

New York, May 14, 2018

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, 2018.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Index	Nb of Securities Added	Nb of Securities Deleted
MSCI US PRIME MARKET 750 INDEX	16	15
MSCI US SMALL CAP 1750 INDEX	77	35
MSCI US INVESTABLE MARKET 2500 INDEX	64	21
MSCI US MICRO CAP INDEX	19	30

MSCI US PRIME MARKET 750 INDEX

Additions

GRUBHUB  
NUTANIX A  
RSP PERMIAN  
FIRST SOLAR  
AVEXIS INC  
MICROSEMI CORP  
ZEBRA TECHNOLOGIES A  
NEUROCRINE BIOSCIENCES  
TELEDYNE TECHNOLOGIES  
BWX TECHNOLOGIES  
WEX  
DOLBY LABORATORIES A  
VIRTU FINANCIAL A  
BOK FINANCIAL CORP  
BANK OZARKS  
AMERICAN HOMES 4 RENT A

Deletions

CARTER HOLDINGS  
NATIONAL FUEL GAS CO  
NUANCE COMMUNICATIONS  
WILLIAMS-SONOMA  
NAVIENT CORP  
REALOGY HOLDINGS CORP  
AMC NETWORKS A  
COLONY NORTHSTAR A  
TESARO  
CHESAPEAKE ENERGY CORP  
WEATHERFORD INTL  
SIGNET JEWELERS (US)  
EDGEWELL PERSONAL CARE  
ERIE INDEMNITY CO A  
TFS FINANCIAL

MSCI US SMALL CAP 1750 INDEX

Additions

CARTER HOLDINGS  
NATIONAL FUEL GAS CO  
NUANCE COMMUNICATIONS  
WILLIAMS-SONOMA  
NAVIENT CORP  
REALOGY HOLDINGS CORP  
AMC NETWORKS A  
COLONY NORTHSTAR A  
TESARO  
CHESAPEAKE ENERGY CORP  
WEATHERFORD INTL  
EVOQUA WATER TECH  
CADENCE BANCORP A  
NATIONAL VISION HOLDINGS  
SIGNET JEWELERS (US)  
EDGEWELL PERSONAL CARE  
CLOUDERA  
SAILPOINT TECH HLDGS  
FGL HOLDINGS  
VENATOR MATERIALS  
PQ GROUP HOLDINGS  
AKCEA THERAPEUTICS  
REDFIN  
DENALI THERAPEUTICS  
MADRIGAL PHARMACEUTICALS  
FORESCOUT TECHNOLOGIES  
APELLIS PHARMACEUTICALS  
IOVANCE BIOTHERAPEUTICS  
SENDGRID  
TPG RE FINANCE TRUST  
WILLSCOT A  
ATHENEX

Deletions

GRUBHUB  
NUTANIX A  
RSP PERMIAN  
FIRST SOLAR  
AVEXIS INC  
MICROSEMI CORP  
ZEBRA TECHNOLOGIES A  
NEUROCRINE BIOSCIENCES  
TELEDYNE TECHNOLOGIES  
BWX TECHNOLOGIES  
WEX  
DOLBY LABORATORIES A  
VIRTU FINANCIAL A  
BOK FINANCIAL CORP  
BANK OZARKS  
AMERICAN HOMES 4 RENT A  
NOODLES & CO A  
QUORUM HEALTH CORP  
OCULAR THERAPEUTIX  
CARBO CERAMICS  
NATURAL HEALTH TRENDS  
PHI NV  
TUESDAY MORNING CORP  
LSB INDUSTRIES  
IMMUNE DESIGN CORP  
NATURAL GROCERS BY VIT  
HORNBECK OFFSHORE SVCS  
TREVENA  
INFINITY PHARMACEUTICALS  
DHI GROUP  
PARKER DRILLING CO  
REGULUS THERAPEUTICS

KMG CHEMICALS  
 TRIUMPH BANCORP  
 BOINGO WIRELESS  
 CURO GROUP HOLDINGS CORP  
 SIMPLY GOOD FOODS  
 CARBONITE  
 MIRATI THERAPEUTICS  
 W&T OFFSHORE  
 TIDEWATER  
 NATIONAL COMMERCE  
 LEMAITRE VASCULAR  
 OPTINOSE  
 DECIPHERA PHARMA  
 STERLING BANCORP (XNCM)  
 LUTHER BURBANK  
 PEAPACK GLADSTONE FINL  
 VERSO NEW  
 BARRETT BUSINESS SVCS  
 RHYTHM PHARMACEUTICALS  
 ADDUS HOMECARE CORP  
 PEOPLE'S UTAH BANCORP  
 MERCHANTS BANCORP  
 FATE THERAPEUTICS  
 OLD LINE BANCSHARES  
 ODONATE THERAPEUTICS  
 PREFERRED APT CMNTY  
 ALLEGIANCE BANCSHARES  
 UNITED COMMUNITY FINL  
 BANK MARIN  
 FRANKLIN FINL NETWORK  
 USA TECHNOLOGIES  
 AQUANTIA  
 UMH PROPERTIES  
 CALYXT  
 ENERGOUS CORP  
 RBB BANCORP  
 ENTERPRISE BANCORP  
 AV HOMES  
 SIENNA BIOPHARMA  
 ENVIROSTAR  
 FIRST BANCSHARES (THE)  
 KALA PHARMACEUTICAL  
 SILVERBOW RESOURCES  
 QUANTERIX  
 IES HOLDINGS

