

# 2022 AGM Presentation

May 2022



**ARGOSY MINERALS**  
LIMITED

ASX: AGY

[www.argosyminerals.com.au](http://www.argosyminerals.com.au)



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- Competent Person's Statement – Rincon Lithium Project: The information contained in this ASX release relating to Exploration Results and Mineral Resource Estimates has been prepared by Mr Duncan Storey. Mr Storey is a Hydrogeologist, a Chartered Geologist and Fellow of the Geological Society of London (an RPO under JORC 2012). Mr Storey has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a competent person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.
- Duncan Storey is an employee of AQ2 Pty Ltd and an independent consultant to Argosy Minerals Ltd. Mr Storey consents to the inclusion in this announcement of this information in the form and context in which it appears. The information in this announcement is an accurate representation of the available data from exploration at the Rincon Lithium Project.
- The information in this report that relates to technical matters is based on information compiled by Jerko Zuvela who is the Managing Director of AGY. Mr Zuvela is a Member of the Australasian Institute of Mining and Metallurgy.
- Chemical Engineer's Statement: The information that relates to lithium processing and test-works is based on information compiled and/or reviewed by Mr Pablo Alurralde. Mr Alurralde is a chemical engineer with a degree in Chemical Engineering from Salta National University in Argentina. Mr Alurralde has sufficient experience which is relevant to the lithium carbonate and lithium hydroxide processing and testing undertaken to evaluate the data presented.
- Certain information in this presentation has been derived from third parties and though AGY has no reason to believe that it is not accurate, reliable or complete, it has not been independently audited or verified by AGY.
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- The PEA is a preliminary technical and economic study of the potential viability of the Rincon Lithium Project required to reach a decision to proceed with more definitive studies (equivalent to a JORC Scoping Study). It is based on preliminary/low-level technical and economic assessments that are not sufficient to support the estimation of Ore Reserves or provide certainty that the conclusions/results of the PEA will be realised. Further exploration and evaluation work and appropriate studies are required before Argosy will be in a position to estimate any Ore Reserves or to provide any assurance of an economic development case.
- The economic analysis results should be treated as preliminary in nature and caution should be exercised in their use as a basis for assessing project feasibility. The PEA was based on material assumptions including assumptions about the availability of funding. While Argosy considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the PEA will be achieved.
- To achieve the range of proposed feasibility studies and potential mine development outcomes indicated in the PEA, additional funding will be required. Investors should note that there is no certainty that Argosy will be able to raise funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Argosy's existing shares. It is also possible that Argosy could pursue other 'value realisation' strategies such as a sale, partial sale or joint venture of the project. If it does, this could materially reduce Argosy's proportionate ownership of the project.
- 100% of material included in the PEA proposed mining schedules for all cases is included within Indicated Mineral Resources.
- Process and engineering works for the PEA were developed to support capital and operating estimates (and following AUSIMM Guidelines for this study level), and given the preliminary and confidential nature of the plant information, the capital cost margin of error is  $\pm 50\%$  on the 'factored cases' estimated figures and operating cost is  $\pm 35\%$ . Key assumptions that the PEA are based on are outlined in the body of this announcement. Argosy has concluded it has a reasonable basis for providing the forward-looking statements in this announcement.
- The Mineral Resources information in this report is extracted from the report entitled "Argosy Upgrades Lithium Rincon Lithium Project JORC resource" dated 13 November 2018 available at [www.argosyminerals.com.au](http://www.argosyminerals.com.au) and [www.asx.com](http://www.asx.com). Argosy confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Argosy confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.
- Given the uncertainties involved, all figures, costs, estimates quoted are approximate values and within the margin of error range expressed in the relevant sections throughout this announcement. Investors should not make any investment decisions based solely on the results of the PEA.
- ASX Listing Rules Compliance - Argosy advises references to the Company's current target of producing 2,000tpa of high purity battery quality lithium carbonate product at the Rincon Lithium Project should be read subject to and clarified by the Company's current intention that the 2,000tpa production target does not extend beyond a two-year period from the Clarifying Announcement (lodged 10th February 2021, available at [www.argosyminerals.com.au](http://www.argosyminerals.com.au) and [www.asx.com](http://www.asx.com)). At the conclusion of the two-year period, it is the Company's current intention that, subject to feasibility, finance, market conditions and completion of development works at the Rincon Lithium Project, the Company's 10,000tpa production target will apply. The current 2,000tpa production target is intended to form a modular part of the 10,000tpa operation from its commencement. Argosy further advises that references in this ASX release in relation to the 10,000tpa production target are extracted from the report entitled "Argosy delivers exceptional PEA results for Rincon Project" dated 28 November 2018, available at [www.argosyminerals.com.au](http://www.argosyminerals.com.au) and [www.asx.com](http://www.asx.com). Argosy confirms that it is not aware of any new information or data that materially affects the information included in the Announcement and, in the case of the Production Target, Mineral Resources or Ore Reserves contained in the Announcement, that all material assumptions and technical parameters underpinning the estimates in the PEA announcement continue to apply and have not materially changed. Argosy confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the PEA announcement.

