORED ADR	879382208	230	4,629	SH	X		01
TELEFONICA S A	SPONSORED ADR	879382208	6	111	SH		X	01
TELLABS INC	COM	879664100	394	29,610	SH	X		01
TELLABS INC	COM	879664100	3	250	SH		X	01
TEMPLE INLAND INC	COM	879868107	290	6,779	SH	X		01
TEMPLE INLAND INC	COM	879868107	314	7,332	SH		X	01
TEVA PHARMACEUTCL INDS	ADR	881624209	1,289	40,825	SH	X		01
TEVA PHARMACEUTCL INDS	ADR	881624209	407	12,887	SH		X	01
TEXAS INSTRS INC	COM	882508104	7,401	244,347	SH	X		01
TEXAS INSTRS INC	COM	882508104	816	26,952	SH		X	01
TEXAS ROADHOUSE INC	CL A	882681109	1,260	93,160	SH	X		01
TEXTRON INC	COM	883203101	1,986	21,548	SH	X		01
TEXTRON INC	COM	883203101	3	33	SH		X	01
THERMO ELECTRON CORP	COM	883556102	592	16,322	SH	X		01
THERMO ELECTRON CORP	COM	883556102	15	406	SH		X	01
THIRD WAVE TECHNOLOGIES	COM	88428W108	3	1,000	SH	X		01
THIRD WAVE TECHNOLOGIES	COM	88428W108	60	20,000	SH		X	01
THOMAS & BETTS CORP	COM	884315102	1,374	26,775	SH	X		01
THOMAS & BETTS CORP	COM	884315102	31	600	SH		X	01
3M CO	COM	88579Y101	30,949	383,186	SH	X		01
3M CO	COM	88579Y101	6,303	78,044	SH		X	010
TIFFANY & CO NEW	COM	886547108	425	12,857	SH	X		01
TIFFANY & CO NEW	COM	886547108	10	298	SH		X	01
TIME WARNER INC	COM	887317105	9,913	573,087	SH	X		01
TIME WARNER INC	COM	887317105	967	55,957	SH		X	010
TOMKINS PLC	SPONSORED ADR	890030208	365	16,948	SH		X	01
TORCHMARK CORP	COM	891027104	612	10,083	SH	X		01
TORCHMARK CORP	COM	891027104	16	271	SH		X	01
TOREADOR RES CORP	COM	891050106	2,334	82,970	SH	X		01
TOTAL S A	SPONSORED ADR	89151E109	67	1,019	SH	X		01
TOTAL S A	SPONSORED ADR	89151E109	424	6,476	SH		X	01