GLOBAL INDEMNITY  
 REPUBLIC BANCORP A (KY)  
 REVLOA A

#### MSCI US INVESTABLE MARKET 2500 INDEX

##### Additions

EVOQUA WATER TECH  
 CADENCE BANCORP A  
 NATIONAL VISION HOLDINGS  
 CLOUDERA  
 SAILPOINT TECH HLDGS  
 FGL HOLDINGS  
 VENATOR MATERIALS  
 PQ GROUP HOLDINGS  
 AKCEA THERAPEUTICS  
 REDFIN  
 DENALI THERAPEUTICS  
 MADRIGAL PHARMACEUTICALS  
 FORESCOUT TECHNOLOGIES  
 APELLIS PHARMACEUTICALS  
 IOVANCE BIOTHERAPEUTICS  
 SENDGRID  
 TPG RE FINANCE TRUST  
 WILLSCOT A  
 ATHENEX  
 KMG CHEMICALS  
 TRIUMPH BANCORP  
 BOINGO WIRELESS  
 CURO GROUP HOLDINGS CORP  
 SIMPLY GOOD FOODS  
 CARBONITE  
 MIRATI THERAPEUTICS

##### Deletions

NOODLES & CO A  
 QUORUM HEALTH CORP  
 OCULAR THERAPEUTIX  
 CARBO CERAMICS  
 NATURAL HEALTH TRENDS  
 PHI NV  
 TUESDAY MORNING CORP  
 LSB INDUSTRIES  
 IMMUNE DESIGN CORP  
 NATURAL GROCERS BY VIT  
 HORNBECK OFFSHORE SVCS  
 TREVENA  
 INFINITY PHARMACEUTICALS  
 DHI GROUP  
 PARKER DRILLING CO  
 REGULUS THERAPEUTICS  
 ERIE INDEMNITY CO A  
 GLOBAL INDEMNITY  
 REPUBLIC BANCORP A (KY)  
 REVLOA A  
 TFS FINANCIAL

W&T OFFSHORE  
 TIDEWATER  
 NATIONAL COMMERCE  
 LEMAITRE VASCULAR  
 OPTINOSE  
 DECIPHERA PHARMA  
 STERLING BANCORP (XNCM)  
 LUTHER BURBANK  
 PEAPACK GLADSTONE FINL  
 VERSO NEW  
 BARRETT BUSINESS SVCS  
 RHYTHM PHARMACEUTICALS  
 ADDUS HOMECARE CORP  
 PEOPLE'S UTAH BANCORP  
 MERCHANTS BANCORP  
 FATE THERAPEUTICS  
 OLD LINE BANCSHARES  
 ODONATE THERAPEUTICS  
 PREFERRED APT CMNTY  
 ALLEGIANCE BANCSHARES  
 UNITED COMMUNITY FINL  
 BANK MARIN  
 FRANKLIN FINL NETWORK  
 USA TECHNOLOGIES  
 AQUANTIA  
 UMH PROPERTIES  
 CALYXT  
 ENERGOUS CORP  
 RBB BANCORP  
 ENTERPRISE BANCORP  
 AV HOMES  
 SIENNA BIOPHARMA  
 ENVIROSTAR  
 FIRST BANCSHARES (THE)  
 KALA PHARMACEUTICAL  
 SILVERBOW RESOURCES  
 QUANTERIX  
 IES HOLDINGS

#### MSCI US MICRO CAP INDEX

##### Additions

SOUTHERN FIRST BANCSHS  
 NOODLES & CO A  
 QUORUM HEALTH CORP  
 OCULAR THERAPEUTIX  
 CARBO CERAMICS  
 NATURAL HEALTH TRENDS  
 PHI NV  
 TUESDAY MORNING CORP  
 LSB INDUSTRIES  
 IMMUNE DESIGN CORP  
 NATURAL GROCERS BY VIT  
 HORNBECK OFFSHORE SVCS  
 TREVENA  
 INFINITY PHARMACEUTICALS  
 DHI GROUP  
 PARKER DRILLING CO  
 REGULUS THERAPEUTICS  
 CAMBRIDGE BANCORP  
 NANT HEALTH

##### Deletions

MADRIGAL PHARMACEUTICALS  
 IOVANCE BIOTHERAPEUTICS  
 KMG CHEMICALS  
 TRIUMPH BANCORP  
 BOINGO WIRELESS  
 CARBONITE  
 MIRATI THERAPEUTICS  
 W&T OFFSHORE  
 NATIONAL COMMERCE  
 LEMAITRE VASCULAR  
 PEAPACK GLADSTONE FINL  
 JOHNSON OUTDOORS A  
 BARRETT BUSINESS SVCS  
 ADDUS HOMECARE CORP  
 PEOPLE'S UTAH BANCORP  
 PREFERRED APT CMNTY  
 ALLEGIANCE BANCSHARES  
 UNITED COMMUNITY FINL  
 BANK MARIN  
 FRANKLIN FINL NETWORK  
 UMH PROPERTIES  
 ENTERPRISE BANCORP  
 AV HOMES  
 READING INTERNATIONAL A  
 IES HOLDINGS  
 ANTHERA PHARMACEUTICALS  
 APRICUS BIOSCIENCES  
 WESTMORELAND COAL CO  
 DAXOR CORP  
 TRANSCONTINENTAL REALTY

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