

***R44 Raven I***  
**ESTIMATED OPERATING COSTS**

Price of R44 Raven I with COM, GPS, and Transponder \$ 336,700

**FIXED ANNUAL COSTS**

Depreciation (Negligible, freshly overhauled R44s typically sell for more than original costs) \$ N/A

Insurance based on a pilot with 200 hours logged helicopter time, including 40 PIC hours in an R44, with a good safety record and RHC Safety Course Certificate

Liability Insurance 2,560

Hull Insurance 7,075

FIXED COST PER YEAR \$ 9,635

**RESERVE FOR OVERHAUL**

2200 Hour Engine Overhaul (\$28,100 RHC exchange) \$ 12.77

2200 Hour Aircraft Overhaul Parts Kit (\$106,000) 48.18

(Includes new bearings, seals, belts, etc., and life-limited components with less than 2200 hours remaining.)

Labor (240 Manhours @ \$65 per hour) 7.09

RESERVE PER HOUR \$ 68.04

**DIRECT OPERATING COST**

Fuel @ \$4.25 per gallon and 14.0 gph for average use \$ 59.50

Oil .50

Periodic Inspections, Labor @ \$65 per hour 10.40

Unscheduled Maintenance, Parts and Labor @ \$65 per hour 7.00

DIRECT OPERATING COST PER HOUR \$ 77.40

**TOTAL OPERATING COST**

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 19.27

Overhaul Reserve Per Hour 68.04

Direct Cost per Flight Hour 77.40

TOTAL OPERATING COST PER HOUR \$ 164.71

**OPERATING COST-PER-ROAD MILE**

Assume one air mile (straight line path) equals 1.5 road miles, and assume an average cruise speed of 130 miles per hour with a cruise fuel consumption of 16 gph.

$$\$173.21 \div 130 \div 1.5 = 89 \text{ Cents per Road Mile}$$

This total operating cost-per-mile compares favorably with some expensive automobiles, and will usually be lower when the value of time saved is considered.

Note: The above estimates are approximate and will vary with type of use, maintenance, local conditions and prices. This information is for comparison only and not a guarantee of actual costs. Referenced prices are subject to change without notice. Transportation costs and local taxes are not included.