

New York, May 15, 2017

MSCI US Equity Indexes

The following are changes in constituents for the MSCI US Equity Indexes which will take place as of the close of May 31, 2017.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Index	Nb of Securities Added	Nb of Securities Deleted
MSCI US PRIME MARKET 750 INDEX	23	13
MSCI US SMALL CAP 1750 INDEX	96	42
MSCI US INVESTABLE MARKET 2500 INDEX	84	20
MSCI US MICRO CAP INDEX	24	38

MSCI US PRIME MARKET 750 INDEX

Additions

ATHENE HLDG LTD CLASS A  
VCA  
VEEVA SYSTEMS A  
COGNEX CORP  
CHEMOURS CO  
BURLINGTON STORES  
TORO CO  
WELLCARE HEALTH PLANS  
SQUARE  
TERADYNE  
ADIANT  
ERIE INDEMNITY CO A  
TAKE-TWO INTERACTIVE SOF  
EXELIXIS  
ON SEMICONDUCTOR CORP  
BIOVERATIV  
SUN COMMUNITIES  
BIO-RAD LABORATORIES A  
PEOPLES UNITED FINANCIAL  
DOUGLAS EMMETT  
PACWEST BANCORP  
RENAISSANCERE HOLDINGS  
SERVICEMASTER GLOBAL

Deletions

EATON VANCE CORP NV  
COLFAX CORP  
TERADATA  
GENESEE & WYOMING A  
TRINITY INDUSTRIES  
CHICAGO BRIDGE AND IRON  
FIRST SOLAR  
URBAN OUTFITTERS  
INTERCEPT PHARMA  
ENSCO A  
NUTANIX A  
ENDO INTERNATIONAL  
FRONTIER COMMUNICATIONS

MSCI US SMALL CAP 1750 INDEX

Additions

EATON VANCE CORP NV  
COLFAX CORP  
TERADATA  
GENESEE & WYOMING A  
FIRST HAWAIIAN  
TRINITY INDUSTRIES  
CENTENNIAL RESOURCE A  
COTIVITI HOLDINGS  
PATHEON  
CHICAGO BRIDGE AND IRON  
EXTRACTION OIL & GAS  
FIRST SOLAR  
ADVANCEPIERRE FOODS  
URBAN OUTFITTERS  
INTERCEPT PHARMA  
ENSCO A  
NUTANIX A  
ENDO INTERNATIONAL  
FRONTIER COMMUNICATIONS  
HOSTESS BRANDS A  
ADVANCED DISPOSAL SVCS  
ACACIA COMMUNICATIONS  
ARCH COAL A  
BLACKLINE  
COUPA SOFTWARE

Deletions

VCA  
VEEVA SYSTEMS A  
COGNEX CORP  
CHEMOURS CO  
BURLINGTON STORES  
TORO CO  
WELLCARE HEALTH PLANS  
SQUARE  
TERADYNE  
ADIANT  
ERIE INDEMNITY CO A  
TAKE-TWO INTERACTIVE SOF  
EXELIXIS  
ON SEMICONDUCTOR CORP  
BIOVERATIV  
SUN COMMUNITIES  
BIO-RAD LABORATORIES A  
PEOPLES UNITED FINANCIAL  
DOUGLAS EMMETT  
PACWEST BANCORP  
RENAISSANCERE HOLDINGS  
SERVICEMASTER GLOBAL  
TETRAPHASE PHARMA  
W&T OFFSHORE  
CAI INTERNATIONAL

