




# 2017 Significant Aspects, Related Objectives and Targets for Vessels

	Significant Aspect	Environmental Impact	Objective	Target
1 	Consumption of cylinder lubricating oil, fuel, and electricity for vessel operation	AIR POLLUTION AND CLIMATE CHANGE	Conserve fuel, electricity and reduce impacts to air quality	<ul style="list-style-type: none"> <li>• Port of Long Beach speed reduction program – achieve 95% at 20nm and 13% at 40nm</li> <li>• Actively test fuel savings associated with the operation of Dynamic Trimming Assistant (DTA) system onboard <i>Manukai</i></li> <li>• Continue to install LED lighting when existing lighting system needs replacement</li> </ul>
2 	Using ballast water for trim and stability	INVASIVE SPECIES	Reduce the risk of invasive species introduction from ballast water discharges	<ul style="list-style-type: none"> <li>• Install Optimarin ballast water treatment system on the <i>Matson Kodiak</i> in the 3<sup>rd</sup> Quarter of 2017</li> <li>• Test and monitor the effectiveness of ultraviolet (UV)/filtration technology for the Alaska trade route</li> </ul>
3 	Waste generation from housekeeping and operations	SOLID AND LIQUID WASTE	Decrease waste	<ul style="list-style-type: none"> <li>• Continue to evaluate Terragon Micro Auto Gasification System (MAGS) for applicability fleet wide</li> <li>• Establish a recycling process for printer cartridges used on the ships</li> <li>• Continue to explore ways of reducing unnecessary packing material from coming aboard the ships</li> </ul>