

**THE POWER
OF MORE**

Morgan's Technology & Telecommunications Day

Presentation by Geoff Neate
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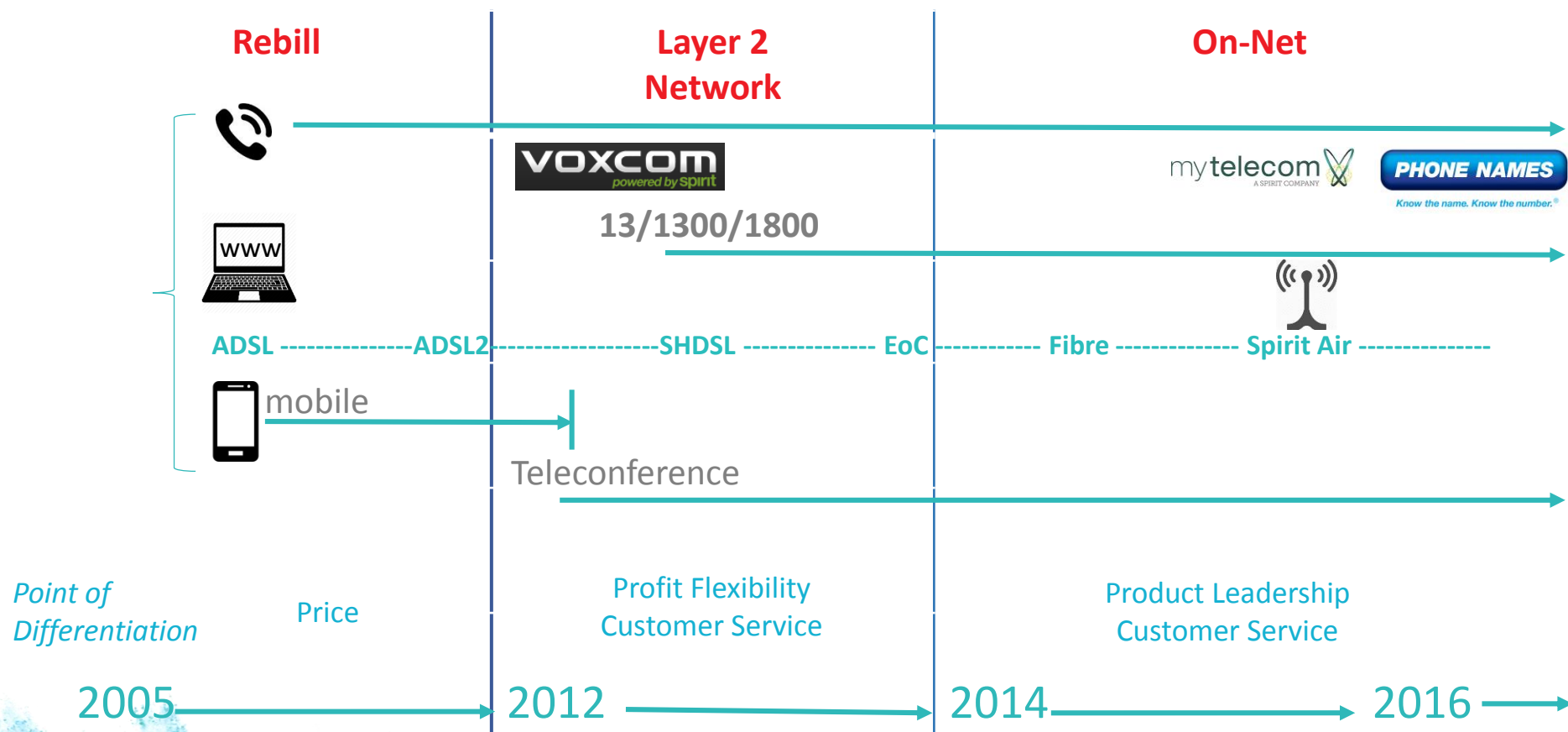
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Who is Spirit?