TRADE DESK A  
STRAIGHT PATH B  
ACUSHNET HOLDINGS  
ELF BEAUTY  
MEDPACE HOLDINGS  
FORTERRA (US)  
WILDHORSE RESOURCE DEV  
AT HOME GROUP  
BASIC ENERGY SERVICES  
FB FINANCIAL  
EXTREME NETWORKS  
ACHAOGEN  
APPLIED OPTOELECTRONICS  
IRHYTHM TECHNOLOGIES  
HESKA CORP  
IMPINJ  
MAMMOTH ENERGY SERVICES  
KINSALE CAPITAL GROUP  
CRISPR THERAPEUTICS  
TPI COMPOSITES  
SANDRIDGE ENERGY  
CAMDEN NATIONAL CORP  
CU BANCORP  
HALCON RESOURCES  
LA JOLLA PHARMACEUTICAL  
PARK STERLING BANK  
GREEN BANCORP  
TUCOWS  
CAMPING WORLD HOLDINGS A  
CASELLA WASTE SYSTEMS A  
XENITH BANKSHARES (NEW)  
CYTOKINETICS  
QUANTENNA COMMUNICATIONS  
HORIZON BANCORP INDIANA  
CASCADE BANCORP  
HACKETT GROUP  
ACCESS NATIONAL CORP  
QCR HOLDINGS  
GLADSTONE COMM CORP  
PACIFIC CONTINENTAL CORP  
MERCANTILE BANK CORP  
MESA LABORATORIES  
HERITAGE COMMERCE CORP  
FIRST DEFIANCE FINANCIAL  
SMART SAND  
RA PHARMACEUTICALS  
CROSS COUNTRY HEALTHCARE  
CARROLS RESTAURANT GRP  
GREEN BRICK PARTNERS A  
APTIO A  
PETMED EXPRESS  
AQUAVENTURE HOLDINGS  
ICHOH HOLDINGS  
REATA PHARMACEUTICALS A  
KEY ENERGY SERVICES  
SUTHERLAND ASSET MGMT  
LANTHEUS HOLDINGS  
HOMETRUST BANCSHARES  
FIRST COMMUNITY BANCSHS  
CAROLINA FINANCIAL CORP  
MIDWESTONE FIN GRP (NEW)  
VERITEX HOLDINGS  
NICOLET BANKSHARES  
ASSEMBLY BIOSCIENCES  
CULP  
WHITESTONE REIT  
AXOGEN  
THE MEET GROUP  
MEDEQUITIES REALTY TRUST  
PULSE BIOSCIENCES  
FARMLAND PARTNERS

PIONEER ENERGY SERVICES  
WESTMORELAND COAL CO  
ALLIED MOTION TECH  
ROCKET FUEL  
CONTANGO OIL & GAS CO  
ASCENT CAPITAL GROUP A  
ARC DOCUMENT SOLUTIONS  
FLUIDIGM  
ZAFGEN  
ADVERUM BIOTECHNOLOG  
HARTE-HANKS  
FUELCELL ENERGY  
DICERNA PHARMACEUTICALS  
TANDEM DIABETES CARE  
WALTER INV MGMT CO A  
TIDEWATER  
ADEPTUS HEALTH A

MSCI US INVESTABLE MARKET 2500 INDEX  
Additions

Deletions

ATHENE HLDG LTD CLASS A  
FIRST HAWAIIAN  
CENTENNIAL RESOURCE A  
COTIVITI HOLDINGS  
PATHEON  
EXTRACTION OIL & GAS  
ADVANCEPIERRE FOODS  
HOSTESS BRANDS A  
ADVANCED DISPOSAL SVCS  
ACACIA COMMUNICATIONS  
ARCH COAL A  
BLACKLINE  
COUPA SOFTWARE  
TRADE DESK A  
STRAIGHT PATH B  
ACUSHNET HOLDINGS  
ELF BEAUTY  
MEDPACE HOLDINGS  
FORTERRA (US)  
WILDHORSE RESOURCE DEV  
AT HOME GROUP  
BASIC ENERGY SERVICES  
FB FINANCIAL  
EXTREME NETWORKS  
ACHAOGEN  
APPLIED OPTOELECTRONICS  
IRHYTHM TECHNOLOGIES  
HESKA CORP  
IMPINJ  
MAMMOTH ENERGY SERVICES  
KINSALE CAPITAL GROUP  
CRISPR THERAPEUTICS  
TPI COMPOSITES  
SANDRIDGE ENERGY  
CAMDEN NATIONAL CORP  
CU BANCORP  
HALCON RESOURCES  
LA JOLLA PHARMACEUTICAL  
PARK STERLING BANK  
GREEN BANCORP  
TUCOWS  
CAMPING WORLD HOLDINGS A  
CASELLA WASTE SYSTEMS A  
XENITH BANKSHARES (NEW)  
CYTOKINETICS  
QUANTENNA COMMUNICATIONS  
HORIZON BANCORP INDIANA  
CASCADE BANCORP  
HACKETT GROUP  
ACCESS NATIONAL CORP  
QCR HOLDINGS  
GLADSTONE COMM CORP  
PACIFIC CONTINENTAL CORP  
MERCANTILE BANK CORP  
MESA LABORATORIES  
HERITAGE COMMERCE CORP  
FIRST DEFIANCE FINANCIAL  
SMART SAND  
RA PHARMACEUTICALS  
CROSS COUNTRY HEALTHCARE  
CARROLS RESTAURANT GRP  
GREEN BRICK PARTNERS A  
APPTIO A  
PETMED EXPRESS  
AQUAVENTURE HOLDINGS  
ICHOH HOLDINGS  
REATA PHARMACEUTICALS A  
KEY ENERGY SERVICES  
SUTHERLAND ASSET MGMT  
LANTHEUS HOLDINGS  
HOMETRUST BANCSHARES  
FIRST COMMUNITY BANCSSH  
CAROLINA FINANCIAL CORP  
MIDWESTONE FIN GRP (NEW)  
VERITEX HOLDINGS