# Company Overview



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# What sets us apart from our peers

- ✓ Owner of the Rincon Lithium Project, Salta Province, Argentina – 77.5% current interest, increasing to 90% ownership upon development of 10,000tpa operation
- ✓ **Industrial-scale pilot plant in operation for over 3 years**
  - **Proof of Concept** – produced +30 tonnes of battery quality (>99.5%) lithium carbonate ( $\text{Li}_2\text{CO}_3$ )
  - **25 tonnes sold to North Asian customers** – allows accelerated product qualification process
- ✓ **2,000tpa operation fully-funded and in construction** –  $\text{Li}_2\text{CO}_3$  production from Q3-CY2022
- ✓ **Planned expansion of additional 10,000tpa  $\text{Li}_2\text{CO}_3$  scale → 12,000tpa scale**
- ✓ Tonopah Lithium Project in Nevada, USA, located near Albemarle's Silver Peak lithium operation. Providing access to high growth US market
- ✓ Experienced team, proven producer, proprietary clean technology – First mover advantage

***Argosy to become only the second ASX-listed battery quality lithium carbonate producer***

# Corporate Snapshot

## Capital Structure

<b>Shares on issue</b>	<b>1,354,680,890</b>
Share price <sup>1</sup>	A\$0.49
Market capitalisation <sup>1</sup>	A\$663 million
Cash <sup>2</sup>	A\$38.3 million
Debt <sup>2</sup>	Nil
Options <sup>3</sup>	49,970,498
ASX code	AGY

Notes

1. Closing share price on 30 May 2022
2. As at 31 March 2022
3. Exercisable at 25c on or before 29 October 2022

## Board of Directors & Senior Management

Mal Randall	Non-Executive Chairman
Jerko Zuvela	Managing Director
Bruce McFadzean	Non-Executive Director
Peter De Leo	Non-Executive Director
Pablo Alurralde	President Puna Mining S.A.

## Recent Share Price Performance



## Major Shareholders

Board & Management	~11%
Top 20 holders	~27%

# Rincon Project: Lithium Production



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# Rincon Lithium Project: Production in Argentina

- Rincon Lithium Project located in the world-class “Lithium Triangle” in Salta Province, Argentina

Argosy has de-risked its proprietary clean lithium process technology:

1. **Industrial Scale Pilot Plant** – produced +30 tonnes of high purity battery quality (up to 99.94% )  $\text{Li}_2\text{CO}_3$  product to date
2. **2,000tpa Operation** – same proven technology
3. **12,000tpa Operation** – modular 10,000tpa expansion plus 2,000tpa operation

- **The next new lithium producer – First mover advantage**

- Construction on 2,000tpa  $\text{Li}_2\text{CO}_3$  operation – 71% complete
- Permitting approval for additional 10,000tpa operation expected H1-CY2022
- Targeting 10,000tpa operation construction commencement in H2-CY2022





# 2,000tpa Operation

- Construction 83% complete
- First  $\text{Li}_2\text{CO}_3$  product from Q3-CY2022
- CAPEX ~US\$20 million (excl. VAT) - fully funded
- Works progressing on schedule and budget

