Research Industry and Issuer Coverage
Credit Trading Desk Analysis Coverage
As of September 10, 2019

Capital Structure, Publishing and Desk Analysis

Edward P. Mally, CFA  Head of Institutional Research Group,
Distressed/Special Situations/Event-driven
Security/Technology/Chemicals/Industrials

Saro Bos  European Distressed/Special Situations Desk Analysis

Matthew Farwell, CFA  Coal, Energy/E&P, Independent Power Producers

Mary Ross Gilbert, CFA  Consumer/Retail, Food/Restaurants

Irene Haas  Energy (Exploration and Production)

Kurt M. Hoffman  Distressed/Special Situations/Event-driven Desk Analysis

Kirk Ludtke  Industrials/Media

Peter Kawada  European Distressed/Special Situations Desk Analysis

Asif Khan  Distressed/Special Situations/Event-driven Desk Analysis

Jason Wangler  Energy (Exploration and Production)/ Energy Services

Jake Abelman  Associate

Megan Barnett  Associate

Booker Smith  Associate

Credit Trading Desk Analysis

David Havens  Global Banks and Insurance

Amy Hazelton  Global Bank Hybrids, Industrial Hybrids

Eriko Miyazaki-Ross  Emerging Markets Corporates

Equity and Industry Analysis

Irene Haas  Energy (Exploration and Production)

George Kelly, CFA  Consumer

Jeff Kessler  Security and Technology Enabled Services

David W. Miller  Media/Entertainment

Jason Wangler  Energy (Exploration and Production)/ Energy Services

Reed Motulsky  Associate, Security and Technology Enabled Services

Claire Ye  Associate, Energy (Exploration and Production)
## Industry and Issuer Coverage Assignments

### Chemicals
- **8 Companies**
  - Edward P. Mally, CFA
    - emally@imperialcapital.com
    - (212) 351-9768
  - Megan Barnett
    - mbarnett@imperialcapital.com
    - (212) 351-9437
  - Chemours Company
  - Cornerstone Chemical Company
  - FMC Corp.
  - Hexion Inc.
  - Ineos Group Holdings
  - Perstorp
  - Rayonier Advanced Materials, Inc.
  - TPC Group

### Coal/Mining, Fertilizers, Independent Power Producers and Energy Services/Industrials
- **45 Companies**
  - Matthew Farwell, CFA
    - mfarwell@imperialcapital.com
    - (310) 246-3626
  - Adani Abbot Point Terminal
  - Alliance Resource Partners
  - Alpha Natural Resources Inc.
  - Arch Coal Corporation
  - Arconic, Inc.
  - Baffinland Iron Mines Corp.
  - Boart Longyear Ltd
  - CF Industries Holdings, Inc.
  - Carillion plc
  - Cloud Peak Energy
  - CONSOL Energy
  - Conuma Coal Resources
  - Contura Energy
  - Entregra Power Group, LLC
  - Ferrellgas Partners, L.P.
  - Ferroglobe PLC
  - FirstEnergy Solutions
  - Foresight Energy, LLC
  - Hi-Crush Partners
  - Homer City Generation L.P.
  - InterGen N.V.
  - K+S AG
  - LSB Industries, Inc.
  - Marathon Petroleum Corp.
  - Murray Energy
  - Nemaska Lithium
  - New Gold, Inc.
  - NRG Energy
  - Pacific Drilling S.A.
  - Peabody Energy Corporation
  - People’s Gas Light & Coke Co
  - Rockpoint Gas Storage
  - Rowan Companies plc
  - Seitel, Inc.
  - Sherritt International Corporation
  - Suncoke Coal Corporation
  - T1 Power Holdings, LLC
  - Talen Energy
  - Taseko Mines
  - Teck Resources Ltd.
  - TexGen Power
  - Valero Energy Corporation
  - Vistra Energy
  - Warrior Met Coal, Inc.
  - Weatherford International

