



April 2015 ACNCG meeting



Shaping our future

Introduction

Qenos update since November ACNCG

- Qenos actions arising (nil raised)
- Community
- Regulatory Interface

2015 Qenos ACNCG Focus Areas

2014 Performance Trends

Community

- December & March EMT meetings held

- Consultation
 - Community briefing & discussion on Qenos Noise EIP conducted
 - EMTs moved to evening
 - several new members have joined EMT
 - Qenos SHE Excellence Awards

- Complaints
 - 3 noise complaints in January for flare noise from Olefins after steam supply interruption.

Regulatory Interface

- EPA
 - Discussed draft groundwater Quality Management plan with EPA in December
 - Liaising with EPA about future of accredited licence program
 - Regulatory noise limits established in residential areas endorsed by EPA
- CWW
 - Minor Sulphide excursion for Olefins Trade waste 15th Dec & 30th Jan.
 - Customer notified non compliance in place until ETP clean completed
 - ETP clean executed without complaints or non compliances
- Worksafe

Nothing to report

2015 Goals

Aspect	Aim	
	November 2014 ACNCG	April 2015 ACNCG Status
Improve SHE performance	Reduce injury rate	<ul style="list-style-type: none"> 1 injury for the quarter, Injury rate better than 2014 and plan.
	Reduced community noise <ul style="list-style-type: none"> Implementation of Plastics recycle gearbox investment. Scope F-651 noise treatment. Reduced flare noise complaints. Community noise monitoring program in place. 	<ul style="list-style-type: none"> One gearbox installed in March. Performance being evaluated. F-651 scope evaluation in 2016. Complaints related to steam outage in January, Community noise monitoring at Charles Road & Galvin street in February And March
Business Outlook	Qenos is anticipating 2015 to be a further improvement in overall Business, however there is a general downturn across all sectors of industry at present.	<ul style="list-style-type: none"> Change in global oil price has also driven down regional PE pricing. Far more challenging year than we anticipated.
Consolidate investments	Olefins plant will continue to focus upon ethylene yield optimisation and energy utilisation.	<ul style="list-style-type: none"> Significant feedstock shortfall in Feb & March. April and May are also expected to be lower. Esso industrial issues.
	Polymer plant reliability improvements and performance enhancement to achieve 200kT PE production.	<ul style="list-style-type: none"> Based upon the first quarter ethane shortfall and continuing restrictions in supply, PE volume will be well below plan.
	Support the major investment in Botany	<ul style="list-style-type: none"> Turnaround planning process is on