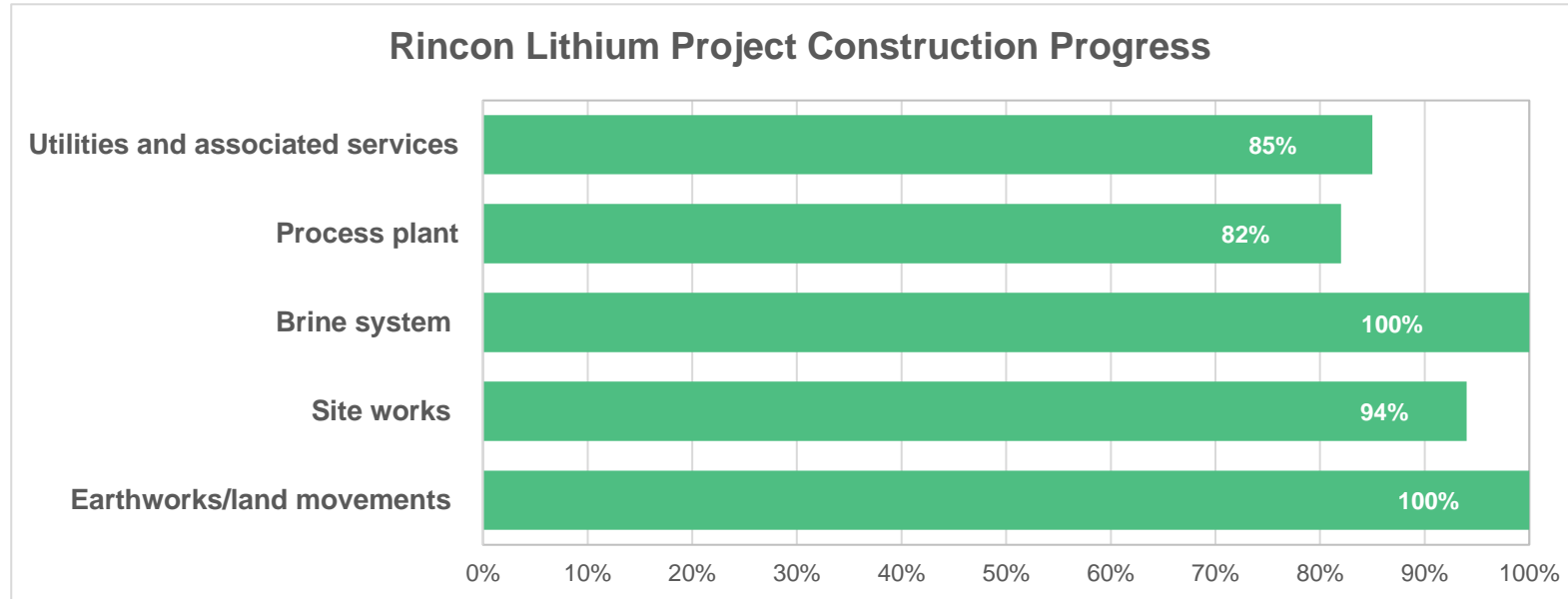


## Advantages associated with Argosy's fast-track development strategy

- Materially lower capex to de-risk 10,000tpa expansion and secure strategic investment & off-take
- Ability to further accelerate product qualification and offtake with end-users
- Offtake discussions are advanced, and materially de-risked by current sales
- Pilot plant process allows optimization of Stage 2, increased automation, improved production timeframe
- Establish further infrastructure for ramp-up to additional 10,000tpa production scale
- Near term cash flow from production → fund working capital requirements for 10,000tpa scale expansion
- Differentiates Argosy from other developers – will become only the 2<sup>nd</sup>  $\text{Li}_2\text{CO}_3$  producer on the ASX



# 2,000tpa Operation – Construction Progress



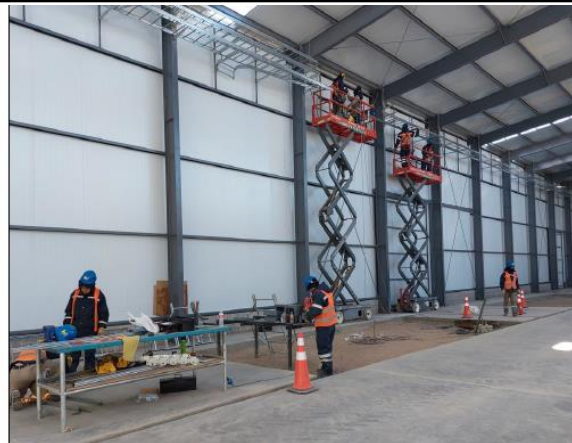
- Additional process tanks and reactors, and back-up generators delivered to site;
- The industrial water treatment system is ready for installation
- Electric, communication, and fire emergency systems are all undergoing development works
- Upcoming works are focused on completing the on-site office and laboratory, equipment delivery and installation, electrical installation, camp accommodation expansion, and conducting initial commissioning works, with construction to be completed during Q3-CY2022.

