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critical | data

National overview

Data center highlights | Mid-year 2011

Increasing demand driving national data center growth

Building on a strong 2011 national and international data center market, the later half of 2011 expects to see significant server growth as evidenced by increased consumer and business demand. Due to the thawing of capital markets, providers of data center space & services along with enterprise users are now able to make decisions after years of pent-up demand. Induced with increased deal volume, the supply of new and existing capacity has opened the door for consolidations, relocations, technology / equipment overhauls and new data center initiatives.

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National data center overview

Data center market updates (alphabetical order):

Chicago
Dallas / Ft. Worth
Los Angeles
New York / New Jersey
North Carolina
Pacific Northwest
Phoenix
Silicon Valley
Virginia

Jones Lang LaSalle Data Center solutions global contacts

Data Center Solutions contacts

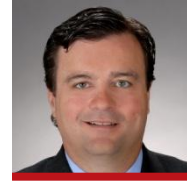
Practice leads



Bo Bond
+1 214 438 6238
bo.bond@am.jll.com



Tom Freeman
+1 214 438 6237
thomas.freeman@am.jll.com

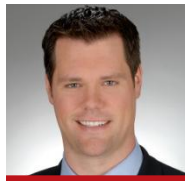


Curt Holcomb
+1 214 438 6240
curt.holcomb@am.jll.com

Research



Jackson Myers
+1 214 438 6391
jackson.myers@am.jll.com



Josh Foxwell
+1 214 438 6241
josh.foxwell@am.jll.com

National market overview

Increased technological enhancements of blade servers, cloud offerings and virtual software solutions are driving users of data center space to rework their current data center strategies and portfolios. Both private and public sector consolidation efforts have been 'top of mind' with most of the providers of these services (wholesale, retail, disaster recovery/business continuity, shared/managed/dedicated hosting, interconnection providers, etc) in the first half of 2011. With the thawing of capital markets, there is an increasing amount of available capital for companies (providers and enterprises) to access to support white floor expansion.

Through the first quarter of 2011, the data center market invokes a classic supply/demand imbalance. On the demand side, Jones Lang LaSalle's Data Center Solutions team estimates that over half of the Fortune 1000 companies will increase IT spending in 2011. Based on internal research, overall IT spending will increase by at least 5%; a quarter increase from 2010. IT specific spending will come primarily from increases in data center infrastructure components, i.e. servers and software to support cloud and virtualization.

As power consumption in data centers continues to increase, the biggest market driver has become energy. Users are increasingly concerned with power redundancy, capacity and cost; with all three driving location strategy.

- In other areas of the Midwest, approximately 15 MW of users have secured data center or colo space (i.e. Ascent Data Center, Digital Capital, et al).
- Wholesale supply is limited at about 45 MW. One or two large enterprise deals could significantly impact this supply and create a supply / demand imbalance.
- Two Fortune 100 companies made large investments in data centers utilizing 6+ MW's of power
- Lightbound delivered an 8 MW data in Indianapolis in July
- Minneapolis (Eagan) joint venture development of a 100,000 SF data center with Five 9's Digital LLC approved in April

Northeast

- The financial service industry continues to be the cornerstone of this regional market followed by the Hosting, Media, Pharmaceutical, Retail and Telecom.
- DuPont Fabros Technology opened its first New Jersey facility at the end 2010. Sentinal Data Centers is opens its first New Jersey facility in 2011.
- In Boston, Paetec added the 42,000SF of colo space.
- i/o just committed to 800,000 SF – a former NY Times printing facility
- Equinix started construction on a 320,000 SF expansion to add to its Secaucus portfolio. (Will be able to accommodate 2,200 server racks.)

Southeast

- Southeast US continues to be a top location alternative for large Enterprise users with companies such as American Express, Apple and Facebook making announcements within the last 12 months.
- Many East Coast companies are transitioning and moving south to take advantage of cheap, accessible power paired with strong incentive packages.

REGIONAL MARKET HIGHLIGHTS

Midwest

- Demand is driving increased absorption. There is approximately 35 MW of demand remaining in the Chicago area alone.
- Over 10 MW of users secured data center or colo space in 2010.

National market overview

West Coast

- Due to the lower power costs and superior service levels of Silicon Valley Power, Santa Clara's public utility, new demand has been directed specifically to the Santa Clara; a submarket of Silicon Valley.
- San Diego is experiencing significant growth and new demand has pushed for approximately 4 MW of new construction.

Northwest

- Demand increases as users look to take advantage of the temperate climate by utilizing outside air economization to increase efficiency and reduce costs
- Multiple landlords are actively searching for development opportunities – specifically in the Puget Sound, Eastern Washington & Portland, OR area
- Massive colocation growth in Seattle to satisfy the robust high-tech/biotech industry

Southwest

- Large telco's (Windstream & CenturyLink) continue to acquire and finalize (Hosted Solutions, Qwest, SAVIS, etc.) target data center-centric acquisitions
- Dallas / Ft Worth has experienced growth requirements from various industries with demand projected to grow at an average rate of 13% thru 2014, placing a burden on an already constrained market.
- Phoenix is experiencing significant demand and has taken approximately 25 MW of capacity from 2010 - 2011.

