

EDUCATION AND EXAMINATION COMMITTEE
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SOCIETY OF ACTUARIES

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CFE 101 ENTERPRISE RISK MANAGEMENT

CASE STUDY

CFE 101 Case Study

Introduction and Recommendations

The case study is an integral part of the study material for the CFE 101 exam. Some exam questions will be based on the material provided in this document.

This case study presents information for the following companies:

- Caerus Consulting (a global risk management and advisory consulting firm) and its clients (including financial, automotive, energy, and other non-financial companies)
- Lyon Corporation (a financial services holding company)
- Simple Life Insurance Company (SLIC)
- AHA Health (a health insurance company)
- Pryde P&C (a general insurance company)
- Helios (a non-U.S. insurance company)
- Various other companies that are potential partners or acquisition candidates

Candidates are responsible for reviewing all of the material in the case study.

You are encouraged to read this case study in conjunction with the recommended study materials. This will help you become familiar with the information that is provided in this case study and assist you in putting syllabus readings in context. The case study should be read critically, with the understanding that it is meant to depict hypothetical organizations with some good policies and some flaws; it is not a representation of best practices.

It is important that you become familiar with the information presented in the case study as it may pertain to the questions you will attempt in the assessment. Candidates are expected to think about ERM holistically and how the issues raised in the assessment case study questions will affect the ERM processes of the organization as a whole.

An electronic copy of this case study will be provided to you at the assessment. You will not be allowed to bring your copy of this case study into the exam room.

Following are a list of Excel functions that may be useful to know and a table of contents to assist you in locating information within the case study.

List of Excel Functions That May Be Useful on CFE Assessments

Below, find a list of Excel functions that may be useful when taking the CFE 101 and CFE 201 assessments. Questions for these assessments have been developed assuming that candidates are familiar with these Excel functions. Candidates may also use other functions. Many times, Excel offers multiple functions and tools that can be used to perform the same task.

In the descriptions below, an array is one-dimensional, while a range can be two-dimensional (multiple rows and columns). Logical values are either True or False. Some Excel functions require that the arrays be in the same direction (SUMPRODUCT), but most do not. Other function inputs are variables. Some variables have limitations (a value between 0 and 1); others do not.

This document will be available to candidates when taking the assessments, as part of the case study document. An Excel file, accessible on the course home page, provides examples of most of the functions below. The Excel file will not be available to candidates during the exam.

AVERAGE(range1, [range2], ...) – returns the arithmetic mean of the cells in a range (ignores blank cells)

range1 is the first range, cell reference, or number for which you want in the average
range2, ... are additional ranges, cell references, or numbers for which you want to include in the average

BINOM.DIST(number_s, trials, probability_s, cumulative_logical_value) – returns the individual term binomial distribution probability when there are a fixed number of tests or trials, when the outcomes of any trial are only success or failure, when trials are independent, and when the probability of success is constant throughout the experiment

number_s is the number of successes

trials is the number of trials

probability_s is the probability of success for each trial

cumulative_logical_value is the logical value that determines the form of the function. If TRUE, the cumulative distribution function is returned, which is the probability that there are at most number_s successes; if FALSE, the probability mass function is returned, which is the probability that there are number_s successes

BINOM.INV(trials, probability_s, alpha) – returns the smallest value for which the cumulative binomial distribution is greater than the criterion value (or the number of successful trials for a cumulative binomial distribution based on a criterion value)

trials is the number of trials

probability_s is the probability of success for each trial

alpha is a criterion value from 0 to 1 that determines the number of successful trials

CORREL(array1, array2) – returns the correlation coefficient of two data sets

array1 is an array of cell values

array2 is a second array of cell values

COUNTIF(range1, criteria) – returns the number of cells in a given range that meet the criteria

range1 is a range of cells that could include values or formula results

criteria is the criteria to be met such as ">0" or "=15"

COVARIANCE.P(array1, array2) – returns the population covariance, the average of the products of deviations for each data point pair in two data sets (for a complete population, uses N in the denominator)

array1 is the first array of cell values

array2 is the second array of cell values

COVARIANCE.S(array1, array2) – returns the sample covariance, the average of the products of deviations for each data point pair in two data sets (for a sample, uses N-1 in the denominator)

array1 is the first array of cell values

array2 is the second array of cell values

LOGNORM.DIST (x, mean, standard_dev, cumulative_logical_value) – returns the lognormal distribution of x where $\ln(x)$ is normally distributed with the specified mean and standard deviation.

x is the value for which you want the distribution

mean is the arithmetic mean of the distribution (the mean of $\ln(x)$)

standard_dev is the standard deviation of the distribution (the standard deviation of $\ln(x)$)

cumulative_logical_value is the logical value that determines the form of the function.

If TRUE, the cumulative distribution function is returned; if FALSE, the probability density function is returned

LOGNORM.INV(probability, mean, standard_dev) – returns the inverse of the lognormal cumulative distribution for the specified mean and standard deviation of $\ln(x)$

probability is a probability corresponding to the lognormal distribution (a number between zero and one inclusive)

mean is the arithmetic mean of the distribution (the mean of $\ln(x)$)

standard_dev is the standard deviation of the distribution (the standard deviation of $\ln(x)$)

MMULT(range1, range2) – returns the matrix product of arrays into a range with the same number of rows as range1 and the same number of columns as range2

range1 and **range2** contain the arrays to be multiplied. The number of columns in range1 must be the same as the number of rows in range2, and both ranges must contain only numbers. As an example, if both ranges are 2x2, the top left cell in the output will equal the sumproduct of the array in the top row in the first range and the array in the left column of the second range. To produce the output, the range of the output table must be highlighted, then the formula entered, and then ctrl/shift/enter hit

NORM.DIST(x, mean, standard_dev, cumulative_logical_value) – returns the normal distribution for the specified mean and standard deviation

x is the value for which you want the distribution

mean is the arithmetic mean of the distribution

standard_dev is the standard deviation of the distribution

cumulative_logical_value is the logical value that determines the form of the function.

If TRUE, the cumulative distribution function is returned; if FALSE, the probability density function is returned

NORM.INV(probability, mean, standard_dev) – returns the inverse of the normal cumulative distribution for the specified mean and standard deviation

probability is a probability corresponding to the normal distribution (a number between zero and one inclusive)

mean is the arithmetic mean of the distribution

standard_dev is the standard deviation of the distribution

NORM.S.DIST(z, cumulative_logical_value) – returns the standard normal distribution (has a mean of zero and a standard deviation of one)

z is the value for which you want the distribution.

cumulative_logical_value is the logical value that determines the form of the function.

If TRUE, the cumulative distribution function is returned; if FALSE, the probability mass function is returned

NORM.S.INV(probability) – returns the inverse of the standard normal cumulative distribution (has a mean of zero and a standard deviation of one)

probability is a probability corresponding to the normal distribution (a number between zero and one inclusive).

PERCENTILE.INC(range, k) – returns the k^{th} percentile of the values in a range, interpolating if necessary.

range is the array or range of data from which the percentile should be found; the data does not need to be sorted

k is the percentile value in the range 0 to 1 inclusive. 0 returns the lowest value; 1 returns the highest value.

RANK(number, range, [order]) – returns the rank of a number in a list of numbers.

number is the number whose rank you want to find

range is the range that includes the list of numbers from which to find the rank of the number

order (optional) is ascending when the value is 1 and descending when the value is 0

SMALL(array, k) – returns the k^{th} smallest value in a data set.

array is an array or a range of numerical data for which you want to determine the k^{th} smallest value.

k is the position (from the smallest) in the array or range of data to return.

SQRT(number) – returns a positive square root

number is the number for which a square root is desired.

STDEV.P(range1, [range2], ...) – calculates standard deviation based on the entire population given as arguments (ignores logical values and text; uses N in the denominator)

range1 is the first range, cell reference, or number corresponding to the population for which you want the standard deviation

range2, ... are additional ranges, cell references, or numbers corresponding to the population for which you want to include in the standard deviation

STDEV.S(range1, [range2], ...) – estimates standard deviation based on a sample (ignores logical values and text in the sample; uses N-1 in the denominator)

range1 – is the first range, cell reference, or number corresponding to the population for which you want the standard deviation

range2, ... are additional ranges, cell references, or numbers corresponding to the population for which you want to include in the standard deviation

SUM(range1, [range2]) – adds all the numbers in a range of cells

range1 is the first range, cell reference, or number for which you want to include in the sum

range2, ... are the additional ranges, cell references, or numbers for which you want to include in the sum

SUMPRODUCT(array1, [array2], [array3], ...) – returns the sum of the products of corresponding arrays

arrays1, array2, array3,... are 2 to 255 arrays which the user wants to multiply and then add components. All arrays must have the same dimensions, vertical or horizontal

TRANSPOSE(array) – converts a vertical range of cells to a horizontal range, or vice versa

array is a range of cells on a worksheet or an array of value that the user wants to transpose (for example, to use in the SUMPRODUCT function). When using the TRANSPOSE function in another function, the formula must be entered and then ctrl/shift/enter hit. When using the TRANSPOSE function to produce output, the range of the output table must be highlighted, then the formula entered, and then ctrl/shift/enter hit

VLOOKUP(lookup value, table_range, column_index_number, logical_value) – looks for a value in the leftmost column of a table and then returns a value in the same row from a column specified by the user

lookup_value is the value to be found in the first column of the table. It can be a value, a reference, or a text string

table_range is a table of text, numbers, or logical values in which data is retrieved. It can be a reference to a range or a range name

column_index_number is the column number in table_range from which the matching value should be returned

logical_value is a logical value to find the next lowest match in the first column (must be sorted in ascending order) when equal to TRUE or omitted; or an exact match when equal to FALSE

List of Other Excel Tools (Besides Functions) That May Be Useful on CFE Assessments

GOAL SEEK – used when a user knows the desired result from a formula but is not sure what input value the formula needs to get that result. The steps to use Goal Seek are as follows:

1. Select the cell that contains the output you want to change.
2. On the Data tab, select What-If Analysis.
3. Select Goal Seek.
4. In the “Set cell” box, enter the reference for the cell that contains the formula you want to resolve.
5. In the “To value” box, type the formula result you want.
6. In the “By changing cell” section, select the reference for the cell that contains the value that you want to change.
7. Click “OK”. Goal Seek runs and produces a result.

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1 Caerus Consulting

1.1 Overview

Caerus Consulting is a global risk management and advisory company with headquarters in Boston, MA (USA). Caerus has offices worldwide including Madrid (Spain), Singapore, and Shanghai (China). The firm has been in business since 1950, starting out as an automotive industry consultant. In 1976 Caerus expanded into the energy industry and then continued expanding into other markets beginning in 2000. A summary of the company and its clients as of 2026 follows.

1.2 Mission Statement

Caerus Consulting is committed to helping clients turn risk into opportunity. We develop and help implement solutions for:

- Managing risk
- Expansion and growth
- Strengthening core markets

Caerus Consulting believes in an innovative work environment that values creativity, diversity and mutual respect.

1.3 Services

- Strategic and Corporate Risk
 - Mergers and Acquisitions
 - New Market Explorations and Investments
- Insurance and Investment Risk
 - Insurance Regulatory Requirements
 - NAIC (U.S. Solvency): ORSA, RBC, etc.
 - MCCR (Canadian Solvency)
 - Solvency II
 - Reinsurance
- Accounting Advisory Services
 - Provide guidance on current IFRS, U.S. GAAP, and other global accounting regulations.

1.4 Industries

- Automotive

Caerus has significant experience in this industry, providing consulting to over 20 companies. The firm faced considerable scrutiny ten years ago as it was the advisor to U.S.-based Alpha Automotive at the time that Alpha went into bankruptcy.

- Energy and Power

Caerus began consulting with global energy companies shortly after the energy crisis of the 1970s. The original consulting focus was on helping energy companies cope with volatile oil

prices, complex government regulations, and global competition, but lately Caerus has been asked to consult more on the impact of climate change.

- Insurance

In 2007 Caerus Consulting merged with an existing insurance consultant in order to expand into this market. The insurance consultant had been in business for over 50 years and had 200 employees, located in offices in Europe and the U.S. This branch is currently doing very well, providing guidance for all lines of insurance on financial, strategic, operational, human capital, and data management issues. Caerus is beginning to offer consulting services on the use of robotics and AI for insurance.

- Banking

Caerus expanded into the banking industry five years ago. The firm is relying on its insurance industry expertise and a few specialized banking consultants to keep this group going. Caerus has had success with some smaller banks in Africa and the U.S. and has recently begun working with a mid-sized European bank.

- Tourism

This is a new industry for Caerus. The expansion to this field was driven by one of the newest board members who felt it would increase the diversity of the company. Consultants whose primary focus has been the automotive industry were asked to work with three new consultants with hotel and tourism experience.

1.5 Financial Engagement – Big Ben Bank

Caerus has analyzed the banking industry and considers its primary risks to be the following:

Banking Industry Key Risks

Strategic/Business Risks

- Significant competition in the rapidly evolving global financial services industry
- Reputational risk for banks
- Not adapting to changing customer expectations

Profitability and Liquidity Risks

- Risks relating to models and assumptions
- Credit risk
- Liquidity risk
- Risk of adverse changes in market risk factors
- Contagion risk that a problem in one financial institution will spread to other otherwise healthy institutions

Operational Risk

- Operational risk resulting from inadequate or failed internal processes and systems

Compliance

- Regulatory capital risk due to increased stringency of banking regulations
- Fraud or conduct risks due to detrimental practices

Technology

- Competition and disruption emerging from new financial technology firms which develop new services and products based on innovative technologies including cloud, big data analytics, internet of things, and digital payments processes
- Cyber-security breaches, which are becoming more efficient with the use of AI.

Company Overview

Big Ben Bank is a mid-sized, full-service bank domiciled in Luxembourg that operates primarily in European financial centers.

Products / Services

Commercial Banking

Traditional commercial banking is the largest component of Big Ben's business. The Commercial Banking division's clients are individuals (retail banking) and small businesses. Products offered are checking account services; business, personal, and mortgage loans; and basic financial products such as certificates of deposit (CDs) and savings accounts. The operational model of

the commercial banking division is primarily online, rather than through physical branches. This approach was meant to meet the needs of a globally mobile clientele. The physical distribution model is almost non-existent and cannot support broad-based banking.

Big Ben's Private Banking group provides a suite of services to high-net-worth individuals designed to grow wealth. In addition to the traditional commercial banking services, Big Ben provides custom-designed investment, tax, and estate planning solutions. The Private Banking group makes use of Big Ben's Asset Management products as part of its financial planning services.

Investment Banking

Big Ben's Investment Banking division is core to its business. The division provides services related to the creation of capital for companies, governments, and other entities. Big Ben underwrites new debt and equity securities, aids in the sale of securities, facilitates mergers and acquisitions, and provides guidance to issuers regarding the issue and placement of stock.

Asset Management

Big Ben's Asset Management division is its smallest, but it aspires to grow to be world leader in the exchange-traded fund (ETF) market. It has a small but loyal investor base. Big Ben's asset management products cover a comprehensive list of asset classes including equities, fixed income, real estate, private equity, and sustainable investments. In addition to ETFs, Big Ben offers mutual funds and separately managed accounts.

Advisory teams manage client relationships, provide advice, and enable clients to access Big Ben's asset management products and services. Big Ben also markets its offerings through its Commercial Banking division.

Strategy

Big Ben's strategic plans include expansion of the Investment Banking and Asset Management businesses over the next year. Future plans include an expansion of the Commercial Banking business in the next three to five years.

Big Ben's strategy also includes an expansion of its client base. It will be a priority to lower the minimum investable assets requirement for participation in the services that had been traditionally offered exclusively to the bank's high-net-worth customers. The bank will also offer more holistic wealth management and financial planning services. Big Ben's excess economic capital will be deployed to fund the expansion.

