

## ***R44 Raven I & R44 Clipper I*** ***Estimated Operating Costs***

Price of R44 Raven I with optional Garmin GTN 625 GPS \$ 407,000

### **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 8,292

FIXED COST PER YEAR \$ 10,852

### **RESERVE FOR OVERHAUL**

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

2200 Hour Aircraft Overhaul Parts Kit (\$137,000) 62.27

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

Labor (240 Manhours @ \$105 per hour) 11.45

RESERVE PER HOUR \$ 92.36

### **DIRECT OPERATING COST**

Fuel @ \$5.89 per gallon and 15.0 gph for average use \$ 88.35

Oil 1.14

Periodic Inspections, Labor @ \$105 per hour 18.90

Unscheduled Maintenance, Parts and Labor @ \$105 per hour 10.78

DIRECT OPERATING COST PER HOUR \$ 119.17

### **TOTAL OPERATING COST**

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 21.70

Overhaul Reserve Per Hour 92.36

Direct Cost per Flight Hour 119.17

TOTAL OPERATING COST PER HOUR \$ 233.23

### **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.

$$\$239.12 \div 130 \div 1.5 = \$1.23 \text{ per Road Mile}$$

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.