WHAT TO LOOK FOR

- Wide adoption of Cloud Service by SMB's
- Worldwide Debt Crisis will negatively affect future data center development
- Multiple expansions in the top 6 US data center markets of new data center developments by many of the larger providers
- Speculative data center developments will occur by real estate developers that are new to the marketplace....look for winners and losers!
- Private equity will continue to invest heavily into the marketplace
- Continued IPO interest in the sector
- Incentive packages for large data center projects are in question due to the health of current State budgets
- Further growth in the tablet/smart phone market (and associated apps) will contribute to greater data center consumption
- Increased importance on latency
- N configurations to support non-critical functions
- Deal velocity in Santa Clara will counter balance the growing inventory

Researched by: Jackson Myers & Josh Foxwell
Jones Lang LaSalle, Data Center Solutions

Edited by: Bo Bond, Tom Freeman & Curt Holcomb
Americas team leads
Jones Lang LaSalle, Data Center Solutions



Power costs	➔	
Capacity – COLO	⬆	
Capacity – Enterprise	⬆	
Absorption – COLO	⬆	
Absorption – Enterprise	⬆	
New construction (SF)	⬆	
New construction (price/SF)	➔	
Rental rates – COLO	➔	
Rental rates – power / shell	⬆	
Incentives	⬆	

Ascent – Chicago IL

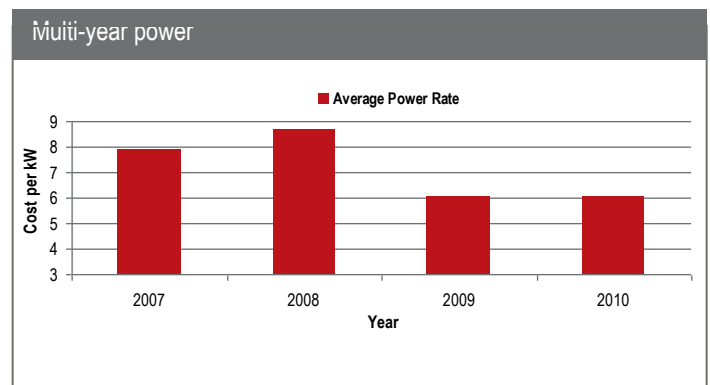
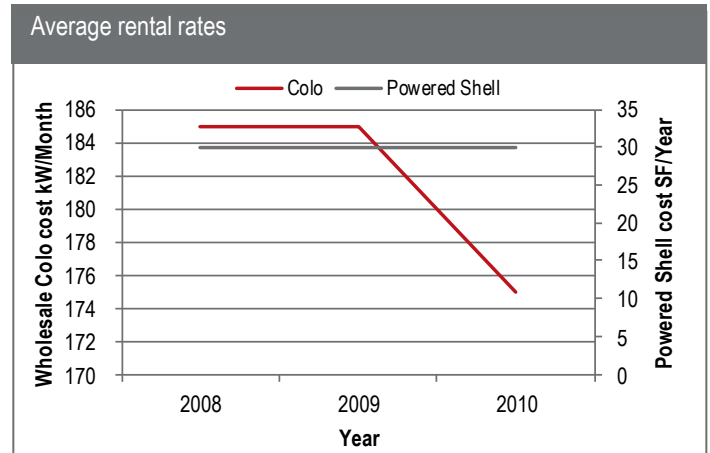
Arrows represent change from prior quarter

Data center overview

- Chicago's international appeal has continued to attract new large corporate HQ's such as Groupon, Tate & Lyle, Navistar, UAL, BP and MillerCoors
- This growth has increased demand for data center space, with companies such as Comcast 1.8 MW; taking down wholesale space
- Over 10 MW of users secured data center or COLO space in 2010 and another 20 MW of users are active in metro Chicago
- Additionally there are a number of national collocation providers and developers that have considered expansion into the Chicago market, such as Rackspace expanding by an estimate 2.5 MW
- Metro Chicago has seen an increase in supply as over 40 MW of new wholesale / COLO and powered shell is available in Downtown Chicago and over 20 MW of new wholesale / COLO and powered shell in Suburban Chicago

Significant data center transactions		
Comcast	Wholesale	1.8 MW
Fidelity Information Systems	Renewal	70,000 SF
Rackspace	Expansion	2.5 MW
Latysis	Expansion	40,000 SF
Confidential Pharmaceutical	Wholesale	4.2 MW

Significant availabilities		
DFT - Phase 2	COLO	18 MW
Ascent - Phase 2	COLO	30 MW
CoreSite	COLO	4 MW
CoreLink	COLO	8 MW
Latisys	COLO	4 MW



Sean Reynolds
+1 312 228 3091
sean.reynolds@am.jll.com

Matt Carolan
+1 312 228 2513
matt.carolan@am.jll.com

Power costs	▼	 <p>Blue Cross Blue Shield Dallas Ft. Worth TX</p>
Capacity – COLO	▼	
Capacity – Enterprise	▲	
Absorption – COLO	▲	
Absorption – Enterprise	▲	
New construction (SF)	▲	
New construction (price/SF)	▲	
Rental rates – COLO	▶	
Rental rates – power / shell	▶	
Incentives	▲	

Arrows represent change from prior quarter

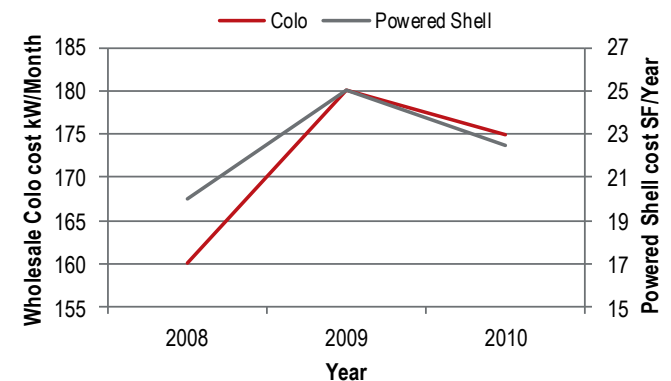
Significant data center transactions		
CSC	New	1 MW
ViaWest	New	90,000 SF
Equinix	Expansion	50,000 SF
Fiserv	New	2 MW
Morgan Stanley	New	1.1 MW
Internap	New	130,000 SF

