



Qenos

Dec 2021 ACNCG



Introduction

Performance updates

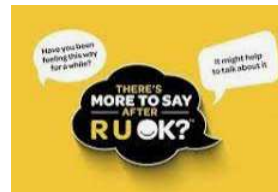
- SHE performance
- Community interface
- Regulatory interface
- EIP progress
- PSV graph

Discussion topics (tabled at meeting)

- Altona reconfiguration progress
- 2022 Priorities

Safety performance

- Record contractor recordable injury free run of > 4 years was recently impacted by a slip and fall injury whilst walking on concrete covers (see photo aside), resulting in a lost time leg fracture (femur)
- Ran a RUOK promotion day
- COVID risks continue to be managed with no business continuity impacts to date
- Risk based Rapid Antigen Testing (RAT) has been introduced



EPA Interactions

- Site Environmental Assessment under CUN 90009622.
 - Requested due date for verified Clean Up Plan be extended
 - From 14th Jan 2021 to 30th Jun 2022.
 - EPA will issue new notice under new regulations.(revoke current notice)
- Flare noise complaints (6)
 - 23 Sep (2), 29 Sep (1) related to a compressor trip/recovery
 - 4 Oct (1) related SCAL-1 shutdown
 - 15 Oct (2) related to SCAL-2 exchanger purging
- Several delayed odour reports from EPA evaluated.
 - Qenos plausible source for two.



Regulatory Interactions

Greater Western Water

- Nothing to report

Worksafe

- Olefins site visit of Sep 9th to inspect dropped scaffold pole incident.
- Also inspected deep (5m) excavations for soil sampling.
- No issues arising.
- Planned Plastics site inspection on Dec 13 re mothball progress



Community Interface

facebook

In August, we introduced the **Qenos Altona Community Facebook** page to keep local residents and other interested stakeholders informed of any news at our Altona plants, including updates in relation to operational events such as flaring. We encourage you all to visit our page.



In October, Qenos senior management met with local Federal members Richard Marles, Tim Watts and Joanne Ryan to update them on the progress of **Altona Reconfiguration** shutdown and mothballing activities and to discuss future sustainable business opportunities.



Qenos launched a health campaign, **Roll Up Your Sleeve**, to encourage employees to undergo COVID-19 vaccination and help make our workplace and the community safer. A pledge by Qenos of \$20 per employee resulted in each of the following charities receiving a \$4,000 donation.



EIP update

- Environment management activities
 - Four completed.
 - Three in progress.
 - Odour audit delayed until 2022 post carbon filter project.
 - ISO 14001 accreditation not progressed.
- Flare EMP activities. (2021)
 - Five completed.
 - One in progress and will be complete by year end.
 - Three no longer required post mothball
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EIP update

- Activated Carbon Filter on API afterbay
 - Carbon Filter skid on site.
 - Foundations completed, installation progressing.
 - Will complete installation in early 2022 prior to commissioning