- Spirit Telecom Limited (ASX: ST1)
 - Market Cap \$28M (as at 1 May 2017)
- A fast growing niche Telecommunications Carrier, supplying superfast internet and ancillary services to key segments, including:
 - residential
 - business
 - student accommodation
 - community housing and
 - business parks
- Recognised as being Australia's fastest overall Internet Service Provider (ISP)¹.
- Successfully acquired and fully integrated Voxcom (2012), My Telecom (2015) and Phone Name Marketing (2016)
- Listed on ASX 26 June 2016

1. PC Mag 2015

Where have we come from?



Industry Changes

“Telco is working through a once-in-a-lifetime business model transition with the National Broadband Network (NBN) increasingly gaining traction, at the expense of earnings”



NBN has disrupted the industry

- Telstra moved from Carrier to Reseller
- TPG moved from Carrier to Reseller
- Optus moved from Carrier to Reseller
- Vocus moved from Wholesaler to Reseller

This is creating a margin squeeze, as ADSL customers move to NBN

ST1's margins have grown from 52% (1H16) to 61% (1H17)

BUSINESS SPECTATOR
NBN: The good, the bad and the downright unfair
 MARK GREGORY Business Spectator | 9:45PM February 16, 2015
 At the end of last year the fanfare surrounding the signing of the [revised Definitive Agreements](#) between NBN Co and Telstra overshadowed the release of NBN Co's Fibre to the Basement (FTTB) [product technical specification](#).

THE AUSTRALIAN
 NEWS OPINION BUSINESS REVIEW NATIONAL AFFAIRS SPORT LIFE TECH
NBN stuck in slow lane: Online rage erupts over connection speeds



itnews
 FOR AUSTRALIAN BUSINESS
Telco rivals slam govt intervention in Telstra price decision
 Juha Saarinen | Jul 23, 2015 1:32 PM
 Call on Turnbull to drop submission to ACCC inquiry.
 Some of Telstra's rivals have come out strongly against the Department of Communications' support for a hike in the regulated wholesale prices Telstra can charge access seekers for its copper network.
 promised us...

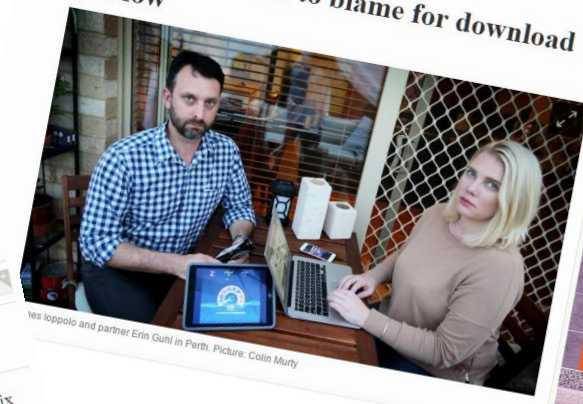
NBN Co chief hints that public must pay for future FttN upgrades
 01 March 2017 | Written by Sam Varghese

THE AUSTRALIAN
 NEWS OPINION BUSINESS REVIEW NATIONAL AFFAIRS SPORT LIFE TECH ARTS TRAVEL
I was wrong on NBN: It's a turkey
 The NBN could become costly.
 1027
 The Australian | 12:00AM October 15, 2016
 ALAN KOHLER Editor-at-large, The Australian Business Review | Melbourne | @AlanKohler



DARYL and JAYNE COLLINS
 Winchelsea, Victoria
 ADSL 2+, 2.3Mbps
 NBN tower nearby and within range but the couple say NBN is forcing them on to NBN Skymaster satellite system, which is expensive at \$260 a month

NBN says Telstra to blame for download go-slow



Australian households, businesses on NBN slam 'unreliable' connection

John Rolfe, Cost of Living Editor, News Corp Australia Network
 March 12, 2017 10:20am
 Subscriber only

THE AUSTRALIAN
 FOR THE INFORMED AUSTRALIAN
 NEWS OPINION BUSINESS REVIEW NATIONAL AFFAIRS SPORT LIFE TECH ARTS TRAVEL HIGHER EDUCATION
NBN disappoints customers
 The Australian | 12:00AM May 16, 2017

Like the Gonski education package and the National Disability Insurance Scheme, Labor's broadband project was a big idea with little serious thought about its practical workings or likely cost. Kevin Rudd promised an outlay of \$4.7 billion towards a National Broadband Network supposed to...

