



Inside Towers

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[Verizon Focused on Densifying Network in Major Cities, CFO Tells Analysts](#)

verizon✓ Appearing at the annual MoffettNathanson Media and Communications Summit in New York last week, Verizon CFO Fran Shammo said the strike-plagued communications company is intends to continue building out its fiber, small cell and DAS networks in America's major cities. Shammo said he expects Verizon to budget \$17.2 billion to \$17.7 billion per year in capital expenditures going forward for both wireline and wireless spending.

"When you think about the wireless network, the fiber network, that's really where our concentration is right now," RCRWireless's Martha DeGrasse quoted Shammo telling the investors' conference. "We continue to densify that LTE network, continue to spend capital at a pretty consistent rate, actually increasing year-over-year, and we're doing that for the densification of LTE but also in preparation for 5G."

"All of the wireless [capital expense] spending is densification," Shammo added. "Although we still build macro cells, it has significantly decreased. It is all around the densification. So the majority of that capital is all going to densification."

Shammo noted small cells are an important part of network densification, and said it can take up to two years to get a small cell deployment underway. "It is about a 24-month period of time by the time you get a location, you negotiate with the landlord, you get the fiber to that location, because every single one of our small cells has fiber backhaul to a macro cell," Shammo said. "You need the time, plus vendors need to know exactly what your forecast is for equipment manufacturing."

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Visit **ONEVIZION** at **PCIA** Dallas May 24-25

[3 Day PCIA Wireless Infrastructure Show Opens Today in Dallas](#)

This is where decision makers in the wireless world make their annual connection and share visions of the future. The three-day event at the Hilton Anatole kicks off this morning with the 12th



Annual PCIA Golf Outing. Afternoon highlights include the Infrastructure Developers Forum Meeting and Lobbying 101 where attendees will learn the tricks of the trade from some of the best public affairs professionals in Washington: how to run a congressional meeting, how to frame an issue to make it relevant to policymakers, how to influence bureaucratic agencies, and how to use the media to help reach policy goals.

The Big Three public Towercos – American Tower Corp. Crown Castle, and SBA Communications -- will be there along with a slew of the privately owned tower operators but the buzz of the show will likely be small cells, the evolution of 5G and international growth. Tuesday's show schedule features an impressive list of keynote speakers including T-Mobile SVP –Technology Strategy, Finance & Development Dave Mayo and AT&T SVP-Global Supply Chain Susan Johnson. *Inside Towers* will be there reporting.

A promotional banner for the PCIA show. The top half has a black background with the text "Make sure to visit our favorite exhibitors at PCIA" in white. Below this is a white rectangular area containing logos for several exhibitors: RHN Products LLC, BZ TELECOM, NATE National Association of Tower Erectors, advantage engineers, HUBER+SUHNER, Sunsight, BB&T Insurance Services, Sabre Industries, and ONEVIZION. To the right of the white area is a blue graphic of three jagged peaks resembling towers. Below the graphic is a grey button with the text "Click Here To Schedule A Meeting With Inside Towers" in blue.

If you'll be at PCIA this week, please stop by and say hello. To schedule a meeting with an Inside Towers Associate, please [email us](#) set up an appointment. For a complete list of PCIA exhibitors, click [here](#).

OSHA Publishes Final Rule on Tower Safety Reporting

The rule is intended to improve injury reporting by employers by require them employers to electronically report injury logs to OSHA along with year-end injury summaries of injuries. OSHA will then compile the information and prepare it for public consumption. The new rule most affects companies with 249 or few employees since those with 250 or more are already required to file reports electronically.

According to *nationalawreview.com*, the Rule divides employers (termed "establishments") into three categories: (1) those establishments that are subject to reporting regulations and have employed 250 or more employees at any time during the previous calendar year; (2) those establishments that have employed 20 or more employees but fewer than 250 employees at any time during the previous calendar year but only in certain designated industries; and (3) those establishments that are not required to submit electronically under either of the first two categories.

OSHA doesn't need to know everything. It specifically notes in the rules that no information that might identify the sick or injured employee is to be reported. And none of this is new work, said the agency, the only new requirement is the electronic reporting. Still, OSHA estimates the economic cost of the rule at \$15 million per year.

Obama's Gets Fastback Networks' Help at Rutgers 250th Commencement

The White House is known for deploying anything it takes to up Potus' game. Last week, President Obama delivered the commencement address to Rutgers University's graduating class at High Point Solutions Stadium in Piscataway, NJ, and he could be heard. And San Jose' CA's Fastback® Networks was dancing in the aisles too. The company's Intelligent Backhaul Radio (IBR) was used to provide the temporary wireless backhaul necessary carry the high capacity mobile network services during the president's address to an audience of 52,000.



