

**ASX / MEDIA ANNOUNCEMENT** 

ASX: NCZ 02 July 2018

#### CENTURY MONTHLY DEVELOPMENT UPDATE - JUNE 2018

- New Century continues strong progress toward restarting Century operations, with planned refurbishment activities on budget & schedule - 95% complete
- Development teams now initiating the commissioning phase of the Century restart
- Key developments during June:
  - o **Mining**: High voltage electrical, civils and slurry winning sump earth works completed, with ongoing mining equipment deliveries to site
  - o Processing Plant: Hydrostatic testing and water commissioning underway
  - Pipeline: Hydrostatic testing and water commissioning underway
  - o Port: Diesel power reinstated for commissioning & dredging ahead of schedule
  - o **Support Services**: Up to 290 staff and contractors on site undertaking refurbishment and commissioning activities, all accommodated within the New Century camp
  - o Power: PPA signed with Mica Creek Power Station for gas turbine power supply
  - o Offsite: Roadshows & investor site tours completed
- Century restart remains on track for first production in August 2018

New Century Resources Limited (Company or New Century) (ASX:NCZ) is pleased to provide an update on progress toward the restarting of operations at the Century Zinc Mine during June 2018.



Figure 1: The Century Processing Plant with all areas now fully energised, including reagents mixing facility (far left), in line with the start of commissioning activities

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# **Hydraulic Mining & Feed Preparation Highlights**

- Tailings Receival Sump excavation complete (42,000m³ excavated)
- All civil works for hydraulic mining operations and administration areas completed
- 11kV powerline from the Ergon substation to the tailings facility completed with all 44 poles erected, fully strung and energised
- Tailings ore transfer pipework poly welding completed, connecting the tailings slurry pumping infrastructure to the existing pipework leading to the Century Processing Plant
- Water Winning Pontoon delivered and ready for launching onto the Evaporation Dam
- Fabrication of all other offsite hydraulic mining equipment complete, including hydrostatic testing and preparation for site delivery in early July
- Hydraulic mining operational and maintenance crew hiring completed, with site based onboarding in early July in preparation for the start of mining activities



Figure 2: Overview of the hydraulic mining operations area in the SE corner of the Century Tailings Deposit





Figures 3 & 4: Aerial view of completed civil works for the hydraulic mining operations area (left) & the Water Winning Pontoon delivered and ready for launching onto the Evaporation Dam (right)

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## Century Processing Plant Development Highlights

- Up to 290 New Century staff and contractors on site during the month of June
- All float cells refurbished (clean out and relined), including motor testing
- Refurbishment of ball mill and fine grind mills completed, ready for load commissioning
- Control system hardware install and testing continuing on schedule 85% complete to date
- New tailings pipeline, which connects the Processing Plant into the historical open pit, delivered to site and now undergoing poly welding and installation
- Hydrostatic testing and water commissioning process underway
- Process Water Dam and Tailings Thickener filled, Processing Plant pipework flushing underway
- Processing Plant operational and maintenance crew hiring completed, with site based onboarding starting middle of July in preparation for first production in August





Figures 5 & 6: Process Water Dam re-established in preparation for water commissioning (left) and hydrostatic testing of the Tailings Thickener as part of initial commissioning activities (right)





Figures 7 & 8: Piping reconfiguration activities within the Century Processing Plant for tailings reprocessing (left) and tailings ore Feed Transfer Pump installation (right)

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Figures 9 & 10: Tailings Feed Preparation area design overlayed on full site 3D lidar survey (left) and installation of the equipment ahead of commissioning activities (right)





Figures 11 & 12: Relining and refurbishment of the Vertical Fine Grind Mills (left) and fusion welding of the tailings ore Feed Pipeline into the Century Processing Plant (right)





Figures 13 & 14: Delivery of offsite fabricated tailings HDPE pipework and feed preparation equipment during the month of June

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## Slurry Pipeline & Karumba Port Development Highlights

- Slurry pipeline cleaning pig removal process complete, with the pipeline reconnected and the excavated area rehabilitated
- Slurry pipeline hydrostatic testing and water commissioning underway
- Port commissioning well underway, with re-establishment of previous 4MW diesel power
- Dredging at the mouth of Norman River in the Gulf of Carpentaria now 80% complete
- M.V. Wunma vessel inspection in Papua New Guinea completed prior to initiation of minor refurbishment works and transfer of the vessel back to Australia (due early September)
- Port operational and maintenance crew hiring 90% complete, with site based onboarding starting late July in preparation for first production in August





Figures 15 & 16: Rehabilitated area of the Slurry Pipeline previously excavated for cleaning pig removal (left) & New Century & Ausenco team members filling the Pipeline as part of water commissioning (right)





Figures 17 & 18: Re-establishment of 4MW of diesel power generation at the Karumba Port Facility (left) and New Century Port Manager Greg O'Shea inspecting dredging activities from the bridge of The Brisbane (right)

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Figures 19 & 20: New Century's trans-shipment vessel, the M.V. Wunma, docked in Papua New Guinea (left) & New Century Port Manager Greg O'Shea inspecting equipment inside the vessel's 5,000t capacity hold (right)

## Other Development Highlights

- Over 68,000 hours completed to date without a Lost Time Injury
- Safety and mines rescue capabilities in place and full on site medical facilities re-established
- Additional Camp accommodation refurbished, increasing active capacity to 360 rooms
- Site Laboratory fully functional with new employee training and calibration of equipment in preparation for commissioning activities
- Continued focus on progressive site rehabilitation, with a reduction in surface area of disturbance via sales of excess infrastructure
- Roadshow presentations in Singapore, Hong Kong, San Francisco, New York and Toronto
- Site tours completed with participants including investors, analysts and offtake partners





Figures 21 & 22: Mines rescue teams undertaking onsite training programs

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#### **About New Century Resources**

New Century Resources Limited (ASX:NCZ) is an Australian base metal development company restarting Century Mine operations in Queensland with the aim of becoming one of the world's top 10 zinc producers.

The Company is upgrading the Mine's existing world-class infrastructure including a large scale multi train flotation plant, 700-person camp, private airport, mining fleet, grid power connection, 304km slurry pipeline and port facility to bring the mine into production.

New Century will focus on the existing Proved Ore Reserves and produce zinc in the lowest cost quartile globally. Also, substantial Mineral Resources exist on the mining leases, which provide a significant opportunity for mine life extension and metal production increase from the scheduled operations.

To learn more, please visit: www.newcenturyresources.com

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