### Consumer
- **14 Companies**
  - Mary Ross Gilbert, CFA
    - mgilbert@imperialcapital.com
    - (310) 246-3757
  - 24 Hour Fitness Worldwide, Inc.
  - Acosta Marketing, Inc.
  - Apex Tool Group, LLC.
  - Cengage Learning
  - Dutch Lion B.V.
  - Gibson Brands, Inc.
  - Harland Clarke
  - Hovnanian Enterprises, Inc.
  - High Ridge Brands, Inc.
  - Iceland Foods Group Ltd.
  - Pyxus International, Inc.
  - Revlon, Inc.
  - Totes Isotoner/Indra Holdings
  - We Work Companies, Inc.

### Consumer (Equities)
- **15 Companies**
  - George Kelly, CFA
    - gkelly@imperialcapital.com
    - (212) 351-9476
  - Acushnet Holdings Corp.
  - Brunswick Corporation
  - Callaway Golf Company
  - Drive Shack
  - Freshpet, Inc.
  - Haymaker Acquisition/OneSpaWorld
  - Johnson Outdoors
  - Lindblad Expeditions
  - MINDBODY, Inc.
  - National Beverage.
  - Nautilus, Inc.
  - Planet Fitness, Inc.
  - Primo Water
  - Town Sport International Holdings
  - YogaWorks, Inc.
<table>
<thead>
<tr>
<th>Company</th>
<th>Contact Person</th>
<th>Phone</th>
<th>Email</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>Getty Images Inc.</td>
<td>Edward P. Mally, CFA</td>
<td>(212) 351-9768</td>
<td><a href="mailto:emally@imperialcapital.com">emally@imperialcapital.com</a></td>
<td>Distressed/Special Situations/Event-Driven 90 Companies</td>
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<tr>
<td>Casino-Guichard Perrachon SA</td>
<td>Saro Bos</td>
<td>+44 (0) 20 7650 5404</td>
<td><a href="mailto:sbos@imperialcapital.com">sbos@imperialcapital.com</a></td>
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<tr>
<td>Dignity Finance PLC</td>
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<td>Steinhoff International Holdings NV</td>
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<tr>
<td>Adient Plc.</td>
<td>Peter Kawada</td>
<td>+44 (0) 20 7650 5408</td>
<td><a href="mailto:pkawada@imperialcapital.com">pkawada@imperialcapital.com</a></td>
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<td>Ardagh Glass</td>
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<td>Galapagos SA</td>
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<td>Enquest plc</td>
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<td>Vallourec SA</td>
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<tr>
<td>Capita plc</td>
<td>Matthew Farwell, CFA</td>
<td>(310) 246-3626</td>
<td><a href="mailto:mfarwell@imperialcapital.com">mfarwell@imperialcapital.com</a></td>
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<tr>
<td>Citgo Holdings</td>
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<td>Zim Integrated Shipping Services</td>
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<tr>
<td>American Shipping Company ASA</td>
<td>Booker Smith</td>
<td>(212) 351-9475</td>
<td><a href="mailto:bsmith@imperialcapital.com">bsmith@imperialcapital.com</a></td>
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<td>Navios Maritime Holdings</td>
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<tr>
<td>Cincinnati Bell</td>
<td>Asif Khan (Desk Analysis)</td>
<td>(212) 351-9737</td>
<td><a href="mailto:akhan@imperialcapital.com">akhan@imperialcapital.com</a></td>
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<td>GTT Communications</td>
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<tr>
<td>American Gilsonite</td>
<td>Kurt M. Hoffman (Desk Analysis)</td>
<td>(561) 214-7914</td>
<td><a href="mailto:khoffman@imperialcapital.com">khoffman@imperialcapital.com</a></td>
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<tr>
<td>American Greetings Corp.</td>
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<td>Moby S.p.A.</td>
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<td>Vertiv Group</td>
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# Emerging Markets (Credit Trading Desk Analysis)