Big Ben's executives want to increase focus on the financial planning sales approach and to formulate a one-stop shopping interface to its globally mobile clientele. Big Ben believes that its expertise in emerging technologies will facilitate the execution of this strategy.

Risk Management

Risk Management Principles

Big Ben's business inherently involves taking risks. Big Ben's objective is to create long-term value while considering the interests of shareholders, employees and other stakeholders. The risk management framework contributes to the business objectives by aligning actual risk taking with the bank's risk appetite as stated in the risk appetite statement.

Big Ben's risk management framework includes the following principles and standards:

- The organization follows the Three Lines of Defense model with all roles and responsibilities clearly defined.
- Management expects every employee to act as a risk manager consistent with the bank's risk appetite.
- Risks must be identified and assessed.
- Risks must be managed with appropriate risk mitigation and internal controls.
- Risks must be accurately measured and reported.
- Stress tests of adverse scenarios must be performed regularly.

Big Ben is committed to maintaining a strong capital base to support the risks associated with its businesses. Strength in capital management contributes to safety for Big Ben's customers, fosters investor confidence, and supports high credit ratings, while allowing the bank to take advantage of growth opportunities as they arise and to enhance shareholder returns through increased dividends and share repurchases.

Big Ben's capital management framework includes a comprehensive Internal Capital Adequacy Assessment Process (ICAAP), aimed at ensuring that the bank's capital is adequate to meet current and future risks and to achieve its strategic objectives. Key components of the bank's ICAAP include sound corporate governance; creating a comprehensive risk appetite of the bank; managing and monitoring capital, both currently and prospectively; and utilizing appropriate financial metrics which relate risk to capital, including economic and regulatory capital measures.

The following are the core principles that govern the Capital Management of the bank:

- Manage capital within the framework set by the regulators, monitor capital based on planned changes in the bank's strategy, and identify changes in its operating environment or changes in its risk profile.
- Ensure appropriate governance and oversight, including clear delineation of roles and responsibilities.
- Establish a capital management framework that focuses on the interrelationship of risk appetite, risk profile, and capital capacity.
- Implement a sound risk management process that ensures management identifies and stress tests all material risks, understands the nature and level of risk taken by the bank and how this risk relates to capital adequacy.
- Ensure a robust capital adequacy assessment process that is supported by appropriate governance, oversight and internal control review.

- Ensure adequate systems, resources, processes and controls are in place to support the planning, forecasting, monitoring and reporting of capital both internally to Executive Management and the Board of Directors and externally to the regulators.

Big Ben recognizes that liquidity risk is significant for banks. It regularly monitors the contractual maturities of its assets and liabilities (See Exhibit B). Big Ben uses stress testing and scenario analysis to assess the impact of sudden and severe stress events on its short-term liquidity position. The scenarios include market-wide events and Big Ben credit downgrades. The tests cover potential funding requirements such as outflows from deposits and increased collateral requirements for derivatives. Big Ben has a Liquidity Crisis Funding Plan which outlines how Big Ben would respond to a liquidity stress event. This plan is currently being reviewed by the ERM department..

As part of Big Ben's asset liability management (ALM) process, the durations of the asset and liability portfolios are monitored, and the duration mismatch is not allowed to exceed a specified tolerance. The Board recently voted to establish an Asset Liability Management Committee (ALMCo) to oversee interest rate risk. The Chair of the ALMCo will be a recently hired senior manager from the insurance industry with significant asset liability management experience. The first job of the ALMCo will be to draft an ALM policy statement for approval by the Board. A key metric will be to calculate the sensitivity of assets and liabilities to changes in interest rates. The Board wants to be able to withstand a 200 bp parallel shift in the yield curve.

Big Ben uses various models to manage risks and to provide insight into decision making. The most important ones are as follows:

- A model to capture the correlation between mortgage prepayment rates and interest rates using statistical best fit techniques
- A credit risk model for credit decisions and capital calculations which estimates the probability and cost of customer loan default.
- An economic capital model based on VaR to determine the amount of required economic capital

Risk Appetite Statement

- **Credit risk:** Moderate appetite
- **Operational risk:** Low appetite
- **Liquidity risk:** Low appetite
- **Compliance risk:** Zero tolerance
- **Reputational risk:** Very low appetite

Economic Capital

Big Ben uses internal models to determine its required economic capital based on VaR. The quantile used for the VaR calculation is 99.5% over a one-year horizon. The business is modeled as a going concern, and the model has four components: credit risk, market risk, operational risk, and business risk.

Credit risk is estimated assuming there is common dependence of borrowers on systematic risk factors, such as country, region, or industry. These risk factors are assumed to fluctuate over time and follow a joint normal distribution. All borrowers are linked to these underlying systematic risk factors to varying degrees and the factors are assumed to move in a correlated way. Results are derived from loss distributions generated using Monte Carlo simulations.

Market risk includes interest rate risk, currency risk and equity market risk. These risks are measured using stochastic simulation. Big Ben's mortgage pre-payment risk model is utilized as part of the economic capital model. Assumptions about customer retention and repricing of interest crediting rates for deposits are also important behavioral assumptions used in the model.

Operational risk is measured through a simple add-on model which estimates the impacts of individual operational risks and aggregates them using simple correlation assumptions. Big Ben has considered more sophisticated modeling but has found it difficult to identify a single loss distribution function because operational risk loss data is distributed in two different manners: (i) loss data with high frequency and low magnitude that composes the body of the distribution; and (ii) loss data with low frequency and high magnitude that composes the tail distribution.

Strategic/Business Risk is the probability of loss related to the organization's environment (such as competition, overall economic climate, and government regulation) and sub-optimal business decisions in response to that environment. Big Ben uses scenario analysis to quantify economic capital for business risk.

The diversification benefit is measured using a variance-covariance matrix. This has the benefit of being relatively simple and intuitive, but the correlations are difficult to obtain. As a result, the correlations are updated infrequently. Big Ben has considered other methods of measuring the diversification benefit such as combining the marginal distributions through copula functions.

The economic capital is calculated in aggregate for the company by a team in the Corporate Treasury department. The results are updated quarterly. Allocation of economic capital to the business divisions is done based on simple rules of thumb and is done only upon request. Big Ben is considering engaging Caerus to review this allocation method. Business unit standalone economic capital was recently calculated in preparation for this review. (See Exhibit C) Since EC is reported externally, the EC models are inventoried in the model governance system and subject to formal validation. However, validation of these component models is not scheduled until next year due to the backlog of other validations. As such, the developers are still in the process of completing the model documentation, including the implementation and change management testing, where applicable.

Capital adequacy is assessed as the ratio of the total available economic capital to the total required economic capital. Big Ben requires that each line of business maintain an Internal Capital Adequacy Ratio of 140%.

Capital Adequacy Analysis			
<i>in millions of euros</i>	Dec 31, 2025	Dec 31, 2024	Dec 31, 2023
Economic capital requirement			
Credit risk	338	321	319
Market risk	234	225	172
Operational risk	126	124	126
Strategic risk	52	51	50
Diversification benefit	(95)	(91)	(102)
Total required economic capital	655	629	565
Total available economic capital	1,301	1,287	1,351
Internal capital adequacy ratio	199 %	205 %	239 %

Big Ben Bank Exhibits

Exhibit A - Financial Statement

2025 Annual Report – Big Ben Consolidated Statement of Income

<i>in millions of euros</i>	2025	2024	2023
Interest income	1,334	1,191	657
Interest expense	981	824	288
Net interest income	353	368	369
Provision for credit losses	49	41	33
Net interest income after provision for credit losses	304	327	336
Commissions and fee income	280	249	266
Net gains (losses) on financial assets/liabilities at fair value through profit or loss	162	134	81
Net gains (losses) on financial assets available for sale	1	(3)	(6)
Net income (loss) from equity method investments	0	(1)	4
Other income (loss)	17	34	21
Total noninterest income	460	413	366
Compensation and benefits	317	301	290
General and administrative expenses	304	273	263
Impairment of goodwill and other intangible assets	0	6	2
Restructuring activities	(0)	6	(3)
Total noninterest expenses	621	586	551
Income (loss) before income taxes	143	153	151
Income tax expense	48	21	(2)
Net income (loss)	95	132	153

2025 Annual Report – Big Ben
Consolidated Balance Sheet

<i>in millions of euros</i>	Dec 31,2025	Dec 31,2024	Dec 31,2023
Assets:			
Cash and central bank balances	3,986	4,822	4,835
Interbank balances (w/o central banks)	166	166	194
Central bank funds sold and securities purchased under resale agreements	1,103	398	310
Securities borrowed	1	1	(0)
Financial assets at fair value through profit or loss			
Trading assets	3,778	3,386	2,510
Positive market values from derivative financial instruments	7,885	6,807	8,100
Financial assets designated at fair value through profit or loss	<u>3,090</u>	<u>2,382</u>	<u>2,428</u>
Total financial assets at fair value through profit or loss	14,753	12,574	13,037
Financial assets available for sale	1,138	961	856
Equity method investments	28	27	30
Loans	12,944	12,803	13,073
Property and equipment	167	167	165
Goodwill and other intangible assets	209	198	192
Other assets	2,735	3,100	3,197
Assets for current tax	49	41	43
Deferred tax assets	212	210	197
Total assets	37,491	35,468	36,129
Liabilities and equity:			
Deposits	18,007	16,812	16,796
Central bank funds purchased and securities sold under repurchase agreements	101	82	15
Securities loaned	0	0	0
Financial liabilities at fair value through profit or loss			
Trading liabilities	1,176	1,189	1,368
Negative market values from derivative financial instruments	7,470	6,439	7,631
Financial liabilities designated at fair value through profit or loss	2,488	2,263	1,477
Investment contract liabilities	<u>12</u>	<u>13</u>	<u>13</u>
Total financial liabilities at fair value through profit or loss	11,146	9,905	10,488
Other short-term borrowings	267	260	138
Other liabilities	2,585	3,055	3,073
Provisions	90	66	66
Liabilities for current tax	19	17	10
Deferred tax liabilities	16	15	18
Long-term debt	3,105	3,227	3,555
Trust preferred securities	8	8	14
Total liabilities	35,344	33,446	34,175
Common shares, valued at nominal value per share	0	0	0
Additional equity components	312	232	232
Total liabilities and equity	37,491	35,468	36,129

Big Ben Bank Exhibit B

Maturity of Assets and Liabilities

Analysis of the Earliest Contractual Maturity of Assets								
	Dec 31, 2025							
<i>in millions of euros</i>	On demand (incl. Overnight and one day notice)	Up to one month	Over 1 month to no more than 6 months	Over 6 months but no more than 1 year	Over 1 year but no more than 2 years	Over 2 years but no more than 5 years	Over 5 years	Total
Cash and central bank balances	3,615	282	88	2	0	0	0	3,986
Interbank balances (w/o central banks)	124	33	7	2	0	0	0	167
Securities borrowed	0	1	0	0	0	0	0	1
Trading assets	3,722	0	0	55	0	0	1	3,778
Positive market values from derivative financial instruments	7,885	0	0	0	0	0	0	7,885
Financial assets designated at fair value through profit or loss	525	1,944	352	76	57	43	93	3,090
Financial assets available for sale	0	101	124	60	115	194	543	1,138
Loans to banks	6	56	57	29	3	23	52	226
Loans to customers	375	884	1,216	787	1,116	2,939	5,400	12,717
Other financial assets	1,625	325	708	182	206	218	356	3,620
Total financial assets	17,877	3,627	2,551	1,192	1,498	3,417	6,445	36,608
Other assets	245	7	124	133	7	34	333	883
Total assets	18,123	3,634	2,675	1,325	1,505	3,451	6,778	37,491

Analysis of the Earliest Contractual Maturity of Liabilities								
	Dec 31, 2025							
<i>in millions of euros</i>	On demand (incl. Overnight and one day notice)	Up to one month	Over 1 month to no more than 6 months	Over 6 months but no more than 1 year	Over 1 year but no more than 2 years	Over 2 years but no more than 5 years	Over 5 years	Total
Deposits due to banks	1,443	47	584	204	52	81	236	2,646
Deposits due to retail customers	3,663	445	2,139	418	38	13	1	6,716
Deposits due to corporate customers	4,997	1,241	1,683	460	170	56	37	8,644
Trading securities	1,176	0	0	0	0	0	0	1,176
Negative market values from derivative financial instruments	7,470	0	0	0	0	0	0	7,470
Financial liabilities designed at fair value through profit or loss	874	658	418	23	89	271	154	2,487
Short term borrowings	77	92	146	26	19	8	1	369
Long-term debt	0	40	277	241	501	1,139	908	3,105
Other financial liabilities	1,967	24	76	30	54	37	70	2,258
Total financial liabilities	21,667	2,545	5,323	1,402	924	1,604	1,406	34,872
Other liabilities	472	-1	0	0	0	0	0	471
Total liabilities	22,139	2,544	5,323	1,402	924	1,604	1,406	35,342

Big Ben Bank Exhibit C

Selected Economic Capital Model Results

I. Worst 15 of 1000 scenarios from the credit risk model from March 31, 2026:

Scenario rank	Credit risk scenario #	Credit risk scenario required capital
986	141	329
987	321	331
988	173	333
989	812	335
990	795	338
991	272	340
992	484	340
993	926	341
994	401	342
995	212	343
996	454	344
997	84	346
998	811	348
999	261	350
1000	142	353

II. Worst 15 of 1000 scenarios from the market risk model from March 31, 2026:

Scenario rank	Market risk scenario #	Market risk scenario required capital
986	693	117
987	183	118
988	954	119
989	221	119
990	11	120
991	466	146
992	358	165
993	407	181
994	813	209
995	550	228
996	27	232
997	235	482
998	642	629
999	185	686
1000	63	755

III. Allocation of December 31, 2025 economic capital requirement to business divisions:

<i>in millions of euros</i>	Commercial Banking	Investment Banking	Asset Management	Total
Economic capital requirement				
Credit risk	186	120	31	338
Market risk	129	83	22	234
Operational risk	69	45	12	126
Business risk	29	19	5	52
Diversification benefit	(53)	(34)	(9)	(95)
Total required economic capital	361	233	61	655
Available economic capital	717	463	121	1,301

Economic capital is allocated to business unit proportionally based on net revenues. Because Corporate & Other does not generate any net revenues, it is allocated zero economic capital.

Standalone required economic capital for each business unit before cross business diversification:

Standalone Economic Capital by Business Unit					
<i>in millions of euros</i>	Commercial Banking	Investment Banking	Asset Management	Corporate & Other	Total
Economic capital requirement					
Credit risk	152	122	1	63	338
Market risk	70	56	8	99	234
Operational risk	55	32	10	29	126
Strategic risk	0	0	0	52	52
Diversification benefit	(41)	(27)	(5)	(22)	(95)
Total required economic capital	236	183	14	222	655

Corporate & Other includes revenues and costs that are held centrally and not allocated to the individual businesses. Corporate & Other economic capital includes the cross business unit diversification.

Big Ben has provided an internal memo with respect to its modeling processes, for Caerus' review.

To: Jennifer Oakhurst, Deputy CFO, Big Ben

From: Martin Willow, Financial Analyst, Big Ben

Subject: Model Governance

Date: April 12, 2026

Just wanted to give you a status update on the Model Governance framework project. Overall, the implementation is going well.

One of the first things we did was to decide upon the definition of a model, and then determined which models would be subject to the formal model validation aspects of the framework. Models that are excluded from model validation would still be subject to inventorying, documentation and change management controls.

We are defining models to include anything that forecasts values using judgment, approximations or assumptions. However, to be cost effective, we're only going to consider for validation models that are used for financial reporting purposes since these pose the most risk.

As alluded to above, we will create an inventorying system for both the models subject to model validation and those that aren't. For the ones that are subject to model validation, the model user(s) will rank each model as High, Medium or Low risk. The High-risk models will be validated on a strict 3-year rotation schedule through a centralized Model Validation group.