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

TOWER GROUP INC	COM	891777104	2,524	83,432	SH	X			01
TOWER GROUP INC	COM	891777104	7	230	SH			X	01
TRAMMELL CROW CO	COM	89288R106	1,710	48,635	SH	X			01
TRANSACTN SYS ARCHTCTS	COM	893416107	7,068	169,548	SH	X			01
TRANSDIGM GROUP INC	COM	893641100	1,782	74,404	SH	X			01
TRIDENT MICROSYSTEMS	COM	895919108	1,426	75,130	SH	X			01
TRIAD GTY INC	COM	895925105	1,240	25,370	SH	X			01
TRIBUNE CO NEW	COM	896047107	10,210	314,833	SH	X			01
TRIBUNE CO NEW	COM	896047107	39	1,205	SH			X	010
TUPPERWARE BRANDS CORP	COM	899896104	151	7,711	SH	X			01
TUPPERWARE BRANDS CORP	COM	899896104	538	27,325	SH			X	01
24/7 REAL MEDIA INC	COM NEW	901314203	1,474	167,934	SH	X			01
TYCO INTL LTD NEW	COM	902124106	2,868	104,305	SH	X			01
TYCO INTL LTD NEW	COM	902124106	678	24,653	SH			X	01
UGI CORP NEW	COM	902681105	273	11,084	SH	X			01
UST INC	COM	902911106	7,275	160,978	SH	X			01
UST INC	COM	902911106	167	3,690	SH			X	01
US BANCORP DEL	COM NEW	902973304	28,650	927,803	SH	X			01
US BANCORP DEL	COM NEW	902973304	4,474	144,889	SH			X	010
USI HLDGS CORP	COM	90333H101	1,464	109,186	SH	X			01
U S AIRWAYS GROUP INC	COM	90341W108	1,257	24,878	SH	X			01
ULTIMATE SOFTWARE GROUP	COM	90385D107	938	48,977	SH	X			01
UNILEVER N V	N Y SHS NEW	904784709	269	11,940	SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - - 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	SH/PUT/SOLE PRN CALL (A)	INVESTMENT DISCRETION			
						SHR (B)	OTHR (C)	OTHR MGRS	
UNILEVER N V	N Y SHS NEW	904784709	32	1,410	SH			X	01
UNION PAC CORP	COM	907818108	2,958	31,832	SH	X			01
UNION PAC CORP	COM	907818108	518	5,575	SH			X	01
UNIT CORP	COM	909218109	897	15,761	SH	X			01
UNIT CORP	COM	909218109	2	35	SH			X	01
UNITED AMER INDEMNITY	CL A	90933T109	219	10,490	SH	X			01
UNITED AMER INDEMNITY	CL A	90933T109	7	315	SH			X	01
UNITED MICROELECTRONICS	SPONSORED ADR	910873207	55	17,758	SH	X			01
UNITED PARCEL SERVICE	CL B	911312106	12,900	156,695	SH	X			01
UNITED PARCEL SERVICE	CL B	911312106	970	11,782	SH			X	01
UNITED STATES CELLULAR	COM	911684108	208	3,432	SH	X			01
UNITED STATES CELLULAR	COM	911684108	21	350	SH			X	01
UNITED STATES STL CORP	COM	912909108	1,407	20,074	SH	X			01
UNITED STATES STL CORP	COM	912909108	14	200	SH			X	01
UNITED TECHNOLOGIES	COM	913017109	8,189	129,129	SH	X			01
UNITED TECHNOLOGIES	COM	913017109	2,093	33,001	SH			X	01
UNITED UTILS PLC	SPONSORED ADR	91311Q105	511	21,535	SH			X	01
UNITEDHEALTH GROUP INC	COM	91324P102	2,155	48,122	SH	X			01
UNITEDHEALTH GROUP INC	COM	91324P102	415	9,272	SH			X	01