**44 Companies**

- Albanesi
- Alfa/Alpek
- Ajecorp B.V.
- Andrade Gutierrez
- Becle SAB de CV
- Braskem
- BRF S.A.
- Canacol Energy Ltd
- Caribbean Debt Recovery
- Codere
- Companhia Siderúrgica Nacional
- DNO
- Digicel Group Limited
- Eldorado Brasil
- Embracer
- Enjoy
- Fibria
- Frontera Energy
- Genel
- Geopark
- Gerdau
- Gran Tierra Energy

**Grupo Kaltex**

- JBS S.A.
- Klabin
- Marfrig Global Foods
- Minerva Foods
- Nostrum Oil & Gas
- Nyrstar NV
- Odebrecht Engenharia e Construção
- Odebrecht Oil & Gas
- Offshore Drilling Holding
- Oi S.A.
- Petra Diamonds
- Petrobras
- Samarco
- Seadrill Ltd.
- Seadrill Partners
- Stoneway
- Suzano
- Topaz Marine
- Trafigura Group Pte Ltd
- USJ Açucar e Alcool SA
- Vale S.A.

# Energy, Exploration & Production

**20 Companies**

- Amplify Energy Corp.
- Ascent Resources Utica Hldgs
- Athabasca Oil Corporation
- Bellatrix Exploration
- Canbriam Energy
- Eclipse Resources
- EP Energy
- Gulf Keystone
- Jupiter Resources
- Kosmos
- MEG Energy Corp.
- Oasis Petroleum
- Rex Energy Corp.
- Sanchez Energy Corp.
- Seven Energy International
- Silverbow Resources
- Tapstone Energy
- Tullow Resources
- W&T Offshore
- Ultra Petroleum

# Energy, Exploration & Production (Equities)

**22 Companies**

- Alta Mesa Resources, Inc.
- Approach Resources, Inc.
- Bonanza Creek Energy, Inc.
- Callon Petroleum Company
- Centennial Resource Development
- Cimarex Energy Company
- Energy XXI Gulf Coast
- EOG Resources
- Extraction Oil & Gas
- Jagged Peak Energy
- Magnolia Oil & Gas
- Matador Resources Company
- Montage Resources Corp.
- Noble Energy, Inc.
- Parsley Energy, Inc.
- PDC Energy, Inc.
- Penn Virginia Corporation
- Pioneer Natural Resources Corp.
- Roan Resources, Inc.
- SRC Energy, Inc.
- Sundance Energy Australia Ltd.
- WPX Energy, Inc.
Energy, Exploration & Production (Equities)
16 Companies

Jason Wangler
jwangler@imperialcapital.com
(713) 892-5603

- California Resources Corporation
- Chaparral Energy, Inc.
- Chesapeake Energy Corp.
- Continental Resources, Inc.
- Denbury Resources, Inc.
- Diamondback Energy, Inc.
- Earthstone Energy, Inc.
- Frontera Energy Corp.
- Gulfport Energy Corp.
- Halcón Resources Corp.
- HighPoint Resources Corp.
- Kimbell Royalty Partners, LP
- Northern Oil & Gas, Inc.
- Ring Energy, Inc.
- Viper Energy Partners LP
- Whiting Petroleum Corp.

Energy, Exploration & Production and Oilfield Services (Capital Structure)
30 Companies

Jason Wangler
jwangler@imperialcapital.com
(713) 892-5603

- Archrock, Inc.
- Basic Energy Services
- California Resources Corporation
- Chaparral Energy, Inc.
- Comstock Resources, Inc.
- Covey Park Energy Holdings LLC
- Denbury Resources, Inc.
- FTS International, Inc.
- Indigo Natural Resources LLC
- Halcón Resources Corp.
- HighPoint Resources Corp.
- Northern Oil & Gas, Inc.
- Parker Drilling Company
- PetroQuest Energy, Inc.
- Yuma Energy, Inc.

