

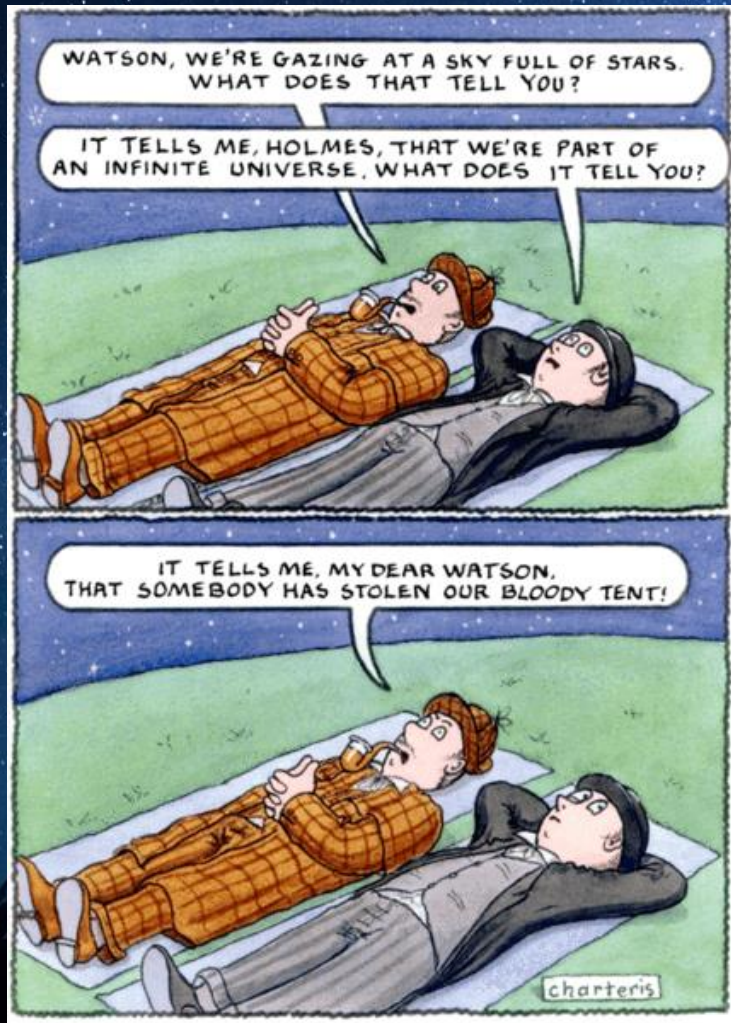
Sustainability Reporting in this New Age of Acceleration



Tom Murray
Former Senior Scientist (EPA)

**Suppliers' Partnership for the Environment
Quarterly Meeting – Detroit – July 19, 2017**

What's Right in Front of Us



Sometimes, we get so wrapped up in the complexity of what we're doing, that we miss the obvious.

This goes for our measuring and gathering of data too.

If we can't measure, and make use of the data that we are gathering, then we are missing the point and our efforts are for naught.

