Gayflower 2.0 Cost Estimates

This is an overview of the costs and benefits of using a single trailer for shower, toilets, fresh, and grey water as opposed to using OSS services (what's OSS, you ask?).

Assumption: 2300 gallons fresh water, 2300 gallons waste water (mostly grey), two toilets, 2025 OSS pricing.

Scenarios:

OSS + Portos - using OSS providers with portopotty rental
OSS + Ecozoic - using OSS with Ecozoic toilets
Gayflower - using the Gayflower
Water Only - using a water trailer for fresh and grey water; OSS for everything else

Annual Operating Costs

Item	OSS+Portos	OSS+Ecozoic	Gayflower	Water Only	Notes
Potable Tank 1000gal	1500	1500	0	0	SSS price incl pump and hose
First Fill 1000gal	1000	1000	0	0	SSS price $1 first fill
Addl Fill 1300gal	2275	2275	0	0	SSS price $1.75 each addl gal
Grey Tank Rental 250gal	400	400	0	0	SSS tank rental only
Grey Water Pump 2300gal	4600	4600	0	0	SSS price per gallon
Gerlach Water Fill	0	0	1495	1495	Gerlach 2025 price 0.65
Portopotty Rental (2)	2082	9211	0	9211	United Site price for porto Ecozoic prices based on 2024
Trailer storage Empire	0	0	1200	1200	Empire Storage and Rental (Temen probably similer)
Annual trailer DOT inspection	0	0	250	250	

Item	OSS+Portos	OSS+Ecozoic	Gayflower	Water Only	Notes
Round trip OSS delivery	0	0	1350	1350	
BMORG OSS Fees	0	0	275	275	
Total	**11857**	**18986**	**4570**	**13781**	
savings over ecozoic			**14,416**	**5,205**	

Build Costs (est)

Item	Gayflower	Water Only	Notes
53ft x 102in Dry Van Trailer, Used, Nevada	16000	0	Price est based on TruckPaper completed auctions
53ft x 102in Flatbed, Used, Nevada	0	8000	
7 IBC Totes, 330, new, delivered Empire (Fresh Water)	4000	4000	Cary Company
7 IBC Totes, 330, used (Grey Water), pickup Reno	0	1050	Nevada Container Supply
10 Grey Water Tanks, 250 gal each	5790	0	PolyJohn HT01-0250 at Webstaurantstore
Fresh Water Hoses and Connectors	2000	2000	
Grey Water Hoses and Connectors	2000	2000	
Pumps	340	340	Harbor Freight DRUMMOND 1 HP Stainless Steel Shallow Well Pump plus backup
Steel hardware and welding	10000	2500	
Floor decking	5000	0	
Dry Van modifications for doors and utility access	8000	0	
Interior framing	5000	0	
Macerating RV toilets	3000	0	(two)
Waterless urinals	600	0	(two)
Interior Plumbing Parts	3000	0	
Sinks, faucets, vanity	3000	0	

Item	Gayflower	Water Only	Notes
Shower enclosures, shower heads	2500	0	(two)
Pond liner secondary containment	3000	3000	For gayflower, secondary containment is permanently built into trailer. For water only, secondary containment consists of external evap ponds that must be set up on playa.
Lighting and electric	4000	0	
Parts, not including labor	77230	22890	
Labor	50000	10000	how much of this can you get from your campers? How good are you at hiring and supervising construction workers? Where are you going to build it?
Parts, including labor	127230	32890	
years to amortize	9	6.3	

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