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Cost of Corrosion – Category: Utilities

Gas Distribution		В\$	5.0
Drinking Water and Sewer Systems		В\$	36.0
Electrical Utilities		В\$	6.9
Telecommunications		В\$	
	TOTAL:	В\$	47.9

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Cost of Corrosion – Category: TransportationMotor VehiclesB\$23.4ShipsB\$2.7AircraftB\$2.2Railroad CarsB\$0.5Hazardous Materials TransportB\$0.9TOTALB\$29.7

Cost of Corrosion – Category: Production & Manufacturing

Oil & Gas Exploration & Production		B\$	1.4	
Mining		B\$	0.1	
Petroleum Refining		B\$	3.7	
Chemical, Petrochemical, & Pharmaceut	tical	B\$	1.7	
Pulp & Paper		B\$	6.0	
Agricultural Production		B\$		
Food Processing		B\$		
Electronics		B\$		
Home Appliances		B\$	1.5	
	TOTAL	B\$	17.6	
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Government			
Defense		B\$	20.0
Nuclear Waste Storage		B\$	0.1
	TOTAL	B\$	20.1

Cost of Corrosion – Summary of Sector Analyses

Infrastructure		В\$	22.6
Utilities		B\$	47.9
Transportation		B\$	29.7
Production & Manufacturing		B\$	17.6
Government		B\$	20.1
	TOTAL	B\$	137.9

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	Sector Summary: Highway Bridges	
	Replace structurally deficient bridges B\$ 3.79	
	Maintenance and capital cost For concrete bridge decks 2.00 For concrete sub- and superstructures 2.00	
	Maintenance painting cost for steel bridges .5	
	Total : B\$ 8.29	
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Sector Summary: Transmission Pipelines

Image: Construct of Capital (\$ x M) (\$ x M) (\$ x M) % Cost of Capital 2,500 2.840 2,670 38 Operations & Maintenance (O&M) 2,420 4,840 3,630 52 Cost of Failures (Non-Related O&M) 471 875 673 10
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Operations & Maintenance (O&M) 2,420 4,840 3,630 52 Cost of Failures (Non-Related O&M) 471 875 673 10
Cost of Failures (Non-Related O&M) 471 875 673 10
TOTAL COST DUE TO CORROSION 5,391 8,555 6,973 100















peration, Maintenance, Finance, Ca	oital		
•Drinking water systems		B\$19.25	
•Sewer systems		B\$13.75	
Cost of Lost water	тотм	B\$3.0	

Oil & Gas Exploration Production

\$1.4 Billion Per Year







Sector Summary: Oil & Gas		
Operation, Maintenance, Finance, Capital		
•Surface Piping & Facility Costs		M\$589
•Downhole Tubing Expenses		M\$463
Capital Expenses	TOTAL	M\$320
	TOTAL	₿\$1.30
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