Significant availabilities		
3000 Skyline	Powered Shell	750,000 SF
ViaWest	COLO	40,000 SF
Lincoln / RH	Powered Shell	150,000 SF
CyrusOne	COLO	5 MW
BlueCross BlueShield	COLO	4-8 MW
Digital Realty Trust	COLO	7 MW

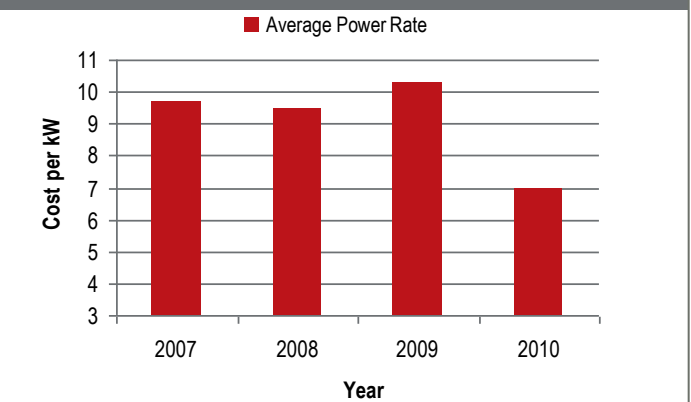
Data center overview

- Strong business climate and robust infrastructure make this area a Top 6 US market
- Approved in June, Texas HB 1841 states businesses using internet hosting in the state do NOT establish a business presence “nexus” in the state thus freeing hosting and data center operations from collecting sales and use taxes from their customers
- Demand is projected to grow at an average rate of 13% thru 2014, placing a burden on an already constrained market
- Rental rates softened in the early part of 2011 as landlords competed to land tenants prior to new construction hitting the market
- The single-tenant enterprise market was strong as build-to-suits delivered in Allen and Ft. Worth
- 2011 outlook is an increasingly limited supply to meet the demand until the new construction is completed in mid 2012

Average rental rates



Multi-year power



Bo Bond
+1 214 438 6391
bo.bond@am.jll.com

Curt Holcomb
+1 214 438 6240
curt.holcomb@am.jll.com



Power costs	▲	<p>Latisys – Irvine CA</p>
Capacity – COLO	▲	
Capacity – Enterprise	▼	
Absorption – COLO	▲	
Absorption – Enterprise	▶	
New construction (SF)	▲	
New construction (price/SF)	▶	
Rental rates – COLO	▲	
Rental rates – power / shell	▲	
Incentives	▶	

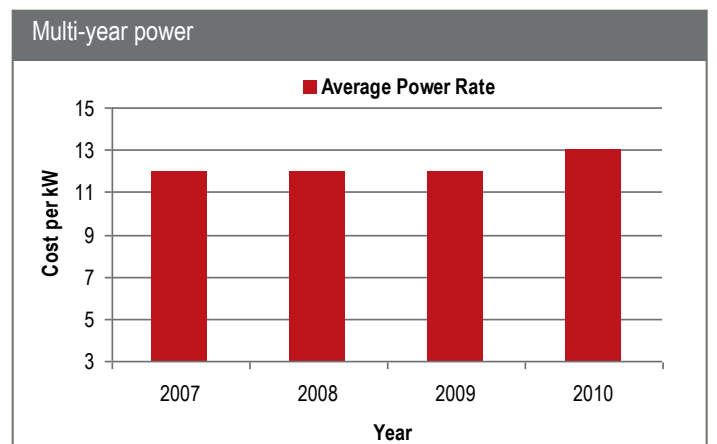
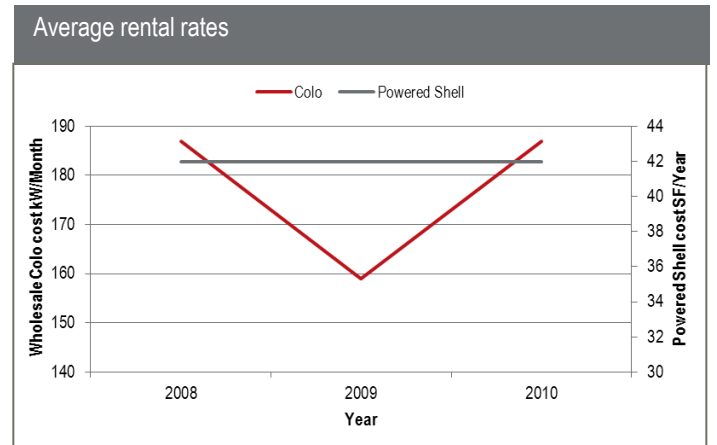
Arrows represent change from prior quarter

Data center overview

- As a result of activity from the entertainment enterprises and others including financial and professional services, COLO companies are benefitting and continuing to expand in Downtown Los Angeles
- 444 Nash was sold to T-5 Partners MCF, which is demolishing the original building and constructing a new 85ksf tilt-up with steel roof structure. The first conditioned pod will be delivered in 2Q2012.
- Some hospitals are planning for data center expansions that may involve a partial outsourcing of their IT operations while they plan enterprise level expansions
- Power rates continue to rise from most utilities (LADWP and Southern California Edison) in the area, with the exception of some that are owned by separate municipalities (Burbank, Glendale and Pasadena)
- Rates for COLO space have stabilized to current levels ranging between \$100 to \$150 per kW on a net comparable basis. Subject to market conditions, including demand, rates in the buildings that are trading will likely increase