"Donald Trump's... him well on the campaign start playing the long..."
 RHY'S BLAKELY



NBN impact on the customer



**LAWRENCE
DRAYTON**
Asquith, NSW

	Download Speed*	Upload Speed*
Telstra \$95 plan **	100	40
Test result	1.83	19.04

“Every way you cut it the best average download speed for a \$60 user on the NBN is 0.587Mbps or 170GB per month”

Bevan Slattery Comms day 1/8/2016



VICKI OVEN
North Wyong, NSW

	Download Speed*	Upload Speed*
Telstra \$95 plan **	100	40
Test result	2.85	3.23

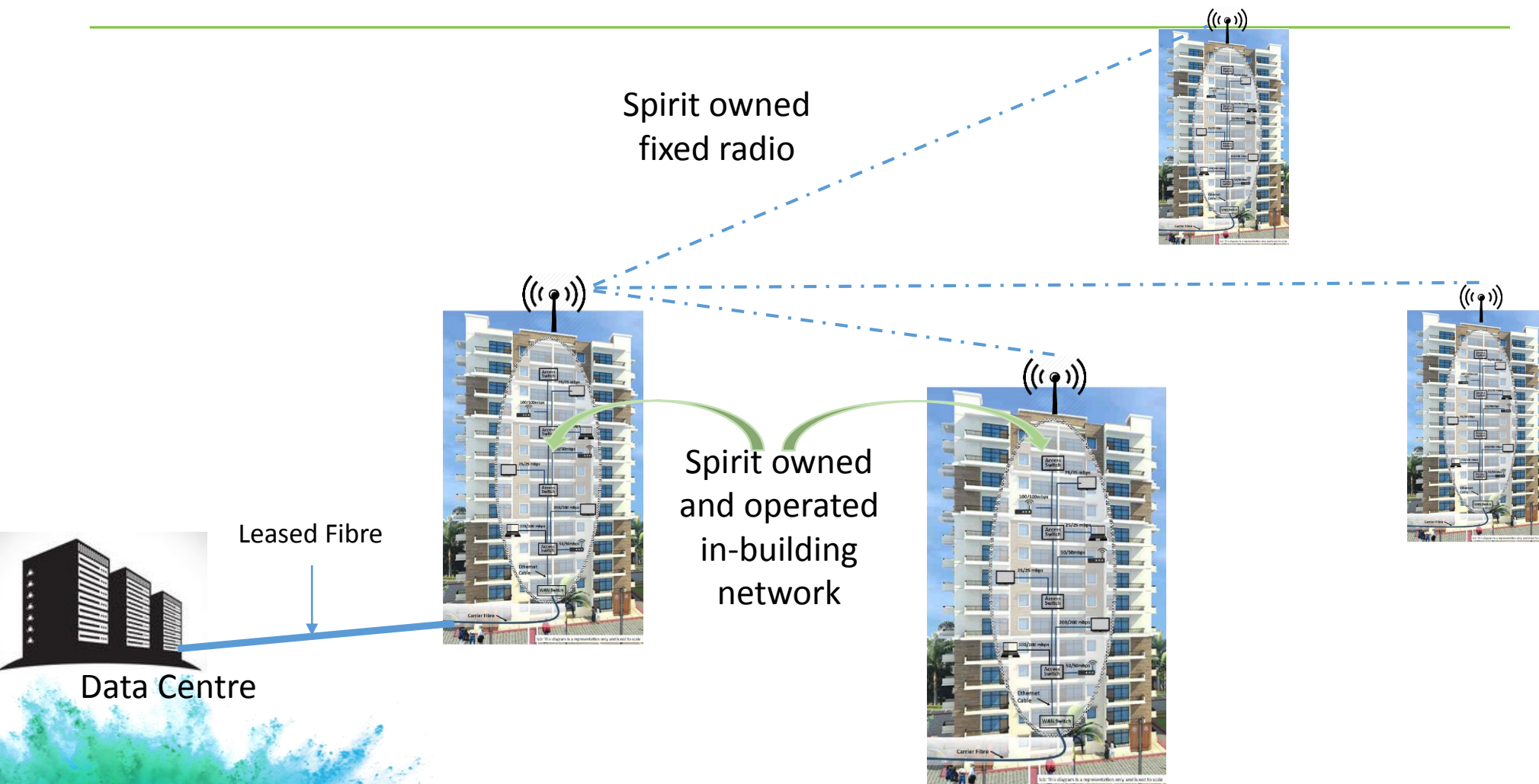
Taken from The Australian March 28 2017

Meanwhile...