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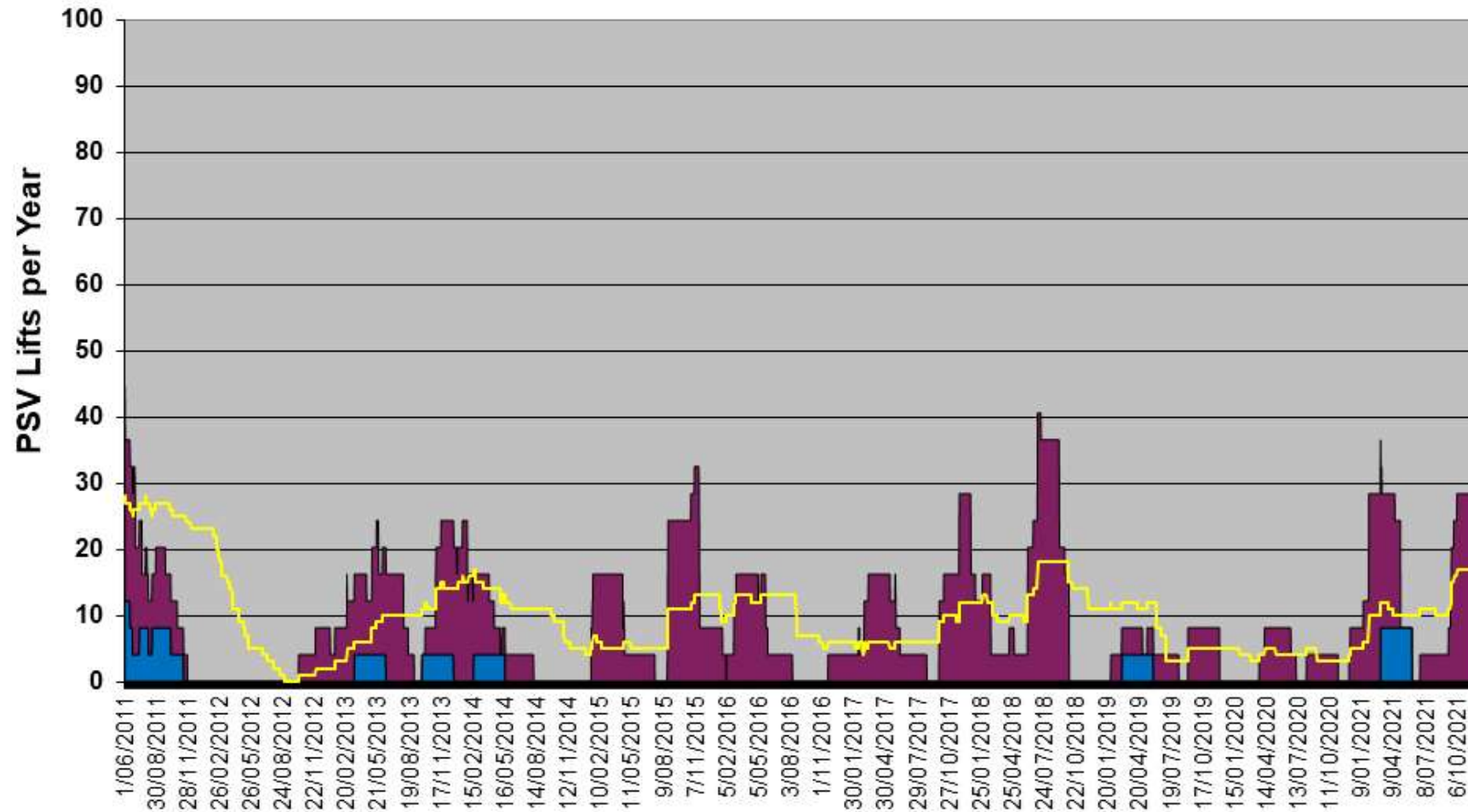
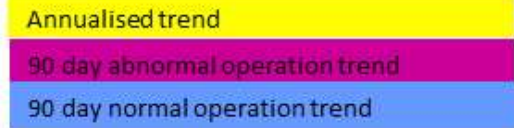


2020 Total - 5
 2019 Total - 5
 2018 Total - 11
 2017 Total - 12
 2016 Total - 6

In period 2009 - 2015
 Lowest rate 2 p.a
 Highest rate 23 p.a

High Pressure Events > PSV Set Points 90 Day Trend

2021 YTD 15 PSV Lifts (7 since last update)
 -3 air/steam lifts (associated with unplanned SC-2 S/D)
 -3 associated with SC-1 shutdown
 -1 further PSV associated with SC-2 restart