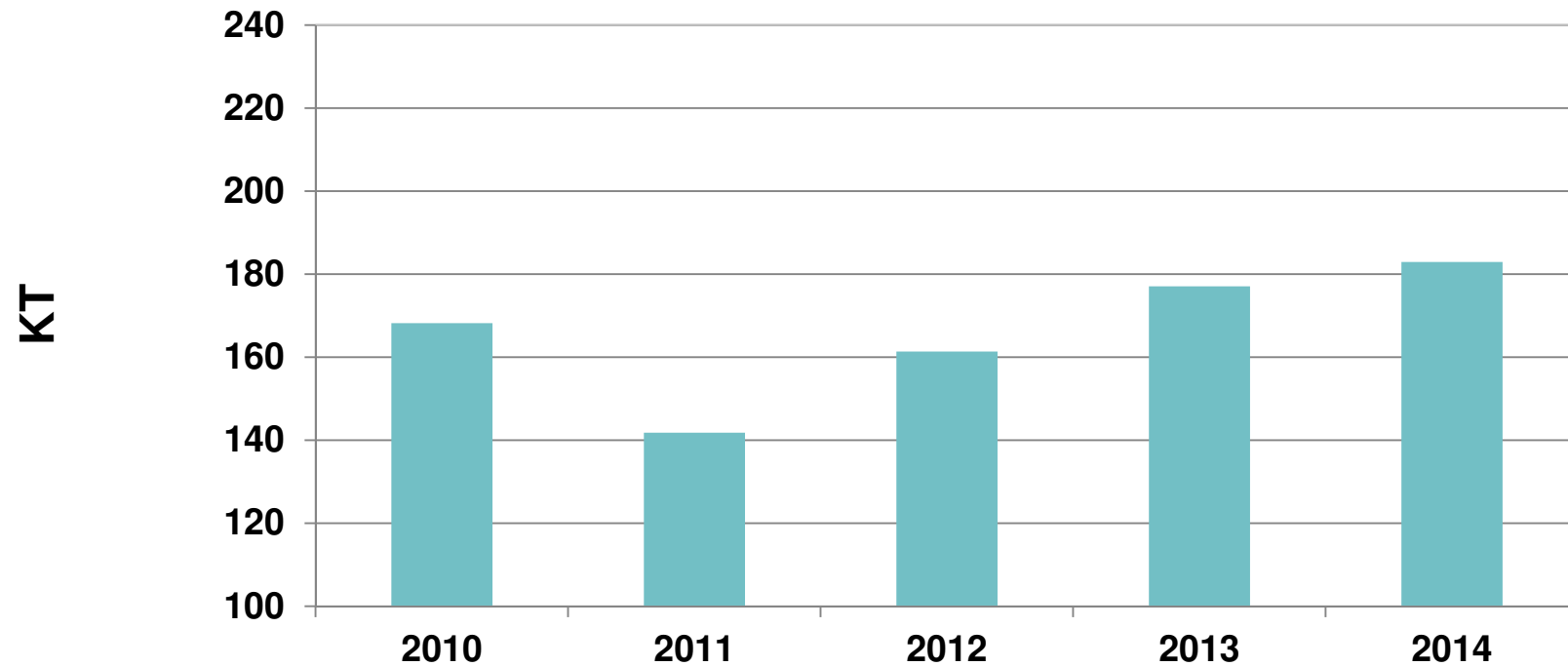
Qenos Altona 2014 Performance Trends



Shaping our future

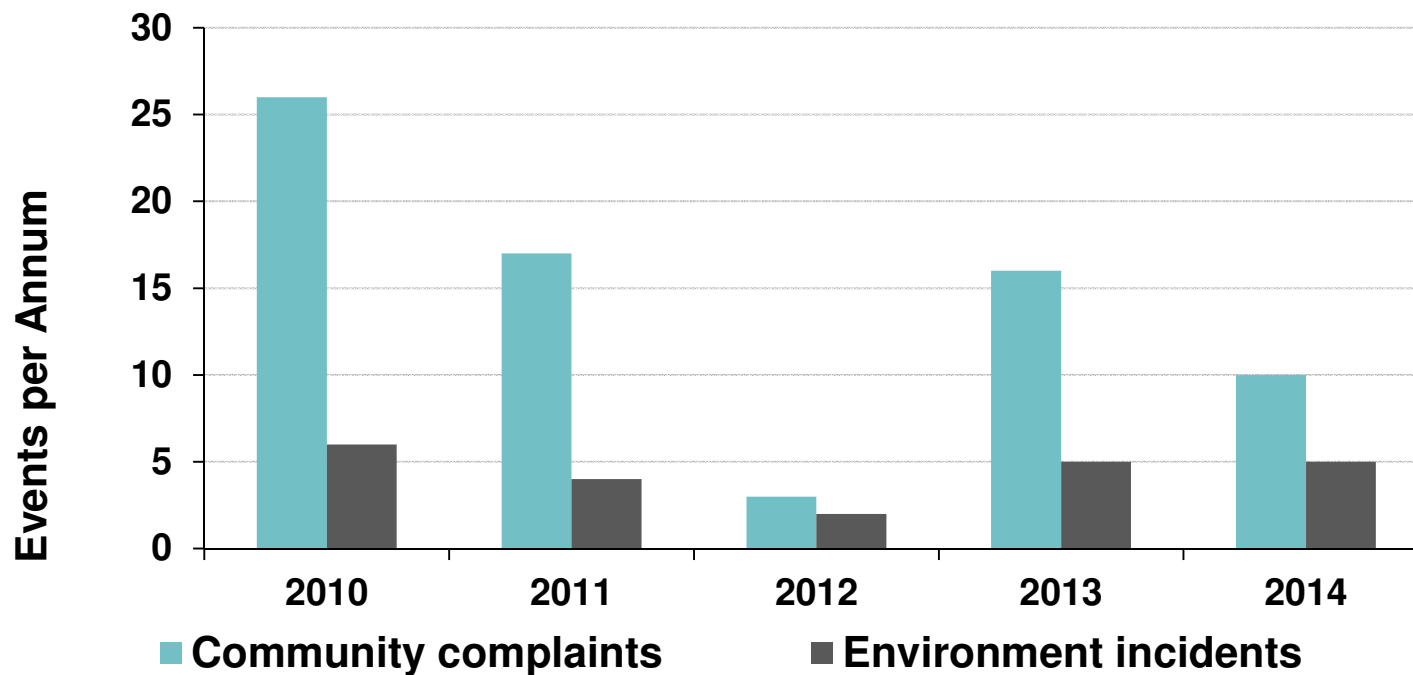
Polyethylene production