# 2,000tpa Operation





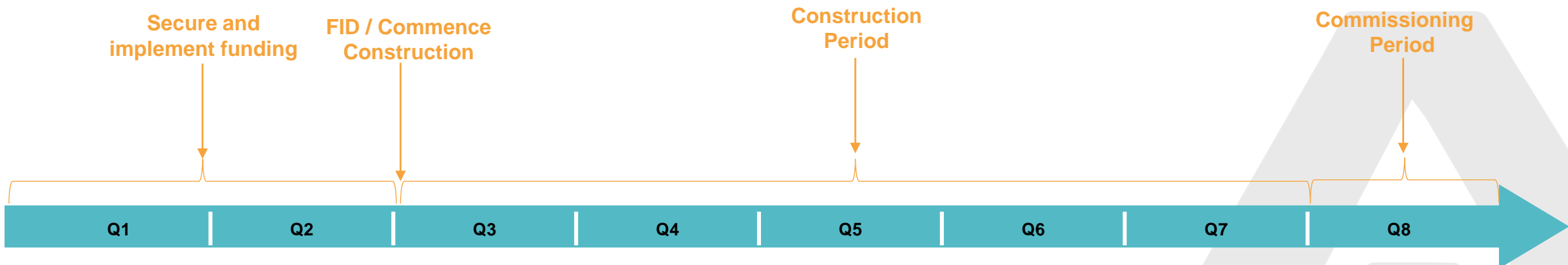
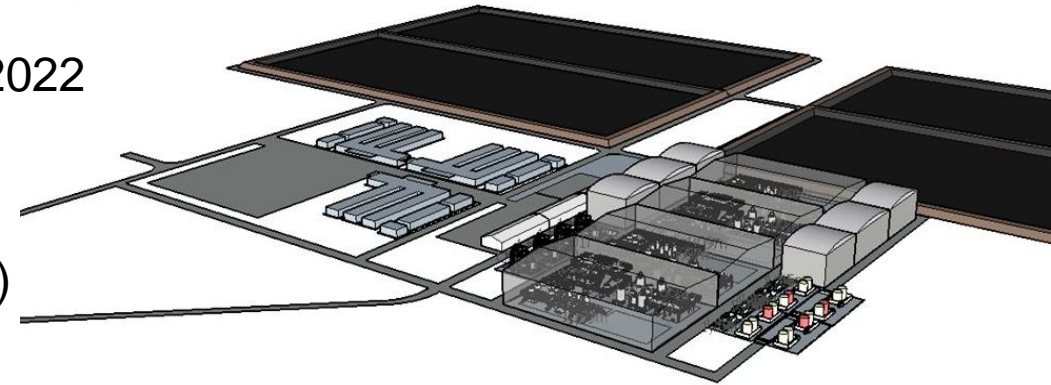
# 2,000tpa Operation





# 10,000tpa Expansion Operation

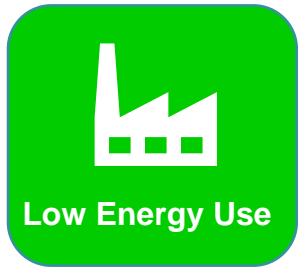
- Completed PEA with exceptional results - low opex and robust returns
- Regulatory approval for additional 10,000tpa operation in ~H1-2022
- Will utilise the same processing technology as the 2,000tpa operation – additional 10,000tpa scale expansion
- Post regulatory approval, construction ready (subject to funding)
- Discussions well advanced with strategic investment & off-take groups





# Minimal Environmental Footprint

Argosy has developed a chemical process technology with a minimal environmental footprint



- **Low energy use:** ~1MW for 2,000tpa operation, ~6MW for 10,000tpa operation
- In discussions to access nearby 208MW solar power park