Significant data center transactions		
Alchemy Communications	Bldg Lease	40,000 SF
LinkedIn	Wholesale	50,000 SF
China Telecom	COLO	5ksf/500kW

Significant availabilities		
444 Nash St., El Segundo, CA	Powered Shell Tier III Consolidated	23 MW
Latisys - 17400 Von Karman Ave., Irvine	COLO	20 MW
Streaming Media Hosting, 2641 LaPalma, Anaheim	COLO	7 MW



Michael Siteman
+1 310 595 3641
michael.siteman@am.jll.com

Jason Warner
+1 213 239 6090
jason.warner@am.jll.com



Power costs	➔	<p>DuPont Fabros – Piscataway NJ</p>
Capacity – COLO	⬆️	
Capacity – Enterprise	➔	
Absorption – COLO	⬆️	
Absorption – Enterprise	➔	
New construction (SF)	⬆️	
New construction (price/SF)	➔	
Rental rates – COLO	➔	
Rental rates – power / shell	➔	
Incentives	➔	

Arrows represent change from prior quarter

Data center overview

- Proximity to Manhattan and robust infrastructure make Northern New Jersey one of the top U.S. markets with over 2M SF of enterprise facilities and over 1.5M multi-tenant facilities
- Market trend continues with strong COLO leasing as companies look to partner and preserve cash flow
- Absolute lack of legacy available enterprise data centers
- Financial service industry continues to be corner stone of the market followed by the pharmaceutical, media, telecom and hosting
- Rental rates softened throughout 2010 as continued economic climate persisted and new wholesale inventory came on line
- DuPont Fabros Technology opened its first New Jersey facility in the fall of 2010
- Sentinel Data Centers opens its first New Jersey facility in Q1 2011
- i/o Data Centers leases 831,427 SF building, and is marketing prefabricated modular data centers
- Digital Realty Trust bringing 20,000 SF of new availability to 300 Blvd E, Weehawken NJ

Significant data center transactions		
Retail COLO	Expansion	75,000 SF
Financial services	Expansion	1MW
Net2Ez	New	1MW
Pharmaceutical company	New	20,000 SF
Retail COLO	Renewal	38,017 SF

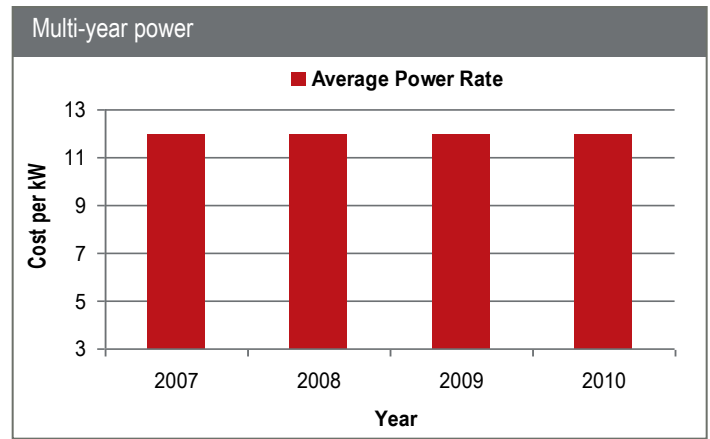
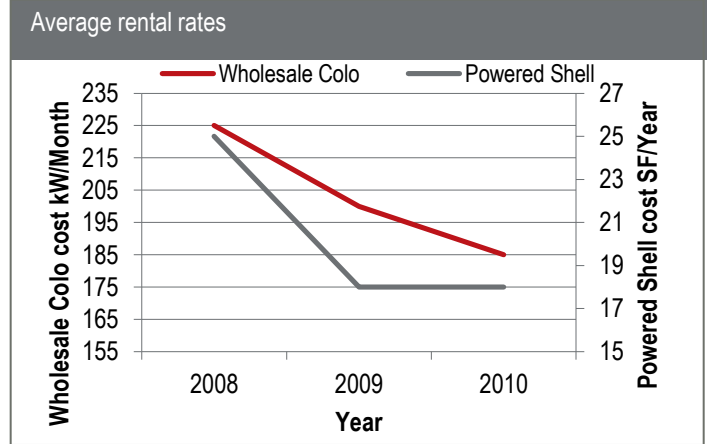
Significant availabilities		
Digital Realty Trust - Piscataway	COLO-Powered Shell	22,000 - 60,000 SF
Digital Realty Trust - Somerset	Powered Shell	127,000 SF
Digital Realty Trust - Weehawken	COLO	10,000 SF
DuPont Fabros	COLO-Powered Shell	68,900 - 180,000 SF
Sentinel Data Centers	COLO-Powered Shell	10,000 - 120,000 SF
Cervalis	COLO	40,000 SF
i/o Data Centers-Edison	COLO	3 MW

Jonathan Meisel
+1 973 404 1475

Summer Putnam
+1 973 404 1513

Thomas Riley
+1 973 404 1476

jonathan.meisel@am.jll.com summer.putnam@am.jll.com thomas.riley@am.jll.com



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Resources: Jones Lang LaSalle, Data Center Solutions, Gartner Research, Tier1Research
For general information, please contact us: bo.bond@am.jll.com +1 214 438 6238 jackson.myers@am.jll.com +1 214 438 6391 or josh.foxwell@am.jll.com +1 214 438 6241



Power costs	↓
Capacity – COLO	↓
Capacity – Enterprise	↑
Absorption – COLO	↑
Absorption – Enterprise	↑
New construction (SF)	↑
New construction (price/SF)	↑
Rental rates – COLO	↑
Rental rates – power / shell	→
Incentives	↑



