

New York, November 14, 2016

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 November 30, 2016.

SUMMARY OF THE CHANGES INCLUDED IN THIS ANNOUNCEMENT:

Index	Nb of Securities Added	Nb of Securities Deleted
MSCI US PRIME MARKET 750 INDEX	17	5
MSCI US SMALL CAP 1750 INDEX	73	27
MSCI US INVESTABLE MARKET 2500 INDEX	70	12
MSCI US MICRO CAP INDEX	16	46

MSCI US PRIME MARKET 750 INDEX

Additions

COMPUTER SCIENCES CORP  
PARSLEY ENERGY A  
ENDURANCE SPECIALTY HLDG  
VAIL RESORTS  
ADVANCED MICRO DEVICES  
TYLER TECHNOLOGIES  
TRANSUNION  
GODADDY A  
MARKETAXESS HLDGS  
TESARO  
NORDSON CORP  
GREAT PLAINS ENERGY  
ARISTA NETWORKS  
SERVICE CORP INTL  
US FOODS HOLDING  
GENTEX CORP  
LIBERTY LILAC A

Deletions

LINCOLN ELECTRIC HLDGS  
KIRBY CORP  
EXTENDED STAY AMERICA  
FIREEYE  
SOLARCITY CORP

MSCI US SMALL CAP 1750 INDEX

Additions

LINCOLN ELECTRIC HLDGS  
TWILIO A  
SQUARE  
KIRBY CORP  
EXTENDED STAY AMERICA  
RED ROCK RESORTS A  
NATIONAL BEVERAGE CORP  
FIREEYE  
SOLARCITY CORP  
MGM GROWTH PROPERTIES A  
OCLARO  
SITEONE LANDSCAPE SUPPLY  
ATKORE INTERNATIONAL  
AVEXIS INC  
SYNERGY PHARMACEUTICALS  
RUSH ENTERPRISES B  
GMS  
TOBIRA THERAPEUTICS  
ANI PHARMACEUTICALS  
CORCEPT THERAPEUTICS  
FIVE9  
NEXEO SOLUTIONS  
PACIFIC PREMIER BANCORP  
WAVE LIFE SCIENCES  
MGP INGREDIENTS  
COLUCID PHARMACEUTICALS  
CHASE CORPORATION  
NEOPHOTONICS  
ARDELYX  
A10 NETWORKS  
HOMESTREET

Deletions

COMPUTER SCIENCES CORP  
PARSLEY ENERGY A  
ENDURANCE SPECIALTY HLDG  
VAIL RESORTS  
ADVANCED MICRO DEVICES  
TYLER TECHNOLOGIES  
TRANSUNION  
GODADDY A  
MARKETAXESS HLDGS  
TESARO  
NORDSON CORP  
GREAT PLAINS ENERGY  
ARISTA NETWORKS  
SERVICE CORP INTL  
GENTEX CORP  
NEWCASTLE INV CORP (NEW)  
LIMONEIRA CO  
AMERESCO A  
GREAT LAKES DREDGE DOCK  
TERRAVIA HOLDINGS  
BLACK BOX CORP  
FREIGHTCAR AMERICA  
ENERNOC  
BONANZA CREEK ENERGY  
GULFMARK OFFSHORE A  
CAESARS ACQUISITION A  
SYSTEMAX

VITAE PHARMACEUTICALS  
 NEOGENOMICS  
 META FINANCIAL GROUP  
 INDEPENDENCE REALTY TRUS  
 CRYOLIFE  
 AEP INDUSTRIES  
 AMERICAN RENAL HOLDINGS  
 FLEXION THERAPEUTICS  
 OMEGA PROTEIN CORP  
 BIOTELEMETRY  
 APIGEE CORP  
 HARBORONE BANCORP  
 EDITAS MEDICINE  
 AGENUS  
 RESOLUTE ENERGY CORP  
 ALPHA & OMEGA SEMICONDUCT  
 OCEANFIRST FINANCIAL  
 STONEGATE BANK  
 VOCERA COMMUNICATIONS  
 BRIDGE BANCORP  
 TRISTATE CAPITAL HLDGS  
 FIDELITY SOUTHERN CORP  
 PREFERRED BANK LOS ANGEL  
 INTELLIA THERAPEUTICS  
 PEOPLES BANCORP  
 WMIH  
 ALMOST FAMILY  
 QAD A  
 MINERVA NEUROSCIENCES  
 SPORTSMANS WAREHOUSE  
 CLEARSIDE BIOMEDICAL  
 GENESIS HEALTHCARE A  
 MIDLAND STS BANCORP  
 FIRST FOUNDATION  
 RYERSON HOLDING CORP  
 GUARANTY BANCORP  
 ATLANTIC CAPITAL BANCSHS  
 CORBUS PHARMACEUTICALS  
 SYROS PHARMACEUTICALS  
 BLUE BIRD (US)  
 NV5 HOLDINGS  
 CORVUS PHARMACEUTICALS

