

fastbrick robotics

AGM – 24 November 2016

AGM Agenda

1. Welcome
2. Open
3. CEO Presentation
4. Formal Business
5. Close



Key activities – CY16

- ✓ November 2015 - Listed on ASX via oversubscribed reverse takeover - $5.75m raised.
- ✓ Completed re-branding and upgrade of FBR facility
- ✓ Successfully demonstrated technology – various small structures built
- ✓ Completed the automated end-to-end construction of a full-scale 2 room structure with pillar and returns
- ✓ Hadrian 105 Prototype filmed in time-lapse and released on YouTube and the FBR website. Almost 1 million hits received and many global enquiries received
  - 1.6m(w) x 2.4m(l) x 2.4m(h) room built from CAD design
  - 330 maxi bricks (equivalent to 2.2 standard bricks)
  - Bricklaying rate ~200 bricks* per hour
  - Door and window openings, manual lintel placement
- * Standard Brick Equivalents



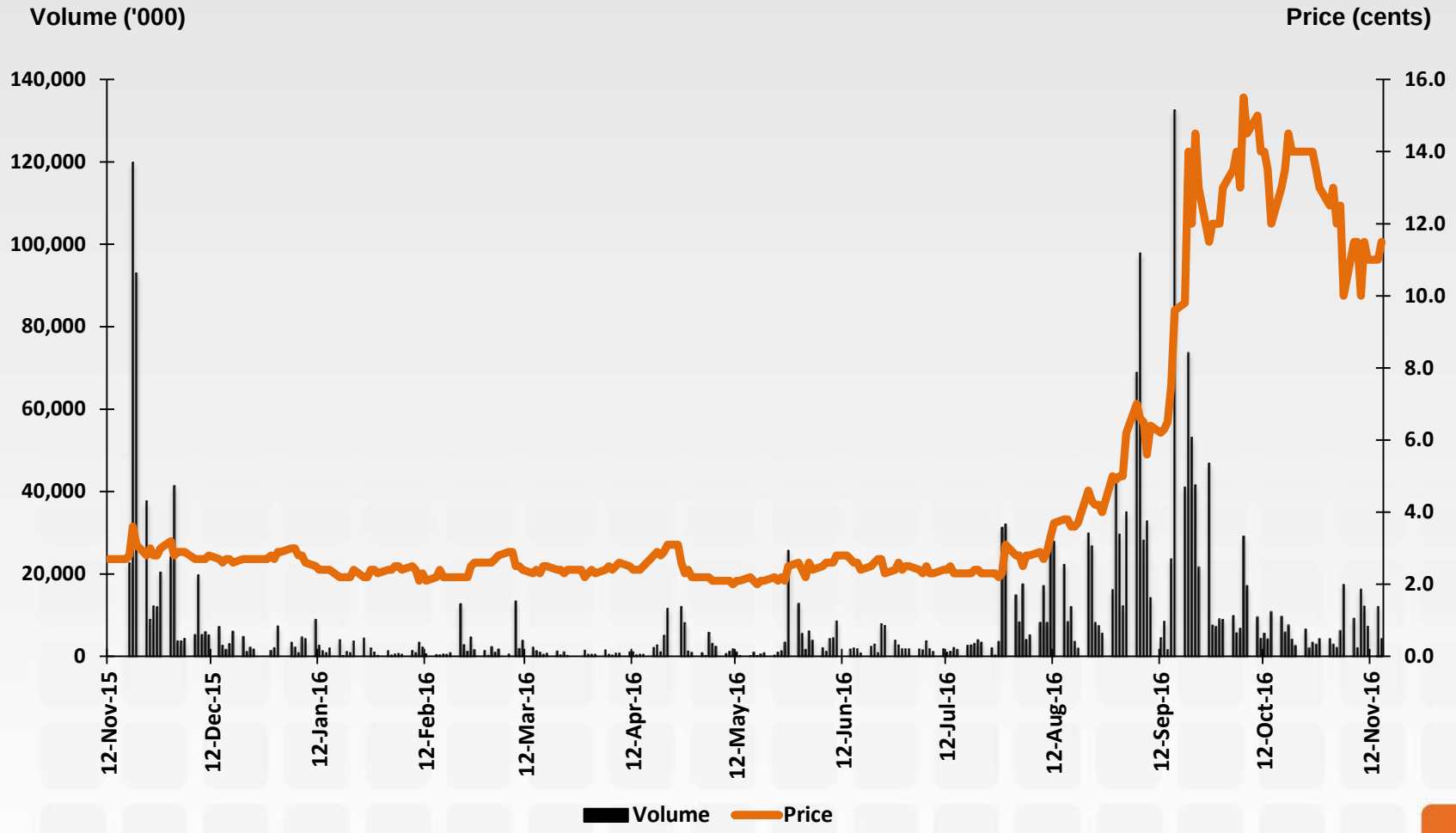
Key activities – CY17

- ✓ FBR Executive team travelled to the US at the invitation of Bechtel – the world's largest privately owned construction company. (Hoover Dam, Panama canal, UAE and Saudi Oil, Wheatstone LNG, Curtis Island LNG etc)
- ✓ Invited to NASA in California for meetings regarding the Lunar habitat challenge being planned by the US Govt
- ✓ Visited US machinery manufacturers – John Deere, Caterpillar, Parsons, API
- ✓ Hadrian X animations and imagery completed and released to the market
- ✓ Expansion of the FBR team to include Engineering Manager, Mechanical Engineers, Mechatronic Engineers, Software, Vision Systems and Simulation specialists, and an Administration Manager
- ✓ Commenced construction of Hadrian X commercial prototype
- ✓ Unveiled FBR's proprietary 3D CAD software – TAD (The Architectural Designer)