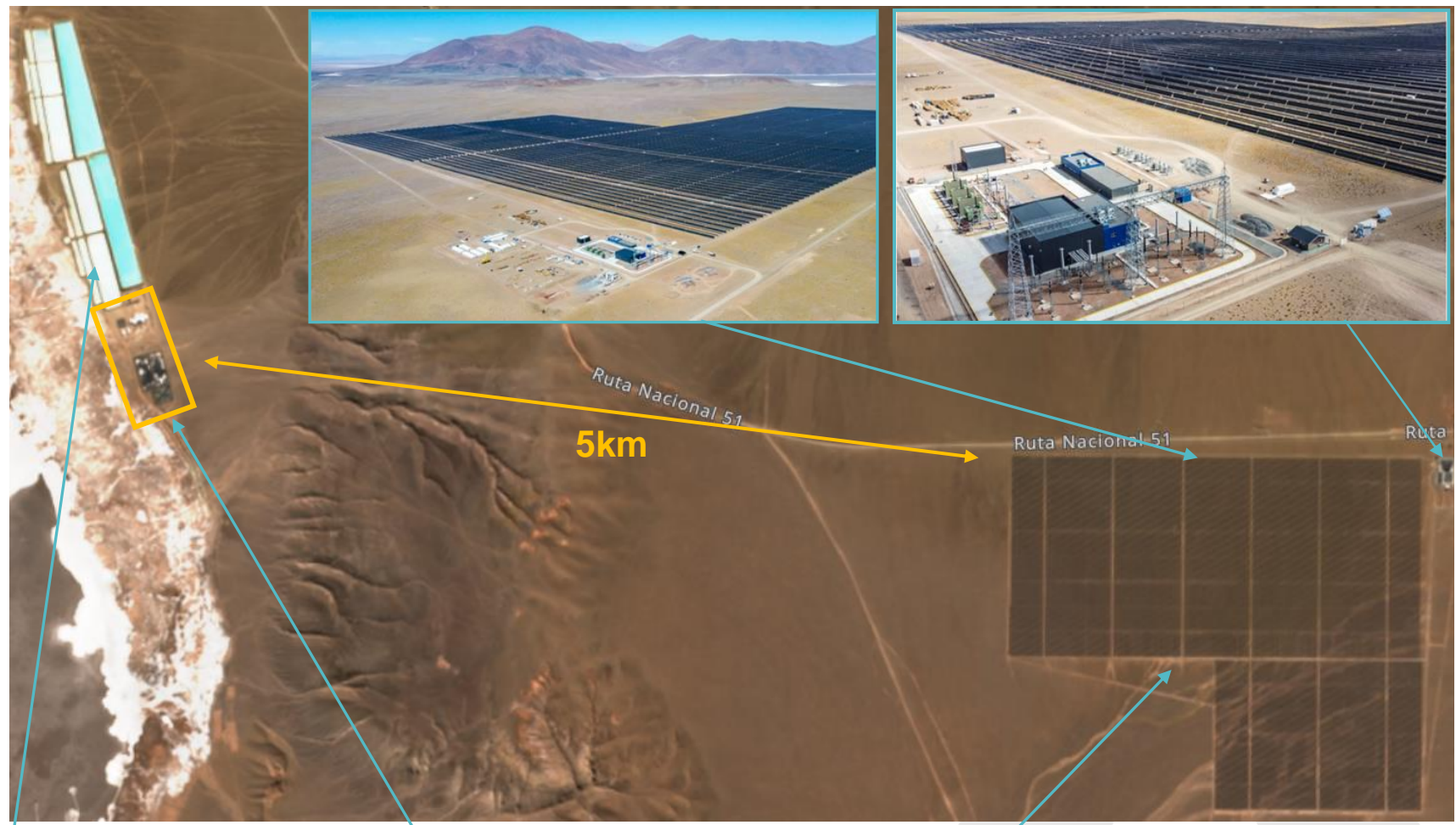
- **Low water consumption:** 8m<sup>3</sup>/h for 2,000tpa operation & ~40m<sup>3</sup>/h for 10,000tpa operation
- Ensures nominal impact on local communities, flora, fauna and local environment



- **High water recycling:** ~90% of operational water to be recycled
- Unused water from natural underground flows into the Salar, will reach the Salar surface and evaporate, maintaining the environmental equilibrium process at Rincon Salar

# Low Carbon Footprint A Reality

- AGY has the ability to be truly carbon neutral
- Altiplano Solar Power Park:
  - Less than 5km to plant operations
  - Commenced operations in October 2021
  - Owned and operated by Neoen, France's leading independent producer of renewable energy
  - Targeting connectivity for the 10,000tpa expansion operation



