

# The Consultant Suite

By



Most people dislike rhetorical questions, therefore we don't ask. We already know that the actuarial software packages on the market today are very big, very expensive, and quite frankly too cumbersome for most actuarial consulting firms. Because of this, Hause Actuarial Solutions has designed the **Consultant Suite**.

Simply put, the **Consultant Suite** is a package of a select number of actuarial software modules from our **WATERR** Actuarial Suite. This suite has been carefully organized with the goal of providing a flexible, cost-effective actuarial software solution that will enable the practicing consulting actuary to efficiently perform tasks as routine as profit testing to those of a more complex nature like cash flow testing.

The lease price of the basic **Consultant Suite** is \$10,000 per year for five licenses, which equates to \$2,000 per license/user for firms with 5 actuaries. Because we know that each actuarial consulting firm is unique, we offer the add-on modules for only \$500 per license/user. The icing on the cake is that following 3 consecutive years of leasing the **Consultant Suite**, your firm receives a lifetime license for the suite, and would only spend \$4,000/yr on maintenance of the programs.

If you are paying more than \$10,000/year to lease actuarial software for the staff at your firm, then you should give us a call. Hause Actuarial Solutions, Inc. is confident that you will find that our modular approach to developing and delivering software solutions will exceed your firm's business objectives.

Taking advantage of this package is easy. Simply contact us at 877-685-0180, or send an email to [seand@hauseactuarial.com](mailto:seand@hauseactuarial.com), and let us know you are interested in the **Consultant Suite**. We will rush you an information package along with a demo of the modules for your review.

### **The Package:**

The basic **Consultant Suite** consists of the following software modules:

**Life Pricing**  
**Life Values 2001**  
**Universal Life Pricing**  
**Deferred Annuity Pricing**  
**Immediate Annuity Pricing**  
**Miscellaneous Pricing**  
**Company Modeling**

### **Optional Add-ons:**

The following modules are not part of the **Consultant Suite**, but can be added on:

**Health Values**  
**Health Pricing**

## **The Consultant Suite - (WATERR) Program Descriptions:**

### ***I. Value Series Programs:***

#### **Traditional life statutory values 2001 (Life Values 2001)**

Calculates reserves, cash values, ETI and RPU 1980 CSO and 2001 CSO bases. A number of print and file outputs are allowed, including output for updating administrative system factor files. Covers several policy types including completely general death benefits, gross premium ratios, and endowments; death benefit equal to face plus cash value or reserve, death benefit equal to greater of face or reserve; return of premium; substandard reserves; various reserve and cash value grading; multiple lives; and 1980 CSO graded select mortality. Reserve types: Net level, CRVM, graded CRVM, and full XXX capabilities.

#### **A&H Statutory Reserve Calculation (Health Values) - **Optional Module****

Reserves calculated on a mean, terminal, or mid-terminal basis for 0, 1, or 2 year FPT. Quite flexible for unit amount, gross premium ratio, and interest rate. Combines up to 18 benefits in one run. Output feeds A & H Pricing and Projections module.

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### ***II. Projection and Pricing Programs:***

This projection series produces values starting with any policy duration and going for up to 50 years. They allow all modes of premium, handle reinsurance, loans, stockholder dividends, and taxes (including "DAC" tax) as well as the usual values in a summary of operations (In either per

unit issues or at the beginning of the year form) and balance sheet projection on both GAAP and statutory basis. Pricing features include present values (in 3 possible forms) of all income and outgo values, return on investment calculation, return on equity, value added and either gain or loss by source, or calculation of a variety of profit objective premiums. Each program can produce tables for input to Modeling Programs.

### **Traditional Life Pricing and Projections (Life Pricing)**

Reserves and cash values can be manually input or produced by Life Values or Life GAAP. In addition to projections, it calculates all of the usual profit objective premiums (break even year, return on surplus, and percent of premium). Reserves can be mean or interpolated.

### **Universal Life Pricing and Projections (Universal Life Pricing)**

Generates its own values. Allows many policy designs, expenses and charges. Incorporates partial and total surrenders, all present values, and gain by source. Package includes premium and value generators. Creates output file for use with the UL GAAP factor generator.

### **Deferred Annuity Profit Test and Value Calculations (Deferred Annuity Pricing)**

Allows many forms of commissions, expenses, loads, and surrender charges. Permits portfolio or investment year interest crediting and earning. Package includes financial projections and produces values for up to 80 years with a choice of premium payment frequencies from monthly to annual. Incorporates death benefits and partial surrenders. Calculates cash value with analysis by credits and charges, CARVM reserves, profit analysis by source of gain. Permits separate deposit or rollover premiums.

### **Immediate Annuities, Supplemental Contracts and Structured Settlements (Immediate Annuity Pricing)**

Calculates values, performs profit tests and projections for immediate annuities, supplemental contracts or structured settlements. Incorporates single and joint lives, variable interest, any certain period or installment refund, variable payments and a variety of expenses and loads. Many annuity mortality table files are included. Supports annuity due and annuity immediate. Computes values, profit tests, and projections.

### **A&H Pricing and Projections (Health Pricing) - Optional Module**

Reserves can be manually input or produced by A&H Stat and A&H GAAP. Incorporates a maximum of 12 benefits. Calculates several profit objective premiums: given loss ratio, given percent of profit, given break-even year and others. Incorporates cash values: return of premium or long term care.

### **Miscellaneous Options and Coverages (Miscellaneous Pricing)**

Includes "interest only" supplementary contracts, dividend and coupon options, and ETI / RPU. Generates its own values.

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### ***III. Modeling Programs***

These programs cover most modeling needs. The Integrated Model or Liability Model uses files produced by the Projection and Pricing series to produce aggregate profit tests and financial projections. The Asset-Liability Model uses the same liability projection files to produce sophisticated financial and cash flow projections. Running either program for line(s) of business requires the appropriate pricing / projection program.

#### ***Company Modeling including cash flow testing, A/L matching, and dynamic solvency testing***

##### ***(Asset-Liability Model)***

The Asset-Liability Model (Company Model) is used to project total company results, including asset and liability cash flows in producing the output. Sophisticated and flexible interest rate options are available. Fixed interest rates may be used for appraisal runs. Interest scenarios are automatically generated, including the “New York Seven” and a user-specified number of random scenarios. If underlying cells need to be recalculated, the modeling programs perform the recalculation without requiring the user to rerun the various programs. An unlimited number of in-force asset and liability records are allowed. As with all of the WATERR programs, the interface is integrated with Microsoft capabilities to provide maximum user functionality.

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### ***IV. Database Utility Program***

The Database Utility (Table Manager) allows the user to view the list of tables currently saved in a particular Access™ database. It also allows the user to view the contents of a particular table and to delete a table that is no longer needed. Finally, the utility allows tables to be copied from one database to another database.