- 93% of production plan



Environment trends

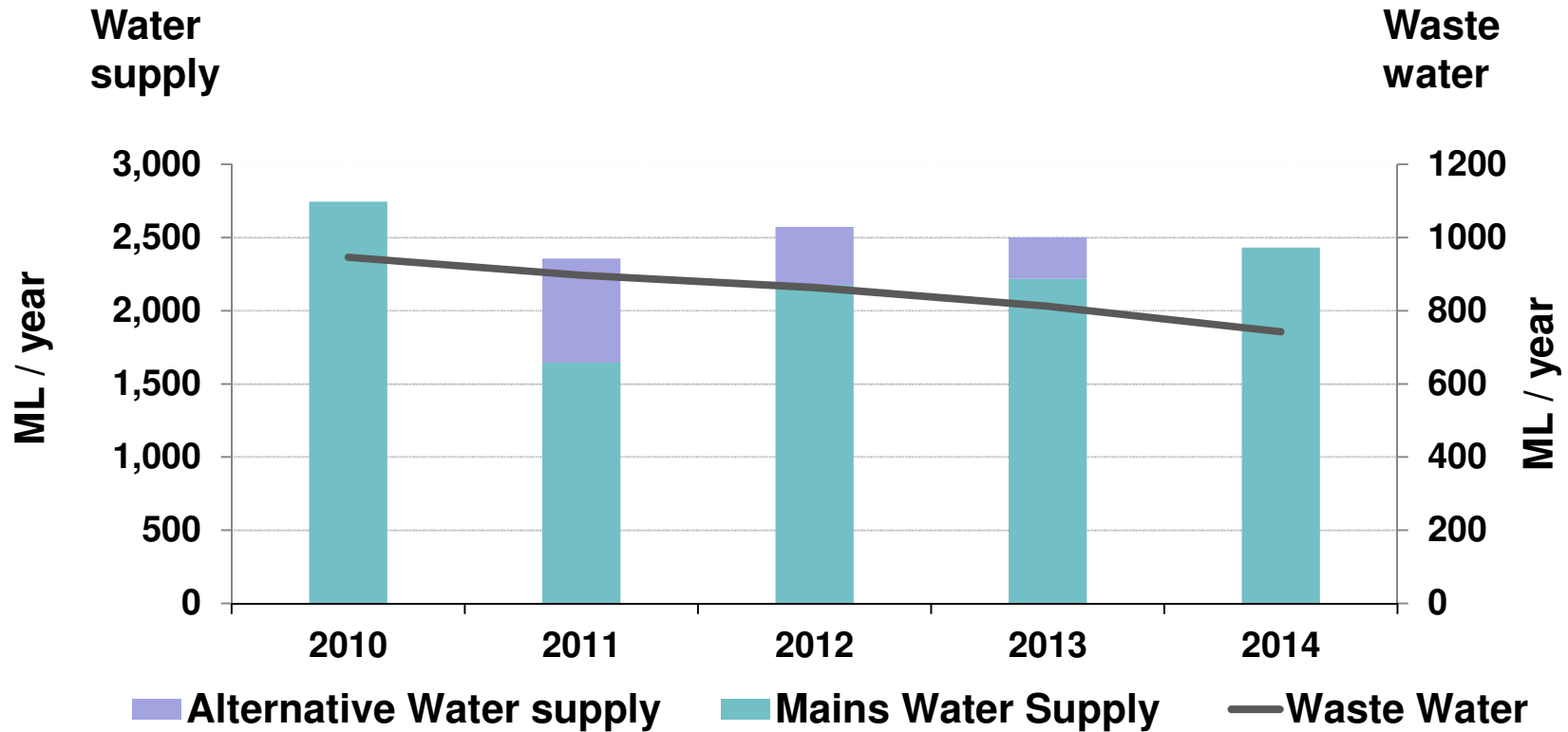
- Significant flare reduction reducing complaints.
- 2 Solvent LOC at Resins