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

UNIVISION COMMUNICATNS	CL A	914906102	3,906	116,586	SH	X		01
UNIVISION COMMUNICATNS	CL A	914906102	8	235	SH		X	01
UNUMPROVIDENT CORP	COM	91529Y106	215	11,872	SH	X		01
V F CORP	COM	918204108	1,803	26,542	SH	X		01
V F CORP	COM	918204108	2	35	SH		X	01
VALERO ENERGY CORP NEW	COM	91913Y100	7,104	106,798	SH	X		01
VALERO ENERGY CORP NEW	COM	91913Y100	187	2,813	SH		X	01
VALSPAR CORP	COM	920355104	9,152	346,545	SH	X		01
VAN KAMPEN TR INVT GRD	COM	920929106	285	19,985	SH	X		01
VAN KAMPEN TR INVT GRD	COM	920929106	470	33,000	SH		X	01
VAN KAMPEN MUN OPP TR	COM	920935103	376	26,710	SH	X		01
VAN KAMPEN MUN OPP TR	COM	920935103	465	33,000	SH		X	01
VAN KAMPEN ADVNTG MUN	SH BEN INT	92112K107	127	10,216	SH	X		01
VAN KAMPEN ADVNTG MUN	SH BEN INT	92112K107	9	717	SH		X	01
VANGUARD INTL EQTY INDX	EURO VIPERS	922042874	253	4,231	SH	X		01
VANGUARD SECTOR INDEX	HTH CARE VIPER	92204A504	705	13,486	SH	X		01
VARIAN SEMICNDCTR EQPMN	COM	922207105	547	16,779	SH	X		01
VARIAN SEMICNDCTR EQPMN	COM	922207105	9	276	SH		X	01
VASCO DATA SEC INTL	COM	92230Y104	1,654	198,043	SH	X		01
VECTREN CORP	COM	92240G101	316	11,595	SH	X		01
VECTREN CORP	COM	92240G101	202	7,428	SH		X	01
VANGUARD INDEX FDS	SM CP VAL ETF	922908611	3,027	46,160	SH	X		01
VANGUARD INDEX FDS	EXT MKT VIPERS	922908652	340	3,573	SH	X		01
VANGUARD INDEX FDS	VALUE VIPERS	922908744	1,069	17,780	SH	X		01
VANGUARD INDEX FDS	STK MRK ETF	922908769	1,435	11,360	SH	X		01
VANGUARD INDEX FDS	STK MRK ETF	922908769	379	3,000	SH		X	01
VERIFONE HLDGS INC	COM	92342Y109	3,379	110,847	SH	X		01
VERIFONE HLDGS INC	COM	92342Y109	3	105	SH		X	01
VERIZON COMMUNICATIONS	COM	92343V104	41,313	1,233,646	SH	X		01
VERIZON COMMUNICATIONS	COM	92343V104	3,328	99,405	SH		X	010
VERTEX PHARMACEUTICALS	COM	92532F100	1,212	33,009	SH	X		01
VERTEX PHARMACEUTICALS	COM	92532F100	4	100	SH		X	01
VIACOM INC NEW	CL B	92553P201	866	24,165	SH	X		01
VIACOM INC NEW	CL B	92553P201	340	9,494	SH		X	01
VISICU INC	COM	92831L204	888	50,323	SH	X		01
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	395	18,567	SH	X		01
VODAFONE GROUP PLC NEW	SPONSORED ADR	92857W100	736	34,571	SH		X	01
VORNADO RLTY TR	SH BEN INT	929042109	1,503	15,410	SH	X		01
VORNADO RLTY TR	SH BEN INT	929042109	202	2,070	SH		X	010
VULCAN MATLS CO	COM	929160109	257	3,292	SH	X		01
VULCAN MATLS CO	COM	929160109	74	950	SH		X	01
WPP GROUP PLC	SPON ADR 0905	929309409	201	3,327	SH	X		01
WPS RESOURCES CORP	COM	92931B106	1,756	35,422	SH	X		01
WPS RESOURCES CORP	COM	92931B106	454	9,150	SH		X	01
WACHOVIA CORP 2ND NEW	COM	929903102	16,114	297,988	SH	X		01
WACHOVIA CORP 2ND NEW	COM	929903102	553	10,221	SH		X	010
WACOAL HOLDINGS CORP	ADR	930004205	299	4,319	SH		X	01
WAL MART STORES INC	COM	931142103	19,839	411,855	SH	X		01
WAL MART STORES INC	COM	931142103	3,623	75,217	SH		X	010
WALGREEN CO	COM	931422109	20,644	460,414	SH	X		01
WALGREEN CO	COM	931422109	9,096	202,860	SH		X	010
WASHINGTON MUT INC	COM	939322103	13,723	301,077	SH	X		01
WASHINGTON MUT INC	COM	939322103	292	6,403	SH		X	010
WASTE MGMT INC DEL	COM	94106L109	15,055	419,589	SH	X		01
WASTE MGMT INC DEL	COM	94106L109	977	27,233	SH		X	010
WATERS CORP	COM	941848103	479	10,795	SH	X		01
WATERS CORP	COM	941848103	8	174	SH		X	01
WATSON WYATT WORLDWIDE	CL A	942712100	12,081	343,792	SH	X		01
WATSON WYATT WORLDWIDE	CL A	942712100	11	314	SH		X	01
WATTS WATER TECHNOLGS	CL A	942749102	208	6,210	SH	X		01
WAUSAU PAPER CORP	COM	943315101	2,717	218,251	SH	X		01
WAUSAU PAPER CORP	COM	943315101	2,760	221,666	SH		X	01

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

WAUWATOSA HLDGS INC	COM	94348P108	13,059	765,458	SH	X			01
WEBEX COMMUNICATIONS	COM	94767L109	3,616	101,758	SH	X			01
WEINGARTEN RLTY INVS	SH BEN INT	948741103	44	1,149	SH	X			01
WEINGARTEN RLTY INVS	SH BEN INT	948741103	593	15,499	SH			X	01
WELLCARE HEALTH PLANS	COM	94946T106	3,729	76,015	SH	X			01
WELLPOINT INC	COM	94973V107	6,091	83,697	SH	X			01
WELLPOINT INC	COM	94973V107	86	1,187	SH			X	01
WELLS FARGO & CO NEW	COM	949746101	44,303	660,460	SH	X			01