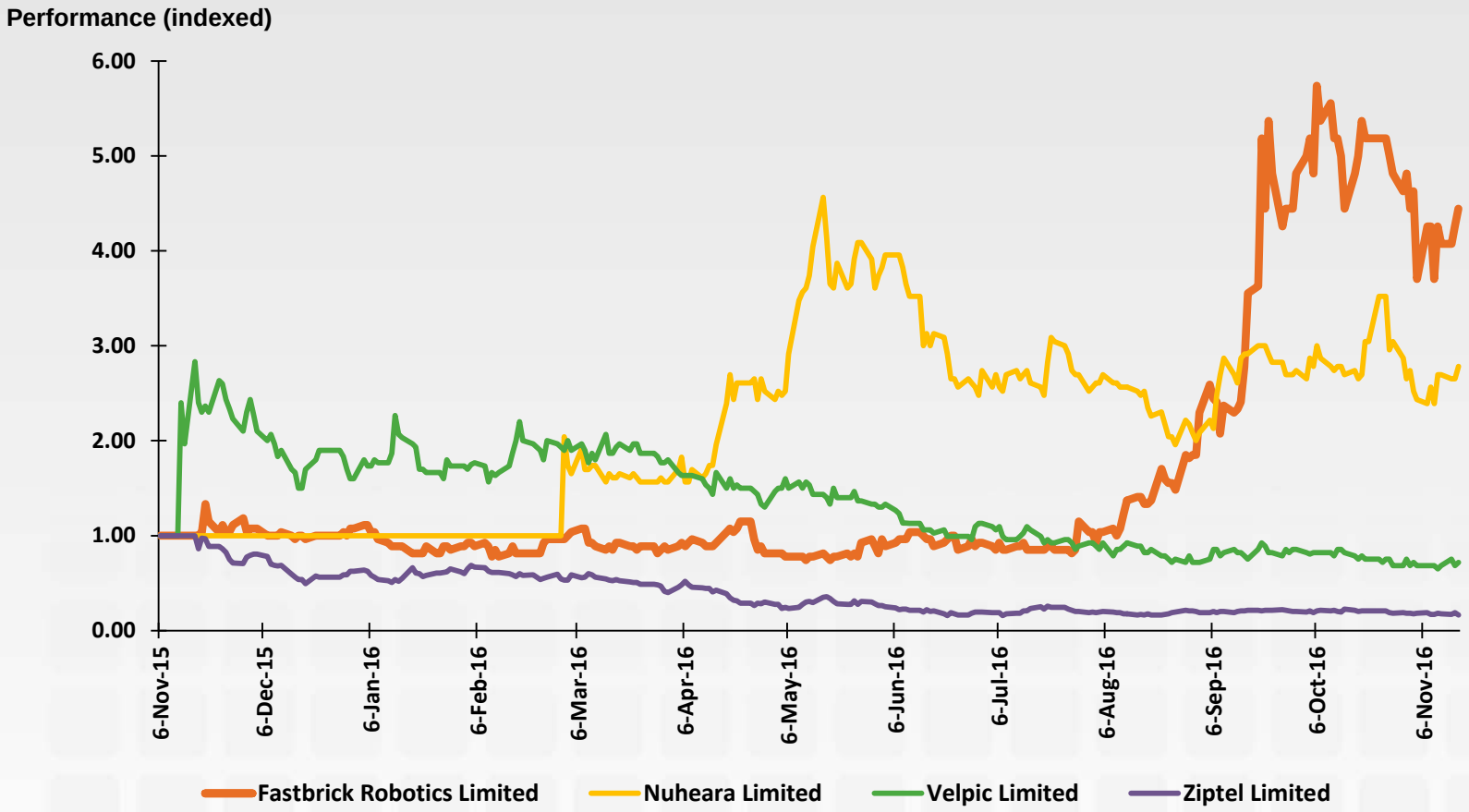
Key activities – CY17

- ✓ Signed framework agreement to construct world's first 3D printed brick homes with Perth based company – Archistruct
- ✓ New Patent and Trademark applications filed
- ✓ Ongoing discussions with numerous global companies regarding Hadrian machines and commercialization of FBR's technology
- ✓ Fastbrick Robotics appeared or featured in many Print, Online and Radio platforms throughout 2016-17 http://fbr.com.au/media
- ✓ Successfully named '2016 WA Innovator of the Year'

Delivering shareholder value…



… while outperforming peers*



*Technology companies that re-listed on the ASX via reverse-takeover with comparable market capitalisation

Fastbrick Robotics

- Fastbrick Robotics is now considered to be one of the world's leading Digital Construction robotics technology companies through our patented and unique Intellectual Property which we believe has been further validated by some of the world's leading construction and machine manufacturing companies.
- We are a pioneering technology company, about to revolutionise the global construction industry through our IP, Software and Robotic technologies.
- The **Hadrian X** will cement Fastbrick Robotics profile and reputation on the global stage by vastly improving the Speed, Accuracy, Cost and Safety of brick construction.



The addressable market

- Independent global market assessment completed by BDO Consulting
- Global addressable market of ~$100 - $200bn
  - Most attractive markets: Australia, Canada, USA, and UK ~$12bn
- Market inefficiencies create competitive advantages:
  - Time sensitivities due to climate
  - High material and labour costs
  - Labour shortages
  - Human error/inaccuracy
  - Stringent OH&S regulation



Priority Markets – UK and North America

- UK, USA and Canada identified as priority international markets
- Climatic conditions favour quick construction techniques
- Favourable language, government, currency factors
- Total potential addressable market for FBR ~$8.0 - $9.5bn
- High bricklaying margin in UK presents compelling market opportunity for FBR **~$3.21 per brick with 1.81Bn bricks laid in FY15** (65% residential)
- Southern region of the US has highest propensity to use brick
- 80% of the cost of brick construction in the UK, US and Canada is attributed to manual bricklaying labour*

*Average derived from total industry revenue in Australia and the UK, 2010 – 2014.