Spirit delivers 200/200Mbps Internet speed on The Block in Melbourne. Wow! - <https://youtu.be/v4ge0rPVqkQ>



Spirit Business Model



NBN versus Spirit



So, a single end user on a 25/5Mbps NBN service requires a \$27 access fee and \$15.25 of CVC², compared to Spirit's less than \$10 for 25/25Mbps

1. Based on a 25/5 Mbps service
2. Based on industry average of 1Mbps/user

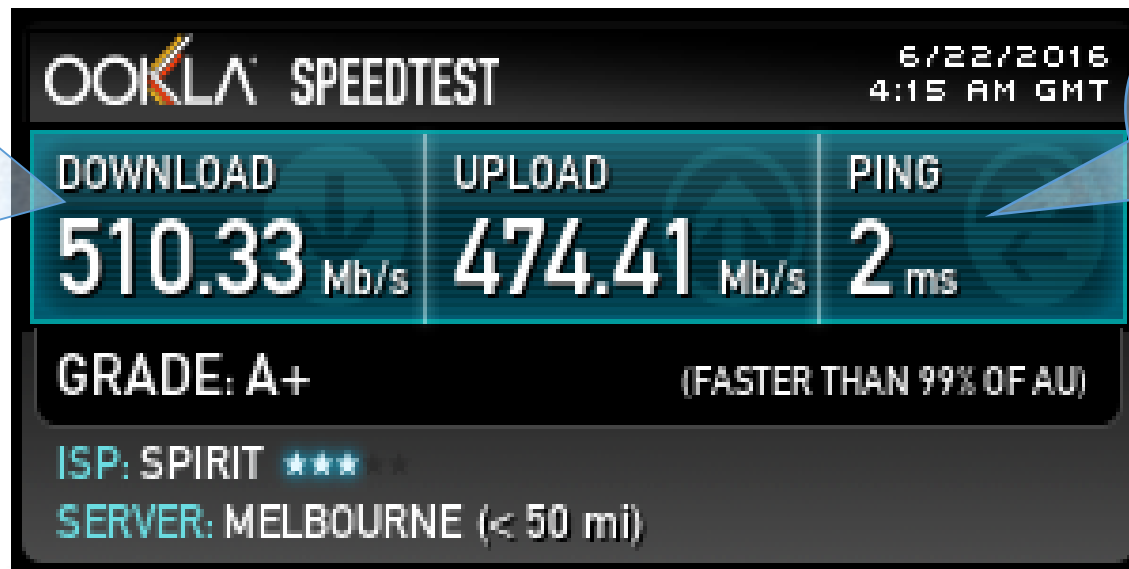
What makes fast internet?

There are two critical components that determine Internet Speed

1. Latency: the time to transmit data between points A and B
2. Bandwidth: The transmission capacity of a given connection

So using a freeway analogy.....