REPORT PTR289 98

MARSHALL & ILSLEY TRUST CO N.A.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - 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 (D)	MGRS (E)
WELLS FARGO & CO NEW	COM	949746101	4,201	62,633	SH			X	010
WENDYS INTL INC	COM	950590109	291	5,010	SH	X			01
WENDYS INTL INC	COM	950590109	4	66	SH			X	01
WESCO INTL INC	COM	95082P105	2,281	33,057	SH	X			01
WESCO INTL INC	COM	95082P105	11	165	SH			X	01
WEST CORP	COM	952355105	1,601	33,407	SH	X			01
WESTAR ENERGY INC	COM	95709T100	257	12,292	SH	X			01
WESTERN DIGITAL CORP	COM	958102105	3,001	151,505	SH	X			01
WESTERN DIGITAL CORP	COM	958102105	31	1,555	SH			X	01
WEYCO GROUP INC	COM	962149100	125	5,400	SH	X			01
WEYCO GROUP INC	COM	962149100	334	14,364	SH			X	01
WEYERHAEUSER CO	COM	962166104	8,438	135,564	SH	X			01
WEYERHAEUSER CO	COM	962166104	1,339	21,516	SH			X	010
WHIRLPOOL CORP	COM	963320106	518	6,272	SH	X			01
WHIRLPOOL CORP	COM	963320106	217	2,624	SH			X	01
WHOLE FOODS MKT INC	COM	966837106	1,562	24,173	SH	X			01
WHOLE FOODS MKT INC	COM	966837106	499	7,727	SH			X	01
WILD OATS MARKETS INC	COM	96808B107	563	28,745	SH	X			01
WILLIAMS COS INC DEL	COM	969457100	615	26,333	SH	X			01
WILLIAMS COS INC DEL	COM	969457100	114	4,899	SH			X	01
WILLIAMS SCOTSMAN INTL	COM	96950G102	1,139	52,156	SH	X			01
WISCONSIN ENERGY CORP	COM	976657106	4,186	103,873	SH	X			01
WISCONSIN ENERGY CORP	COM	976657106	1,486	36,869	SH			X	01
WORTHINGTON INDS INC	COM	981811102	298	14,225	SH	X			01
WORTHINGTON INDS INC	COM	981811102	2	100	SH			X	01
WRIGLEY WM JR CO	COM	982526105	296	6,528	SH	X			01
WRIGLEY WM JR CO	COM	982526105	1,311	28,915	SH			X	01
WYETH	COM	983024100	10,067	226,696	SH	X			01
WYETH	COM	983024100	2,764	62,235	SH			X	010
XTO ENERGY INC	COM	98385X106	3,946	89,148	SH	X			01
XTO ENERGY INC	COM	98385X106	361	8,162	SH			X	01
XCEL ENERGY INC	COM	98389B100	11,424	595,641	SH	X			01
XCEL ENERGY INC	COM	98389B100	157	8,200	SH			X	010
XILINX INC	COM	983919101	237	10,520	SH	X			01