Irene Haas
inhaas@imperialcapital.com
(713) 892-5606

- Alta Mesa Resources, Inc.
- Callon Petroleum Company
- Centennial Resource Development
- Extraction Oil & Gas
- Great Western Petroleum, LLC
- Legacy Reserves LP
- Magnolia Oil & Gas
- Matador Resources Company
- Montage Resources Corp.
- PDC Energy, Inc.
- Penn Virginia Corporation
- Pioneer Natural Resources Corp
- SRC Energy, Inc.
- Sundance Energy Australia Ltd.
- WPX Energy, Inc.

Energy, Oilfield Services (Equities)
6 Companies

Jason Wangler
jwangler@imperialcapital.com
(713) 892-5603

- Mammoth Energy Services, Inc.
- Natural Gas Services Group, Inc.
- Parker Drilling Company
- Pioneer Energy Services Corp.
- Solaris Oilfield Infrastructure, Inc.
- Superior Drilling Products, Inc.

European and International Banks (Credit Trading Desk Analysis)
33 Companies

David Havens
dhavens@imperialcapital.com
(212) 351-9457

- Allied Irish Banks
- Banco do Brasil
- Bank of Nova Scotia
- Barclays
- BBVA
- BNP
- Caixa Geral
- Commerzbank
- Coventry Building Society
- Credit Agricole
- Credit Suisse
- CYBG plc
- Deutsche Bank
- HSBC
- HSH Nordbank
- iberCaja Banco SA
- Intesa Sanpaolo
- Itau Unibanco
- Liberbank
- Lloyds Banking Group
- Norddeutsche Landesbank
- Nordea Bank
- Novo Banco
- Permanent TSB
- Provident Financial
- Royal Bank of Scotland
- Sabadell
- Santander
- Societe Generale
- Standard Chartered
- UBS
- Unicredit
- Virgin Money

Amy Hazelton
ahazelton@imperialcapital.com
(212) 351-9722
## Financial Services

12 Companies

<table>
<thead>
<tr>
<th>Kurt M. Hoffman (Desk Analysis)</th>
<th>4Finance Holding SA</th>
<th>nationstar mortgage</th>
</tr>
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<tbody>
<tr>
<td><a href="mailto:khoffman@imperialcapital.com">khoffman@imperialcapital.com</a></td>
<td>Ally Financial</td>
<td>Northstar Asset Management</td>
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<tr>
<td>(561) 214-7914</td>
<td>Bluestem Group</td>
<td>Northstar Finance Realty</td>
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<td>CNG Holdings</td>
<td>Sallie Mae</td>
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<td>Washington Mutual</td>
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<tr>
<td><a href="mailto:bsmith@imperialcapital.com">bsmith@imperialcapital.com</a></td>
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<td>(212) 351-9475</td>
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## Food & Grocery/Restaurants

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<tr>
<th>Mary Ross Gilbert, CFA</th>
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<tr>
<td><a href="mailto:mgilbert@imperialcapital.com">mgilbert@imperialcapital.com</a></td>
<td>Cerca Trova Restaurant Group</td>
<td>Stretford 79 plc/Iceland VLNco Ltd</td>
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<tr>
<td>(310) 246-3757</td>
<td>Dean Foods</td>
<td>SUPERVALU, Inc.</td>
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<td>FAGE Dairy Industry, S.A.</td>
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<td>The Fresh Market, Inc.</td>
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<td>General Nutrition Centers, Inc.</td>
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## Industrials/Equipment Rental

2 Companies

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<tr>
<th>Edward P. Mally, CFA</th>
<th>Ahern Rentals</th>
<th>Construction Partners</th>
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<tr>
<td><a href="mailto:emally@imperialcapital.com">emally@imperialcapital.com</a></td>
<td></td>
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<tr>
<td>(212) 351-9768</td>
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</tbody>
</table>

| Megan Barnett        |              |                       |
| mbarnett@imperialcapital.com |        |                       |
| (212) 351-9437       |              |                       |