Models that are not subject to validation will still need to be reviewed by an independent analyst (i.e., somebody who was not the developer) who is familiar with the model's topic and purpose. This review will be qualitative in nature, with no formal report required, but the reviewer will have to sign off to ensure accountability.

Model documentation requirements include:

- Model purpose
- Significant model output and intended users
- Model methodology with extended commentary if the methodology is in any way considered unorthodox
- A summary of significant assumptions and their bases
- A summary of model testing
 - At implementation and at model revision
 - Ongoing testing
 - Validation testing, if applicable
- A summary of model controls and why they are considered effective and sufficient

Minimal requirements for input and calculation testing by the model developer are static and dynamic validation, respectively. This testing is performed upon model implementation, as well

as expected for model change management purposes for material changes (see below). There is no formal testing requirement for output testing, but it is expected that developers will compare current model results to previous model results and qualitatively assess the movement in light of changes to inputs, assumptions or external environment.

We also will be formalizing change management requirements. The model developer will determine if a change is deemed material, and if so, will require a colleague to review both the coding change and model output for unintended consequences. Immaterial changes require the developer to self assess the change for accuracy. While no formal documentation is required, a change log is kept with applicable review signoffs.

The formal model validation exercise will require a report with a pass or fail grade, regardless of the findings. If the model fails, a remediation plan will need to be developed by the developer and executed in a timely manner. Since a model can have many attributes that require assessment, determining pass or fail will necessarily have to be judgmental. While the developer of a passing model is expected to implement suggested remediations, this is not a requirement since the model was deemed fit for purpose by the very definition of “passing”.

Every quarter, the Model Validation group will prepare a summary for executive leadership illustrating the total number of inventoried models, their passing status and the number of models reviewed during the period with their validation results.

Sincerely,

Martin Willow
Financial Analyst, Big Ben Bank

1.6 Non-Financial Engagement – Giant Auto Motors

Caerus' automotive consultants have prepared the following summary of the key industry risks facing Giant Auto Motors (GAM).

Industry Placement and Competitive Environment

GAM is one of a few large “legacy” manufacturers dominating the automotive marketplace that currently focus on Petroleum Combustion Vehicles (**PCVs**) – i.e., gasoline, diesel, and hybrid gasoline/battery vehicles. Several years ago, one quickly growing company began offering Battery Electric Vehicles (**BEVs**) only. While many industry experts were convinced the legacy automakers would quickly put this BEV company out of business, that has not happened. Instead, it became the largest automaker by market capitalization.

There have been significant entry barriers to the automotive industry for PCV manufacturers, which protects the legacy manufacturers:

- Heavy capital commitments for physical plant and research & development
- Specialized expertise in engines and transmissions, varying by market segment
- Long lead times from design to production
- Ability to anticipate consumer buying preferences

BEV manufacturers have similar entry barriers; however, the BEV cars are simpler to build, requiring only 20% of the number of parts as a conventional PCV. BEV automakers have also invested heavily in automation. Combined with the reduction in the number of parts, they can produce a car three times faster than legacy auto manufacturers.

As petroleum scarcity/price volatility, climate change concerns, tax incentives and enhanced charging infrastructures move customers to BEVs, the product mix between PCV and BEV vehicles may shift dramatically. For traditional PCV manufacturers, there is pressure to enter the BEV market.

Industry Key Risks Affecting GAM

Strategic Risks

- Obsolescence: Companies that choose not to enter the BEV market may find their vehicles becoming obsolete and their current business model unsustainable.
- Production workforce: Legacy automakers such as GAM use mostly unionized labor to assemble PCVs. Increased automation and the greatly reduced number of parts in BEVs will shrink the factory headcount needs significantly.
- Supply chain: GAM sources parts from around the world from third party companies. Disruptions, such as the pandemic and geo-political turmoil, can lead to shipping backlogs or factories running far below capacity and demand greatly exceeding supply.
- Critical competencies: Engines and transmissions are the critical competencies of PCVs. For those auto manufacturers switching to, or adding, a BEV product line, batteries and software development become the critical competencies.
- AI Application: GAM has used AI technology to improve production efficiency, safety and maintenance detection for PCV's. There is always room for additional improvements. To be

the leader in the PCV industry, GAM must determine how much to spend on AI and which areas should be the focus.

- Geo-Political uncertainty: In addition to the potential impact to supply chain, any political uncertainty between US and China and local labor regulatory changes pose additional risks to sales and production lines.

Profitability Risks

- GAM has three primary profit drivers – manufacturing profit, sales commissions and mark-ups, and dealer services. Currently, GAM's dealers make more on maintenance than on car sales. Some BEV competitors have eliminated commissions and dealer mark-ups.
- Due to having significantly fewer parts, BEVs are significantly cheaper to maintain than PCVs. Battery recharging costs are significantly lower than gas/diesel costs. Ultimately, the total cost of ownership (purchase price + fuel + maintenance – resale value) for BEVs will likely be comparable to that of PCVs.
- As BEVs increase in popularity, trade-in values of PCVs will plummet. This has already been observed in the luxury performance car market.

Compliance/Regulatory Risk

- Regulations restrict the level of automotive emissions and require onboard diagnostic systems. Automotive Emission requirements vary by area, with China, Europe, and the U.S. (particularly California), impacting PCV manufacturers the most. Failure in emissions or diagnostics must be remedied by recalls.
- Corporate Fuel Economy Standards must be met in each model year in the U.S., with civil penalties for non-compliance. China applies fuel economy standards both to individual vehicles and fleet averages.
- BEVs are not adversely impacted by emissions and fuel economy standards. BEV companies can sell Regulatory Credits to PCV manufacturers who need them.
- Many jurisdictions are planning to ban manufacture of new PCVs in the next five to fifteen years due to concerns that PCVs contribute significantly to global warming.

Company Overview

GAM is an automobile manufacturer that designs, manufactures, markets, and services vehicles. At times in its long history, GAM has been the largest auto maker in the world. At its peak, it sold more cars in the U.S. than all other manufacturers put together. It is currently the largest of the U.S. auto companies and in the top ten of global automobile manufacturers. It employs over 150,000 employees of which 50,000 are U.S. union employees. It has a large legacy defined benefit pension plan and currently offers a hybrid defined benefit/defined contribution plan to union employees.

Products / Services

GAM currently sells cars, trucks and sport utility vehicles. However, its leading sales in the U.S. are luxury sedans, trucks, and SUVs, where profit margins are larger. GAM's product line has traditionally been focused on the PCV market.

Strategy

Following a strategic assessment in 2024, GAM divested half of its brands and now focuses on China and North America, which constitute 85% of its sales. GAM operates in the Chinese market via a joint venture (JV), under which GAM holds a 10% share. GAM sold more cars in China than in the U.S. in 2024, all PCVs. However, China is the largest BEV market in the world, and GAM and other legacy automakers have been steadily losing market share in China to the BEV manufacturers.

After a recent board meeting, GAM concluded that it is vital to maintain a strong presence in the PCV market in the hope that continued profits from that business could be used to help cover the high upfront costs of entering the BEV market. However, the CEO is worried that staying in the PCV market is not a viable long-term strategy.

Pension Plan

GAM sponsors traditional defined benefit pension plans for most of its large workforce. Following are the abbreviated 2025/2026 financial results for GAM, including select results for the pension plans:

1/1/2026 Balance Sheet	(in millions)
Company Assets	144,600
<u>Pension Assets</u>	<u>108,800</u>
Total Assets	253,400
Company Liabilities	105,600
<u>Pension Liabilities</u>	<u>134,200</u>
Total Debt	239,800
Equity	13,600

Other 2025 Financial Information	(in millions)
Pretax Income	6,000
Components of Pension Expense	
Service Cost	900
Interest Cost	6,100
Expected Return on Assets	(7,500)
(Gain)/Loss Amortization	180
Prior Service Cost Amortization	10
Pension Contribution	2,000
Actual Pension Return	10,100

2025 Cash Flows	(in millions)
Operating Cash Flow	7,500
Financing Cash Flow	750

2026 Assumptions	
Pension Liability Discount Rate	4.75%
PBGC Variable Rate Premium	3.00%
(as a % of unfunded liabilities)	

1.7 Non-Financial Engagement – Energetix Power

Caerus consultants have prepared the following overview of the energy industry and its primary risks.

Energy Utility Industry Overview

Energy Utilities in the U.S. generally operate as geographic monopolies under the oversight of state utility commissions in retail markets. They are required to make substantial investments in the generation, distribution and transmission of electricity and natural gas during normal periods, peak periods and natural disasters. State Utility Commissions are required to ensure each utility is profitable, over time, in the retail sector, but no such profitability requirement exists for the wholesale side.

Key Risks

Strategic Risks

- Demand risks
 - Increasing customer demand for green energy
 - Inability to meet the growing demand for energy
- Disruptive technologies (e.g., techniques to extract oil from nonconventional sources) could change the balance of energy supply and demand
- Climate risk

Regulatory, Legislative, and Legal risks

- Revenues, earnings, and the ability to recover costs are impacted by:
 - Legislation and regulation affecting utility operations
 - The rates that state utility commissions allow utilities to charge
- Environmental laws and regulations related to global climate change may require significant capital expenditures

Operational risks

- Ability to provide energy and the cost to provide it may be affected by:
 - Natural disasters
 - Operational accidents
 - Terrorist activities, military activity or other government actions
- The reputation and financial condition of utilities could be impacted by:
 - Cyberattacks and data security breaches
 - Consumer dissatisfaction over power outages and rate increases

Market/price risk

- Financial results may be affected by:
 - The overall market, economic conditions, and fluctuations in commodity prices
 - Extreme weather conditions (including those associated with climate change)

Company Overview

Energetix Power Company (“Energetix”) is an energy company headquartered in Denver, Colorado. It is a holding company doing business in seven states in the western United States through business segments. The operating business segments are:

- Electric Utilities and Infrastructure
- Gas Utilities and Infrastructure

Energetix has about 25,000 employees. About 25% of the employees are represented by labor unions under various collective bargaining agreements.

The CFO of Energetix has become interested in Enterprise Risk Management in the energy industry. She has outlined some thoughts for developing a comprehensive ERM function at Energetix:

- It is important to understand the nature of the risks in the energy industry and the specific unique or biggest risks for our company. We should have a risk register.
- What is our philosophy of risk? How can we characterize our risk appetite?
- If we have a vision for ERM, it will help spread the message throughout the company.
- How could we reflect the external views from regulators, rating agencies, other stakeholders in our ERM implementation?
- How to quantify / analyze the risks?
 - Which risks measures and techniques should be applied for quantifiable risks?
 - How should we analyze the non-quantifiable risks such as operational risks?
 - What is the best way to get data to measure potential losses? 1) using historical data (e.g., the 2011 nuclear disaster in Japan) for stress testing, 2) surveying our inhouse experts and getting their opinions for scenario testing or any other approaches?
- Which tools, techniques and strategies could be applied for our risk management?
 - Which hedging instruments / strategies could we apply for financial risks?
 - Which approaches (e.g., transfer the risks via insurance contract) could we apply for other risks such as operational / strategic risks?

Electric Utilities and Infrastructure (EUI)

EUI operates in the retail electricity market.

Its businesses operate as the sole supplier of electricity within their service areas. EUI owns and operates facilities necessary to generate, transmit and distribute electricity. Services are priced by state approved rates designed to include the costs of providing these services and a reasonable return on invested capital.

Competition in the regulated electric distribution business is primarily from the development and deployment of alternative energy sources, such as private on-site solar.

Energy Supply

Energy requirements in excess of a utility's own capacity are supplied through contracts with other generators of electricity and purchased on the open market. The EUI companies complete projections under various scenarios to test what actions would be needed if one or more counterparties failed to provide the contractual amount of energy.

EUI owns the power wires used to transmit electricity to its customers. Several of the EUI subsidiaries have considered making extensive upgrades to their lines and the equipment used to support them. However, these companies have delayed doing any maintenance because the wiring is located in difficult-to-reach wooded areas and because the regulator-approved rates have not allowed for a focus on maintenance.

EUI's generation portfolio is a balanced mix of energy resources having different operating characteristics and fuel sources, designed to provide energy at the lowest possible cost to meet its obligation to serve retail customers. All options, including owned generation resources and purchased power opportunities, are evaluated every three to five years to select the lowest-cost resources available to meet system load requirements.

Last year, the state regulator for one of the EUI companies mandated that, within the next 20 years, 50% of all electricity in that state must be generated from renewable resources such as wind or solar energy. Energetix is working on identifying the current and projected renewable energy providers, the amounts of renewable energy that they will be able to provide, and whether the EUI subsidiary can meet the mandate. It is expected that other EUI companies will have to meet similar requirements at some point in the future.

EUI relies principally on coal, nuclear fuel, and natural gas for its generation of electricity.

Coal

EUI meets its coal demand through a portfolio of long-term purchase contracts and short-term spot market purchase agreements. Large amounts of coal are purchased under long-term contracts. EUI uses spot market purchases to meet coal requirements that are not met by long-term contracts. It expects to renew the long-term contracts or enter into similar contracts with other suppliers as existing contracts expire, though prices will fluctuate over time as coal markets change. EUI has an adequate supply of coal to meet its risk management guidelines regarding projected future consumption.

Nuclear Fuel

EUI uses a portfolio of long-term supply contracts for uranium materials and services to fuel its nuclear reactors. The contracts are diversified by supplier, country of origin, and pricing. EUI staggers its contracting so that its portfolio of long-term contracts covers the majority of its fuel requirements over the next five years and decreasing portions of its fuel requirements over time thereafter. Near-term requirements not met by long-term supply contracts are expected to be fulfilled with spot market purchases. EUI generally sources these services from a single domestic supplier on a plant-by-plant basis using multiyear contracts.

For future requirements not already covered under long-term contracts, EUI believes it will be able to renew contracts as they expire or enter into similar contractual arrangements with other suppliers of nuclear fuel and services.

Natural Gas

Natural gas supply, transportation, and storage for EUI is purchased under standard industry agreements from various suppliers. EUI believes it has access to an adequate supply of natural gas for the reasonably foreseeable future.

The cost of EUI's natural gas is fixed price or determined by published market prices, plus any transportation and freight costs. It uses derivatives to manage a portion of its exposure to price fluctuations for natural gas.

EUI has interstate and intrastate natural gas transportation agreements and storage agreements in place to support its needs for electricity generation. It may purchase shorter-term gas transportation agreements to support its electricity needs as its generation requirements fluctuate.

Nuclear Energy Risks

Energetix owns 11 nuclear reactors at six operating stations. Nuclear insurance is required for all of its reactors and includes nuclear liability coverage, property damage coverage, nuclear accident decontamination, and accidental outage coverage.

Energetix has a significant future financial commitment to dispose of spent nuclear fuel and decommission and decontaminate each plant safely. Each of EUI's companies are required to update cost estimates for decommissioning their nuclear plants every five years. They are allowed to recover estimated decommissioning costs through rates charged to customers over the expected remaining service periods of their nuclear stations. EUI believes the decommissioning costs being recovered through rates, coupled with the existing fund balances and expected future earnings, will be sufficient to provide for the cost of future decommissioning.

The U.S. Department of Energy (DOE) is responsible for the construction of a facility for the permanent disposal of spent nuclear fuel and radioactive waste but is currently taking no action to fulfill its responsibilities to dispose of spent fuel. Until the DOE begins to accept the spent nuclear fuel, the EUI companies will need to continue to safely manage their spent nuclear fuel. The nuclear power industry faces uncertainty with respect to the cost and long-term availability of disposal sites for spent nuclear fuel and other radioactive waste, compliance with changing regulatory requirements, capital outlays for modifications, and new plant construction.

Gas Utilities and Infrastructure (GUI)

GUI conducts natural gas operations through regulated public utilities in five states. GUI serves residential, commercial, industrial and power generation natural gas customers.

GUI also owns, operates, and has investments in various pipeline transmission and natural gas storage facilities.