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Tower Ticker

May 20, 2016 at Close

SYMBOL	TIME & PRICE	CHG & % CHG		DAY'S LOW & HIGH		VOLUME
AMT	04:02pm EDT 104.01	+0.24	+0.23%	103.63	104.43	1,630,193
AMX	04:00pm EDT 12.54	+0.04	+0.32%	12.48	12.70	1,777,262
CCI	04:03pm EDT 89.92	+0.39	+0.44%	89.32	90.07	1,609,607
CTL	04:01pm EDT 27.06	+0.14	+0.52%	26.84	27.21	4,540,600
DY	04:02pm EDT 71.97	+2.22	+3.18%	70.36	73.70	675,492
ERIC	04:00pm EDT 7.58	+0.07	+0.93%	7.56	7.62	1,933,140
FTR	04:00pm EDT 5.01	+0.05	+1.01%	4.95	5.02	11,892,191
LVL	04:02pm EDT 52.28	+0.51	+0.99%	51.92	52.46	1,550,922
S	04:03pm EDT 3.59	-0.07	-1.91%	3.58	3.66	6,597,511
SBAC	04:00pm EDT 97.30	-0.14	-0.14%	96.68	97.80	2,243,969
T	04:01pm EDT 38.45	+0.01	+0.03%	38.31	38.68	20,242,664
TMUS	04:00pm EDT 41.70	+0.89	+2.18%	40.89	42.11	6,929,541
VZ	04:01pm EDT 49.66	+0.03	+0.06%	49.47	49.80	15,164,445
ZAYO	04:01pm EDT 27.50	+0.14	+0.51%	27.25	27.70	1,040,906



Real-Time

Analysts Take Dim View of Verizon's Near Future As Strike Wears On



Prolonged strikes don't do anyone any good. And while the six-week-old action comprises about 40,000 mostly wireline and Internet staffers, the walkout has had a staggering effect – or distraction -- throughout the company and on the way Wall Street sees the entire operation. By weeks' end, some analysts had begun sharpening their focus on the communications operations.

Indeed, Verizon's striking workers lined up to protest outside of last week's MoffettNathanson Media Conference in New York, chanting slogans about "corporate greed." And Verizon's customers have noticed a clear lack of quality service in some markets including in the nation's capital where some FiOS TV lines were down last Thursday, apparently degrading Internet service. The wait to get a customer service representative was long. [Continue Reading](#)

Wells Fargo: Wireless Upgrade Activity Will Be Slower In Q2

The Wells Fargo team also warned investors that Verizon's wireless upgrade activity has been slow during the second quarter because many customers are waiting for the launch of new devices. "Accordingly, we lowered our Q2 and Q3 postpaid upgrade rates to 5.5 percent and 6 percent (vs. 6.5 percent and 6.5 percent prior). On the positive side, the lack of a new iconic device typically means that customer churn should remain low. On the bad news side, lower upgrades mean weaker equipment revenues, with customers holding onto devices for longer."

The analysts noted that the carrier "has also been less promotional in Q2 than in Q2'15" and said they saw "a slight negative change to porting trends in April. As a result, we are being more conservative with our net add estimates, lowering Q2 postpaid net adds to 659,000 (vs. 860K prior and 1.1 million in Q2'15)."

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Crown Castle Declares Quarterly Common Stock Dividend



**CROWN
CASTLE**

After the closing bell Friday afternoon, Crown Castle International's (NYSE: CCI) Board of Directors declared a quarterly cash dividend of 88.5 cents per common share. The quarterly dividend will be payable on June 30, 2016, to common stockholders of record at the close of business on June 17, 2016. Future dividends are subject to the approval of the Company's Board of Directors.

Adell Harriman Carpenter Buys \$7.1 Million Stake in American Tower Corp

The Houston-based financial planner picked up 10,426 additional shares in American Tower Corp during the most recent quarter according to a May 11, SEC filing. The investment now holds a total of 66,711 shares of AMT shares valued at \$7.1 million. American Tower makes up less than two percent of Adell Harriman Carpenter Inc.'s portfolio.



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Zoning & Moaning

California Village Residents Oppose Sprint Tower Plans

Sprint customers in Vandenberg Village, CA, may demand more data and Internet access on cell phones than ever before, but residents don't want the Sprint tower that comes with it. Sprint wants to build a 30-foot tower on an empty lot on Burton Mesa Road disguised as a eucalyptus tree, but neighbors say that doesn't match the look of surrounding trees on the lot. They also are concerned about possible property decline that may come with the tower.

News source *KEYT* reported residents were notified via a letter from the Santa Barbara County's Board of Agricultural Review that there was a proposal to build a 240-square-foot communications facility on the project. One resident, Karl Petrunak, said that there was no mention of a tower in the letter. Additionally, the planning department posted a public information sign about the tower at the proposed site.

The Agricultural Review's letter stated that residents could voice concerns at the next meeting, which was held Friday.

Volunteer Firefighters Show Emergency Tower Support

While a lawsuit has been filed against the sheriff, the Rensselaerville Planning Board and owners of the property in Edwards Hill, NY, opposing a communications tower, others including the town's volunteer firefighters don't share the same opinion.