Innovation Park – Charlotte NC

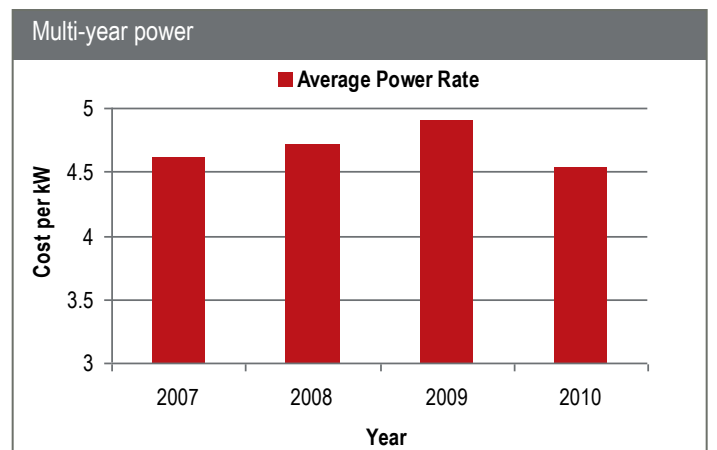
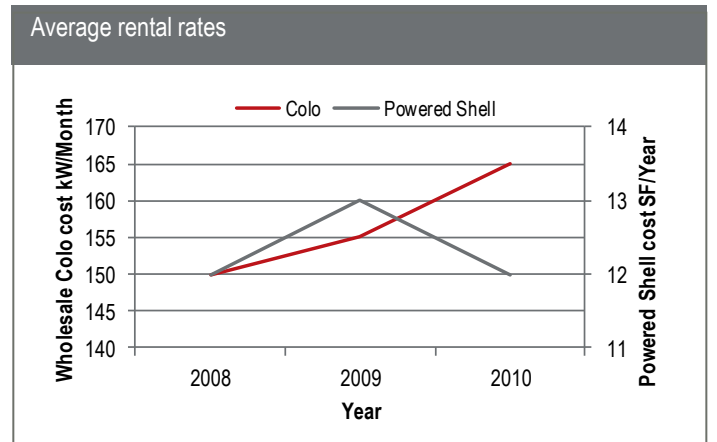
Arrows represent change from prior quarter

Significant data center transactions		
Hosted Solutions	Expansion	8,000 SF
TIAA-CREF	COLO	8,000 SF
Wipro Infocrossing	Powered Shell	215,000SF
American Express	New	510,000SF
Facebook	New	\$450M

Significant availabilities		
T5 Maiden	Powered Shell	150,000 SF
T5 Kings Mountain II	Powered Shell	150,000 SF
Innovation Park	Powered Shell	300,000 SF
414 N. Church St.	2 nd Generation Data Center	27,000 SF
4004 E. Chapel Hill Road	Powered Shell	36,000 SF

Data center overview

- Wipro Infocrossing purchased their 215,000 SF powered shell for \$14.8M
- North Carolina continues to see strong interest from enterprise users
- Reliable low cost power from two very respected utilities has added to North Carolina's allure to data center users
- Demand for enterprise space continues to expand and powered shells are now hitting the market geared specifically to the data center user
- There is little available COLO space which is driving demand for additional space for the hosted solutions providers
- 2011 outlook is increasing limited supply of COLO space until new construction is completed. Powered shell supply will increase with the completion of the 250,000 SF; T5 Kings Mountain in 2Q



Guy Harvey
+1 919 424 8179
guy.harvey@am.jll.com



Power costs	▲	<p>Sabey – Seattle WA</p>
Capacity – COLO	▲	
Capacity – Enterprise	▲	
Absorption – COLO	▲	
Absorption – Enterprise	▲	
New construction (SF)	▲	
New construction (price/SF)	▶	
Rental rates – COLO	▶	
Rental rates – power / shell	▶	
Incentives	▼	

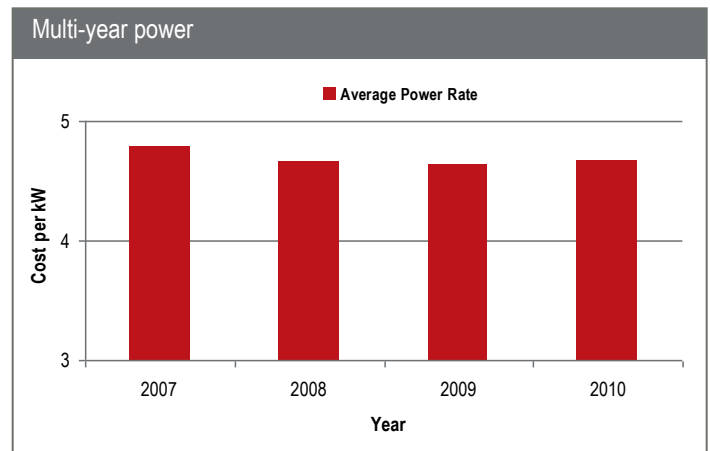
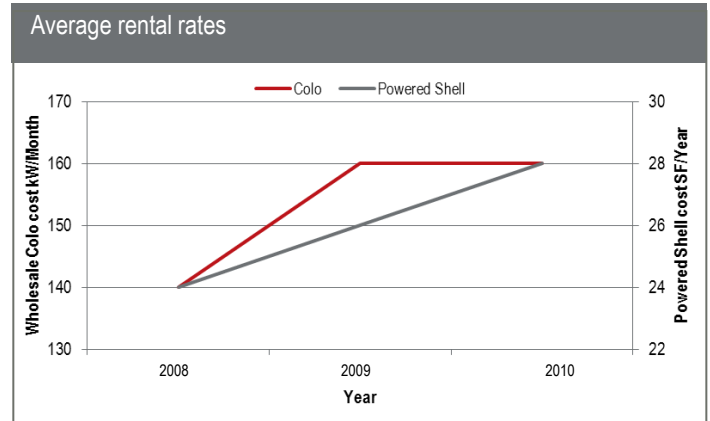
Arrows represent change from prior quarter