TETRAPHASE PHARMA  
W&T OFFSHORE  
CAI INTERNATIONAL  
PIONEER ENERGY SERVICES  
WESTMORELAND COAL CO  
ALLIED MOTION TECH  
ROCKET FUEL  
CONTANGO OIL & GAS CO  
ASCENT CAPITAL GROUP A  
ARC DOCUMENT SOLUTIONS  
FLUIDIGM  
ZAFGEN  
ADVERUM BIOTECHNOLOG  
HARTE-HANKS  
FUELCELL ENERGY  
DICERNA PHARMACEUTICALS  
TANDEM DIABETES CARE  
WALTER INV MGMT CO A  
TIDEWATER  
ADEPTUS HEALTH A

NICOLET BANKSHARES  
ASSEMBLY BIOSCIENCES  
CULP  
WHITESTONE REIT  
AXOGEN  
THE MEET GROUP  
MEDEQUITIES REALTY TRUST  
PULSE BIOSCIENCES  
FARMLAND PARTNERS

MSCI US MICRO CAP INDEX

Additions

AQUINOX PHARMACEUTICALS  
EARTHSTONE ENERGY  
ZYNTERBA PHARMACEUTICALS  
TETRAPHASE PHARMA  
W&T OFFSHORE  
CAI INTERNATIONAL  
PIONEER ENERGY SERVICES  
WESTMORELAND COAL CO  
ALLIED MOTION TECH  
ROCKET FUEL  
CONTANGO OIL & GAS CO  
ASCENT CAPITAL GROUP A  
ARC DOCUMENT SOLUTIONS  
FLUIDIGM  
ZAFGEN  
ADVERUM BIOTECHNOLOG  
HARTE-HANKS  
FUELCELL ENERGY  
DICERNA PHARMACEUTICALS  
TANDEM DIABETES CARE  
WALTER INV MGMT CO A  
TIDEWATER  
HANDY & HARMAN  
NI HOLDINGS

Deletions

STRAIGHT PATH B  
EXTREME NETWORKS  
APPLIED OPTOELECTRONICS  
HESKA CORP  
CAMDEN NATIONAL CORP  
CU BANCORP  
LA JOLLA PHARMACEUTICAL  
PARK STERLING BANK  
GREEN BANCORP  
TUCOWS  
CASELLA WASTE SYSTEMS A  
XENITH BANKSHARES (NEW)  
CYTOKINETICS  
HORIZON BANCORP INDIANA  
CASCADE BANCORP  
HACKETT GROUP  
QCR HOLDINGS  
GLADSTONE COMM CORP  
PACIFIC CONTINENTAL CORP  
MERCANTILE BANK CORP  
MESA LABORATORIES  
HERITAGE COMMERCE CORP  
FIRST DEFIANCE FINANCIAL  
CROSS COUNTRY HEALTHCARE  
CARROLS RESTAURANT GRP  
GREEN BRICK PARTNERS A  
PETMED EXPRESS  
HOMETRUST BANCSHARES  
FIRST COMMUNITY BANCSHS  
MIDWESTONE FIN GRP (NEW)  
CULP  
WHITESTONE REIT  
RENTECH  
PARETEUM CORP  
DEXTERA SURGICAL  
MOSYS  
CUMULUS MEDIA A  
GRIFFIN INDUSTRIAL REAL

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