Overcoming Obstacles

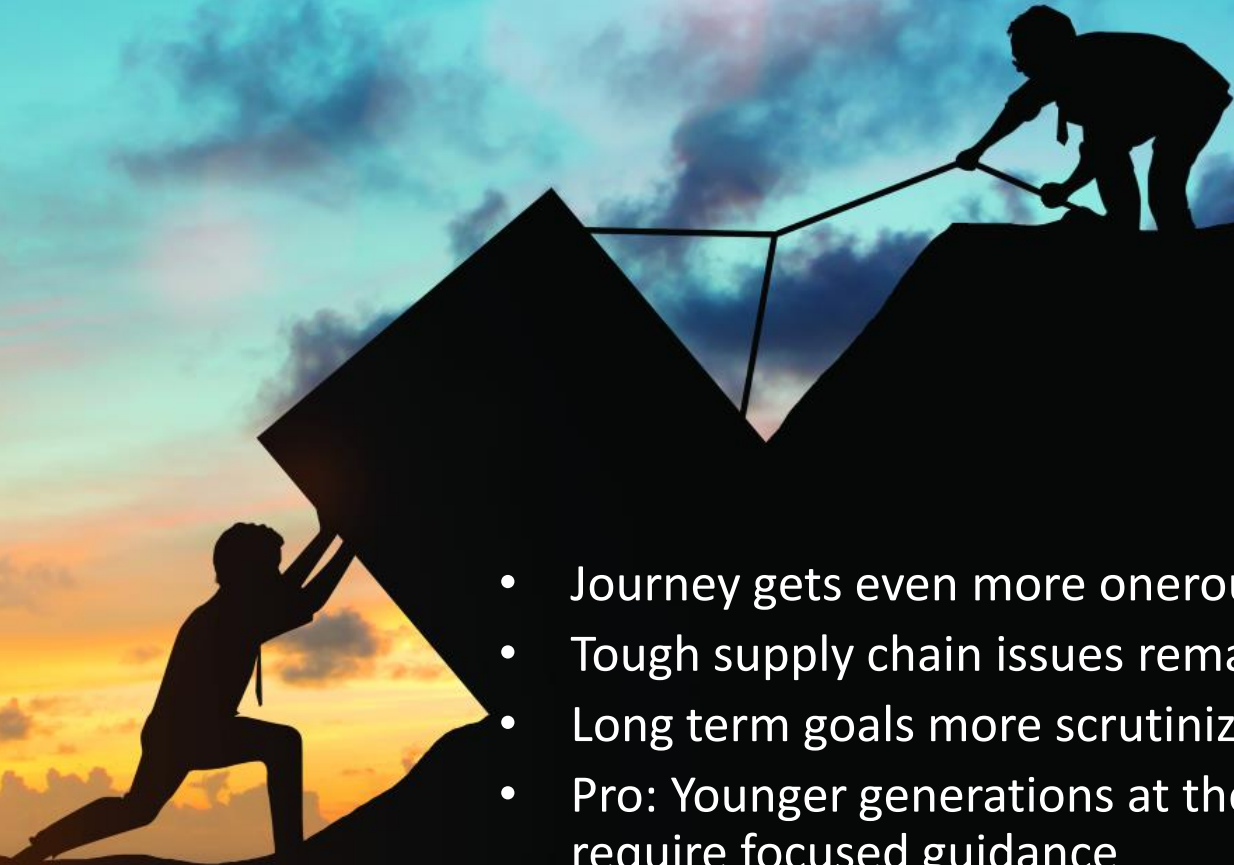




Clear Progression

Year on Year

Meeting Every Challenge



- Journey gets even more onerous.
- Tough supply chain issues remain.
- Long term goals more scrutinized.
- Pro: Younger generations at the ready and require focused guidance

The Age of Acceleration

The image shows the cover of the book 'Thank You for Being Late: An Optimist's Guide to Thriving in the Age of Accelerations' by Thomas L. Friedman. The cover is split vertically, with a dark blue left half and a red right half. The title and author's name are printed in yellow. The book is resting on a white surface next to a small white vase containing green flowers.

“Slow down, dare to be late, and use the time to re-imagine workplace, politics, geopolitics, ethics and community.” – Thomas L. Friedman

A Long Standing Partnership



Always Evolve

The key is progressing from a vision, even if you are not a data cruncher, to data and metrics : a language that can be firmly understood and deployed.



Acting on Data...

SUMMARY OF ALL WATER USED



Drop Filter Fields Here

Incoming_Water_Used_(1000_Gallons) Water_Reused_(1000_Gallons) Waste_Water_(1000_Gallons)

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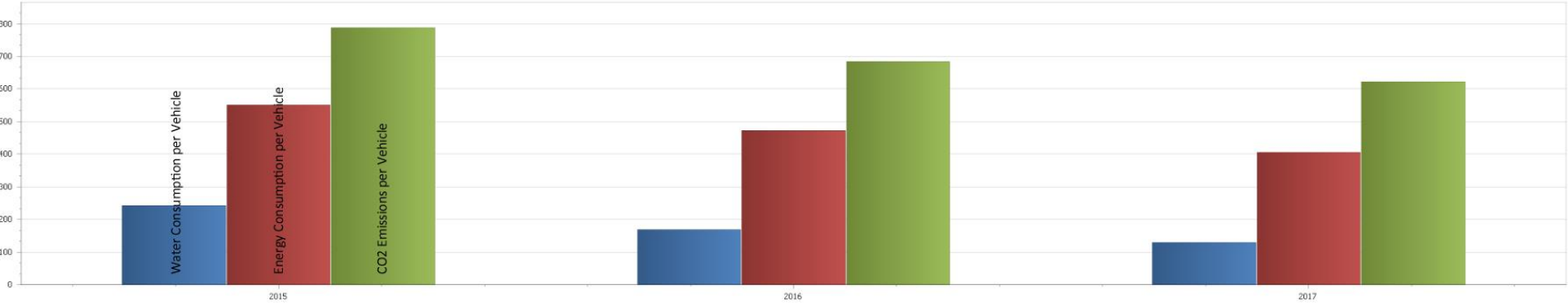
Year	Month	Incoming_Water_Used_(1000_Gallons) (Sum)	Water_Reused_(1000_Gallons) (Sum)	Waste_Water_(1000_Gallons) (Sum)	
2016	5	2,561.00	972.00	920.00	
	6	2,750.00	949.00	951.00	
	7	2,955.00	1,044.00	1,137.00	
	8	2,560.00	1,008.00	1,058.00	
	9	2,777.00	1,148.00	1,061.00	
	10	2,604.00	1,015.00	985.00	
	11	2,551.00	901.00	1,146.00	
	2016 Total		18,758.00	7,037.00	

- Including readouts of water used, water reused, and waste water produced.
- Broken down over calendar month, per specific facility, with high accuracy.