Data center overview

- Recent, massive tenant demands have created a shift in the local market and have driven COLO growth
- Limited supply of finished data center product keep demand high
- Over 200,000 SF of COLO expansions in 2010
- 2011 has signaled a potential increase in data center construction, including but not limited to an expansion at the Westin Facility
- Growing number of data center acquisition interest

Significant data center transactions		
Amazon	Expansion	50,000 SF
Corelink	Expansion	45,000 SF
Internap	Expansion	40,000 SF
Savvis	Expansion	80,000 SF

Significant availabilities		
Intergate East	Powered Shell	80,000 SF
South Hill Data Center	Fully Commissioned Data Center	60,000 SF
3101 Western Avenue	Existing Data Center	2.6 MW
Stadium Innovation	Powered Shell	6 MW



Conan Lee
+1 206 607 1723
conan.lee@am.jll.com



Power costs	➔	<p>i/o Data Center – Phoenix/Scottsdale</p>
Capacity – COLO	➔	
Capacity – Enterprise	➔	
Absorption – COLO	⬆	
Absorption – Enterprise	⬆	
New construction (SF)	⬆	
New construction (price/SF)	⬇	
Rental rates – COLO	➔	
Rental rates – power / shell	➔	
Incentives	➔	

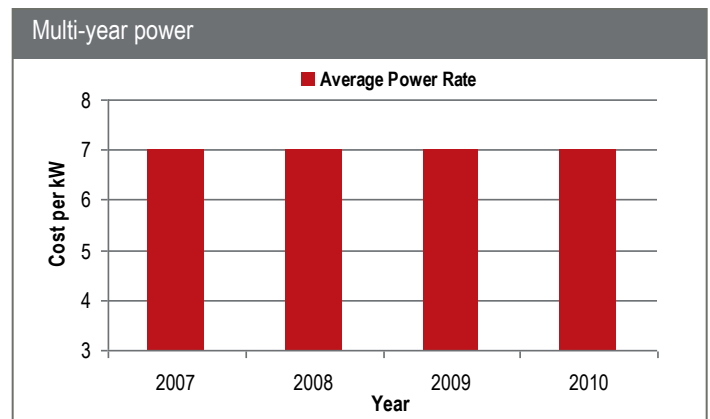
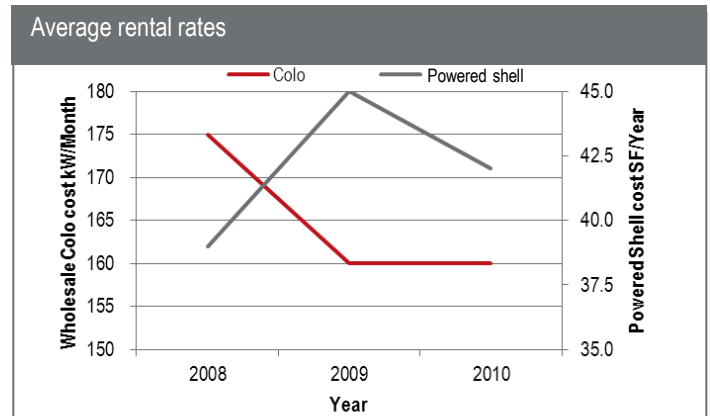
Arrows represent change from prior quarter

Data center overview

- Demand continues to exceed supply in the Phoenix market, currently trading 35 MW of demand
- Approximately 20 MW of critical IT load and 170,000 SF of raised floor can be delivered in 2011
- Cost of power remains steady at approximately \$0.069/kWh, an average between the two power providers
- Market rents for wholesale hover at \$145 - \$175 PkWh range
- New activity in greenfields “spec” development
- Increase in tenant competition for available quality space
- Continued interest from enterprise users in sourcing third-party COLO options
- i/o Data Centers begins production of i/o ANYWHERE modular product at Phoenix plant to be deployed at i/o Phoenix and i/o New Jersey
- Digital Realty Trust Phase II of Chandler facility delivers 1.2 MW pod August 2011. Additional pods delivered November 2011.
- Cyrus One announces new greenfield site

Significant data center transactions		
Experia	COLO	20,000 SF / 3 MW
Starwood Hotels	COLO	10,000 SF / 1.125 kW
A ECOM	COLO	1,200 SF / 300 kW

Significant availabilities		
Digital Realty Trust – Chandler Phase II 2Q11	COLO	116,000 SF / 13 MW
Phoenix NAP	COLO	45,000 SF / Approx. 4-6 MW
i/o Data Centers XQ11	COLO	175,000 SF shell



Mark Bauer
+1 602 282 6259
mark.bauer@am.jll.com

Carter Robinson
+1 602 282 6260
carter.robinson@am.jll.com



Power costs	▲	
Capacity – COLO	▲	
Capacity – Enterprise	▲	
Absorption – COLO	▲	
Absorption – Enterprise	▲	
New construction (SF)	▲	
New construction (price/SF)	▶	
Rental rates – COLO	▶	
Rental rates – power / shell	▶	
Incentives	▼	

