

Welcome Industry Briefing: Working together in 2020

Master of Ceremonies: Fiona Pollack

Welcome to Country

Uncle Bruce, Dharug Elder

Industry Briefing: Working together in 2020

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Purpose of this session

- Context for School Infrastructure NSW
- Our role and purpose
- Achievements to date
- Key challenges
- 2020 and beyond
- Q&As



The School Infrastructure NSW challenge

NSW is experiencing extraordinary population growth



- Sydney's population will double in size in the next 40 years
- Movements from rural communities to regional centres and larger cities



- 21% growth in student numbers by 2031
- 164,000 extra students in the public system, nearing 1 million students in total
- 7,200 extra classrooms required

Our role and purpose

School Infrastructure NSW

What do we do?

- Established in 2017
- Schools that support future-focussed learning and population growth
- Schools are at the heart of local communities
- Infrastructure and non-infrastructure solutions to managing enrolment numbers
- Upgrading existing facilities to meet today's educational standards
- Full asset lifecycle services:
 - Service planning and needs
 - Infrastructure planning
 - Project delivery
 - Asset management



School Infrastructure NSW

What are we delivering?

The largest investment in public education infrastructure in the history of NSW

\$6.7_{BN}

Across the
state

190

New and
upgraded schools

\$1.3_{BN}

Maintenance
over five years

\$500_M

Cooler Classrooms
Program

Our role and purpose

Priorities: students and communities

- Students at the centre of our schools
- Modern and flexible learning spaces
- Outdoor learning and play spaces
- Community engagement
- Reflecting the local community through design
- Increasing community access to facilities through joint-use agreements
- Maintaining school operations at existing schools



Image: FIFA-grade soccer field at Bella Vista Public School

Our role and purpose

Priorities: our teams and industry

- Health and safety
- Innovative design
- Achieving school opening dates
- Time-saving construction solutions
- Increased sustainability
- Social procurement
- Training and development
- Industry engagement



Image: Ballina Coast High School

Achievements to date

Achievements to date

New, relocated and upgraded schools since August 2017:

32

Early planning

140

Underway

49

Complete

Key challenges

Planning in a dynamic, changing landscape

Infrastructure and non-infrastructure solutions

- Current and future enrolments
- Catchment areas
- Land availability in urban areas
- Centres of Excellence and selective schools
- Respond to emergency priorities - schools lost in recent bushfires
- Integrating with communities



Image: Artist impression of the Meadowbank Education and Employment Precinct, High School entrance

Key challenge

Building in high-density urban areas

- Majority of student growth is in high-density, brownfield areas
- Required to redevelop existing buildings to align with the Educational Facilities Standards & Guidelines (EFSG)
- Complex stakeholder environments
- Constrained sites and land availability



Image: Bardia Public School upgrade

High-density design

Arthur Phillip High School

- NSW's first public high-rise high school for 2,000 students
- Accommodating school operations in a high-rise environment:
 - meeting outdoor play space standards
 - integrating sustainability features
- International example of a unique learning and teaching environment
- High heritage significance of the site - 13,000+ artefacts discovered

Contractor: Watpac

Architect: Grimshaw Architects in association with BVN



Image: Arthur Phillip High School

Repurposing non-school sites

Lindfield Learning Village

- Former UTS Ku-ring-gai campus
- Heritage-listed Brutalist building
- Provide modern, flexible learning spaces
- Shared auditorium and creative spaces
- Adapt outdoor space design for students

Winner: Master Builders Association Award
for Adaptive Use

Contractor: Taylor

Architect: DesignInc



Image: Lindfield Learning Village

Key challenge

Accommodate existing operations

- To ensure school operations continue uninterrupted during the redevelopment of existing schools
- Health and safety of school students, staff and construction teams is our #1 priority
- Working with limited land availability



Building temporary schools

Picton High Schools

- 17 week delivery timeframe
- More than 100 individual buildings
- 13 existing demountable buildings were refurbished on site
- 96 demountable buildings constructed off site and delivered complete with all internal building services, pipe reticulation, fixtures and fittings, including science labs, commercial grade kitchens, wood / metal workshops.
- Increased electrical capacity due to air conditioning and lightweight building materials

Contractor: Taylor

Architect: Billard Leece Partnership



Image: Picton High School – temporary school

Key challenge

Delivery timeframes

- To deliver state-of-the-art educational facilities in tight delivery timeframes to meet enrolment growth
- Maximising out of hours construction - weekends and school holidays



Image: Artist's impression of Jordan Springs Public School

Innovative design solutions

Jordan Springs Public School

- Embrace innovative construction solutions
 - Design for manufacture and assembly
- Future-focused learning spaces and state of art facilities
- Quality build with efficient construction timing
- Currently on track to complete the project before the 2021 delivery commitment

Contractor: Richard Crookes Construction

Architect: Group GSA



Image: Progress photo of Jordan Springs Public School

Key challenge

Shared community use of school resources

- To support communities and their access to local amenities by sharing school resources
- Agreements with local councils
- Maintaining safety and security requirements of students



Image: Ballina Indoor Sports Centre at Ballina Coast High School

Joint-use agreements

Ballina Indoor Sports Centre

- Increases access to facilities for school students
- Provides community use of educational facilities
- Construction of a regional indoor sports and community centre in partnership with Ballina Council
- Design functionally separates the school and community areas for safety purposes
- Community use managed by Ballina Council



Image: Ballina Indoor Sports Centre at Ballina Coast High School

2020 and beyond

2020 and beyond



\$917m in education infrastructure committed in the 2019 State Election



Over **75** projects in early planning or business case development



Focus on major upgrades at existing schools



Strong focus on regional NSW



Infrastructure NSW to release an updated whole-of-government pipeline in Q1 2020



Delivering schools on constrained metropolitan sites



**Thank you.
Looking
forward to
2020.**

Q&A