Its natural gas procurement strategy is to contract primarily with major independent producers and marketers for natural gas supply. It also purchases a diverse portfolio of transportation and storage services from interstate pipelines. This allows GUI to assure reliable natural gas supply and transportation for its customers during peak winter conditions.

GUI's businesses operate as the sole provider of natural gas service within their retail service territories. GUI owns and operates facilities necessary to transport and distribute natural gas. GUI earns retail margin on the transmission and distribution of natural gas and not on the cost of the underlying commodity. Services are priced by state commission-approved rates designed to include the costs of providing these services and a reasonable return on invested capital. This regulatory policy is intended to provide safe and reliable natural gas service at fair prices.

In residential, commercial, and industrial customer markets, natural gas distribution operations compete with other companies that supply energy. A significant factor is price. GUI's primary product competition is with electricity for space heating, water heating, and cooking. In the case of industrial customers, adverse economic or market conditions could cause these customers to use alternative energy sources with lower per-unit costs.

Higher natural gas costs or decreases in the price of other energy sources may allow competition from alternative sources for applications that have traditionally used natural gas. Technological improvements in other energy sources and events that impair the perception of the non-price attributes of natural gas could erode GUI's competitive advantage and decrease the demand for natural gas.

Regulation

State

State utility commissions (SUCs) approve rates for each Energetix subsidiary in the states where it operates. The SUCs have authority over the construction and operation of EUI electricity generating facilities. SUCs also authorize EUI companies to construct and operate their electric facilities and to sell electricity to their retail and wholesale customers. The underlying concept of utility ratemaking is to set rates at a level that allows the utility to collect revenues equal to its cost of providing service plus earn a reasonable rate of return on its invested capital.

Federal

The Federal Energy Regulatory Commission (FERC) approves EUI's rates for electric sales to certain power and transmission wholesale customers.

Environmental

EUI companies are subject to the jurisdiction of the Environmental Protection Agency (EPA) and state and local environmental agencies. These agencies have laws and regulations regarding air and water quality, hazardous and solid waste disposal, and other environmental matters.

EUI companies are working to reduce the greenhouse gasses (GHG) associated with carbon dioxide (CO₂) which is produced by the burning of fossil fuels to generate electricity. Energetix's goals and actions taken to reduce CO₂ emissions potentially lower the exposure to any future CO₂ emission reduction requirements, whether as a result of federal legislation, EPA regulation, state regulation, or other as yet unknown emission reduction requirements.

Certain local governments, none within the jurisdiction in which Energetix companies operate, have enacted or are considering initiatives to eliminate natural gas use in new buildings and focus on electrification. Actions to reduce these GHG emissions potentially lower the exposure to any future mandatory GHG emission reduction requirements. Any Energetix companies affected by such requirements would seek recovery of their compliance costs with any new regulations through the regulatory process.

Pension Plan

Energetix sponsors traditional defined benefit pension plans for all employees. Following are the abbreviated 2025/2026 financial results for Energetix, including select results for the pension plans:

1/1/2026 Balance Sheet	(in 000s)	Other 2025 Financial Information	(in 000s)
Company Assets	140,000	Pretax Income	1,100
<u>Pension Assets</u>	<u>50,000</u>	Components of Pension Expense	
Total Assets	190,000	Service Cost	2,000
		Interest Cost	2,994
Company Liabilities	80,000	Expected Return on Assets	(3,500)
<u>Pension Liabilities</u>	<u>80,000</u>	(Gain)/Loss Amortization	(440)
Total Debt	160,000	Prior Service Cost Amortization	550
Equity	30,000	Pension Contribution	2,660
		Actual Pension Return	1,770

2025 Cash Flows	(in 000s)	2026 Assumptions	
Operating Cash Flow	880	Pension Liability Discount Rate	3.75%
Financing Cash Flow	990	PBGC Variable Rate Premium	3.00%
		(as a % of unfunded liabilities)	

1.8 Non-Financial Engagement – SeaLux Cruise Lines

Caerus consultants have prepared the following overview of the cruise industry and its primary risks.

Global Cruise Industry Overview

Cruises offer a broad range of products to suit vacationing guests of many ages, backgrounds and interests. Cruise brands can be broadly classified as offering contemporary (short, casual cruises), premium (7 to 14 days, higher quality, destination-focused), and luxury (very high standards of accommodation and service, exotic itineraries) experiences.

Industry Key Risks

- World events impacting the ability or desire of people to travel
- Weather conditions, natural disasters, or other incidents affecting cruise ships and/or passengers
- Technology risks, including breaches in data security, disruptions to information technology operations, and failure to keep pace with developments in technology
- Political risks, including disruptions to normal cruise operations, increases in port charges, embarkment and dis-embarkment restrictions, etc., resulting in increasing ship and customer safety concerns, uncontrollable increase in costs or revenue losses
- Ability to recruit, develop and retain qualified shipboard personnel
- Increases in fuel prices, changes in the types of fuel consumed, and availability of fuel supply
- Fluctuations in foreign currency exchange rates
- Overcapacity and competition in the cruise and land-based vacation industry.
- Change in and non-compliance with laws and regulations under which it operates.
- Inability to implement shipbuilding programs and ship repairs, maintenance and refurbishments.

Company Overview

SeaLux Cruise Lines is a publicly traded leisure travel company in the cruise and vacation industries, headquartered in Seattle, Washington. It is a leading provider of vacations to all major cruise destinations throughout the world.

With operations in North America, Australia, Europe and Asia, the company sells tailored cruise products, services and vacation experiences on 92 ships to the world's most desirable locations.

SeaLux believes there are large, addressable markets with low penetration rates in numerous countries where it is already an established presence. It particularly sees Asia as a market with large potential, where economic growth has raised discretionary income levels, fueling an increasing demand for travel.

Cruise Pricing and Payment Terms

Each of SeaLux's cruise brands establishes pricing for the upcoming seasons. Its brands have multiple pricing levels that vary by source market, category of guest accommodation, ship,

season, duration, and itinerary. Cruise prices frequently change in a dynamic pricing environment and are impacted by a number of factors including the number of available cabins and the level of guest demand. SeaLux offers a number of special promotions, including early booking, past guest recognition, and travel agent programs.

Sustainability

SeaLux's goal is to be a company that people want to work for and to be an exemplary global citizen. It has established goals for 2031 which incorporate the following five focus areas:

- Climate Action – includes reducing greenhouse gases (GHG) and particulate air emissions, expanding the use of liquified natural gas, fuel cell, and biofuel capabilities, and identifying carbon offset options when energy efficiency options have been exhausted.
- Ecological/Recycling – reduce single-use plastic items, reduce food waste, increase use of advanced wastewater treatment
- Good Health and Well-Being – continue job creation, reduce the number of guest and crew injuries, and implement global well-being standards
- Sustainable Tourism – responsible sourcing of food, creating partnerships with destinations focused on sustainable economic development, preservation of local traditions, and building stronger community relationships
- Adopt neutrality as an explicit organizational policy with respect to geopolitical issues

A key focus of SeaLux's sustainability efforts is climate action. The company has developed a four-part strategy to help achieve GHG reduction goals:

- Fleet optimization – delivering larger, more efficient ships for both expansion of its fleet and replacement of existing ships
- Energy efficiency – improving the existing fleet's energy efficiency
- Itinerary efficiency – designing more energy-efficient itineraries, focusing on operational efficiency, and investing in port and destination projects in strategic locations
- New technologies and alternative fuels – investing in lithium-ion battery storage systems, assessing carbon capture and storage, and assessing the adaptation of alternative fuels such as biofuels

Strategy

Major goals for the company over the next five years include:

- 1) Development of two new vacation destinations in the Caribbean
- 2) Adding six new ships to the fleet -- three of the ships are additions to the fleet (i.e., the ship count will increase from 92 to 95), and the other three will replace existing ships
- 3) Increasing marketing efforts in Asian countries, especially China, which will require increasing awareness of cruises as a vacation alternative
- 4) Offering airfare and hotel packages at starting and ending ports to its web-based reservation application.

1.9 Non-Financial Engagement – The Glean Team

Industry Overview

“Gleaning” is a farming practice whereby farmers allow individuals to collect leftover produce from their fields after commercial harvesting of the fields has been completed. Gleaned produce is often smaller or larger than consumers expect, for example, a carrot that is 12 or more inches long. Or the produce may be perfect inside but has superficial blemishes that make it “ugly” so consumers will not buy it. And sometimes, harvests are just so bountiful that farmers are willing to donate excess produce.

Company Overview

The Glean Team is the brainchild of an enterprising woman, Georgiana Fields, who wanted to alleviate food insecurity in the northeastern United States. This area has a large number of relatively small, family-owned farms, whose crops are still harvested manually. Many of these farmers are approaching retirement age without any clear succession plan. As a result, The Glean Team decided to give small financial awards to new farmers who agree to provide contracted amounts of produce for the Glean Team. Volunteer gleaners harvest crops from local farms without charge. The Glean Team coordinators inspect and pack the produce, then deliver it to distribution centers such as food pantries, food banks, and homeless shelters.

A large delivery truck was funded by a grant provided to this start-up venture. Subsequently, another local organization provided a medium-sized van, which bears the name of the Glean Team and the name of this sponsor. Operating costs and insurance for these two vehicles are the Glean Team’s primary expenses since Fields operates this non-profit as a labor of love. Crops are harvested and delivered on the same day, so no refrigeration is needed.

Key Risks

- **Talent Management**

In addition to Fields, a small staff provides support functions. These individuals have terms of up to one year. Their salaries are paid for by federally sponsored programs, which dictate the length of the employment.

- **Farmer liaisons:** These individuals maintain close contact with local farmers to determine which crops can be gleaned, when gleans can be scheduled and how many volunteers would be needed for each glean.
- **Recipient liaisons:** These individuals maintain contact with food distribution centers to confirm what produce is desired, how much of each produce is desired and when it is to be delivered to them.

- Glean Coordinators: These individuals drive the delivery truck and van to and from the farms and oversee the gleaning process to ensure that appropriate food safety protocols are being followed and that only the agreed-upon produce is harvested. They are the primary contacts with volunteer gleaners. These individuals must have commercial drivers' licenses.
- Fundraising: Fields uses a third-party fund raiser to run semi-annual fund drives that provide for operating expenses and grants to new family farmers. There is no budget for repairs.

- **Operational**

Many of the individuals who obtain the free produce may be in poor health, including having compromised immune systems. As a result, strict food safety protocols must be followed throughout the process. This includes handwashing stations before gleans, monitoring the health of volunteer gleaners, bagging produce in food grade plastic bags, eliminating any produce in poor condition, etc. The gleaning operation is also subject to audits by the state department of agriculture.

- **Cybersecurity**

Volunteers must watch an orientation video and provide private information such as name, e-mail address, cell phone number, home address and age. This data is maintained in an internal file in the office. An external service has access to this file in order to send out notices of upcoming gleans, newsletters and donation requests. The third-party fundraising service that solicits donations also has access to the complete volunteer file for its semi-annual fund drives.

- **Reputational**

This program can only be successful if it maintains the goodwill of farmers, volunteers and donors. Any operational, audit or publicity failure could lead to decreased support from these key contributors.

1.10 Non-Financial Engagement – Scripts by Mail

Industry Overview

The pharmaceutical industry is responsible for supplying prescription medicines to consumers around the country and globally. Within the U.S., consumers may have the choice, depending on their insurance coverage, to receive their prescription drugs in person at a local pharmacy or by mail from a distributor. By design, pharmaceutical manufacturing facilities are located in many areas of the country to ensure there is a resilient supply.

Company Overview

Scripts by Mail is a mail order pharmacy that operates nationally in the United States. It serves commercial customers, as well as Medicare (over age 65 and certain disabilities) and Medicaid (low income) customers, providing regular prescriptions for chronic conditions such as high blood pressure, high cholesterol, diabetes, depression, epilepsy and osteoporosis. **Scripts by Mail** operates its facilities in North Carolina, Kansas and Colorado to be near pharmaceutical manufacturers and to benefit from lower labor costs. It mails medications using the U.S. Postal Service, which ensures coverage for the entire country but at slower delivery times than commercial delivery services. Due to the inherent lag in fulfilling orders, **Scripts by Mail** does not provide prescriptions for acute conditions requiring immediate attention, such as infections. This means that **Scripts by Mail** does not need to maintain an extensive supply of drugs on hand at all times, which contributes to its cost advantages.

Key Risks

Pricing and Competition

- Pricing is the key driver in this business as it is difficult to differentiate offerings and services in mail order prescriptions. Patients have the option of changing their drug providers every year during open enrollment. Software provided by various entities will highlight those plans that minimize a patient's net costs (premiums and any co-payments) for their known prescriptions. Loss of customers will reduce the provider's ability to negotiate attractive discounts.
- **Scripts by Mail** competes with other carriers to negotiate discounts for the drugs. However, pharmaceutical manufacturers have considerable pricing power.
- Pandemics, epidemics and other infectious disease outbreaks, or regional natural disasters that wipe out manufacturing centers, could lead to unavailability or severe shortages of drugs. Social media may generate strong interest in drugs that have not yet been fully vetted or may be of dubious medical value to the specific outbreak, leading to shortages for the traditional patients using those drugs. These patients may move to other carriers at next enrollment.

Privacy

While doctors are experts in their chosen specialties, new prescription drugs are constantly appearing. Most prescription drugs have side effects -- sometimes severe -- and perhaps compounded when taken in combination with other drugs. For this reason, ***Scripts by Mail***, like most pharmacies, wants to understand customers' entire medical history and drug regimens. Since most consumers are not able to accurately describe their medical conditions and prescription drugs, ***Scripts by Mail*** exchanges such data with other national pharmaceutical firms to increase patient safety.

Talent Management

Scripts by Mail's three regional fulfillment centers operate independently in their own territories – Colorado for the western states, Kansas for central states and North Carolina for the eastern states. The company's National Office is located in Massachusetts.

- The National office is run by doctors and staff who review clinical trials and negotiate with pharmaceutical manufacturers. They determine which version of various similar name-brand or generic drugs will have the most attractive prices for patients.
- Due to the close relationship with the pharmaceutical manufacturers, personnel tend to move from ***Scripts by Mail*** to the manufacturers or the reverse. If a manufacturer receives funding for clinical trials for new drugs, it may be able to lure ***Scripts by Mail*** employees with better compensation.

1.11 Financial Engagement – Lyon Corporation

Company Overview

Lyon Corporation is a financial services holding company. It is described in detail in the remaining sections of the case study and therefore the background on the company is not included here.

Engagements with Caerus

Over the past ten years Lyon has established a beneficial relationship with Caerus and continues to hire Caerus for periodic consulting engagements. Some previous engagements have focused on the following areas:

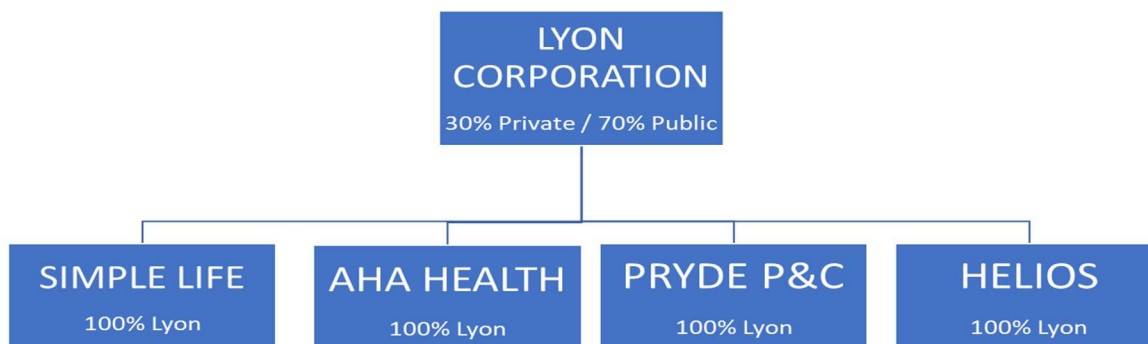
- Evaluation of potential and actual acquisitions, including specifically Pryde and Helios
- Advice in the area of board composition and governance
- Education in the development and uses of economic capital models

2 Lyon Corporation

2.1 Structure

Lyon Corporation is a diversified U.S. public holding company with interests in financial services companies.