Existing ~38ha operational evaporation ponds

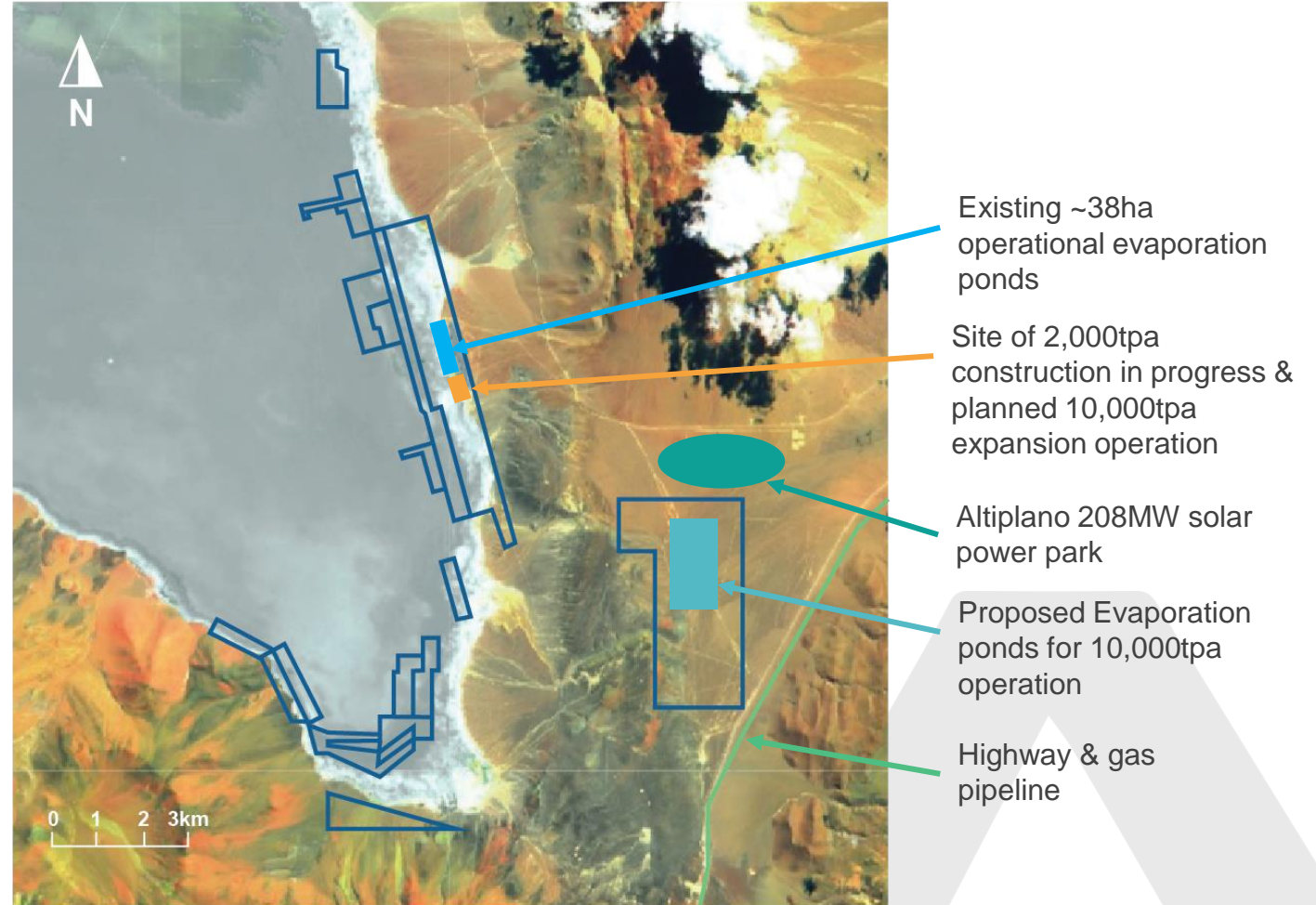
Site of 2,000tpa construction in progress & planned 10,000tpa expansion operation

208MW Solar Power Park location



# Significant Infrastructure Footprint

- Rincon has significant site, power and transport infrastructure in place
- Commercial 10,000tpa scale evaporation ponds (~400ha) to be constructed ~6km from production wells and proposed process plant site
- Project area located adjacent to highway, gas pipeline, grid power & solar park
- 20km from the industrial town of Olacapato, providing services and accommodation during construction
- Nearby Altiplano 208MW and 300MW Cauchari solar power parks provide option for “green” power source



