

# ***R44 Raven I • R44 Clipper I***

## **ESTIMATED OPERATING COSTS**

Price of R44 Raven I with optional Garmin 420W GPS/COM 1 \$ 360,300

### **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 7,603

FIXED COST PER YEAR \$ 10,163

### **RESERVE FOR OVERHAUL**

2200 Hour Engine Overhaul (\$32,000 RHC exchange) \$ 14.55

2200 Hour Aircraft Overhaul Parts Kit (\$121,000) 55.00

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

Labor (240 Manhours @ \$80 per hour) 8.73

RESERVE PER HOUR \$ 78.28

### **DIRECT OPERATING COST**

Fuel @ \$5.35 per gallon and 14.0 gph for average use \$ 74.90

Oil 1.06

Periodic Inspections, Labor @ \$80 per hour 12.80

Unscheduled Maintenance, Parts and Labor @ \$80 per hour 8.00

DIRECT OPERATING COST PER HOUR \$ 96.76

### **TOTAL OPERATING COST**

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 20.33

Overhaul Reserve Per Hour 78.28

Direct Cost per Flight Hour 96.76

TOTAL OPERATING COST PER HOUR \$ 195.37

### **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.

$$\$206.07 \div 130 \div 1.5 = \$1.06 \text{ per Road Mile}$$

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.