Lyon is a Massachusetts public company (LCC: NYE and TSX) with a significant shareholder, Lyon Family, which owns about 30% of the outstanding shares. The holding company has the following structure:



Percentages denote equity interest and voting rights.

2.2 Lyon Board of Directors

The Lyon Board consists of twelve members, four of whom directly or indirectly represent the Lyon family interest. One of these four, R. Tomas Lyon III, also serves as the Board Chairman of SLIC. There are six outside board members, four of whom are Chief Executive Officers or Board Chairmen in leading public companies in the United States or Canada. The other two board members are the Board Chairmen of AHA Health and Pryde P&C.

Mandate of the Board

The mandate of the Board, which it discharges directly or through one of the six Board Committees, is to supervise the management of the business and affairs of the Corporation. Responsibilities include approval of strategic goals and objectives, review of operations, disclosure and communication policies, oversight of financial reporting and other internal controls, corporate governance, Director orientation and education, senior management compensation and oversight, and Director nomination, compensation, and assessment.

Board Committees

Executive Committee

The Executive Committee has and may exercise all or any of the powers vested in and exercisable by the Board, except approval of the annual strategic plan.

Audit Committee

The primary mandate of the Audit Committee is to provide to the Board an independent review of the procedures, controls, and results of the financial statements of the Corporation and public disclosure documents containing financial information.

Risk Committee

The primary mandate of the Risk Committee is to approve the Risk Strategy of the Corporation including the Risk Appetite and Risk Tolerance statements, identification of risks, monitoring of risks, and remediation of risks where necessary.

Compensation Committee

The primary mandate of the Compensation Committee is to approve compensation policies and guidelines for employees of the Corporation, to approve compensation arrangements for executives and Directors of the Corporation, and to oversee the management of incentive compensation plans.

Governance and Nominating Committee

The primary mandate of the Governance and Nominating Committee is to oversee the Corporation's approach to governance issues, to assess the effectiveness of the Board of Directors, the Board's Committees, and the Directors, and to recommend to the Board candidates for election as Directors and for appointment to Board Committees.

Code of Conduct and Business Ethics

The Board of Directors has adopted a Code of Business Conduct and Ethics to promote and maintain a culture of integrity throughout the Corporation. The Code is applicable to Directors, officers and employees of the Corporation.

Board Minutes

The Board is involved with the management of Lyon at both a strategic and an operational level. Excerpts from the March 12, 2026 Board meeting are provided here.

1. NEW BUSINESS

a. Corporate Audit Head

The Audit Committee announced that they had recently approved the hire of John Marmot to be appointed as Head of the Corporate Audit team, reporting to the chair of the Audit Committee. John and his team will review financial statements, develop a risk management framework, and make sure that we all follow the ERM framework that we established for Lyon and subsidiaries, in alignment with our strategic objectives.

b. Review of Potential “quick sale” Acquisition

R. Tomas Lyon III reported that he has been approached about a potential acquisition. Tyger Corporation is looking to exit the annuity market and wants to sell its wholly owned subsidiary CUB Annuity. Because this would be a quick sale, it is being handled outside the company’s normal acquisition protocols. CUB Annuity provided financials for the past three years. The data has not been independently validated by an auditor, but Mr. Lyon stated that he knows the CFO of Tyger Corporation very well and would feel comfortable trusting their numbers.

There was extensive discussion, but, since a decision needed to be made prior to the next board meeting, the board decided to vote. The board agreed to sign a letter of commitment for the acquisition by a 4 to 4 vote, with R. Tomas Lyon III having the deciding vote when there is a tie.

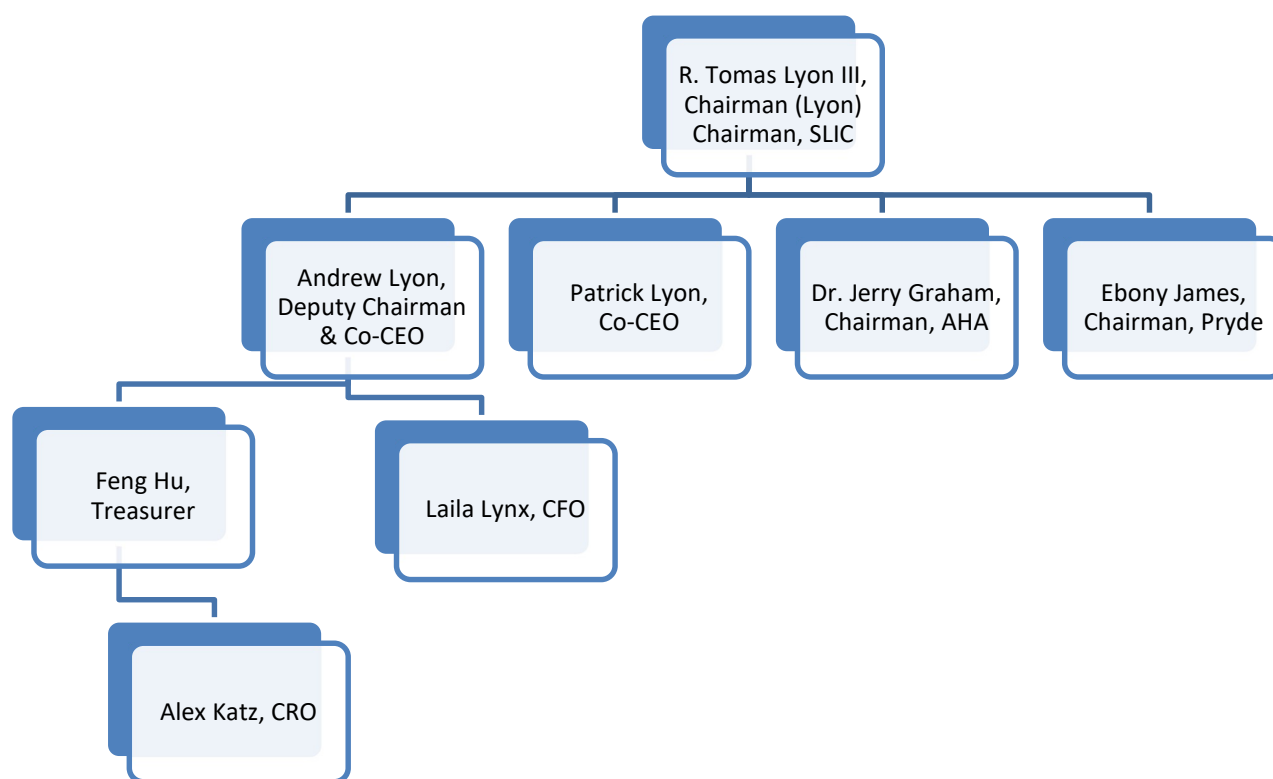
3 Lyon Subsidiaries

3.1 Oversight of Lyon Companies

Lyon Corporation functions as a holding company with four fully owned subsidiaries: Simple Life Insurance Company (SLIC), AHA Health Insurance Company (AHA), Pryde P&C, and Helios Insurance Company. Lyon Corporation is publicly owned, with 30% of the shares held by the Lyon family. The company has \$50 million in debt outstanding in the form of 20-year bonds issued in 2009 at 7.75% interest and uses an after-tax cost of capital of 10% to determine the value of an acquisition or a project.

Lyon Corporation, SLIC, AHA Health, and Pryde P&C are each managed by an executive team (comprising the CEO, CFO, and COO and four to six other executives). Each CEO reports directly to his respective board. SLIC, AHA Health, and Pryde P&C each have an independent Board of Directors.

A simplified organization chart for Lyon follows:



The Lyon ERM department regularly asks each of the primary affiliates (SLIC, AHA, and Pryde) to provide an update on the state of the company, including product lines, outside relationships, risk assessments and concerns, and current business issues. Though operational information has historically been limited, it has improved with the establishment of the Corporate Risk Committee one year ago.

Lyon requires its U.S. subsidiaries to dividend excess capital up to the holding company. In turn, Lyon will consider providing capital contributions to subsidiaries that fall short of their capital requirements.

The documents in this section of the case study comprise various reports, e-mails, and memos related to the operation of Lyon Corporation.

The first set of reports that follow represent submissions from SLIC, AHA, and Pryde in response to Corporate's request for summary descriptions of each company.

3.2 SLIC Report to Corporate

Company Summary

The Simple Life Insurance Company (SLIC) is 100% owned by Lyon Corporation. R. Tomas Lyon III serves as Chairman of the Board, President and CEO.

SLIC is a U.S. life insurance company located in Boston, Massachusetts, selling throughout the United States. SLIC issues its products only in the U.S.

SLIC has four lines of business: Universal Life (UL); Term Life; Single Premium Immediate Annuities (SPIA); and Variable Annuities (VA) with guaranteed living benefits.

Capitalization and Investments

The company strives to maintain a strong statutory risk-based capital (RBC) ratio, targeting capital at 350% of Company Action Level RBC, and to have an available to required economic capital ratio of 110% or greater. Any surplus in excess of the larger of 400% of Company Action Level RBC and 110% of required economic capital is distributed to Lyon Corporation through a dividend paid in cash annually at the end of the first quarter based on the year-end balance sheet. Surplus positions less than the larger of 300% of Company Action Level RBC and 90% of required economic capital are addressed through a capital contribution from Lyon Corporation.

The company's general account is invested primarily in fixed-income assets. VA fixed accounts, which are minimal, are part of the general account; VA separate account investments are held in segregated accounts and are managed by a third-party investment advisor.

Within the general account, there are separate investment portfolios for each of the four main product lines.

Portfolio Summary

The following is a breakdown by asset class of the market value of SLIC's general account investment portfolios (\$ million) as of 12/31/2025, excluding derivatives and VA separate (segregated) accounts.

		US Corporate		US Corp					Cash &		
	US	Investment Grade		Below Inv	US CMBS/		Real	Common	Short-		
LOB	Govt	Public	Private	Grade	ABS	Mortgages	Estate	Stock	Term	Other	Total
Term	67	679	178	34	385	355	0	0	68	16	1,783
UL	73	531	291	54	455	482	0	0	72	54	2,012
VA	28	335	64	27	96	75	0	0	35	6	667
SPIA	7	73	18	4	55	42	0	0	31	10	240
Corp	3	40	5	3	7	8	10	5	26	17	124
Total	178	1,658	557	122	999	962	10	5	232	103	4,825

The “Other” investment class includes foreign sovereign debt, private equity, and other assets outside the traditional categories.

Risk Policies

Credit Risk: Fixed-income securities in the general account have exposure limits at individual obligor (issuer) and sector levels. For each portfolio, there are weighted average credit quality targets.

Market Risk: The company measures the effective duration of the assets and liabilities, quarterly within the Term, UL and SPIA lines of business. If the asset and liability durations are further apart than 0.5, the asset portfolio is rebalanced within 30 days such that its new effective duration equals that of the liabilities.

For the Term, UL, and SPIA lines of business, any non-U.S. dollar fixed income positions are currency-hedged back to U.S. dollars using currency derivatives.

VA hedging is done on an economic basis. The hedging uses a dynamic approach updated monthly for market factors and quarterly for liability inforce changes. The key risk measures are delta and rho, and the program updates its equity and interest rate derivatives such that at least 80% of liability delta and rho are hedged. This “opportunistic” hedging methodology allows the hedging team to take some bets, as long as these hedging targets are met.

Liquidity Risk: The liquidity policy requires SLIC to hold sufficient liquid assets to meet expected demands for cash in a unique liquidity stress-test scenario. The scenario focuses on an idiosyncratic liquidity crisis, where markets continue to operate normally and the liquidity crunch affects only the company. The liquidity stress test anticipates situations where the company’s ability to sell assets to meet cash needs from its liability products is hindered by the market taking advantage of the company during the crisis. In addition, testing periodically considers a systemic stress scenario where the entire market is not able to sell assets at a reasonable value. However, SLIC’s liquidity policy does not require it to hold sufficient liquid assets to be able to meet cash demands in such a scenario, since it expects regulatory relief in a systemic crisis.

Operational Risk: The SLIC Chief Risk Officer, Steve Crowe, is responsible for collecting and disseminating risk information. A report will be prepared monthly and distributed to executive management.

Last year SLIC completed a review of its back-office operations. There were several goals it wanted to fulfill with this review:

- Assure completion of investment trades on a timely and accurate basis
- Maintain compliance with governmental regulations with respect to investments and inforce product management.
- Ensure adequate procedures and staffing, recognizing changing employment patterns that came into place following the COVID-19 global pandemic

Emerging Risks: To date, SLIC has identified and managed emerging risks on an ad hoc basis. The company recently determined that it needed to formalize its approach to detecting and monitoring these risks. It has convened a task force to develop an emerging risk policy.

SLIC Risk Management Committee

The committee meets on a quarterly basis. Meetings focus on reviewing internal risk reports and interviews with key employees in finance, systems, and audit.

In accordance with the mandate of Lyon's Corporate Risk Committee, requiring that each affiliate put a Chief Risk Officer (CRO) in place, the SLIC Risk Management Committee recently defined the CRO responsibilities and hired an executive, Steve Crowe, to fill that role. The CRO leads an independent ERM department, is responsible for developing and implementing a comprehensive company-wide ERM program and serves as the risk liaison across various business segments.

The CRO serves as the Chairperson of the Risk Management Committee, ensuring all relevant risk topics are addressed within the Committee according to the Company's Risk Policy.

Initial Product Report

The Company distributes its products through an independent brokerage system. The Company supplies marketing materials and product descriptions. Brokers are responsible for their own training.

Level Premium Term Insurance

Product Description: The term life insurance line has two series of products. The fully underwritten line, Secure Term, offers three term periods: 10, 20 and 30 years. The simplified issue line, Simple Term, offers a 10-year level term product. Both lines are renewable after the level term period on a steeply increasing annual premium scale and are convertible to the currently issued UL product during the level term period.

For both term insurance lines, SLIC makes use of reinsurance, the terms of which have been fairly consistent for many product generations. The fully underwritten line is coinsured at 60% to Trust Us Re, and any single life issue over \$1 million is 100% reinsured with the same reinsurer. The simplified issue line is reinsured under Yearly Renewable Term (YRT) treaties to a pool of four reinsurers, each with an 8% quota share.

Based on the emerging experience results and increasing face amounts for more recent issues of these products, SLIC is re-evaluating its reinsurance agreements and retention limits.

Market Position: Sales have been strong, due to competitive pricing, higher-than-average first year sales compensation, and a strong advertising campaign.

Experience: The fully underwritten line has shown improving mortality relative to pricing and lower-than-priced lapse rates. In contrast, the simplified issue line shows deteriorating mortality relative to pricing and higher-than-priced lapse rates.

The SLIC Pricing department has implemented cutting edge approaches to assess mortality experience, including performing predictive modeling exercises to better understand sensitivity to various independent variables (e.g., policy duration, insured's socio-economic status, state of issue, etc.). In addition, SLIC participates in and uses Society of Actuaries (SOA) industry studies to assess its relative experience. The SOA studies span the last five years of mortality incidence and are refreshed annually. Pricing systematically distributes the experience study report to other modeling areas, so their assumptions can be kept current.

A recent study of the term conversion experience has shown a sharp increase in utilization of the conversion privilege and poor mortality experience on the conversions.

SLIC's current annual lapse experience studies are based on the last five years of experience but are being refined. Currently, studies exist for aggregate experience by issue age and policy year, but enhancements are planned to include splits for gender and underwriting risk class.

Proposed New Product: SLIC is considering introducing an Accelerated Underwriting (AUW) term product.