# Significant Exploration Potential to Realise



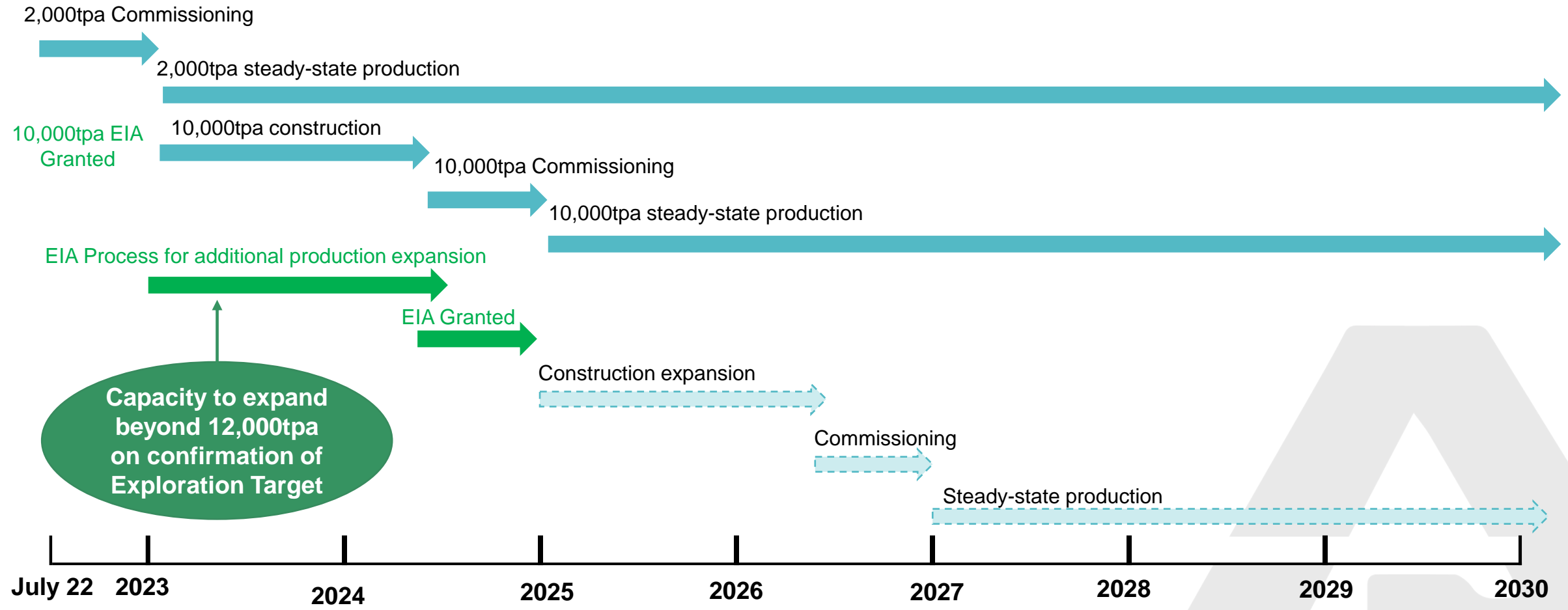
- 245,120t  $\text{Li}_2\text{CO}_3$  JORC Indicated Resource to a vertical depth of 102.5m
- Additional Exploration Target<sup>1</sup> of 262,000t to 479,000t contained  $\text{Li}_2\text{CO}_3$  within depth interval between 102.5m to 300m below ground level
- Combined JORC Indicated Mineral Resource and Exploration Target<sup>1</sup> estimates outline potential for a range of 507,000 tonnes to 724,000 tonnes contained  $\text{Li}_2\text{CO}_3$  to a depth of 300m
- Brine aquifer still open at depth based on previous AGY drilling, with potential for further expansion and increasing project life
- Results provide further support for planned long term commercial scale development of Rincon Lithium Project
- Conversion of Exploration Target<sup>1</sup> to JORC Resources may materially increase Project mine life and/or production capacity

1. An Exploration Target is not a Mineral Resource. The potential quantity and grade of an Exploration Target is conceptual in nature. A Mineral Resource has been identified above the Exploration Target, but there has been insufficient exploration to estimate any extension to the Mineral Resource and it is uncertain if further exploration will result in the estimation of an additional Mineral Resource.



# Roadmap Beyond 12,000tpa

★ Industrial Scale Pilot Plant (+30t >99.5% Li<sub>2</sub>CO<sub>3</sub> produced)



