

R44 Cadet Estimated Operating Costs

Price of R44 Cadet with optional Avidyne IFD410 GPS \$ 370,400

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 2,160

Hull Insurance 7,748

FIXED COST PER YEAR \$ 9,908

RESERVE FOR OVERHAUL

2400 Hour Engine Overhaul (\$43,000 RHC exchange) \$ 17.92

2400 Hour Aircraft Overhaul Parts Kit (\$141,000) 58.75

(Includes new bearings, seals, belts, etc., and life-limited components with less than 2400 hours remaining.)

Labor (240 Manhours @ \$110 per hour) 11.00

RESERVE PER HOUR \$ 87.67

DIRECT OPERATING COST

Fuel @ \$6.09 per gallon and 14.0 gph for average use \$ 85.26

Oil 1.16

Periodic Inspections, Labor @ \$110 per hour 19.80

Unscheduled Maintenance, Parts and Labor @ \$110 per hour 11.29

DIRECT OPERATING COST PER HOUR \$ 117.51

TOTAL OPERATING COST

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 19.82

Overhaul Reserve Per Hour 87.67

Direct Cost per Flight Hour 117.51

TOTAL OPERATING COST PER HOUR \$ 225.00

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.

$$\$237.18 \div 130 \div 1.5 = \$1.22 \text{ per Road Mile}$$

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.