Variable Annuity

Product Description: All Variable Annuity contracts provide a Return of Premium (ROP) GMDB. Partial withdrawals are permitted, with the GMDB reduced dollar for dollar by the amount of the withdrawal. The VA offers a collection of eight proprietary mutual fund choices (seven domestic and one foreign) and a fixed fund invested in the general account.

Two optional Guaranteed Living Benefits (GLBs) are offered as riders, only one of which may be chosen for a single underlying contract: (i) a Guaranteed Minimum Accumulation Benefit (GMAB), which guarantees the contractholder's account value will not drop below the premium deposit (reduced by any withdrawals) as of the 10th year anniversary; or (ii) a Guaranteed Minimum Withdrawal Benefit (GMWB) that guarantees the contractholder the ability to withdraw 5% of the benefit base per year for life, regardless of whether the account value is sufficient to support these withdrawals. The benefit base equals net deposits rolled up at 5%

per year until the contractholder starts to take withdrawals. The annual fee for this rider is 1% of the benefit base.

The most recent sales mix, as measured by account value, shows 30% without a GLB, 20% with a GMAB and 50% with a GMWB.

Experience:

All SLIC VA modeling applications use industry mortality experience as published by a large actuarial consulting firm seven years ago. Other assumptions (e.g., surrenders or GMWB utilization) are those used by the Pricing department.

Universal Life

Product Description: When SLIC began selling Universal Life in 2007, the company sold a mix of various UL products, with 4% guarantees, which were common at that time. Some of those products are still in force.

The company's current universal life offerings consist of two different products:

The Saver Supreme product is designed to accumulate high cash surrender values relative to the death benefit over time and guarantees its investment performance at 3% per year. The Protector Plus product is designed for the consumer who wants death benefit protection at the lowest possible premium; it guarantees that the policy will stay in force if the specified premium is paid each year. Both products are surrenderable.

SLIC currently supports these products with investment grade corporate bonds and U.S. Treasuries, targeting a 2% spread.

Current Issues: The administrative system needs additional programming to handle some product features that are now available to the policyholder. To date these features selections have been tracked manually through electronic notes in the policy file.

The company is behind its competitors in handling admin processes for the UL product. Other companies have either made the difficult decision to invest in new systems or, in some cases, have entered into relationships with administrative services companies.

Experience: SLIC has not yet implemented a separate mortality study for its UL product. Instead, SLIC bases its UL mortality assumption for all modeling applications on the Secure Term mortality experience studies, since both products have the same risk class structure and underwriting criteria.

SLIC's lapse study on the UL product is fairly comprehensive, reflecting the surrender charge period and the dynamic impacts of crediting rates. It includes the last five years of lapse experience and is updated semi-annually by Pricing, which then systematically distributes these reports to all other modeling groups.

The UL product is not currently reinsured.

Single Premium Immediate Annuity

Product Description: The SPIA product is available as a straight life-only annuity (75% of portfolio by reserve) and as a period certain annuity, with annuitant-specified certain periods up to 20 years. Neither product version has a death benefit or a surrender benefit.

Experience: Recent mortality studies have shown mortality about equal to what was expected in pricing. However, mortality seems to be improving faster than expected.

SLIC's pricing mortality assumption is based on Pricing's annual experience study spanning the last two years of experience. Pricing makes this study available to the other modeling groups upon request. The mortality improvement assumption for all modeling applications is based on industry experience as released in a study performed by a large consulting firm two years ago. A more recent study received a few weeks ago showed an uptick in mortality improvement at older ages, which SLIC has not yet reflected in pricing.

Market Position and Investment Strategy: The product is selling well, but the changing interest rate environment has significantly reduced SLIC's pricing advantage. Traditionally, assets supporting this block have been high quality long term corporate bonds and treasuries. However, in response to the recent economic environment, higher yielding investments have been considered to help meet the desired profit margin. Potential new investments include real estate, domestic private equity and emerging markets common equity. To further expand the available universe of assets, synthetic securities may be used to efficiently replicate cash flows of desired risky assets (e.g., replicating an unavailable convertible bond of a specific issuer by purchasing a corporate bond plus a long-term call option on that issuer's stock). In addition, financial contracts may be used to meet SLIC's risk management objectives by customizing the terms and obligations of these investments. Examples of such financial contracts include swaps, options, futures, and forwards.

3.3 AHA Report to Corporate

Note to File with respect to AHA's report, from Jean Manx, Lyon Risk Manager:

Because Lyon management has little experience with health insurance, the company has been content to allow the AHA management a great deal of autonomy. AHA feels this arrangement has continued to work well and AHA objected to any additional oversight by Corporate. AHA was reluctant to provide a very thorough report to Lyon, but eventually submitted the following.

Company Summary

AHA Health Insurance Company (AHA) is a national insurance company located in California with its home office in Los Angeles. AHA is wholly owned by Lyon Corporation. AHA sells individual and group health insurance.

Management / Culture

AHA management tends to be aggressive and willing to take risks. The company is aware of the Lyon mandate to name a CRO but has failed to hire one to this point. It is a general belief among AHA management that a CRO will obstruct the company's currently aggressive underwriting practices and sales mentality.

AHA's management team has a generous incentive plan. The incentive compensation plan criteria include sales, membership growth, and quality of care. AHA's plan covers management staff from top management to frontline management. The goal is to have all management focused on the key drivers of success.

AHA is also implementing a set of contingent compensation agreements for its brokers.

Products

AHA sells individual, small group, and large group health insurance in California and 14 other states. Products are sold primarily by brokers, who maintain a relationship with AHA.

AHA's health insurance policies include comprehensive major medical coverage of hospital services, physician services, and prescription drugs. In addition, the group policies may include dental coverage. Dental is offered as an additional benefit attached to the medical policies.

Operations

AHA has a claims system developed and maintained by a well-respected national vendor. AHA maintains a close relationship with this vendor to make sure that the system meets all of its needs. AHA's claim department has recently experienced higher than normal turnover, resulting in lower staff levels than desired and more inexperienced and untrained staff.

AHA uses credibility rating to underwrite large group business coverage. While the underwriting decision is systematically determined in most cases, Jose Gambas, the Senior Pricing Actuary, makes the ultimate underwriting decision for the largest cases, relying on his extensive experience in the industry.

AHA captures claims experience at a granular level, allowing for quick updates to pricing, repricing, and forecasting assumptions based on the regular monitoring of active claims. In addition, the data are used for research, ad hoc financial analyses, group reporting, and financial reporting. In fact, the group reports have proved helpful in showing groups how to lower their costs.

Risk Management

AHA has never had a CRO. The company has a risk committee with limited scope and authority that reacts to emerging risk as necessary, and different senior managers take on a CRO role as needed.

The risk committee issues reports as deemed necessary to affected Departments. Risks are managed in silos, relying on the expertise within each Department.

AHA currently targets holding capital at 600% of Authorized Control Level RBC (300% of Company Action Level RBC). Surplus in excess of 700% of Authorized Control Level RBC (350% of Company Action Level RBC) is distributed annually to Lyon Corporation through a dividend paid in cash at the end of the first quarter based on the year-end balance sheet. Surplus positions less than 500% of Authorized Control Level RBC (250% of Company Action Level RBC) are considered deficient and result in a request for a capital contribution from Lyon Corporate.

Jose Gambas, the Senior Pricing Actuary, has communicated to management his concerns regarding significant volatility in medical cost and prescription drug inflation rates since the pandemic. Since the last detailed study performed was three years prior to the pandemic, he has advocated that the prior study be updated and results reflected in the pricing manuals. However, Jose has been told that lack of actuarial resources and allocated budget continue to delay this initiative.

Acquisitions

AHA management is open to acquisition opportunities and is currently considering the purchase of Eureka Insurance Company (Eureka), a health insurance company domiciled in New York. The driving force behind this acquisition would be to help AHA enter a new market without needing to build a lot of infrastructure. Initially, Eureka management would remain in place to run the company and integration would proceed over several years. AHA management is putting together a due diligence team including staff from AHA finance, actuarial, marketing, and medical management.

3.4 Pryde Property & Casualty Report to Corporate

Company Summary

Pryde P&C is an Omaha, Nebraska-based U.S. general insurer writing commercial lines of business. Pryde's two products are commercial multiple peril and workers compensation. It is 100% owned by Lyon Corporation.

Pryde is licensed in all 50 states and the District of Columbia. Pryde's business is geographically spread throughout the United States with its largest state (California) representing 17% of total premium volume. The next largest states include Texas, (6.0%); Georgia (5.5 %); Florida (5.4%); and Mississippi (5.3%), all of which are in the area of the U.S. most prone to hurricanes. The 46 other jurisdictions constitute 60.8% of the total business, with no single state having a share greater than 5%.

Commercial Multiple Peril

Pryde sells a range of commercial multi-peril insurance policies. The policies cover various types of business risk, such as, business interruption, risks to mechanical equipment, physical damage to business facilities and automobiles, and general liability. Pryde is willing to work with customers to offer unusual coverages, as requested, and to bundle coverages in whatever

combinations the client requests. The lack of standardization in the policies has made it difficult to analyze the experience of this product accurately.

Over the past two years, the marketing area has pushed for innovative underwriting approaches that better recognize each individual client's risk and for new product features that are quite attractive to Pryde's potential customers.

Workers Compensation

Pryde's Workers Compensation policies provide typical coverage of medical expenses and loss of salary due to work-related injuries. Pryde's stated target market is upscale, low-risk companies. However, the actual mix of business has gradually trended toward a higher percentage of industrial enterprises. Pryde uses a simplified pricing model that has only one set of filed premium rates.

Catastrophe Exposure

The group's primary catastrophe exposure stems from hurricanes and earthquakes. However, the risk of wildfires in California has also been increasing over the past several years. Catastrophe exposure relates primarily to the commercial multiple peril line.

The hurricane and earthquake exposures are mitigated through excess of loss reinsurance, as well as catastrophe protection. As a result, the group's estimated net probable maximum losses (PML) stemming from a combined 1-in-250-year hurricane and a 1-in-250-year earthquake depicted in a PML analysis represents approximately 5% of statutory capital and surplus.

Pryde reinsures with high-quality reinsurers with credit ratings of A or higher.

Production and Operations

Business is produced primarily through wholesale and retail agents on a national basis. Customer service is highly rated as evidenced in consistently high customer retention levels.

Pryde maintains its claims operations and client service in-house. It utilizes legacy computer systems to process data. These systems were developed prior to Pryde's acquisition by Lyon Corporation and have continued to be maintained by the company's internal information technology department. Pryde believes that its long-standing personalized processes provide the best service to its clients.

Pryde monitors underwriting performance using ultimate claim losses by accident year. Ultimate losses include claim amounts paid, claim adjuster estimates of case reserves, and incurred but not reported (IBNR) loss estimates. Accident year data reflect losses for claims that occurred in the twelve-month period containing the date of accident of the claim.

ERM Framework

Pryde has an ERM Committee that meets quarterly, chaired by the Company's Chief Risk Officer. Committee membership includes senior management and key risk owners. Key risk owners are company experts who understand the nature of specific leading risks for Pryde. The ERM team interviews risk owners each quarter to aid the team in the process of identifying and

managing risks. Risk surveys are used to identify risks and opportunities for each unit and the company.

Pryde has a Risk Appetite statement including risk preferences, tolerances, and limits for the enterprise overall and for leading risks including strategy, operational, and financial risks. The risk tolerances and limits are reviewed quarterly, and breaches are reported to the ERM Committee each quarter. The ERM team follows up on risk tolerance breaches to understand the nature of the breach and develop a plan to manage the risk to be within the tolerance.

Key risks for Pryde are:

- Strategic risk
- Operational risk
- Reserve risk
- Pricing risk
- Growth risk
- Catastrophe risk
- Investment risk
- Liquidity risk
- Reinsurance Credit risk

Pryde performs stress testing on each key risk using a 5-year financial plan as the base case. Stress tests are defined as 1 in 10-year, 1 in 100-year, and 1 in 250-year events.

3.5 Helios

Helios Life is located in Triangle City, Atlantis, a jurisdiction that uses the Euro as its currency and uses Solvency II as a capital framework. It is 100% owned by Lyon Corporation. Helios offers life insurance, disability insurance, and a combination illness/disability/life insurance product.

The Helios investment portfolio is diversified and includes bonds, public and private equity, mortgage-backed securities, and U.S. Treasuries. It has exposure to U.S., European and Asian companies with significant concentrations in financial, technology, manufacturing, energy, and services industries.

Helios was acquired by Lyon Corporation in 2023. It was hoped that Helios would be a strategic entry into more global markets though Lyon has not as yet devoted much time to developing Helios.

To date, Helios has provided steady profits. Helios reports earnings on an IFRS basis. Earnings are translated to a U.S. GAAP dollar basis for reporting Lyon's consolidated financial statements. Lyon has allowed earnings to be retained within Helios to date but is now considering taking a dividend from Helios to provide Lyon with additional financial flexibility.

The Helios CRO is concerned about political risk impacts on the investment portfolio. Over the past year investment performance has experienced significant volatility due to a major war in Eastern Europe and government regulations in some Asian countries related to exports. The

CRO has requested that a predictive analytics model be built to estimate the impact of political risk on the investment portfolio. The building of the model is outsourced to a consultant. This is the first time Helios will be using a predictive analytics model.

Helios Predictive Analytics Model – E-mail Correspondence

Date: October 8, 2025
To: Lori Angels, Helios CRO
From: Chris Wings, Consultant

Lori,

I am writing to update you on the progress we have made in building the political risk predictive analytics model. The model is close to being completed and we expect to deliver a version for testing by the Helios team by the end of next week.

The model uses cutting edge predictive analytics techniques. It is calibrated using 100 data inputs, including market data, economic data, financial and insurance industry surveys, news from reputable media sources, social media feeds and Helios investment portfolio data. As previously agreed, we will recalibrate it on an annual basis at which time all inputs will be updated. On a quarterly basis, your team will need to update only the 15 most statistically significant variables together with the investment portfolio data.

When we deliver the model, we will also provide you with detailed documentation of the model assumptions and methods and a user guide. Due to the model's complexity, building a replication tool for the model is not in scope.

Sincerely,

Chris Wings

4 Lyon Operations

4.1 Corporate Financial Statements

Memorandum to Lyon Senior Management

Date: February 27, 2026

Subject: Corporate Financial Statements

Please find below the Corporation's financial statements, as recently completed for year-end 2025.

The current year financial statements are provided for Lyon Corporation on a consolidated basis, and multi-year summary statements are provided for each of the subsidiaries. In the subsidiary statements, 2024 and 2025 are actual results; 2026–2028 are projections.