## Industrials/Media

14 Companies

<table>
<thead>
<tr>
<th>Kirk Ludtke</th>
<th>CNH Industrial</th>
<th>MAI Holdings/Mark Andy</th>
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<tbody>
<tr>
<td><a href="mailto:kludtke@imperialcapital.com">kludtke@imperialcapital.com</a></td>
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<tr>
<td>(212) 351-9726</td>
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<td></td>
<td>Exide Technologies</td>
<td>Park Place International, LLC</td>
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<td>Flexi-Van Leasing</td>
<td>Shoes for Crews, Inc.</td>
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<td>Systems Maintenance Services</td>
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<td>iHeart Communications</td>
<td>Urban One, Inc.</td>
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## Insurance (Credit Trading Desk Analysis)

96 Companies

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<tr>
<th>David Havens</th>
<th>Achmea BV</th>
<th>Liverpool &amp; Victoria Friendly Society</th>
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<td><a href="mailto:dhavens@imperialcapital.com">dhavens@imperialcapital.com</a></td>
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<td>Mapfre SA</td>
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<tr>
<td>(212) 351-9457</td>
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<td>Markel Corp.</td>
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Page 6
Insurance (Credit Trading Desk Analysis)
Continued

David Havens
dhavens@imperialcapital.com
(212) 351-9457

- ASR Nederland NV
- Assurant Inc
- Assured Guaranty Ltd
- Athene Holding Ltd
- Aviva plc
- Axa SA
- Axa Equitable Holdings Inc.
- Brighthouse Financial Inc.
- BUPA Finance plc
- Caja de Seguros Reunidos Cia de Seguros & Reasseguros SA
- Chubb Ltd
- Cincinnati Financial Corp.
- Coface SA
- CNA Financial Corp.
- CNO Financial Group Inc.
- CNP Assurances
- Credit Agricole Assurances SA
- Direct Line Insurance Group plc
- esure Group plc
- Everest Re Group Ltd
- Fairfax Financial Holdings Ltd
- Farmers Insurance Exchange
- Great-West Lifeco Inc
- Groupama SA
- Guardian Life Insurance Co.
- Hannover Rueck SE
- Hanover Insurance Group Inc.
- Hartford Financial Services Group
- Hiscox Ltd
- La Mondiale SAM
- Legal & General Group plc
- Liberty Mutual Insurance Group
- Lincoln National Corp.
- Pension Insurance Corp plc
- Phoenix Group Holdings
- Principal Financial Group
- Progressive Corp.
- Protective Life Corp.
- Prudential Financial Inc
- Prudential plc
- Qatar Reinsurance Co. Ltd.
- QBE Insurance Group Ltd
- Reinsurance Group of America
- RenaissanceRe Holdings Ltd
- Rothsay Life plc
- RSA Insurance Group plc
- Sammons Financial Group Inc.
- Sampo Oyj
- SCOR SE
- Societa Cattolica di Assicurazioni SC
- Standard Life Aberdeen plc
- Swiss Life Holding AG
- Swiss RE AG
- Teachers Insurance & Annuity Co.
- Travelers Inc
- Unipol Gruppo SpA
- UNIQA Insurance Group AG
- Unum Group
- Vienna Insurance Group AG
- Vivat NV
- Voya Financial Inc.
- Willis Towers Watson plc
- W.R. Berkley Corp.
- XL Group Ltd
- Zurich Insurance Group AG