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

XILINX INC	COM	983919101	4	188	SH		X	01
XEROX CORP	COM	984121103	12,621	907,390	SH	X		01
XEROX CORP	COM	984121103	1	41	SH		X	01
YRC WORLDWIDE CORP	COM	984249102	300	7,125	SH	X		01
YRC WORLDWIDE CORP	COM	984249102	58	1,400	SH		X	01
YAHOO INC	COM	984332106	3,203	97,055	SH	X		01
YAHOO INC	COM	984332106	178	5,405	SH		X	01
YUM BRANDS INC	COM	988498101	1,700	33,825	SH	X		01
YUM BRANDS INC	COM	988498101	132	2,630	SH		X	01
ZIMMER HLDGS INC	COM	98956P102	1,966	34,682	SH	X		01
ZIMMER HLDGS INC	COM	98956P102	455	8,027	SH		X	01
ZIONS BANCORPORATION	COM	989701107	8,897	114,152	SH	X		01
ZIONS BANCORPORATION	COM	989701107	62	790	SH		X	01
ACE LTD	ORD	G0070K103	12,894	254,877	SH	X		01
ACE LTD	ORD	G0070K103	9	177	SH		X	01
ASSURED GUARANTY LTD	COM	G0585R106	4,147	163,446	SH	X		01
ACCENTURE LTD BERMUDA	CL A	G1150G111	321	11,345	SH	X		01
ACCENTURE LTD BERMUDA	CL A	G1150G111	109	3,858	SH		X	01
COOPER INDS LTD	CL A	G24182100	583	6,279	SH	X		01
COOPER INDS LTD	CL A	G24182100	73	782	SH		X	01
FRONTLINE LTD	SHS	G3682E127	333	8,800	SH	X		01
GARMIN LTD	ORD	G37260109	1,505	14,276	SH	X		01
GARMIN LTD	ORD	G37260109	172	1,629	SH		X	01
GLOBALSANTAFE CORP	SHS	G3930E101	9,595	166,154	SH	X		01
GLOBALSANTAFE CORP	SHS	G3930E101	1,190	20,614	SH		X	01
INGERSOLL-RAND COMPANY	CL A	G4776G101	546	12,782	SH	X		01
INGERSOLL-RAND COMPANY	CL A	G4776G101	68	1,598	SH		X	01
MARVELL TECHNOLOGY GRP	ORD	G5876H105	560	12,630	SH	X		01
MARVELL TECHNOLOGY GRP	ORD	G5876H105	140	3,160	SH		X	01
NABORS INDUSTRIES LTD	SHS	G6359F103	1,751	51,854	SH	X		01
NABORS INDUSTRIES LTD	SHS	G6359F103	26	764	SH		X	01
NOBLE CORPORATION	SHS	G65422100	10,456	140,506	SH	X		01
NOBLE CORPORATION	SHS	G65422100	63	841	SH		X	01
ORIENT-EXPRESS HOTELS	CL A	G67743107	493	12,700	SH	X		01
PARTNERRE LTD	COM	G6852T105	14,738	230,108	SH	X		01
PARTNERRE LTD	COM	G6852T105	21	325	SH		X	01
RENAISSANCERE HOLDINGS	COM	G7496G103	5,665	116,900	SH	X		01
RENAISSANCERE HOLDINGS	COM	G7496G103	519	10,710	SH		X	01
SEAGATE TECHNOLOGY	SHS	G7945J104	1,028	45,400	SH	X		01
SEAGATE TECHNOLOGY	SHS	G7945J104	13	570	SH		X	01
SHIP FINANCE INTERNL	SHS	G81075106	590	34,069	SH	X		01
TRANSOCEAN INC	ORD	G90078109	2,425	30,197	SH	X		01
TRANSOCEAN INC	ORD	G90078109	479	5,960	SH		X	01
VISTAPRINT LIMITED	SHS	G93762204	1,727	64,580	SH	X		01
WEATHERFORD INTERNL	COM	G95089101	429	8,653	SH	X		01
WEATHERFORD INTERNL	COM	G95089101	276	5,569	SH		X	01
XL CAP LTD	CL A	G98255105	22,922	373,946	SH	X		01
XL CAP LTD	CL A	G98255105	918	14,972	SH		X	01
ALCON INC	COM SHS	H01301102	1,239	12,573	SH	X		01
ALCON INC	COM SHS	H01301102	199	2,015	SH		X	01
UBS AG	NAMEN AKT	H8920M855	6,229	56,786	SH	X		01
UBS AG	NAMEN AKT	H8920M855	748	6,816	SH		X	01
FINAL TOTALS				4,798,174				