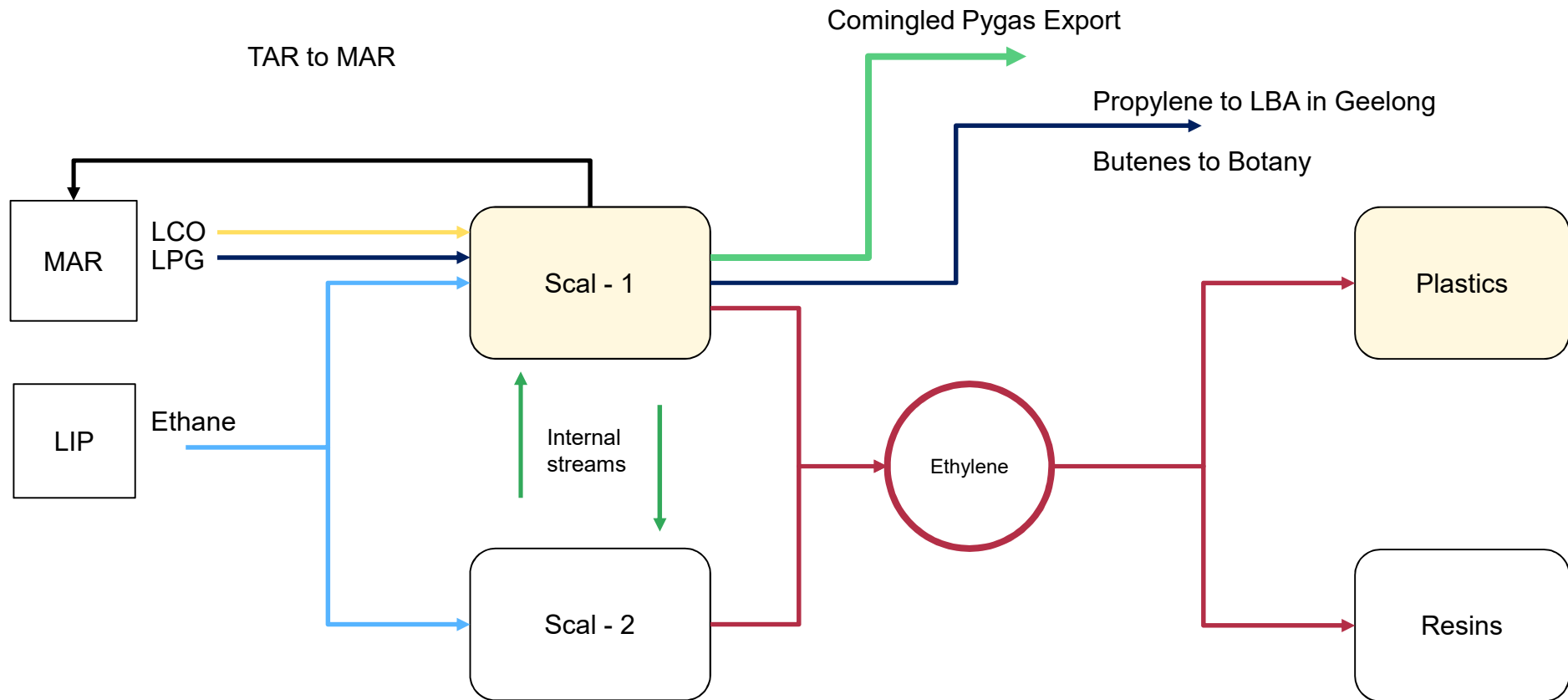


Altona Reconfiguration status



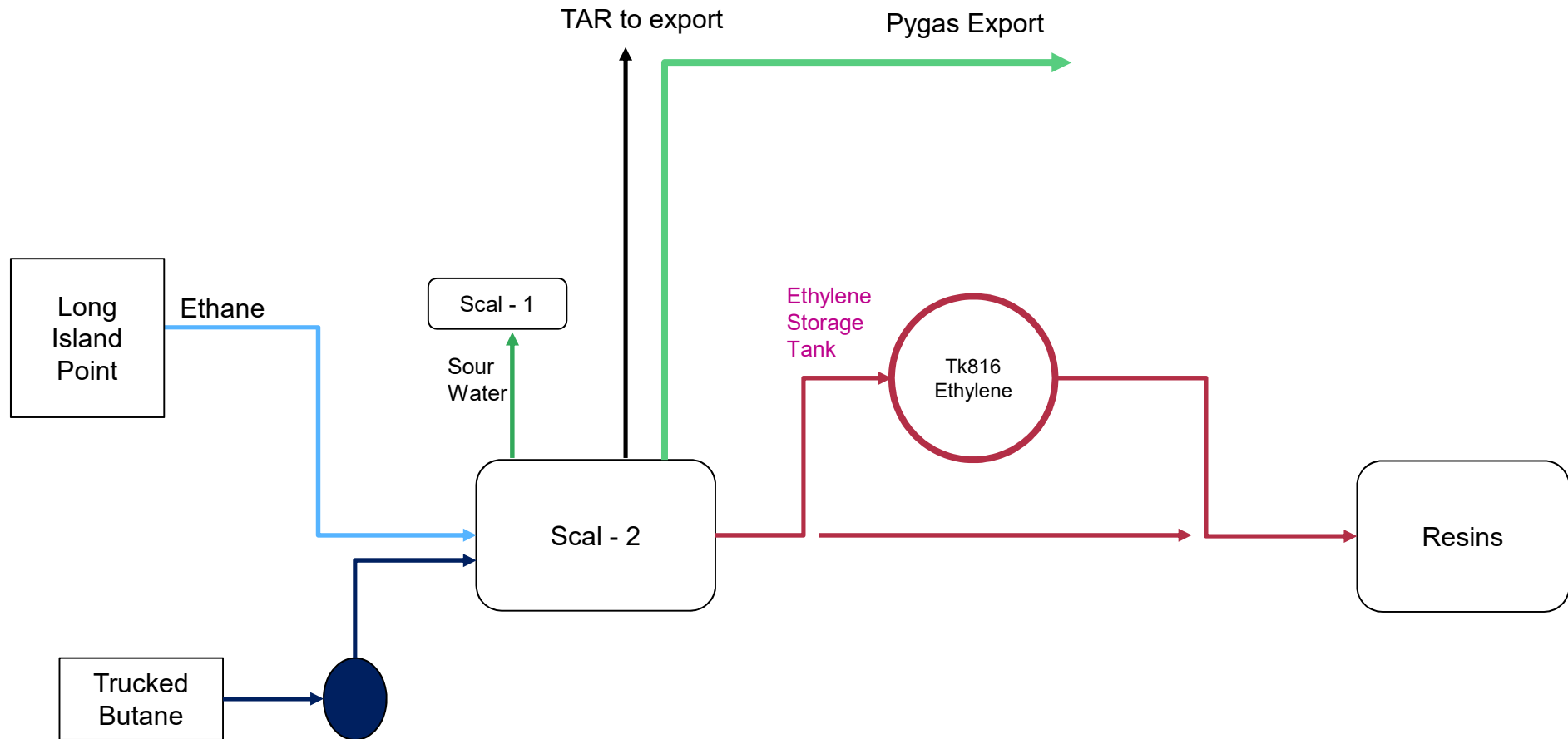
Altona Transformation

Since the announcement in May, significant progress has been made on the reconfiguration of Altona. Simplified process diagram of the before status



Altona Transformation

Project work required for Scal-2/Resins sustained operation has been completed along with the first phase of our mothball program



2022 priorities



2022 Priorities

Consolidating the new configuration is a key priority many new opportunities arise in 2022

Safely complete the transformation of the Altona Operations

- Implementation of the new integrated team structure
- Competency & know-how development
- Mothball of Scal-1 & Plastics
- Contractor Injury Prevention
- SHE Leadership & process Safety Culture program
- MHF Safety Case Submission

Operational Reliability

- Integrated planning
- Steam balance
- Furnace reliability
- Feedstock forecasting & stability