Water Usages

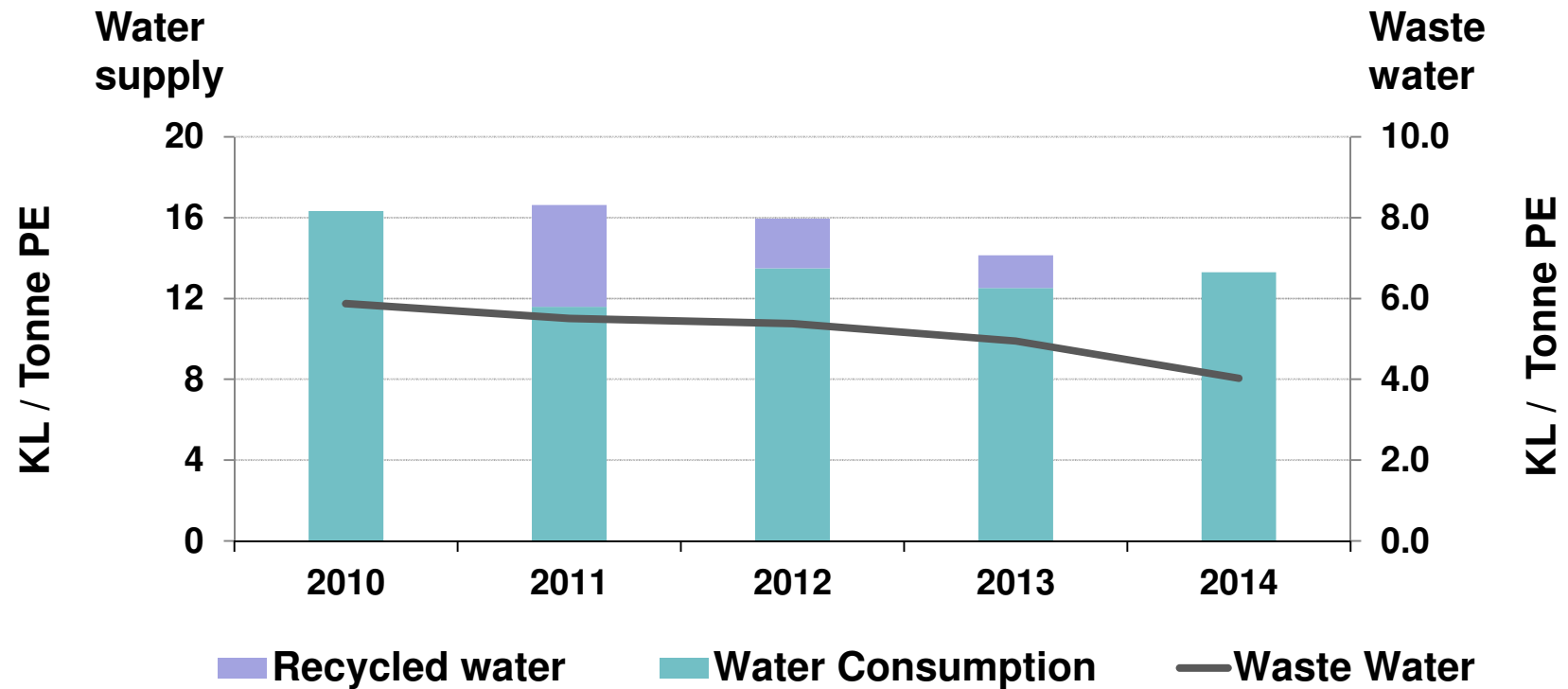
- Steam reductions.
- On site water reuse.