The Hadrian X revolution

fastbrick robotics



The Hadrian X Commercial Prototype

Faster, cheaper, safer and more accurate construction

- The Hadrian X is expected to revolutionize the construction industry and change the way we build forever.
- Building with advanced robotic precision streamlines the rest of the construction process.
- The Hadrian X will maximize efficiency and affordability of brick construction with efficient design software (TAD) that minimizes waste and promotes parallel manufacturing.
- Multiple trades can work simultaneously by building to plan, not to measure.
- The Hadrian X is a complete game changer, and will bring about a new commercial ecosystem in the global “Digital Construction” arena.



The Hadrian X Commercial Prototype

Faster, cheaper, safer and more accurate construction

- Minimal human interaction required
- Ability to work day and night, 7 days a week
- Design capability of up to 1,000 bricks per hour*
- Universal brick compatibility up to 500mm x 250mm x 250mm
- Omni-track laser alignment system corrects dynamic interference and vibration to within 0.5mm accuracy of CAD design
- 30m robotic arm allows completion of all brickwork from a single position on site
- Truck mounted, fully mobile, efficient and self powered

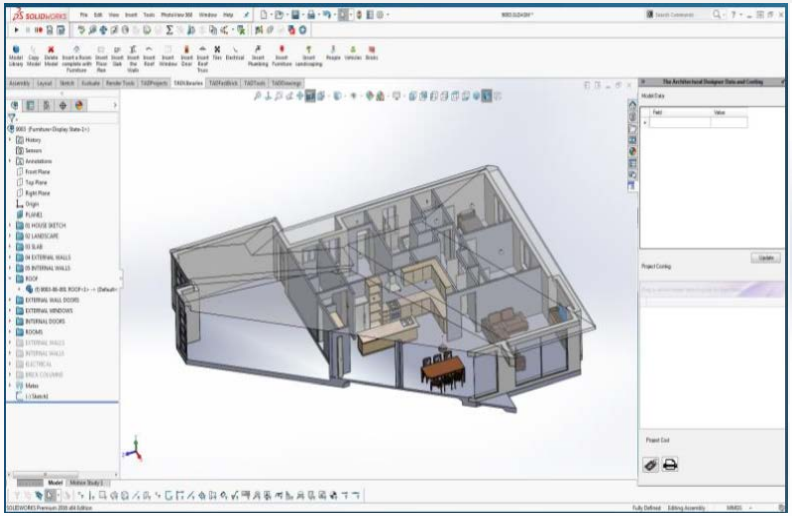


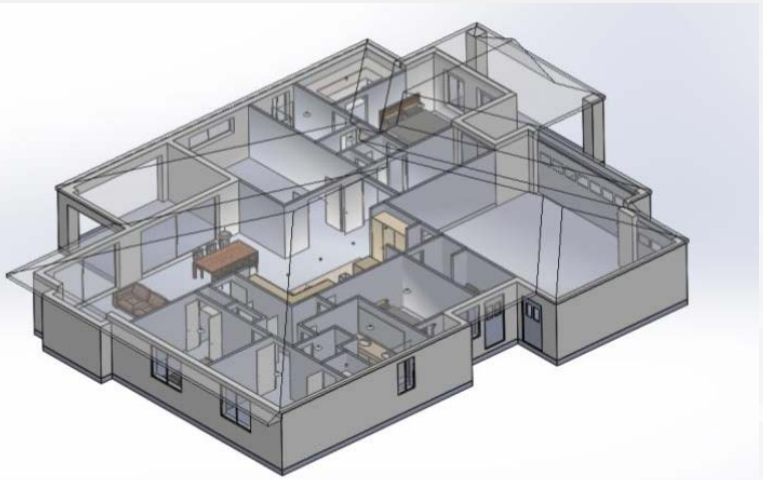
*Standard Brick Equivalents

TAD

The Architectural Designer software

- Work first began on this stand alone FBR proprietary software in 2014
- Initially designed to handle the production of the laying data for the Hadrian 105
- Has now evolved into an architectural design tool that will have many unique functions
- It will enable builders to design, tender work, assign contractors, purchase components and invoice for payment, all via smartphone and tablet technology
- Set for workshop and field trials in 2017 and market release in 2018