Bandwidth: how many cars can travel on a freeway



Latency/ "Ping" speed: how fast a car travels on a freeway

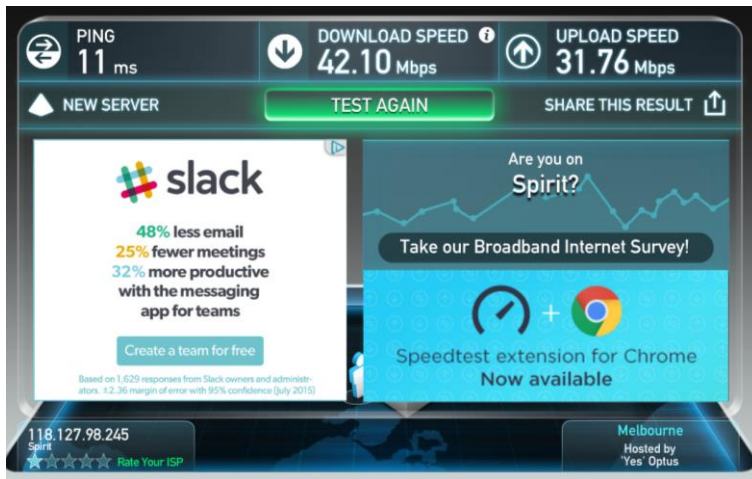
Case Study 1 – Spirit v NBN

Eureka Towers – Melbourne's tallest building

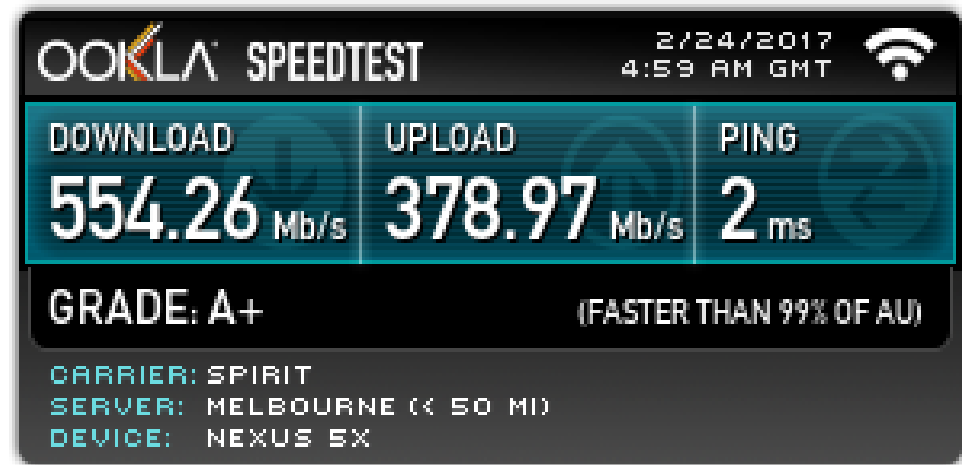
- NBN Installed November 2015
- Spirit signed 9th January 2017
- Spirit installed 24th February 2017
 - 1st customer connected 2pm 24th Feb 2017
 - 100th customer installed April 2017
- ROI
 - Revenue to date \$19k (includes some commercial)
 - Capex \$70k
 - Cash return <11 months



Eureka Speed Tests



Apartment in Eureka on NBN



WiFi speed test in Eureka foyer

- Same Building
- Same Provider (Spirit)
- Different network
- Dramatic improvement!

Case Study 2 – Spirit v Superfast competition



Southport Central – Gold Coast

- 700+ apartments, 300 SME's
- Freedom Internet already installed
- Spirit Install completed Dec 2016
 - 4 week install
- ROI
 - Revenue to March \$24k (includes commercial)
 - Capex \$80k
 - Cash return <11 months

Case Study 3 - Small and unloved

Irving Apartments Melbourne

- 12 Apartments
- NBN – “Jan-Jun 2019”
- Telstra – not sighted
- TPG – not sighted
- Spirit – Installed Aug 2016
 - 100% achieved Jan ‘17
- ROI
 - Capex \$10k
 - YTD Revenue to March \$7k
 - Cash return <11 months