...Giving You Real Metrics

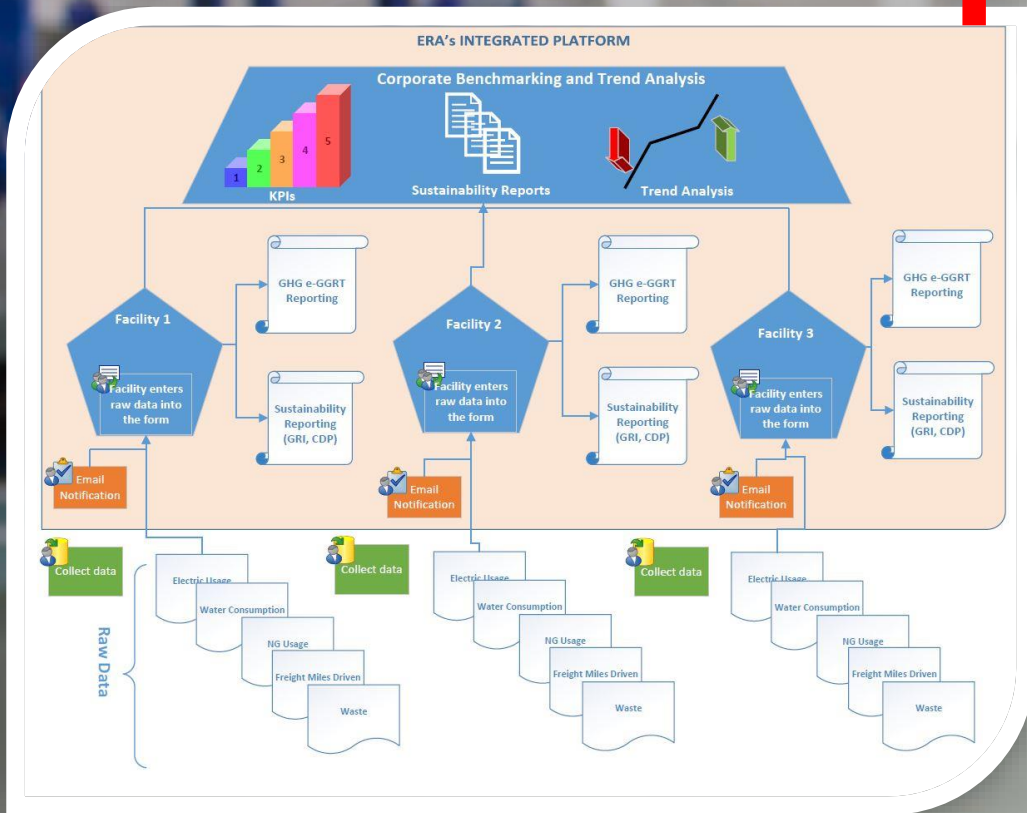
Sustainability Module

Water Consumption per Vehicle Energy Consumption per Vehicle CO2 Emissions per Vehicle