Environment/Sustainability

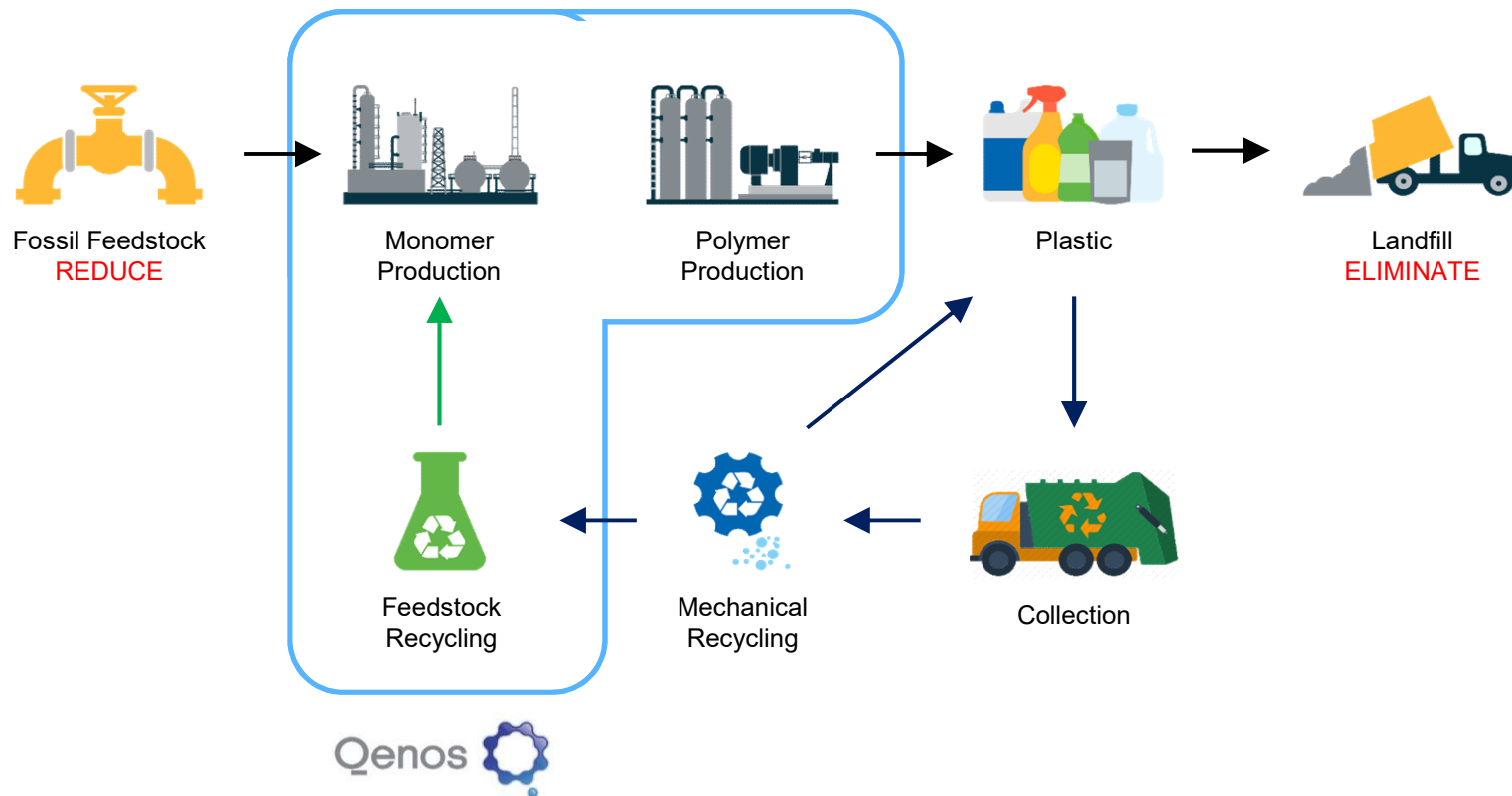
- Submission of the Clean Up Plan
- Effluent treatment plant odour
- Scal-2 stability & flare management
- Energy & steam optimization
- Recycled water to Resins
- Plastics legacy fluff & granule removal
- Advanced recycling concept

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Advanced Recycling – Concept Introduction

Advanced recycling complements mechanical recycling by upgrading heavily contaminated plastic waste to virgin-like quality



Advanced Recycling – Concept Introduction

Pyrolysis is able to treat mixed plastic waste to generate liquid feedstock that requires purification to enable it to be used as feedstock