Summary

- FBR's addressable global market ~$100 - $200bn
- International patents secure FBR's competitive position
- Development of commercial prototype fully funded – Hadrian X
- Competitive advantage – time, cost, quality and safety of construction
- FBR technology addresses a dire skills shortage as well as the housing affordability crisis
- Supported by government and major industry partners
- Highly successful ASX listing
- Considerable shareholder wealth created
- Global market ready and eager for the Hadrian X

Corporate Overview

Key Personnel

Mike Pivac – Executive Director and CEO

- Business Development, Investor relations
- Extensive experience in Business Operations Management, Workplace Training and OH&S

Mark Pivac – Executive Director and CTO

- Aeronautical/Mechanical Engineer and Founder of Fastbrick Robotics

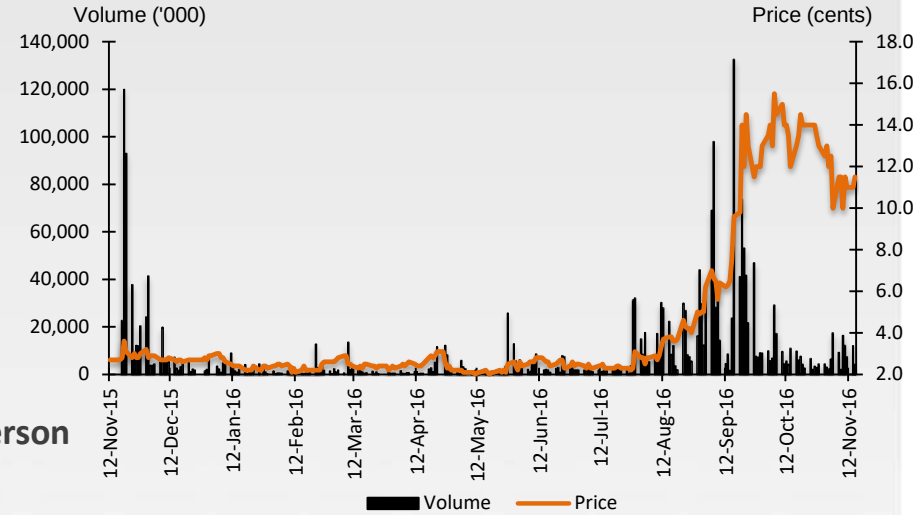
Shannon Robinson – Non-Executive Director and Chairperson

- Corporate advisor and former corporate lawyer
- Director of Spookfish Limited (ASX.SFI), Yojee Limited (ASX:YOJ)

Gabriel Chiappini – Non-Executive Director

- Chartered accountant and corporate consultant
- Director at Interposed Holdings (ASX.IHS), Global Geoscience Limited (ASX.GSC), Scotgold Resources (ASX:SGZ) and Black Rock Mining (ASX.BKT)

Key Share Data



Ordinary Shares on Issue[1,2]	**663m**
Options on Issue[3]	80m
Cash in Bank[4]	$2.93m

1. Includes 126,975,702 shares subject to 24 month escrow from November 2015
2. Excludes 499,999,998 Performance Shares. Performance Shares to vest in 3 even tranches upon achievement of major commercial milestones.
3. Includes 75,000,000 options exercisable at $0.02 on or before 12 November 2019
4. Cash as at 30 September 2016

Thank You

Questions

www.fbr.com.au

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Item 1
30 June 2016 Financial Statements

Not a resolution

"To table and consider the Annual Report of the Company and its controlled entities for the year ended 30 June 2016, which includes the Financial Report, the Directors' Report and the Auditor's Report.