Vantage – Santa Clara CA

Arrows represent change from prior quarter

Significant data center transactions		
Facebook	New	15 MW
Apple	COLO	3 MW
Red Sea Group	New	2.6 MW
Mozilla / Firefox	COLO	1 MW
Groupon	New	18 MW
Savvis	New	10 MW
Zynga	New	5 MW
Dropbox	COLO	1 MW

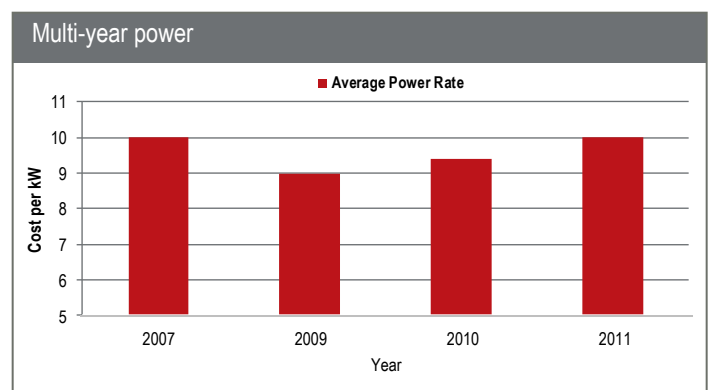
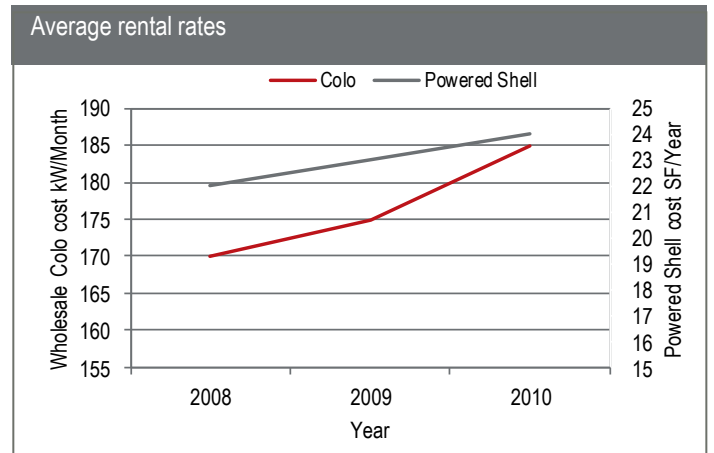
Significant availabilities		
CoreSite	COLO	10 MW+
800 Central Expy (DLR)	COLO	8 MW+
Server Farm	COLO	3 MW
1550 Space Park (DLR)	COLO	6 MW
Vantage	COLO	20 MW+


Ryan Atkinson
+1 650 493 1100
ryan.atkinson@am.jll.com

Bart Lammerson
+1 650 354 3331
bart.lammerson@am.jll.com

Data center overview

- The Silicon Valley data center market is extremely healthy and has more than weathered the larger economic downturn which looks to be in the past for the Silicon Valley
- Vacancy rates below 5%
- By the end of the 2Q 2011, several new projects will be brought online bringing a big jump in capacity to the market; approximately 20 MW, of which it is rumored 50% is already spoken for
- Due to the lower power costs and superior service levels of Silicon Valley Power, Santa Clara's public utility, new demand has been directed specifically to Santa Clara
- A secondary market has arisen in the surrounding cities, serviced by PG&E, for 2nd generation building conversions



Power costs	↓	
Capacity – COLO	↑	
Capacity – Enterprise	↑	
Absorption – COLO	→	
Absorption – Enterprise	→	
New construction (SF)	↑	
New construction (price/SF)	↑	
Rental rates – COLO	↓	
Rental rates – power / shell	↓	
Incentives	↑	

Arrows represent change from prior quarter

Significant data center transactions		
Amazon (DLR - Bldg E)	Powered Shell	152,138 SF / 9 MW
Equinix (DLR - Beaumeade)	Powered Shell	77,000 SF / 15 MW
Raging Wire (DBT Ashburn #1)	COLO	109,320 SF / up to 18 MW
ServInt	COLO - Expansion	300kW
Softlayer Technologies	Powered Shell	21,000 SF / 3 MW
Zynga	COLO - Expansion	5,600 SF / 1.138 MW

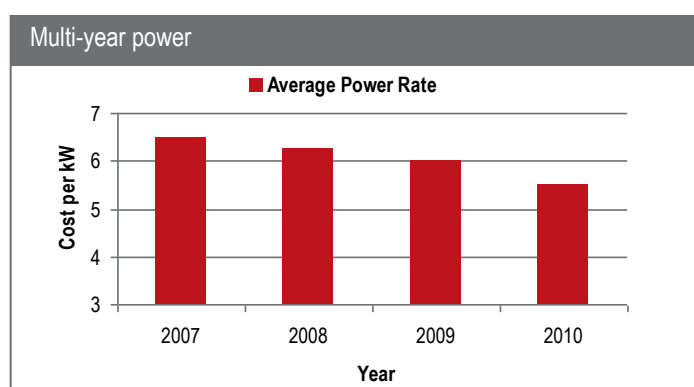
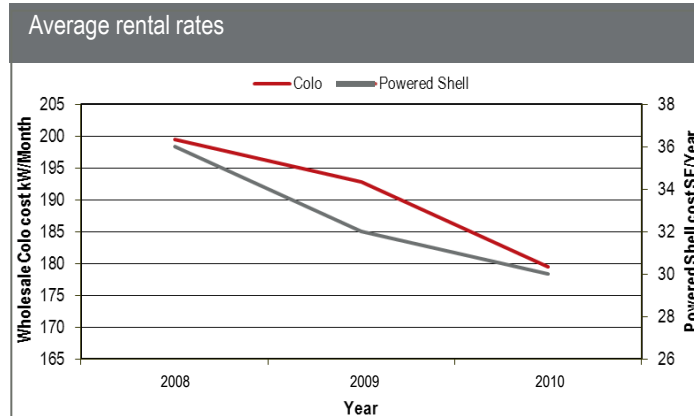
Significant availabilities		
CoreSite (Reston)	COLO	48,000 SF / 6 MW
DBT Telecom 2Q11 (Ashburn #2)	Powered Shell	100,000 SF / up to 20 MW
DFT ACC6 Ph I 4Q11 (Ashburn)	COLO	65,500 SF / 13.46 MW
Digital Realty Trust - Bldg E	Powered Shell	112,000 SF / 22.5 MW
PowerLoft 2Q11 (Manassas)	COLO	72,800 SF / 23 MW