# Tonopah Project: Exploration



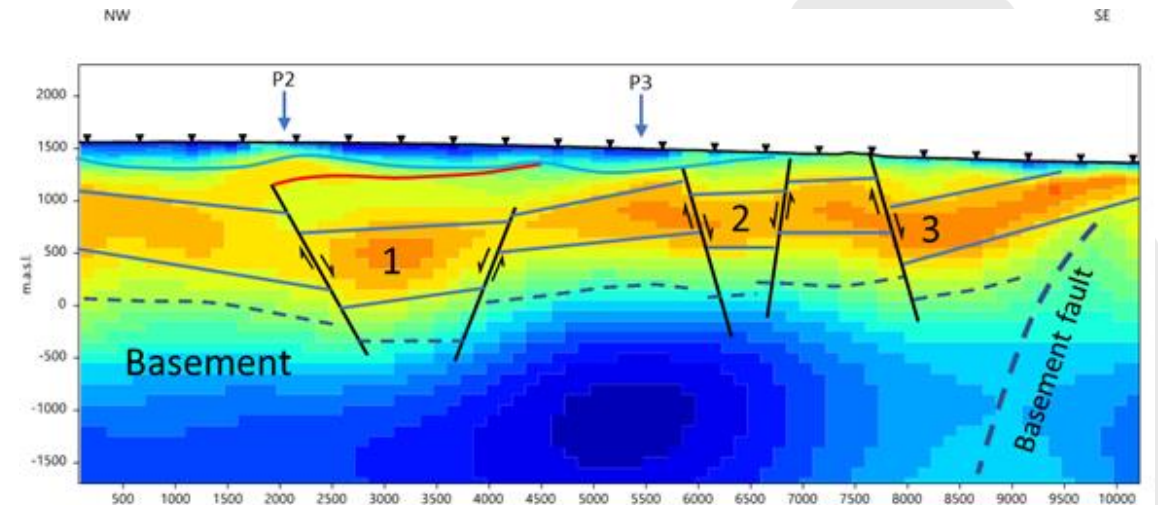
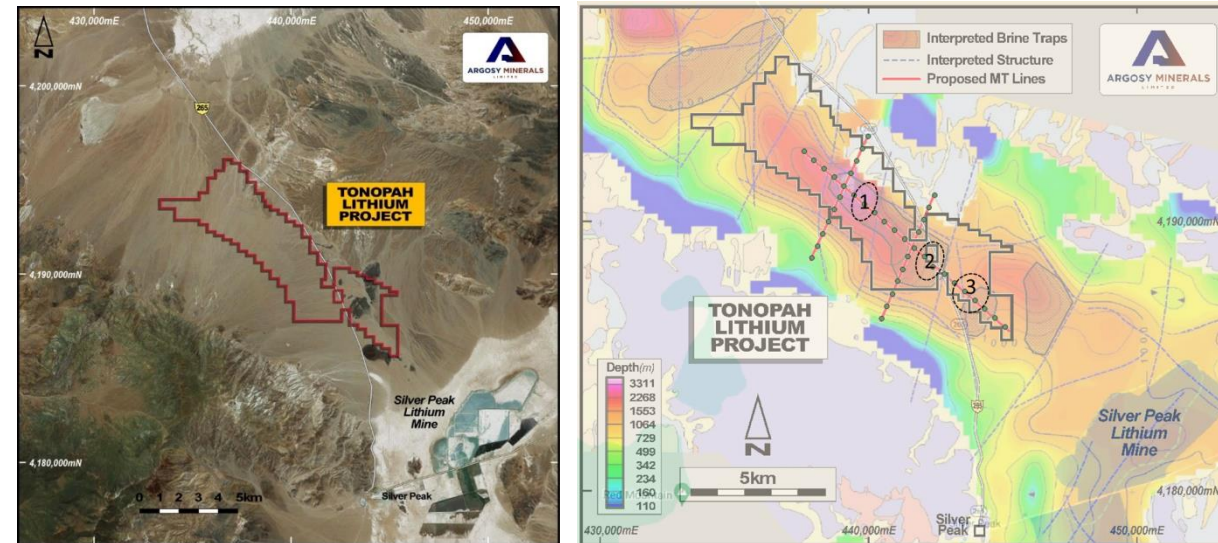
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# Tonopah Lithium Project – Nevada USA

## TONOPAH IS STRATEGICALLY LOCATED IN THE EMERGING USA LITHIUM HEARTLAND

- Located ~4km from Albermarle's longstanding Silver Peak operation - the only lithium carbonate operation in USA (operating for +50yrs)
- Geophysical data identifies lithium brine target areas
- Gravity-derived 3D depth inversion model shows favourable structures identified as boundaries of sub-basins
- Magnetotelluric (MT) resistivity survey data has defined a major conductive anomaly
- Potential lithium brine aquifer, with depth to the top of this feature varying between 300m to 700m
- Three delineated MT targets correlate very well when overlain with the previously interpreted gravity targets, providing further confidence for future drill testing works
- Next step exploration target works to determine lithium brine prospectivity, then drilling works to test MT targets to delineate lithium brine potential



# Argosy: A New Lithium Producer

## Rincon Lithium Project

- Staged development strategy - industrial scale pilot plant → 2,000tpa → 12,000tpa
  - Stage 1 – Pilot plant accelerating process and product qualification works
  - Stage 2 – 2,000tpa in construction → first commercial production from mid-2022
  - Stage 3 – 10,000tpa expansion underpinned by exceptional PEA results
- Meaningful, long life asset – 16.5 year mine life @ 10,000tpa scale
- Ability to extend via deeper drilling (Exploration Target potential upside)
- Experienced team, proven producer, proprietary clean technology – 1st mover advantage

## Existing Production

- High level of confidence in chemical process technology via pilot plant operations
- De-risked scale-up of production (2,000tpa to additional 10,000tpa operations)
- Delivery of >25t of high purity battery quality  $\text{Li}_2\text{CO}_3$  has enabled the establishment of strong potential off-taker relationships

## Next Steps to Commercial Production

- Complete construction of 2,000tpa  $\text{Li}_2\text{CO}_3$  operation, production from mid-2022
- Increase current JORC resource via exploration target drilling works
- Execute investment & off-take agreements for 2,000tpa & 10,000tpa battery quality lithium carbonate product with strategic partner
- Receive EIA regulatory approval for 10,000tpa expansion operation in H1-CY2022
- Commence construction of 10,000tpa expansion operation targeted for H2-CY2022





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