



RAINWATER TANK SIZING EXAMPLE
EFFECT OF TANK SIZE ON ANNUAL PERFORMANCE

(Derived from RAIN-TANK 2017 Worksheet)

INPUTS

Location: Nanaimo, BC
 Roof Area: 1,200 sq. ft.
 Roof Efficiency: 90%
 Household Usage: 2,500 imp gal/month
 Tank Size: See below

| Tank Size (imp gal) | Rainwater Wasted (imp gal) | Rainwater Usage Shortfall (imp gal) |
|------------------------------|-------------------------------|---|
| 1,000 | 17% | 29% |
| 2,000 | 13% | 26% |
| 3,000 | 9% | 22% |
| 4,000 | 5% | 19% |
| 5,000 | 1% | 16% |
| 6,000 | 0% | 14% |
| 7,000 | 0% | 14% |
| 8,000 | 0% | 14% |
| Optimum tank size 6,000 gal. | | |