Jeff Groh
+1 703 485 8833
jeff.groh@am.jll.com

Allen Tucker
+1 703 891 8396
allen.tucker@am.jll.com

Data center overview

- Ashburn, Virginia continues trend as Top 6 data center market in US for large and small COLO / enterprise market
- 2011 outlook provides excellent opportunity for colocation / enterprise markets given increasing supply and softening rental rates
- Presently over 4.2M SF of purpose built (both wholesale and colocation) data center space has been delivered in Northern Virginia in the past decade
- As of August 2011, the vacancy rate is approximately 8.25%
- Robust government business climate drives colocation / enterprise markets, cloud computing and intelligence community
- iCDC (Intelligence Community Data Center) RFP distributed Spring 2011 for 200k SF raised floor & 50 MW
- Sabey acquires 38 acres in Ashburn, No.VA for future development of 490k SF & 70+ MW
- Amazon acquires 5th building in No. VA, Building E from Digital Realty Trust; Feb. 2011
- QTS opens former Qimonda facility Nov. 2010 in Richmond, VA; 100k SF raised floor & 15 MW available as of July 2011
- Amazon acquires fourth building in No.VA. Sept. 2010; initially 50k SF of raised floor with 11.5MW



Real value in a changing world

About Jones Lang LaSalle's Data Center Solutions

In today's fast-changing business world, a sound data center strategy is essential to the long-term success of an organization. Without sufficient planning to align real estate and IT needs, data centers can account for a tremendous and costly impact on your bottom line—whether you are a user or an owner of this specialized space.

Jones Lang LaSalle is the only real estate firm with a fully dedicated global data center practice. Our Data Center Solutions team has developed the expertise through serving many of the world's largest corporations to deliver maximum value for your organization. Through our transactors, project and critical facilities managers, we understand the technical elements that are crucial to your facility regarding power, cooling, fiber, latency, utilities, redundancy, taxes, construction, public incentives and security.

Whether your goal is to create the most environmentally sustainable enterprise data center or to find the most cost effective hosting or colocation site, we can help design, lease, purchase, finance, build and manage your mission critical facility—and we do so while keeping perfectly in-line with your overall business objectives. For further information, please visit our website www.us.joneslanglasalle.com/datacenters

About Jones Lang LaSalle

Jones Lang LaSalle (NYSE:JLL) is a financial and professional services firm specializing in real estate. The firm offers integrated services delivered by expert teams worldwide to clients seeking increased value by owning, occupying or investing in real estate. With 2010 global revenue of more than \$2.9 billion, Jones Lang LaSalle serves clients in 60 countries from 750 locations worldwide, including 180 corporate offices. The firm is an industry leader in property and corporate facility management services, with a portfolio of approximately 1.7 billion square feet worldwide. LaSalle Investment Management, the company's investment management business, is one of the world's largest and most diverse in real estate with more than \$41 billion of assets under management. For further information, please visit our website, www.joneslanglasalle.com.

Jones Lang LaSalle | Global data center team

Market	Contact	E-mail address	Market	Contact	E-mail address
Pittsburgh	Dan Adamski	dan.adamski@am.jll.com	Seattle	Conan Lee	conan.lee@am.jll.com
No. California	Ryan Atkinson	ryan.atkinson@am.jll.com	New Jersey	Jonathan Meisel	jonathan.meisel@am.jll.com
Phoenix	Mark Bauer	mark.bauer@am.jll.com	Dallas	Brian Oley	brian.oley@am.jll.com
Dallas	Bo Bond	bo.bond@am.jll.com	New Jersey	Sumner Putnam	sumner.putnam@am.jll.com
Chicago	Matt Carolan	matt.carolan@am.jll.com	New Jersey	Thomas Reilly	thomas.reilly@am.jll.com
Atlanta	Mike Dolan	mike.dolan@am.jll.com	Chicago	Sean Reynolds	sean.reynolds@am.jll.com
Dallas	Josh Foxwell	josh.foxwell@am.jll.com	Phoenix	Carter Robinson	carter.robinson@am.jll.com
Dallas	Thomas Freeman	thomas.freeman@am.jll.com	Los Angeles	Michael Siteman	michael.siteman@am.jll.com
NoVA/DC	Jeff Groh	jeff.groh@am.jll.com	NoVA/DC	Allen Tucker	allen.tucker@am.jll.com
North Carolina	Guy Harvey	guy.harvey@am.jll.com	Los Angeles	Jason Warner	jason.warner@am.jll.com
Dallas	Curt Holcomb	curt.holcomb@am.jll.com	NYC	Gary Youm	gary.youm@am.jll.com
No. California	Bart Lammersen	bart.lammersen@am.jll.com	Boston	Greg Zais	greg.zais@am.jll.com