* No recycled water available in 2014



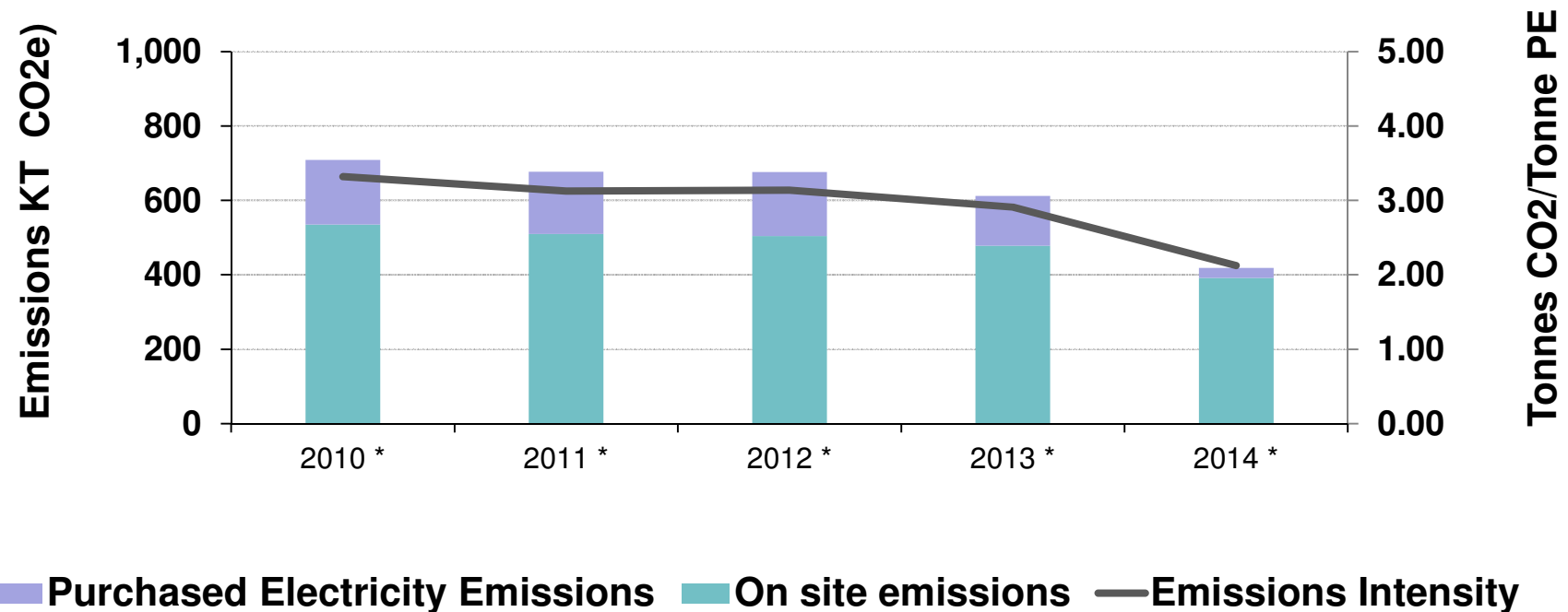
Water Efficiency

- Reduced steam production.
- Increased on site water reuse.