Lyon Consolidated 2025 Statements

2025 FINANCIAL STATEMENTS	SLIC	AHA	Pryde	Helios	Lyon Corporate *	Combined Financials
Income Statement (000s)						
Premiums & Policy Fees	974,855	6,088,018	810,608	166,675	0	8,040,156
Investment Income	293,051	57,454	53,985	89,947	12,446	506,883
TOTAL REVENUE	1,267,906	6,145,472	864,593	256,622	12,446	8,547,039
Property and casualty losses and loss expense	0	0	618,908	0	0	618,908
Life, accident and health benefits	556,303	4,884,664	0	114,655	0	5,555,622
Other expenses	611,180	756,571	209,136	118,026	5,281	1,700,194
TOTAL EXPENSES	1,167,483	5,641,235	828,044	232,681	5,281	7,874,724
Income Before Income Tax	100,423	504,237	36,549	23,941	7,165	672,315
Income Tax	28,118	141,186	9,137	5,253	1,934	185,628
Net Income	72,305	363,051	27,412	18,688	5,231	486,687
Balance Sheet (000s)						
General account assets	4,825,480	3,044,675	3,552,195	1,581,999	408,070	13,412,419
Separate account assets	1,979,278	0	0	0	0	1,979,278
Total Assets	6,804,758	3,044,675	3,552,195	1,581,999	408,070	15,391,697
Property and casualty loss and other liabilities	0	0	2,494,956	0	0	2,494,956
Separate account liabilities	1,979,278	0	0	0	0	1,979,278
Future policy benefits and claims, other liabilities	4,307,232	1,016,699	0	1,397,199	0	6,721,130
Other liabilities	0	0	0	0	52,235	52,235
Total Liabilities	6,286,510	1,016,699	2,494,956	1,397,199	52,235	11,247,599
Surplus	518,248	2,027,976	1,057,239	184,799	355,835	4,144,097
RBC Ratio**	405%	700%	400%			
Total Liabilities and Surplus	6,804,758	3,044,675	3,552,195	1,581,999	408,070	15,391,697
Additional Balance Sheet Information						
Dividend/Capital Transfer from/(to) Lyon	(50,963)	(90,189)	(57,552)	0	198,704	0
Economic Capital						
Required Economic Capital	420,264	2,122,586	919,089	170,109	33,870	3,665,918
Excess Capital	91,988	228,140	195,858	63,810	335,487	915,283
Available Economic Capital	512,252	2,350,726	1,114,947	233,919	369,357	4,581,201
* Excluding investments in subsidiaries						
** RBC Ratio reduced by any dividend to Lyon paid in following year						
Note: Lyon uses Company Action Level RBC; AHA uses Authorized Control Level RBC						

SLIC Financial Statements

TOTAL

Statutory Income Statement (000s)

	2024	2025	2026	2027	2028
Premiums & Policy Fees	1,435,641	1,560,105	1,703,225	1,865,449	2,049,486
Ceded Premiums	(527,153)	(585,250)	(652,864)	(731,613)	(823,426)
Net Investment Income	268,017	293,051	323,198	360,148	401,238
Total Revenue	1,176,505	1,267,906	1,373,559	1,493,984	1,627,298
Surrender & Annuity Benefits	129,411	140,029	152,654	167,055	181,287
Death Benefits	701,348	775,409	856,369	947,182	1,058,579
Ceded Benefits	(321,618)	(359,135)	(399,333)	(444,660)	(502,239)
Increase in Net Reserves	304,273	334,112	363,674	393,635	425,472
Expenses	170,306	185,587	202,287	221,598	243,964
Net Transfers to/(from) Separate Account	101,724	91,481	82,088	71,782	60,457
Total Benefits & Expenses	1,085,444	1,167,483	1,257,739	1,356,592	1,467,520
Income Before Income Tax	91,061	100,423	115,820	137,392	159,778
Federal Income Tax	25,497	28,118	32,430	38,470	44,738
Net Income	65,564	72,305	83,390	98,922	115,040

Statutory Balance Sheet (000s)

General account assets	4,470,024	4,825,480	5,222,581	5,662,260	6,144,801
Separate account assets	1,726,140	1,979,278	2,244,838	2,522,970	2,813,729
Total Assets	6,196,164	6,804,758	7,467,419	8,185,230	8,958,530
Net General Account Reserve Liabilities	3,973,118	4,307,232	4,670,904	5,064,539	5,490,011
Separate Account Liabilities	1,726,140	1,979,278	2,244,838	2,522,970	2,813,729
Total Liabilities	5,699,258	6,286,510	6,915,742	7,587,509	8,303,740
Surplus	496,906	518,248	551,677	597,721	654,790
RBC Ratio*	416%	405%	400%	400%	400%
Total Liabilities and Surplus	6,196,164	6,804,758	7,467,419	8,185,230	8,958,530

Additional Balance Sheet Information

Dividend/Capital Transfer (to)/from Lyon	0	(50,963)	(49,962)	(52,877)	(57,971)
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Economic Capital Balance Sheet (000s)

Market Value of Assets	6,474,991	7,110,972	7,803,453	8,553,565	9,361,664
Economic Reserve	5,995,882	6,598,720	7,238,590	7,913,611	8,629,376
Required Economic Capital	389,224	420,264	454,133	491,586	532,829
Excess Capital	89,885	91,988	110,730	148,368	199,459
Total Liabilities and Surplus	6,474,991	7,110,972	7,803,453	8,553,565	9,361,664

* RBC Ratio reduced by any dividend to Lyon paid in following year

TOTAL	2024	2025	2026	2027	2028
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Earned Premiums	5,609,546	6,088,018	6,700,167	7,286,846	7,800,484
Health benefits	4,522,403	4,884,664	5,375,381	5,845,790	6,257,843
General expenses	724,852	756,571	835,707	910,767	975,021
Total Expenses	5,247,255	5,641,235	6,211,088	6,756,557	7,232,864

Investment Income	46,649	57,454	64,700	70,861	77,523
Income Before Income Tax	408,940	504,237	553,779	601,150	645,143
Federal Income Tax	114,503	141,186	155,058	168,322	180,640
Net Income	294,437	363,051	398,721	432,828	464,503

Total Assets	2,683,493	3,044,675	3,334,648	3,648,107	3,942,291
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Liability for unpaid claims and claim adjustment expenses	603,026	669,682	737,018	801,553	858,053
Other Liabilities	325,353	347,017	381,910	415,350	444,627
Total Liabilities	928,379	1,016,699	1,118,928	1,216,903	1,302,680

Surplus	1,755,114	2,027,976	2,215,720	2,431,204	2,639,611
RBC Ratio*	700%	700%	700%	700%	700%
Total Liabilities and Surplus	2,683,493	3,044,675	3,334,648	3,648,107	3,942,291

Surplus Transfer from/(to)					
Corporate	0	0	0	0	0
Dividend/Capital Transfer					
(to)/from Lyon	0	(90,189)	(210,977)	(217,344)	(256,096)

Market Value of Assets	3,244,680	3,673,455	4,034,184	4,418,495	4,777,482
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Economic Reserve	1,204,041	1,322,730	1,460,379	1,592,967	1,710,671
Required Economic Capital	1,839,668	2,122,586	2,327,427	2,558,966	2,781,569
Excess Capital	200,972	228,140	246,377	266,563	285,241
Total Liabilities and Surplus	3,244,681	3,673,456	4,034,183	4,418,496	4,777,481

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Pryde Financial Statements

TOTAL	2024	2025	2026	2027	2028
Statutory Income Statement (000s)					
Underwriting Income					
Premiums earned	828,134	810,608	793,639	813,480	833,817
Losses and loss adjustment expenses incurred	539,498	618,908	598,919	606,161	612,958
Expenses	227,975	209,136	210,632	211,761	212,837
Net Underwriting Gain (loss)	60,661	(17,436)	(15,912)	(4,442)	8,022
Investment Income	50,490	53,985	60,085	64,348	64,825
Income Before Income Tax	111,151	36,549	44,173	59,906	72,847
Federal Income Tax	27,788	9,137	11,043	14,977	18,212
Net Income	83,363	27,412	33,130	44,930	54,635

Statutory Balance Sheet (000s)

Total Assets	3,493,796	3,552,195	3,800,271	3,828,589	3,896,129
Losses and loss adjustment expenses	1,749,914	1,882,776	2,128,487	2,149,364	2,169,090
Unearned Premium	418,688	391,920	401,719	411,761	422,056
Other Liabilities	237,815	220,260	228,979	234,704	240,571
Total Liabilities	2,406,417	2,494,956	2,759,185	2,795,829	2,831,717
Surplus	1,087,379	1,057,239	1,041,086	1,032,760	1,064,412
RBC Ratio*	400%	400%	400%	400%	400%
Total Liabilities and Surplus	3,493,796	3,552,195	3,800,271	3,828,589	3,896,129

Additional Balance Sheet Information

Surplus Transfer from/(to)					
Corporate	0	0	0	0	0
Dividend/Capital Transfer (to)/from Lyon	(35,657)	(57,552)	(49,282)	(53,256)	(22,983)

Economic Capital Balance Sheet (000s)

Market Value of Assets	3,437,913	3,509,273	3,759,609	3,814,751	3,892,294
Economic Reserve	2,300,292	2,394,326	2,659,245	2,705,684	2,751,682
Required Economic Capital	932,733	919,089	906,790	929,122	954,900
Excess Capital	204,888	195,858	193,574	179,945	185,712
Total Liabilities and Surplus	3,437,913	3,509,273	3,759,609	3,814,751	3,892,294

* RBC Ratio reduced by any dividend to Lyon paid in following year

4.2 Credit Ratings

Lyon Corporation is preparing for a financial strength rating review by Kelly Rating Agency, an internationally recognized rating agency. Kelly has previously focused on its ratings of stand-alone insurance companies, such as SLIC, AHA, and Pryde, but beginning last year required that insurance groups be rated in aggregate for the group. Lyon Corporation received a financial strength rating of A (Excellent) from Kelly for the insurance group. The rating reflects the sufficient capital position of SLIC, Lyon's initiatives to implement ERM practices across the group, and Lyon's overall positive financial results. Lyon's debt rating is BBB. The individual insurance companies, SLIC, AHA Health, and Pryde P&C strive to maintain AA Kelly ratings.

During its review last year, Kelly identified several issues that it expects Lyon to address before the next review, scheduled for later this year. Correspondence related to the prior review and Kelly's most recent rating report are provided starting on the following page.

Kelly Ratings & Analysis - When it comes to ratings, clearly you need Kelly

1 Kelly Drive, Capital City

phone: 123/555-6500

February 10, 2026

R. Tomas Lyon III

Lyon Corporation

Dear Mr. Lyon:

It is time once again for Kelly Ratings & Analysis' annual review of Lyon Corporation. I will call you next week to set up a date. Ideally, Paula Silver, Director of our Financial Services Practice, and I would like to meet with Lyon Corporation sometime in early April. As in past years, we will come to your offices for a day of meetings with your senior management team. Count on the presentation from Lyon Corporation taking the first half of the meeting; the second half will be a free form Q&A with your management. We can finalize the agenda during next week's call.

Attached is Kelly's rating rationale from last year. Due to last year being the initial group-level review and the lack of available group financial data, the rationale was based primarily on our qualitative assessment of the group and its component companies. Please look through this document and make note of any aspects that you wish to discuss. In addition, we will need your 2025 financial information. I would like to receive that in advance of our meeting.

I want to remind you: since last year was the first year for a group-level rating review, our Kelly Financial Wherewithal Rating™ (commonly known as the "Kelly Rating") was not publicly disclosed. It was intended to help you understand our group assessment criteria and how Lyon Corporation would be evaluated, so you would have an opportunity to improve any deficient processes before this year's public rating. The financial strength rating determined for Lyon Corporation last year was **A**.

Evaluating implementation and effectiveness of insurers' ERM processes has become an increasingly important part of Kelly's evaluation and rating of insurer's financial strength. We acknowledge the progress Lyon has made toward building an effective ERM framework, and during this year's annual review we would like to discuss with management your progress in several areas: ERM culture and policies, risk governance, risk control and mitigation processes, strategic risk management, and management of specific risks (e.g., ALM, credit risk, liquidity risk, operational risk, business continuity).

Sincerely,

Otto Gold

Director, Financial Services Rating Bureau

LYON CORPORATION

2024 Kelly Financial Wherewithal Rating™ - Group Level

Based on our opinion of the company's financial strength, it is assigned a **Kelly Financial Wherewithal Rating™ of A**(Excellent). The company's Financial Size Category is Class VIII.

Rating Rationale

Rating Rationale: The financial strength rating for Lyon Corporation reflects the company's strong capital position, reasonable operating performance and the long-term stability of its management. However, profitability has not been as strong as its rating peers, and Lyon Corporation will continue to face challenges as a public company.

Rating History

No history – Initial Group Rating

Business Review

Lyon Corporation began operations in 1911. For most of its history, it has been controlled by the Lyon family. R. Tomas Lyon III is its fourth-generation leader.

Lyon Corporation began as a life insurance company selling innovative term life insurance at very aggressive rates. That continues to be a hallmark of the company today.

The company began to broaden its scope in the 1990's by offering public stock. The Lyon Family originally maintained a majority ownership of the company but has subsequently divested a substantial portion of its shares. The Lyon Corporation is now 30% privately held by the Lyon Family. A holding company structure was put in place. The original life insurance company became Simple Life (SLIC), owned 100% by Lyon Corporation. The Corporation also acquired a health insurance company, AHA Health, early in 2008 and a property and casualty company, Pryde P&C, in 2013. Lyon Corporation became an international group in 2023 with the acquisition of Atlantis-based Helios Insurance Company. All of the subsidiaries are owned 100% by Lyon Corporation.

SLIC has significantly increased its product offerings beyond term insurance and now has a growing SPIA line of business, as well as universal life and variable annuities. However, all of the SLIC products face competitive pressures and likely will require updated features and pricing.

AHA has provided solid results and takes a proactive approach to the health market.

Pryde has made significant improvements to its ERM process that should help protect the company's capital adequacy and reduce earnings volatility.

Helios has shown steady profitability and has provided a reasonable means for Lyon Corporation to gain international experience on a small scale.

Investment operations have not performed especially well on a risk-adjusted basis, particularly during the low interest rate environment of earlier years.

After several years of sluggish growth, Lyon Corporation has set some very aggressive growth targets for the future. The company appears to have the capital to fund this growth internally; however, the plan to actually achieve sales at these levels remains unclear.

Earnings

Lyon Corporation's earnings have benefited over the years from solid product profitability in most lines of business. We expect product earnings to decline in the future as the company attempts to grow its business in a very competitive market. The volatile interest rate environment will also continue to put pressure on earnings.

(in millions of dollars)

Net Op Gain	2021	2022	2023	2024
SLIC	35.2	51.8	58.3	67.9
AHA	113.7	143.9	206.3	294.7
Pryde	53.1	53.2	75.3	83.8
Other	12.2	13.8	14.0	14.2
Total	214.1	262.7	353.8	460.5

* Net Op Gain excludes non-business-related impacts in Net Income, such as realized capital gains and losses.

Capitalization

Capital and surplus within the subsidiaries are quite strong, totaling \$3.4 billion. It appears that the company's excess capital could be deployed more effectively to increase earnings and returns for shareholders. The company's growth strategy may be a means to accomplish this, if implemented appropriately.

We note Lyon Corporation's group-wide ERM initiatives, including efforts to implement economic capital as a measurement tool. We believe this is a strong step in strategically understanding the true underlying risks and risk correlations of the business. We hope to see continued progress across this initiative as it evolves.

We also note that the company continues to operate with minimal long-term debt. While this capital structure can be appropriate for a corporation, in our opinion, Lyon Corporation has not done any evaluation to justify that this is the best structure for the company.

Investments and Liquidity

Lyon Corporation maintains a conservative investment portfolio, based primarily on high-quality investment grade corporates and Treasuries. As a result, default experience in the fixed income portfolio has been very good and can be viewed as much better than insurance industry averages over the most recent years. The portfolio has also provided sufficient liquidity.

We understand that Lyon Corporation is exploring the possibility of moving to more aggressive portfolios for select lines of business by adding high yield and BBB-rated debt securities, as well as equities. This is an area that Kelly will continue to monitor.

Officers

Chairman (Lyon Corporation); Chairman and CEO (SLIC) -- R. Tomas Lyon III
Deputy Chairman of the Board, Co-CEO (Lyon Corporation) – Andrew Lyon
Co-CEO (Lyon Corporation) – Patrick Lyon
Chairman and CEO (AHA Health) – Dr. Jerry Graham
CEO (Pryde) – Ebony James

For information, we include the following summary of the stand-alone ratings of the Lyon subsidiary companies:

SLIC – The most recent rating, determined in 2024, was AA, reflecting the company’s diverse product offerings, moderately strong competitive position, and appropriate risk management processes. Offsetting these positive factors are concerns about increased competitive pressures, which may reduce future profitability.

AHA – The most recent rating, determined in 2024, was A, reflecting the company’s proactive positioning in the health market and aggressive pursuit of growth through sales and potential acquisitions. However, Kelly has concerns about the level of risk that may result from AHA’s strategies.