MSCI US INVESTABLE MARKET 2500 INDEX

Additions

US FOODS HOLDING  
 LIBERTY LILAC A  
 TWILIO A  
 SQUARE  
 RED ROCK RESORTS A  
 NATIONAL BEVERAGE CORP  
 MGM GROWTH PROPERTIES A  
 OCLARO  
 SITEONE LANDSCAPE SUPPLY  
 ATKORE INTERNATIONAL  
 AVEXIS INC  
 SYNERGY PHARMACEUTICALS  
 RUSH ENTERPRISES B  
 GMS  
 TOBIRA THERAPEUTICS  
 ANI PHARMACEUTICALS  
 CORCEPT THERAPEUTICS  
 FIVE9  
 NEXEO SOLUTIONS  
 PACIFIC PREMIER BANCORP  
 WAVE LIFE SCIENCES  
 MGP INGREDIENTS  
 COLUCID PHARMACEUTICALS  
 CHASE CORPORATION  
 NEOPHOTONICS  
 ARDELYX  
 A10 NETWORKS  
 HOMESTREET  
 VITAE PHARMACEUTICALS

Deletions

NEWCASTLE INV CORP (NEW)  
 LIMONEIRA CO  
 AMERESCO A  
 GREAT LAKES DREDGE DOCK  
 TERRAVIA HOLDINGS  
 BLACK BOX CORP  
 FREIGHTCAR AMERICA  
 ENERNOC  
 BONANZA CREEK ENERGY  
 GULFMARK OFFSHORE A  
 CAESARS ACQUISITION A  
 SYSTEMAX

NEOGENOMICS  
 META FINANCIAL GROUP  
 INDEPENDENCE REALTY TRUS  
 CRYOLIFE  
 AEP INDUSTRIES  
 AMERICAN RENAL HOLDINGS  
 FLEXION THERAPEUTICS  
 OMEGA PROTEIN CORP  
 BIOTELEMETRY  
 APIGEE CORP  
 HARBORONE BANCORP  
 EDITAS MEDICINE  
 AGENUS  
 RESOLUTE ENERGY CORP  
 ALPHA & OMEGA SEMICONDUCT  
 OCEANFIRST FINANCIAL  
 STONEGATE BANK  
 VOCERA COMMUNICATIONS  
 BRIDGE BANCORP  
 TRISTATE CAPITAL HLDGS  
 FIDELITY SOUTHERN CORP  
 PREFERRED BANK LOS ANGEL  
 INTELLIA THERAPEUTICS  
 PEOPLES BANCORP  
 WMIH  
 ALMOST FAMILY  
 QAD A  
 MINERVA NEUROSCIENCES  
 SPORTSMANS WAREHOUSE  
 CLEARSIDE BIOMEDICAL  
 GENESIS HEALTHCARE A  
 MIDLAND STS BANCORP  
 FIRST FOUNDATION  
 RYERSON HOLDING CORP  
 GUARANTY BANCORP  
 ATLANTIC CAPITAL BANCSHS  
 CORBUS PHARMACEUTICALS  
 SYROS PHARMACEUTICALS  
 BLUE BIRD (US)  
 NV5 HOLDINGS  
 CORVUS PHARMACEUTICALS

MSCI US MICRO CAP INDEX  
 Additions  
 NEWCASTLE INV CORP (NEW)  
 PROTEOSTASIS THERAPEUTIC  
 COMMUNITY HEALTHCARE  
 FARMERS NATL BANC CORP  
 LIMONEIRA CO  
 AMERESCO A  
 GREAT LAKES DREDGE DOCK  
 TERRAVIA HOLDINGS  
 BLACK BOX CORP  
 FREIGHTCAR AMERICA  
 ENERNOC  
 BONANZA CREEK ENERGY  
 GULFMARK OFFSHORE A  
 SELECTA BIOSCIENCES  
 SENSEONICS HOLDINGS INC  
 SYSTEMAX

Deletions  
 OCLARO  
 SYNERGY PHARMACEUTICALS  
 ANI PHARMACEUTICALS  
 CORCEPT THERAPEUTICS  
 FIVE9  
 PACIFIC PREMIER BANCORP  
 MGP INGREDIENTS  
 CHASE CORPORATION  
 NEOPHOTONICS  
 ARDELYX  
 A10 NETWORKS  
 HOMESTREET  
 VITAE PHARMACEUTICALS  
 NEOGENOMICS  
 META FINANCIAL GROUP  
 INDEPENDENCE REALTY TRUS  
 CRYOLIFE  
 AEP INDUSTRIES  
 FLEXION THERAPEUTICS  
 OMEGA PROTEIN CORP  
 BIOTELEMETRY  
 APIGEE CORP  
 AGENUS  
 RESOLUTE ENERGY CORP  
 ALPHA & OMEGA SEMICONDUCT  
 OCEANFIRST FINANCIAL  
 STONEGATE BANK  
 VOCERA COMMUNICATIONS  
 BRIDGE BANCORP  
 TRISTATE CAPITAL HLDGS

FIDELITY SOUTHERN CORP  
PREFERRED BANK LOS ANGEL  
PEOPLES BANCORP  
ALMOST FAMILY  
QAD A  
QAD B  
SPORTSMANS WAREHOUSE  
GENESIS HEALTHCARE A  
GUARANTY BANCORP  
TOWERSTREAM CORP  
VIOLIN MEMORY  
US ENERGY CORP WYOMING  
GENVEC  
DOCUMENT SECURITY SYS  
CARTESIAN  
ACTIVE POWER

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