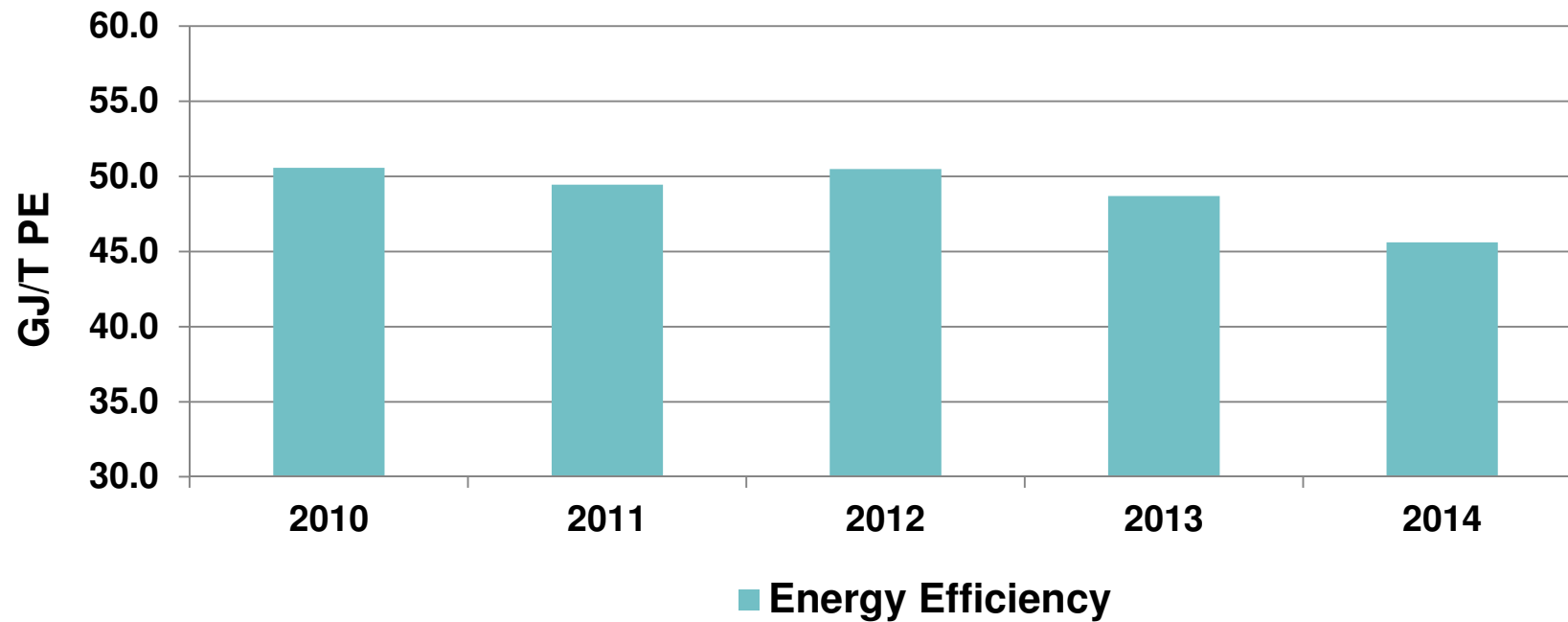
Greenhouse Gas Emissions

- Altona Revamp & Cogeneration projects
- Steam savings



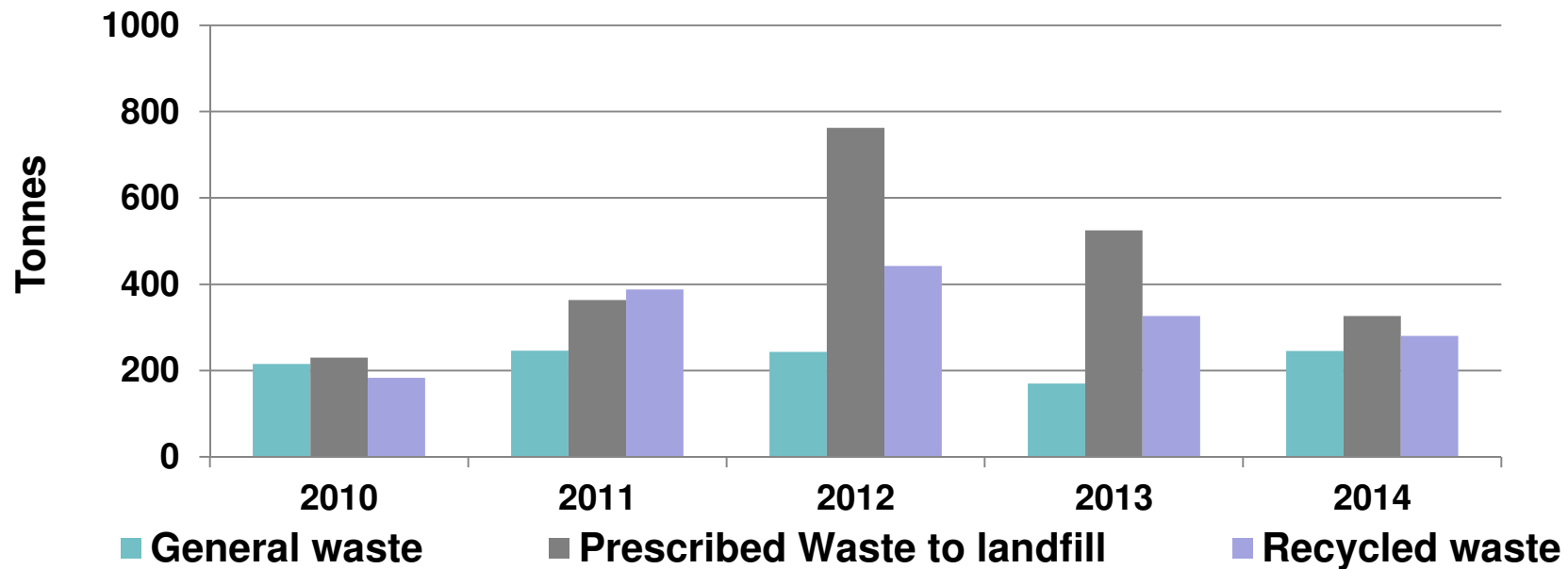
Energy Efficiency

- Altona Revamp & Cogeneration projects
