



Cost Analysis of Pressure Washer Recycling System

12/23/10

Initial Investment Costs

Encyclon Filter Model	651SP-MWTT Trailer Mounted System	\$13,111.00
Budget Wash Pad	For 30 x 35 foot wash pad	
Pond Liner 35 x 40'	Firestone EPDM 45 mil rubber pond liner	\$840.00
Pond Liner Underlayment	Underlayment #AQ GEO - 15 x 50'	\$187.50
Pipe Boot	EPDM pipe boot for pipes 1 to 6" for drain #W563581063	\$29.00
EPDM Lap Cement	Glue pipe boot - HS-1 Firestone #FIR-W563587033-1	\$9.99
Landscape Timbers	Drape liner over - (17) 3" x 5" x 8-foot OAL @ \$3.98 each	\$67.66
Sump Collector	For small sump using sump pump	
Poly Sump Pit	Ak Inds AKP30140 Polyethylene 30 gal. Sump Basin 18"X30"	\$74.99
Poly Sump Cover	Ak Inds AKP70120 Cover Sump	\$24.99
Strainer Basket	12" diameter x 12" Stainless 3/32" Perforated Basket #14214	\$340.66
Sump Pump	Wayne 1/2HP Submersible Sump Pump - CDU-800	\$129.00
Other Plumbing Fittings	Various PVC fittings and pipe to plumb sump	\$75.00
Other Electrical Parts	For sump pump only - (Unit has 50 ft dock cord and switch)	\$40.00
Labor to install system	Estimated at 8-hours @ \$20.00 per hour	\$160.00
Total Cost		\$15,089.79

Return on Investment

Number of boats washed last year	250		
Avg length of vessel washed	30		
Cost per foot	\$4.00	Wash Revenue	Avg Per Boat
Using Current Pricing for Washing Boats		\$30,000.00	\$120.00

Adding New Customer Environmental Charges

Including Flat Fee per vessel	\$30.00	\$37,500.00	\$150.00
Including per Foot Feed	\$1.00	\$37,500.00	\$150.00
Including both Flat & Per Foot boat washing charges		\$45,000.00	\$180.00

Using Only Additional Environmental Fees to Pay for Recycling System

Flat Fee Revenue	\$7,500.00	Years required to payback investment	2.01
Per Foot Revenue	\$7,500.00	Years required to payback investment	2.01
Per Foot AND Flat Fee Revenue	\$15,000.00	Years required to payback investment	1.01

This cost analysis was completed by Mike Petsch & Associates, Inc. The values indicated are based on our best estimates and do not include any expressed or implied warranty for our calculations. The actual costs for your application will vary depending on the prevailing material costs for your location and the experience of contractors utilized. Encyclon prices are subject to change without notice.