



Koch Cost Summary - Warranty Payment and Value Derived 2007 - 2014

Year	Cartridges	Payment/\$K	Unit Cost
2007	24	\$ 75	\$ 3,125
2008	17	\$ 156	\$ 9,176
2009	18	\$ 215	\$ 11,944
2010	18	\$ 233	\$ 12,944
2011	201	\$ 240	\$ 1,194
2012	100	\$ 246	\$ 2,460
2013	100	\$ 300	\$ 3,000
2014	250	\$ 313	\$ 1,252
Total	728	\$ 1,778	

2007 - 2014 KMS Warranty	
Average \$/Cartridge	\$ 2,442.31

2014 Cartridges is an estimate per JWM

KMS Agreement allows for non-prorated warranty, flux guarantee, and acceptance testing

Cartridge Costs range from \$1,194 - \$12,944

No guarantee on unit cost with warranty

Projections are uncertain due to Targa II introduction

\$755,000 was used to purchase new membranes in 2007

Total Cost - Purchase and Warranty	
Average \$/Cartridge	\$ 2,167.23