- Steam savings



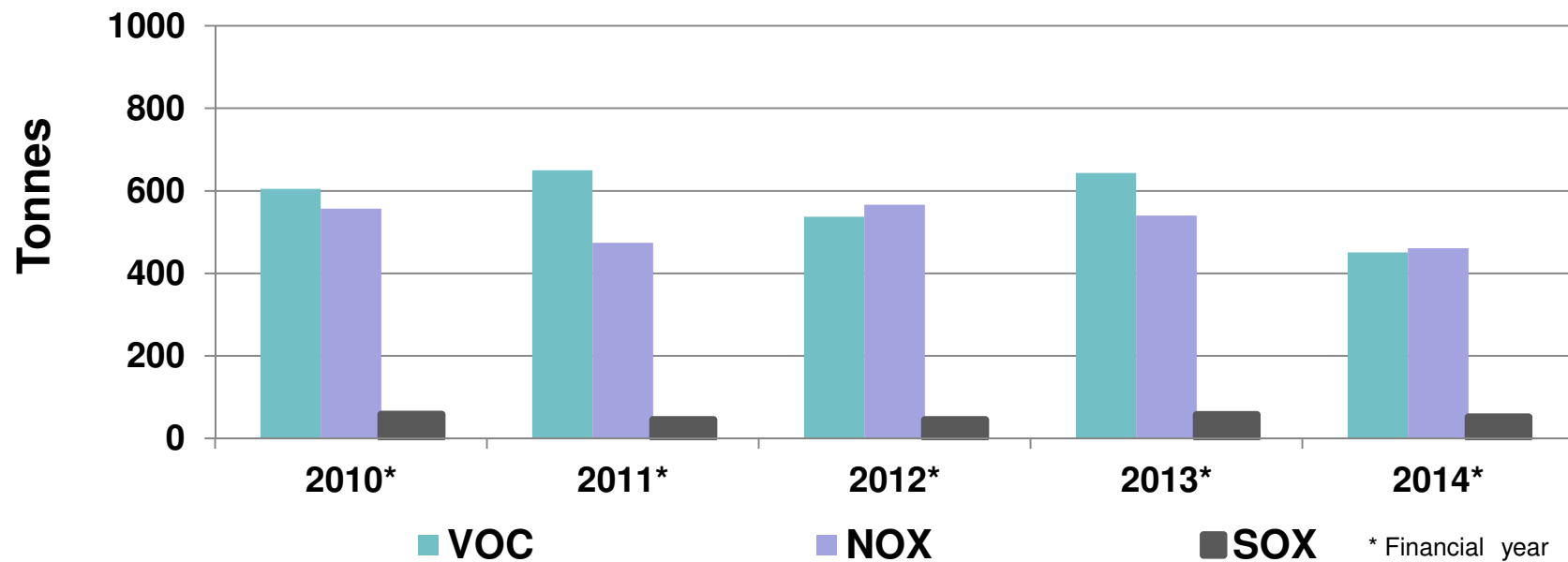
Waste

- Prescribed waste in 2014
 - Resins - pond cleans 50t
 - Resins – mud-hole waste 48 t
 - Olefins - caustic tank clean 41t