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

REPORT PTR289 9W

M&I INVESTMENT MANAGEMENT CORP.
SECURITIES AND EXCHANGE COMMISSION FORM 13F
ASSETS AS OF 06/30/2006

- - - - 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)	
XL CAP LTD	CL A	G98255105	287	4,674	SH	X		05
AT&T INC	COM	00206R102	768	27,537	SH	X		05
ABBOTT LABS	COM	002824100	263	6,035	SH	X		05
AMEREN CORP	COM	023608102	229	4,530	SH	X		05
AMSOUTH BANCORPORATION	COM	032165102	234	8,830	SH	X		05
APPLIED MATLS INC	COM	038222105	175	10,770	SH	X		05
BB&T CORP	COM	054937107	304	7,300	SH	X		05
BANK OF AMERICA CORP	COM	060505104	867	18,030	SH	X		05
BELLSOUTH CORP	COM	079860102	531	14,665	SH	X		05
BOEING CO	COM	097023105	222	2,710	SH	X		05
BRISTOL MYERS SQUIBB CO	COM	110122108	294	11,365	SH	X		05
CAMPBELL SOUP CO	COM	134429109	205	5,515	SH	X		05
CHEVRON CORP NEW	COM	166764100	677	10,895	SH	X		05
CITIGROUP INC	COM	172967101	853	17,675	SH	X		05
CITIZENS COMMUNICATNS	COM	17453B101	135	10,336	SH	X		05
COCA COLA CO	COM	191216100	334	7,775	SH	X		05
CONAGRA FOODS INC	COM	205887102	366	16,550	SH	X		05
CONSOLIDATED EDISON INC	COM	209115104	204	4,580	SH	X		05
DEL MONTE FOODS CO	COM	24522P103	171	15,222	SH	X		05
EXXON MOBIL CORP	COM	30231G102	492	8,020	SH	X		05
FIFTH THIRD BANCORP	COM	316773100	434	11,740	SH	X		05
FIRST HORIZON NATL CORP	COM	320517105	406	10,100	SH	X		05
GENERAL ELECTRIC CO	COM	369604103	991	30,080	SH	X		05
HEINZ H J CO	COM	423074103	241	5,850	SH	X		05
INTERPUBLIC GROUP COS	COM	460690100	98	11,779	SH	X		05
ISHARES TR	RUSSELL MCP GR	464287481	4,177	43,550	SH	X		05
ISHARES TR	RUSL 2000 GROW	464287648	5,484	74,600	SH	X		05
JOHNSON & JOHNSON	COM	478160104	333	5,560	SH	X		05
KEYCORP NEW	COM	493267108	212	5,930	SH	X		05
KEYSPAN CORP	COM	49337W100	225	5,570	SH	X		05
KINDER MORGAN INC KANS	COM	49455P101	214	2,145	SH	X		05
LSI LOGIC CORP	COM	502161102	116	12,940	SH	X		01
LILLY ELI & CO	COM	532457108	230	4,170	SH	X		05
LOCKHEED MARTIN CORP	COM	539830109	338	4,715	SH	X		05
MANPOWER INC	COM	56418H100	470	7,268	SH	X		05
MERCK & CO INC	COM	589331107	287	7,885	SH	X		05
MICROSOFT CORP	COM	594918104	295	12,681	SH	X		05
MOLSON COORS BREWING CO	CL B	60871R209	297	4,369	SH	X		05
NATIONAL CITY CORP	COM	635405103	617	17,055	SH	X		05
PFIZER INC	COM	717081103	401	17,085	SH	X		05
PROGRESS ENERGY INC	COM	743263105	492	11,485	SH	X		05
QWEST COMMUNICATNS INTL	COM	749121109	145	17,960	SH	X		05
REGIONS FINANCIAL CORP	COM	7591EP100	578	17,465	SH	X		05
SARA LEE CORP	COM	803111103	279	17,385	SH	X		05
US BANCORP DEL	COM NEW	902973304	601	19,460	SH	X		05
VERIZON COMMUNICATIONS	COM	92343V104	675	20,155	SH	X		05
WACHOVIA CORP 2ND NEW	COM	929903102	576	10,655	SH	X		05
WASHINGTON MUT INC	COM	939322103	629	13,795	SH	X		05
WASTE MGMT INC DEL	COM	94106L109	406	11,305	SH	X		05

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

WELLS FARGO & CO NEW	COM	949746101	497	7,405	SH	X	05
XCEL ENERGY INC	COM	98389B100	274	14,290	SH	X	05
XEROX CORP	COM	984121103	157	11,255	SH	X	05
FINAL TOTALS			----- 28,786 =====				