Industrial Hybrids (Credit Trading Desk Analysis)
31 Companies

Amy Hazelton
ahazelton@imperialcapital.com
(212) 351-9722

- AerCap Preferred
- BHP Billiton
- BNSF Funding Trust I
- Buckeye Partners LP
- Centaur Funding Corp.
- Centerpoint Energy Inc.
- CIT Group Inc.
- DCP Midstream LP
- Dominion Energy Inc.
- Emera Inc.
- Enbridge Inc.
- Enel Spa
- Energy Transfer Operating
- EnLink Midstream Partner
- Enterprise Products Operating
- General Motors Financial Company
- MPLX LP
- National Rural Utilities Cooperative
- NBCUniversal Enterprise
- Nextera Energy Capital
- Plains All American Pipeline
- PPL Capital Funding Inc.
- Southern Cal Edison
- Southern Company
- Southern Union Company
- Summit Midstream Partner
- Textron Financial Corp.
- TransCanada
- Viacom Inc.
- Vodafone Group Plc
- Wec Energy Group Inc.
Media/Entertainment (Equities)
14 Companies

David W. Miller
dmiller@imperialcapital.com
(310) 246-3682
AMC Entertainment
AMC Networks, Inc.
CBS Corp.
Cinemark Holdings, Inc.
Discovery, Inc.
Lamar Advertising
Lionsgate Entertainment
Madison Square Garden
MGM Holdings
MSG Networks
Netflix, Inc.
Outfront Media
Viacom, Inc.
Walt Disney Company

Retail
18 Companies

Mary Ross Gilbert, CFA
mgilbert@imperialcapital.com
(310) 246-3757
99 Cent Only Stores, Inc.
Bed Bath & Beyond, Inc.
Beverages & More, Inc.
BI-LO Holding
Dillard’s
Guitar Center, Inc.
HEMA Bondco I B.V./Dutch Lion B.V.
J.C. Penney Company, Inc.
J.Crew Group, Inc.
Jo-Ann Stores, Inc.
Lands’ End, Inc.
Macy’s, Inc.
Matalan Finance plc
Michaels Stores, Inc.
Neiman Marcus Group, Inc.
Nordstrom, Inc.
Rite Aid Corporation
Stretford 79 plc/ Iceland VLNco Limited

Security—Physical & Monitoring
8 Companies

Edward P. Mally, CFA
emally@imperialcapital.com
(212) 351-9768
ADT, Inc.
APX Group Holdings/Vivint
Diebold Nixdorf, Inc.
Interface Security Systems
Interface Special Holdings
Monitronics International
Prime Security Services
Resideo Technologies

Security and Technology Enabled Services (Equities)
19 Companies

Jeff Kessler
jkessler@imperialcapital.com
(212) 351-9701
ADT, Inc.
Alarm.com Holdings, Inc.
Allegion plc
Ascent Capital Group, Inc.
AXIS Communications AB
Axon Enterprise Inc.
The Brink’s Company
Control4 Corp.
Digimarc Corporation
FLIR Systems Inc.
G4S plc
Identiv, Inc.
Napco Security Technologies, Inc.
NICE Systems
Resideo Technologies
ShotSpotter, Inc.
Verint Systems
Vivint/APX Group
Zebra Technologies Corporation

Technology/Semiconductors and Storage/Other
14 Companies

Edward P. Mally, CFA
emally@imperialcapital.com
(212) 351-9768
Advanced Micro Devices
Blackboard
Global A&T Electronics
Gogo, Inc.
Manitowoc Company
Masco Corp.
Micron Technology, Inc.
Optimas OE Solutions
Rackspace Hosting, Inc.
Seagate Technology
Unisys Corp.
UTAC Holdings
Veritas Holdings Ltd.
Western Digital Corp.

Megan Barnett
mbarnett@imperialcapital.com
(212) 351-9437
Manitowoc Company
UTAC Holdings
Veritas Holdings Ltd.
Western Digital Corp.
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<th>Name</th>
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<td>David Havens</td>
<td><a href="mailto:dhavens@imperialcapital.com">dhavens@imperialcapital.com</a></td>
<td>(212) 351-9457</td>
<td>American Express Co., Bank of America Corp.</td>
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