Fifty firefighters were on hand at the May 12, Rensselaerville Town Board meeting to show support of a planned emergency communications tower, according to *The Altamont Enterprise*. An opinion column that ran in the *Enterprise* said that firefighters from Coeymans Hollow, East Berne, Knox, Medusa, New Salem, Onesquethaw, Rensselaerville, Voorheesville, and Westerlo came to thank board members and urge the town to support the tower's construction. The column said that it took three years of study for communications engineers to choose the site, and the writer, Linda Mormile, said the location would serve to both keep the town's beautiful views and provide needed emergency service communications.

Sublette County, WY Board Discuss Union Wireless Proposal

After a lengthy discussion on May 17, concerning the wireless company's proposal for a cell tower located in Pinedale, the commissioners decided to send the application back to the county Planning and Zoning Commission.

Previously, the zoning commission voted 3-2 to recommend rejection of the proposal. According to the Pinedale Roundup, commissioner Joel Bousman said, "There's a substantial amount of information P&Z did not have the first time around to clarify this situation."

Since the matter has been sent back for reconsideration, the Planning and Zoning Commission will hear arguments for the tower on July 21.

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Cell-ebration

Greenville, MI City Council Unanimously Approves Lease for Water Tower

The vote occurred during the May 17, City Council meeting. Verizon Wireless will lease space on Greenville's central water tower located in Veterans Park. Greenville is located near Grand Rapids, close enough for many residents to commute to the city for work. City officials believe the lease, which may last for five sequential three-year terms, will be an economic boon for the municipality.

The *Daily News* reported Verizon will pay the city more than \$33,000 a year, and the base rate will increase by 2.5 percent per year. The water tower in question is already the site for some of the city's communication equipment. City Manager George Bosanic said the lease agreement was divided into three-year terms because the city's charter does not allow for lease agreements to extend beyond three years.

AT&T also leases space on the water tower, spending approximately \$46,000 a year.

Veteran Talks About His W4W Experience: "They have my back"

By Benjamin Horvath - *Inside Towers* Special Correspondent



For thousands of veterans, the transition from military to civilian life can be a challenge. Simple things the average person experiences on a daily basis—going to work, paying bills, visiting with friends and family—are sometimes quite foreign for a transitioning veteran, whose average day consists of a well-regimented schedule in a highly-controlled environment.

Warriors 4 Wireless does its best to alleviate the difficulty veterans face during this time, and Kyle Frasier, who served in the Marine Corps shared his experience and talked about the devotion W4W showed to him.

"They always have my back," Frasier said. "They never let me down, and I would recommend it to any veteran."

[Continue Reading](#)

International

From Russia, With Humor: A Snappy Response to Snapped Swedish TV Tower

We didn't do it! Said our comrades on the other side of the North Pole. Do what? Snap that 1,080-foot TV Tower in Sweden that *Inside Towers* reported about last week. In fact, the Russians said the allegation that they were responsible for the action must have been "inspired by the James Bond movies," reported the Associated Press, quoting from the Facebook page of the Russian Embassy in Sweden.

The top portion of the mast near Boras in southwestern Sweden broke off late last weekend, *AP* reported, and slammed into the surrounding pine forest. There were no injuries, and no broadcasts, either, for a while. The embassy said Swedes have "a tradition to regularly look for a 'Russian trace,'" referring to last year's hunts for unidentified foreign submarines in Swedish waters.

No one at the Russian mission would comment further.

How Many Miles Per Gallon Does Your Tower Get?

Pressed for towers in remote areas of the great Outback, the Aussies have come up with a creative idea to turn a fleet of Toyota LandCruisers into emergency mobile hotspots. It is a collaboration between the Japanese automaker and advertising agency Saatchi & Saatchi, and Dr. Paul Gardner-Stephen of Flinders University, reports *cio.com.au*. The LandCruisers are equipped with a device that turns the vehicles into hotspots on an emergency network.

"The marrying of communications technology and the LandCruiser presents a huge opportunity for us to provide much-needed infrastructure to remote communities around Australia," said Brad Cramb, Toyota's divisional manager for national marketing.

The news site reported the device – which takes the form of a rugged yellow tube that can be stuck to the inside of a vehicle window – uses WiFi, ultra high frequency and delay tolerant networking to give the vehicles a 15.5 mile range. Vehicles fitted with the device form the so called 'LandCruiser Emergency Network'.

"Distressed parties in the range of the roaming network can use their ordinary mobile phone to log a call or send a geo-tagged message," said Dr Paul Gardner-Stephen who pioneered Serval Mesh, an app that enables Android phones to perform infrastructure-free, peer-to-peer voice, text and data services.

Tower Calendar

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Tower Jobs

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TowerCom We Connect Carriers. TowerCom is seeking an experienced Leasing and Title Manager for an immediate opening based in the Raleigh/Durham regional office.

Markets serviced include NC, SC, FL, AL, LA, MS, and AR.

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[Irish Tower LLC - DAS Installation Manager](#)

IRISH TOWER



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Company Profile

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Towers in Puerto Rico contributed by Richard of [Cat5 Resources](#)

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