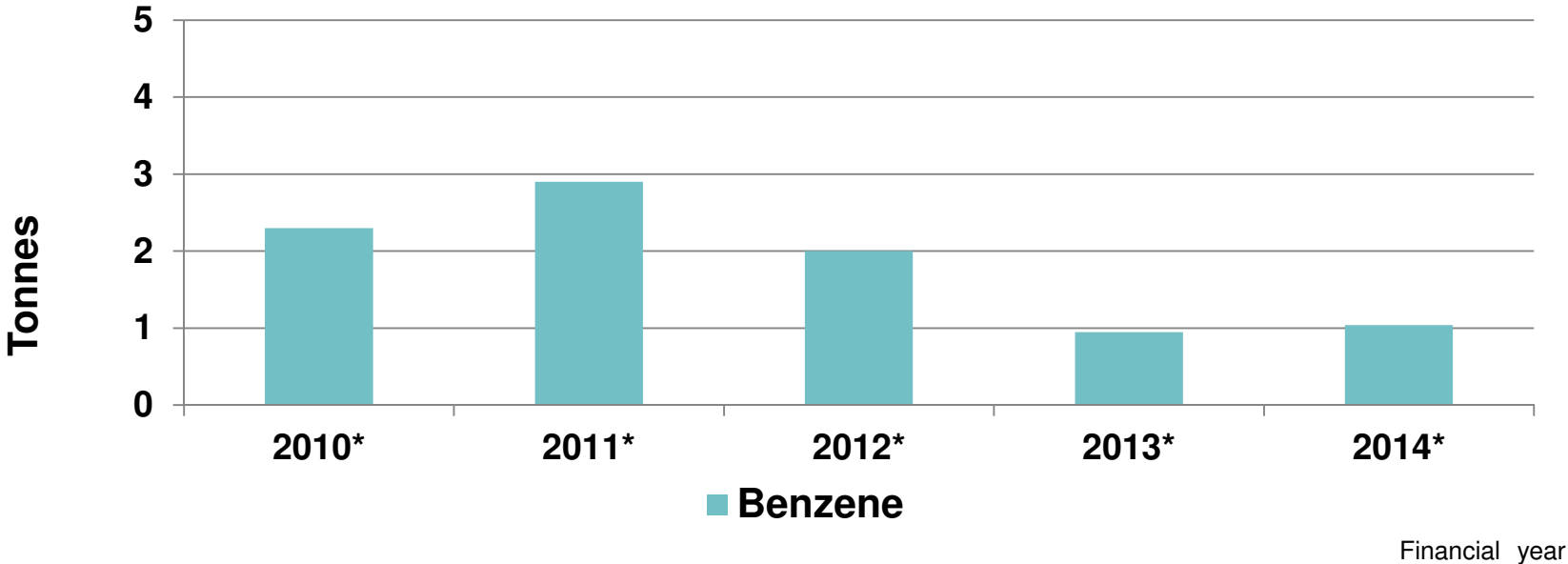
Emissions

- Reduction in boiler firing.
- Reduced flaring
- Reduced fugitive emissions



Emissions

- Minor increase in pump seal emissions



2013 vs 2014

Aspect	Aim	2013 vs 2014
Improve SHE performance	Reduce injury rate - TRIR	0.72 → 0.46
	Reduce flare impact on community	2929t → 850t
Business Outlook	With improved capacity and efficiency across the Altona Plants, coupled with the reduced \$A Qenos expects 2014 to be see an improvement in overall Business performance - EBITDA	↑ 300%
Consolidate investments	Optimise the Olefins site for further yield improvements and energy efficiencies.	1% increase in yield 42 GJ/T → 37 GJ/T
	Optimise steam generation from cogeneration plant	29 T/Hr → 34 T/Hr
	Maximise ethylene/PE production across Altona Plants – 200kta	5 kT increase in ethylene production