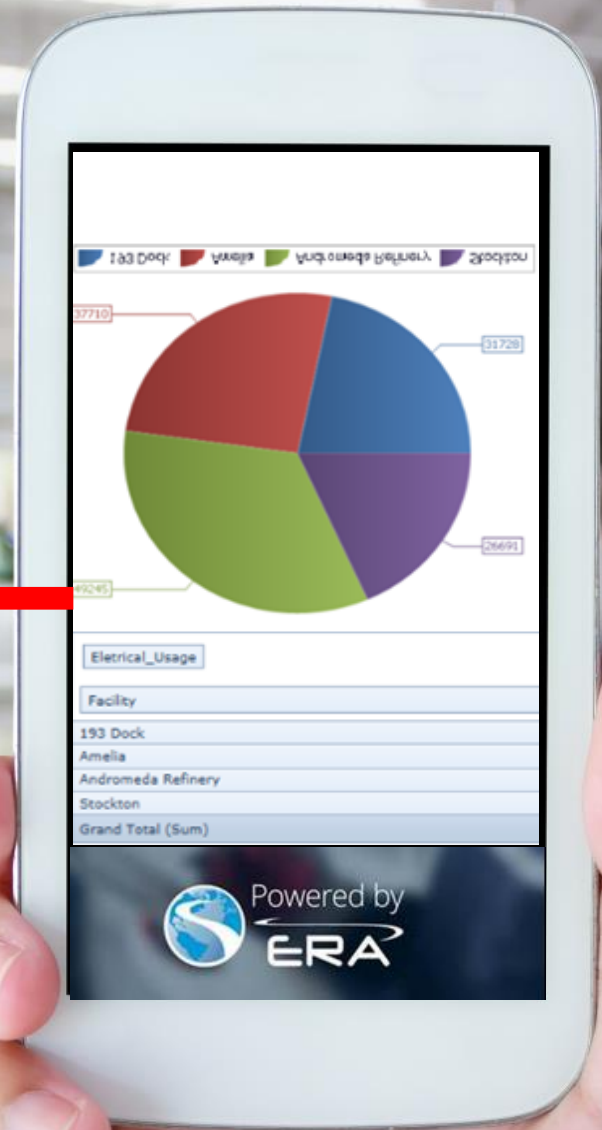
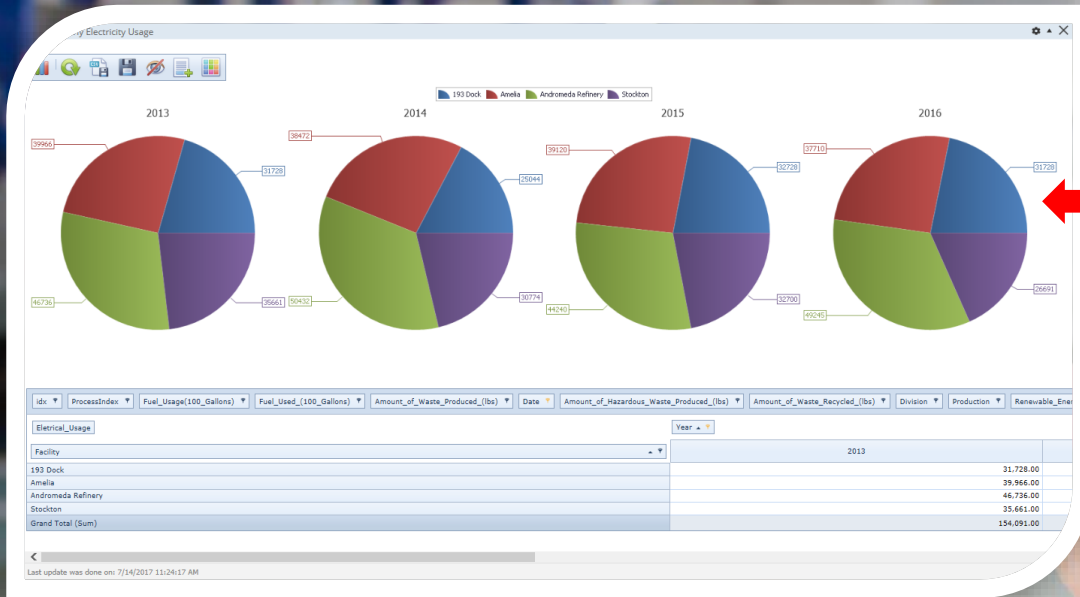


Year	Water_Consumption_per_product_(Liters/Product) (Sum)	Energy_Consumption_per_Product_(kWh/Product) (Sum)	CO2_Emissions_per_product_(Lbs/Product) (Sum)
2015	242.00	550.00	787.00
2016	167.00	471.00	683.00
2017	128.00	405.00	622.00
Grand Total (Sum)	537.00	1,426.00	2,092.00

Real Time Processes



Real Time Processes



Your Specific Needs



- No one knows them as well as you do.
- Everyone has needs to be addressed.
- Communication is the key to resolution.

Communication



- 100% Personalized Webinar
- OEM focused
- Sustainability goals
- Visualizing data requirements

Passing the Torch



“Each generation is getting more educated about the environment – Even preschool and elementary children – the new generation is already aware.”

Gary Vegh, ERA Environmental

The Washington Post 7 June, 2017

ERA Ingenuity at Work 2017

- September 18 – 20, 2017.
- Taking place at the Chemical Heritage Foundation, Philadelphia, PA.
- Three days of expert insight into the best reporting practices, data visualization, reporting on sustainability, risk aversion and cost efficiency. Speakers include GM's John Bradburn.
- SP membership ticket rates available.
- events.era-environmental.com



Questions?



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Let's Talk!