Growth & Leverage

18,100 (March 17) Connected Apartments

⇒ \$65 ARPU

⇒ 21% average penetration

⇒ \$247,000 monthly revenue

If 100% penetration*

⇒ @\$65 ARPU = \$1,176,500 monthly revenue

Additional \$929,000 monthly

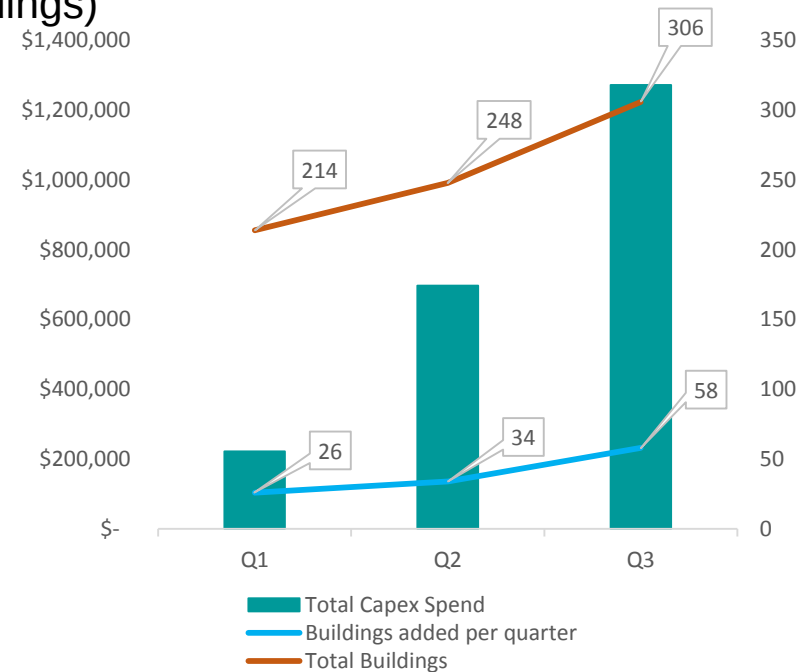
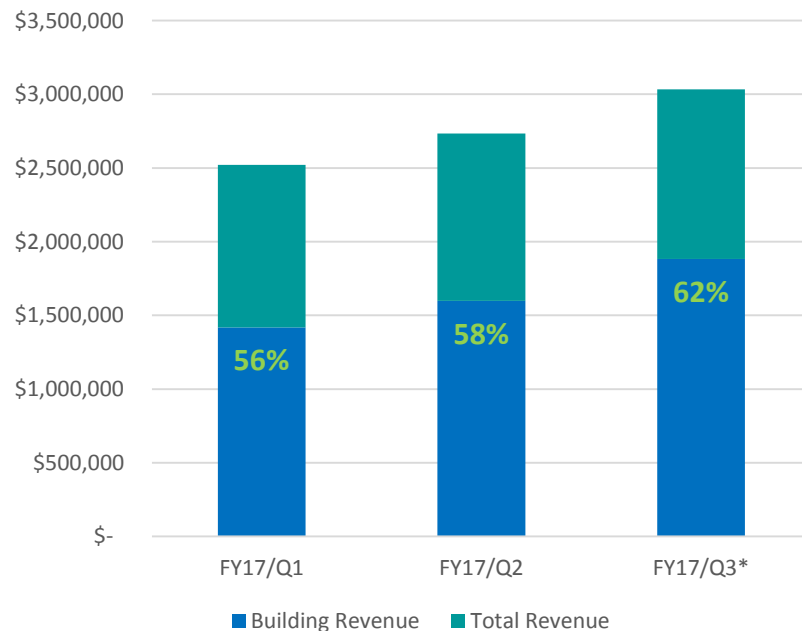
Or \$11,154,000 annual...straight to EBITDA



*For demonstration purposes only, not an expectation of reaching 100% of all buildings

The Greater Spirit

- 70% Commercial – MDU's; Business Parks & Single dwellings (factories, shops)
- 306 On-net buildings
 - 118 added this FY
 - Capex/building \$10-\$11k (outside marquee buildings)



Think Again!

