

# HOW MUCH CAN I SAVE IN CLEANING COSTS?

This cost comparison was compiled from information submitted by our customers.

## Project criteria used to prepare this analysis:

- **Cleaning Project** \_\_\_\_\_ Ground storage tank - 40' high x150'dia.(exterior surfaces) = 36,000 sq. ft.
- **Cleaning Specifications** \_\_\_\_\_ Commercial Finish -3 mil Profile
- **Media** \_\_\_\_\_ **Hand Blast**- Black Beauty - \$0.13/lb.-5 lb. / sq.ft.  
**FasterBlaster** -S330 Steel Shot with 20% GS-25 Steel Grit - \$.57/ lb. -.05 lbs. / sq.ft.
- **Blasting Production** \_\_\_\_\_ \* **Hand Blast**- 100 sq. ft. / hr. /6 men 4 Blasters @\$18/ hr.  
2 Tenders @ \$12/ hr. - 8 hours/ day- 11 days total  
\* **FasterBlaster**- 750 sq. ft./hr. 1.5 men @ \$18 / hr. (1 Blaster on walls)  
(1 Blaster and 1 \$12/hr. helper for the roof )- 6 days total
- **Power** \_\_\_\_\_ **Hand Blast**- 1600 CFM Air Compressor  
**FasterBlaster**- 100 KW Generator (unless plant power is available)

\* Labor rates shown above do not include overhead and are average hourly pay rates.  
Rates will vary depending on company, region, unions, etc.

The cost analysis below covers approximately 97% of the tank surface. Approximately 3%, which includes pipes, ladders and other cut ins, will have to be completed with at least one hand nozzle and perhaps some small containment.

	Hand Blast (11 Days)	FasterBlaster (6 Days)
Labor	4 Blasters----- \$ 6336 2 Tenders----- \$ 2112 \$ 8448	1 Blaster (Walls) ----- \$ 576 1 Blaster / 1 Helper (Roof) ---- \$ 480 \$ 1056
Media	180,000 lbs. Black Beauty @ \$ 0.13 / lb.----- \$ 23400 Delivery----- \$ 4000	(1) 2000 lb. Drum of Shot @ \$ 0.57 / lb----- \$ 1140 (includes delivery)
Rental	1600 CFM Compressor For 2 Weeks----- \$ 4000	100 KW Generator For 1 Week----- \$ 1000
Fuel	20 gal. / hr. @ \$ 4.00 / gal. Fuel for 11 days----- \$ 7040	8 gal. / hr. @ \$ 4.00 / gal. Fuel for 6 days----- \$ 1536
Clean Up Disposal	90 Tons @ \$ 75 / ton Disposal fee----- \$ 6750 Transport/Testing----- \$ 2400	2 Tons @ \$75 / ton Disposal fee----- \$ 150 \$ 100
Maintenance	\$ 0.032 / sq. ft.----- \$ 1152	\$ 0.015 / sq. ft.----- \$ 540
<b>Total Costs</b>	<b>\$ 57,190</b>	<b>\$ 5,522</b>

## Additional Cost Saving Considerations

- Containment can be a major cost that has not been considered in this analysis. Many projects today require containment. **None is required when using the FasterBlaster.**
- Painting can be conducted during the blasting process since there is no dust emissions from the FasterBlaster. **Very little blast is lost due to rain.**
- With the time savings advantage of the FasterBlaster, **more projects can be completed during the year.**
- Generator rental and fuel cost can often be eliminated if plant power is accessible.
- Labor and equipment cost for clean-up of the hand blasted disposable waste was not included in this analysis.  
**There is no clean up required with the FasterBlaster operation.**