

## ***R44 Raven I & R44 Clipper I*** ***2017 Estimated Operating Costs***

Price of R44 Raven I with optional Garmin GTN 625 GPS \$ 397,700

### **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 8,142

FIXED COST PER YEAR \$ 10,702

### **RESERVE FOR OVERHAUL**

2200 Hour Engine Overhaul (\$39,000 RHC exchange) \$ 17.73

2200 Hour Aircraft Overhaul Parts Kit (\$134,000) 60.91

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

Labor (240 Manhours @ \$95 per hour) 10.36

RESERVE PER HOUR \$ 89.00

### **DIRECT OPERATING COST**

Fuel @ \$5.76 per gallon and 14.0 gph for average use \$ 80.64

Oil 1.10

Periodic Inspections, Labor @ \$95 per hour 17.10

Unscheduled Maintenance, Parts and Labor @ \$95 per hour 9.75

DIRECT OPERATING COST PER HOUR \$ 108.59

### **TOTAL OPERATING COST**

Fixed Cost per Flight Hour Based on 500 Hours per Year \$ 21.40

Overhaul Reserve Per Hour 89.00

Direct Cost per Flight Hour 108.59

TOTAL OPERATING COST PER HOUR \$ 218.99

### **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.

$$\$230.51 \div 130 \div 1.5 = \$1.18 \text{ per Road Mile}$$

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.