Resolution 1
Remuneration Report

"That, for the purposes of section 250R(2) of the Corporations Act and for all other purposes, the Remuneration Report be adopted by the Shareholders on the terms and conditions in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
99,686,688	*10,965,120*	101,628	7,390,325	793,265	127,818,273

Passed on a show of hands

Resolution 2
Re-election of Mr Gabriel Chiappini

"That Mr Gabriel Chiappini, who retires in accordance with Rule 52 of the Constitution, being eligible and offering himself for re-election, be re-elected as a director of the Company with immediate effect."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
231,008,216	*11,068,839*	101,628	4,176,651	499,965	-

Passed on a show of hands

Resolution 3
Performance Rights to Mr Michael Pivac

"That, for the purposes of Listing Rule 10.14, and for all other purposes, approval is given for the Company to grant 5,000,000 Performance Rights to Mr Michael Pivac (or his nominees) under the Performance Rights Plan on the terms and conditions set out in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
93,709,991	*10,736,521*	101,628	13,780,168	608,718	127,818,273

Passed on a show of hands

Resolution 4
Performance Rights to Mr Mark Pivac

"That, for the purposes of Listing Rule 10.14, and for all other purposes, approval is given for the Company to grant 5,000,000 Performance Rights to Mr Mark Pivac (or his nominees) under the Performance Rights Plan on the terms and conditions set out in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
93,709,991	*10,736,521*	101,628	13,780,277	608,609	127,818,273

Passed on a show of hands

Resolution 5
Performance Rights to Mr Gabriel Chiappini

"That, for the purposes of Listing Rule 10.14, and for all other purposes, approval is given for the Company to grant 3,500,000 Performance Rights to Mr Gabriel Chiappini (or his nominees) under the Performance Rights Plan on the terms and conditions set out in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
93,010,664	*10,736,521*	101,628	14,240,388	847,825	127,818,273

Passed on a show of hands

Resolution 6
Performance Rights to Ms Shannon Robinson

"That, for the purposes of Listing Rule 10.14, and for all other purposes, approval is given for the Company to grant 3,500,000 Performance Rights to Ms Shannon Robinson (or her nominees) under the Performance Rights Plan on the terms and conditions set out in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
91,108,268	*10,836,521*	101,628	15,965,784	924,825	127,818,273

Passed on a show of hands

Resolution 7

Aggregate cap of Non-executive Directors' remuneration

"That for the purpose of Rule 57.1 of the Company's Constitution and Listing Rule 10.17, and for all other purposes, the maximum aggregate amount of remuneration which may be provided by the Company to all non-executive directors for their services as directors be increased to a maximum amount of $350,000 per annum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
93,799,452	*10,879,183*	101,628	13,424,464	732,299	127,818,273

Passed on a show of hands

Resolution 8
Approval of 10% Placement Facility

"That, pursuant to and in accordance with Listing Rule 7.1A and for all other purposes, Shareholders approve the issue of Equity Securities up to 10% of the issued capital of the Company (at the time of the issue) calculated in accordance with the formula prescribed in Listing Rule 7.1A.2 and on the terms and conditions in the Explanatory Memorandum."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
228,656,893	*10,962,239*	101,628	3,606,489	3,528,050	-

Passed on a show of hands

Resolution 9
Adoption of new constitution

"That, in accordance with section 136 of the Corporations Act, and for all other purposes, approval is given for the Company to repeal its existing Constitution and adopt a new constitution in its place in the form as signed by the Chair for identification purposes."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
233,814,772	*11,023,839*	101,628	1,397,025	518,035	-

Passed on a show of hands

Resolution 10
Section 195 Approval

"That, subject to and conditional on Resolutions 3 to 6 being passed, for the purposes of section 195(4) of the Corporations Act and for all other purposes, Shareholders approve and authorise the Directors to complete the transactions as contemplated in Resolutions 3 to 6."

For	Open to Chair	Open non-Chair	Against	Abstain	Excluded
231,738,842	*11,163,839*	301,628	2,112,246	1,538,744	-

Passed on a show of hands

FBR 2016 AGM
Close

Thank you for your attendance

