

***R44 Raven II***  
**ESTIMATED OPERATING COSTS**

Price of R44 Raven II with COM, GPS, and Transponder \$ 419,000

**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 8,480

FIXED COST PER YEAR \$ 11,040

**RESERVE FOR OVERHAUL**

2200 Hour Engine Overhaul (\$41,000 RHC exchange) \$ 18.64

2200 Hour Aircraft Overhaul Parts Kit (\$120,000) 54.55

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

Labor (240 Manhours @ \$70 per hour) 7.64

RESERVE PER HOUR \$ 80.83

**DIRECT OPERATING COST**

Fuel @ \$4.50 per gallon and 14.0 gph for average use \$ 63.00

Oil .50

Periodic Inspections, Labor @ \$70 per hour 11.20

Unscheduled Maintenance, Parts and Labor @ \$70 per hour 7.49

DIRECT OPERATING COST PER HOUR \$ 82.19

**TOTAL OPERATING COST**

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 22.08

Overhaul Reserve Per Hour 80.83

Direct Cost per Flight Hour 82.19

TOTAL OPERATING COST PER HOUR \$ 185.10

**OPERATING COST-PER-ROAD MILE**

Assume one air mile (straight line path) equals 1.5 road miles, and assume an average cruise speed of 132 miles per hour with a cruise fuel consumption of 16 gph.

$$\$194.10 \div 132 \div 1.5 = 98 \text{ Cents per Road Mile}$$

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.