Pryde – The most recent rating, determined in 2024, was A-, reflecting the company’s adequate capitalization and its nationally recognized position in its core businesses. Partially offsetting these positive factors are the company’s significant adverse reserve development on prior accident years, its dependence on reinsurance, and inconsistent operating results.

4.3 ORSA

Lyon completes an annual ORSA report, as required by various regulatory authorities. The process for the development of the ORSA involves the following:

- Lyon has a dedicated team whose primary responsibility is completing the ORSA report.
- The team is divided into sub-units, each of which focuses on one of the subsidiaries – SLIC, AHA, Pryde, and Helios. The material used from each subsidiary is based on the processes that the subsidiary already has in place, in order to reduce the amount of additional work required.
- A separate subdivision of the ORSA report is prepared for each subsidiary.
- The consolidated report is submitted to the Board as part of its reading package for the March Board meeting.

The ORSA report contains three main sections:

- Description of the Risk Management Framework
- Assessment of Risk Exposures
- Group Risk Capital and Prospective Solvency Assessment

The Executive Summary of the most recent report follows:

“Lyon Corporation has carried out an assessment of all risks that it believes can materially affect its business. Lyon has determined its capital requirements based on its current business plan to be \$3.666 billion as of December 31, 2025. This assessment has been overseen by the Board throughout the process.

“The ORSA process has considered the firm’s strategy and business model in light of its business plans, risk tolerances and capital requirements. No immediate changes are proposed in those areas, although several areas for consideration were identified.

“The ORSA process requires that we consider the effectiveness of our risk assessment, risk management, and capital management processes within the firm.

“This report which follows is a summary of important results from the ORSA.

Excerpt from the Capital Assessment section of Lyon’s ORSA Report:

Lyon determines its capital requirements based on the economic capital process that is already in place within its subsidiary companies.

- *SLIC has an internal economic capital model tailored to its own company-specific risks. Risks are quantified based on a one-year 99.0% VaR measure. The model quantifies exposure to interest rate risk, equity price risk, and credit risk.*
- *AHA uses an internal economic capital model calibrated to an AA financial strength based on Kelly ratings, which is considered equivalent to a one-year 99.0% confidence interval.*

- *Pryde uses an internal economic capital model and defines required capital as the capital necessary to protect Pryde's policyholders to meet all of their claims on a VaR basis with a confidence level of 99.6 percentile.*
- *Helios provides economic capital results based on the requirements of its jurisdiction, Atlantis.*

The ORSA capital requirement for Lyon is equal to the sum of the economic capital requirements reported by the subsidiaries plus a credit risk factor applied to the Lyon Corporate assets.

Excerpts from the Risk Assessment section of Lyon's ORSA Report:

"The acceptance of risk is the primary responsibility of the subsidiary. Risk is first identified, measured and managed at the subsidiary entity level. Diversification across risk types is calculated at the subsidiary level. Risk aggregation to the corporate level is the sum of all subsidiary-level risks by risk category.

"Risks of a less quantifiable nature are currently addressed on an ad hoc basis within each subsidiary's risk management program but are not reflected in their reported economic capital. For instance, while all the subsidiaries recognize that reputational risks arise at both the corporate and subsidiary levels, they believe the impacts to their respective businesses vary significantly. Thus, one subsidiary may only address the risk through risk management processes and controls, while another may explicitly try to estimate it and report it within operational risk required economic capital."

4.4 Corporate ERM Department

Memorandum: To All Lyon and Affiliate Executive Staff
From: Patrick Lyon, Co-CEO
Subject: Corporate ERM Department

The Lyon Corporate Enterprise Risk Management (ERM) Department is led by Alex Katz, Lyon's Chief Risk Officer (CRO). The ERM Department exists within the Treasurer's Division, and Alex reports to Feng Hu, Treasurer. The ERM staff is predominantly made up of actuaries and has expertise in market risk, credit risk, underwriting risk, liquidity risk, and operational risk.

Lyon takes a Three Levels of Defense approach to risk management. The first line of defense lies with the business and process owners who are responsible for maintaining effective internal controls over daily procedures. The second line of defense includes independent risk experts who monitor first line risks and procedures. This line includes the ERM Department and the Compliance Department. The third line of defense, residing with the Internal Audit Department, provides assurance to management and the Board that first and second line efforts are consistent with expectations.

Consistent with the Second Line of Defense, the objectives of the Corporate ERM Department are:

- Establish a consistent ERM process among the Lyon Corporation companies
- Promote a strong risk culture within Lyon Corporation
- Develop a corporate-level Economic Capital modeling process
- Create a risk appetite statement and assess overall risk exposure in relation to risk appetite
- Develop a strategic risk profile in conjunction with the Corporate Strategic Planning Department
- Ensure development of risk remediations for risks exceeding defined limits and tolerances

The ERM Department establishes risk reporting communications that are provided to the management and the Board on a regular basis. The ERM Department has primary responsibility for preparing the communications and reports presented at quarterly Risk Committee meetings. Currently, the Corporate ERM Department regularly gathers subsidiary data and analysis to prepare the following management reports:

- Monthly risk limit report
- Quarterly Risk Dashboard
- Quarterly risk sensitivities (market, credit, underwriting)
- Quarterly market risk summary
- Quarterly credit risk summary
- Quarterly liquidity report
- Quarterly operational risk summary
- Annual ORSA

ERM Initiatives Report

Economic Capital Modeling

The three affiliated companies have provided information on the status of economic capital modeling within their organizations. The statutory and economic balance sheets for each affiliate are independent of each other. The assets assigned to a line of business on an economic basis may not be the same as the assets assigned on the statutory basis.

SLIC

SLIC has implemented an internal economic capital model tailored to its own company-specific risks. The intent is to quantify the risks to the company's net equity (on a market-consistent basis) using a one-year 99.0% Value at Risk (VaR) measure. The model quantifies exposure to interest rate risk, equity price risk, and credit risk. The model targets a total economic capital level that is calibrated to an AA financial strength based on Kelly ratings.

Stochastic scenario testing is supplemented with deterministic scenario-based stress tests, performed annually. Each test is applied as an instantaneous shock to the economic conditions as of the valuation date. Interest rates have a floor of 0.10%. Interest rates are modeled stochastically using a single-factor model calibrated to monthly historical data for 10-year U.S. Treasury yields since 2005. Equity returns are modeled stochastically using a regime-switching lognormal distribution that is calibrated to thirty years of daily S&P 500 equity index returns.

For term, UL, and SPIA products, a traditional actuarial approach is used to estimate the economic reserves and revalue them under different interest rate scenarios in the VaR calculation.

For the VA and its GMAB and GMWB, the VaR is calculated with liabilities net of hedging assets and derivatives. Implied volatility is derived from current exchange-traded 10-year at-the-money equity puts. As an approximation, the test assumes expiring derivatives can be replaced with current at-the-money instruments.

For credit risk, the model assumes that existing investment grade fixed income assets are sold immediately if they fall below investment grade. Therefore, the company does not quantify the probability of default or the loss given default. Credit risk is modeled through the stochastic simulation of credit ratings migration. The calibration uses ten years of historical data for corporate bond ratings migrations and yield spreads. Since the company has a general buy and hold investment strategy, credit spreads are only considered to be a risk factor if and when investment grade assets are downgraded below investment grade. SLIC calculates the risk of fluctuations in market value due to credit spread movements in the absence of ratings downgrades but excludes the results since its statutory surplus is based upon asset book value and it has a general buy and hold investment strategy.

For each insurance risk (e.g., mortality, longevity, lapse):

- The economic balance sheet is recalculated using the stressed assumption (with the other risks at the baseline assumptions)

- The required economic capital for that risk equals the decrease in economic surplus as a result of that stress

At this point, the Company does not have an operational risk model and, therefore, operational risk is estimated to be 10% of the fair value of liabilities, whose calculation excludes any provisions for this risk.

Procedurally, the economic capital for each risk is calculated for each line of business; these values are then aggregated for that line of business using a correlation matrix derived from the prior ten years of market movements. All negative correlations are floored at zero. Operational risks are assumed to have zero correlation with other factors. The economic capital for each product line is then summed to get SLIC's total economic capital.

AHA

AHA uses an internal economic capital model. The model targets a total economic capital level that is calibrated to an AA financial strength based on Kelly ratings. AHA defines the model economic capital required as being the capital required to protect AHA's policyholders in order to meet all of their claims with a confidence level of 99.0 percent over a one-year time horizon.

AHA invests in liquid, highly rated bonds with asset/liability matching to support their health liabilities. The investment returns are sufficient to support the company's pricing.

Pryde

The ERM team created an internal economic capital model with help from the actuarial department and outside consultants.

Pryde utilizes a software product called CapitalSim that is a stochastic simulation tool that generates a one-year financial statement. The software has been around for 20 years and has specific application to insurance products.

The Economic Capital balance sheet is based on the market value of assets and liabilities calculated on a GAAP basis rather than a statutory basis. Individual large claims and catastrophe events are simulated by the model and the appropriate reinsurance terms are applied to each event. Lines of business are correlated using a Student's t copula. CapitalSim utilizes a built-in economic scenario generator that provides distributions around interest rates, spreads, inflation, and other economic variables.

Pryde defines required capital as the capital necessary to protect Pryde's policyholders to meet all their claims on a VaR basis at the 99.6 percentile over a one-year time horizon. Pryde uses 100,000 simulation results to estimate the amount of required capital.

Pryde allocates capital to lines and products using a Co-CTE approach on modeled GAAP equity at the 99.0 percentile using the outputs from the economic capital model over a one-year horizon. Risk adjusted return on capital (RAROC) is calculated for each line and product using expected net income after tax divided by the required economic capital allocated for each segment.

Strategic Risk Analysis

Risk Appetite

Lyon recognizes that it will take on certain business risks in an informed and proactive manner, such that the level of risk is aligned with its strategic business objectives. Lyon's most important strategic objectives include:

- Maintaining a stable dividend on its stock, which is dependent upon consistent dividends from its subsidiaries
- Maintaining financial flexibility, which is dependent on being able to issue debt at a reasonable cost
- Maintaining positive brand recognition and its current reputation as a responsible corporate citizen

Using these strategic objectives, as well as industry norms, the company has drafted the following **Risk Tolerances** statements:

Insurance Risk - Lyon cannot suffer more than a \$400 million increase in required Economic Capital for a 1-in-200-year event due to insurance risk.

Liquidity Risk – Lyon needs to maintain a liquidity level to meet payment requirements for a 1-in-200-year event for a continuing period of three months.

Market Risk - Lyon cannot suffer more than a 10% decrease in economic available capital due to market risk for a 1-in-200-year event.

Credit Ratings - Lyon needs to maintain or improve its "A" Kelly rating.

Lyon's risk management process is designed to facilitate management's regular review of current risk exposures against Lyon's risk tolerances. Any risk with the potential to have a material impact on shareholder value will be included within the scope of the risk management process. The Board will, on a regular basis, review and approve Lyon's risk appetite.

Risk Diversification – Internal Memorandum

Date: August 25, 2026

Subject: Diversification Benefits

To: R. Tomas Lyons, Chairman
Patrick Lyon, Co-CEO

From: Andrew Lyon, Deputy Chairman and Co-CEO

As you know, I have been focused on our rating agency and regulatory relations. We have been maintaining our ratings and a sufficient capital position, but it has become increasingly challenging as we enter into new products and initiatives.

Both Kelly, our primary rating agency, and the regulators who review our ORSA, allow for reduced capital charges based on diversification benefits. We have emphasized simplicity in determining our capital, but it is time to look at how our diversified subsidiaries and products could result in an improvement in our capital level.

Can we agree on convening a task force to focus on this issue?

AI Tool – Internal Memorandum

To: ERM Department Executives

From: Alex Katz, Lyon CRO

Date: November 1, 2026

Subject: Booster AI tool

ERM Department leadership recently met with Alpha Tech, the developer of Booster, a new AI tool increasingly being used by our competitors to automate various insurance functions.

Booster allows companies to speed up the underwriting of life insurance, annuity, health and P&C policy applications. It also includes a Chatbot, a conversational agent based on generative AI, that can settle insurance claims and respond to inquiries by customers. I could see this product being used for our proposed AUW term product, the proposed MYGA, SLIC's existing SPIA, and potentially for products at the other Lyon companies.

Alpha Tech provided the following marketing information:

Potential Uses

- Automating underwriting – replaces manual review of every application and provides instant decision making
- Collecting and validating the online information provided by prospective clients and agents, thus speeding up the administrative process
- Allows an increase in the automatic underwriting limits to many millions without human intervention
- In the health business, it could underwrite new individual and group policies more automatically and with a faster turnaround, although information is more difficult to obtain and is changing due to new regulations
- With client agreement, it can continuously monitor life and health statuses and driving records
- Chatbot is accessible 24 hours a day, 7 days a week. It 'understands' the context of each client's inquiry and responds instantaneously to clients' inquiries in different languages.

Underlying Data

- Relies on externally developed mortality, survival, lapse rates, health data and P&C claims, combined with internal data
- Medical: private health records, prescription drug data, medical claims, lab results
- Non-Medical: MIB insurance data, Motor vehicle, criminal history, other public records, credit bureau data

- Miscellaneous: utility bills, rental leases, social media posts, wearable devices data, public data such as divorces and marriages

Results:

Alpha Tech claims that preliminary results by early adopters show an increase of 50% in take-up rates and a 25% increase in value of business. Decisions are made in 10 minutes for 50% of proposals. 75% of policies were purchased within the next 7 days.

Processing:

Booster uses natural language processing (NLP). This feature translates free text responses in medical terminology, to be able to map clients' responses to clinical medical information. For example, Booster can decide by itself, based on pre-programmed decision making, whether any statement provided by a potential client or agent is relevant or not for the underwriting of risk. The same applies to fraud as it can assess the veracity of clients' responses.

Booster combines different and widely available data sources. It relates hard data, personal, lifestyle, and building data to establish a risk profile.

Caveats:

We need to keep in mind that Booster is a black box, so we would not have access to the underlying coding.

Booster has not been verified as to its compliance with state insurance laws on protected classes, nor do we know what goes on in the black box.

Next Steps:

I'm excited about using Booster to modernize our processes and bring about a dramatic increase in new sales. We will be convening a fast-track working group to explore the possibilities for Lyon.

Cybersecurity

In light of recent highly publicized information security breaches, the Lyon Board has mandated the Corporate Security Department to implement a cybersecurity program. This initiative is a top priority for senior management, and they have been keen to extend their risk management culture to encompass information security as well.

PRYDE Data Breach – E-mail Correspondence

Date: October 24, 2025
To: Patrick Lyon, Co-CEO
From: Archie Daniels, CFO, Pryde

Patrick,

I felt I should make you aware of a potential problem that's just come up at Pryde. I'm forwarding a copy of the note I just sent to Jane Williams. I'll certainly keep you informed of the steps we're taking to address this. We need to invest more in Security because cyber-attacks are becoming more sophisticated using AI tools.

Sincerely,

Archie

Date: October 24, 2025
Subject: Customer Data Integrity
To: Jane Williams, VP Operations, Pryde
From: Archie Daniels, CFO, Pryde

Jane,

I'm extremely concerned about the data breach that occurred this week in our workers compensation line customer data base. You're aware that there are both serious financial implications for Pryde and sensitive public relations issues as a result.

Your team needs to get on top of this right away –

- What was the cause of this breach?
- How was the problem found?
- What do we need to do at this point to address the immediate problems resulting from the breach?
- How do we mitigate the risk of this situation occurring again in the future?
- What are the deductible and limits of our cyber insurance policy?

Business Continuity Planning – E-mail Correspondence

To: R. Tomas Lyon, Chairman

From: Patrick Lyon, Co-CEO

Date: May 25, 2026

Tomas,

You asked me to deal with the request from Kelly Ratings for a copy of our Business Continuity Plan.

As I think you're aware, Lyon Corporation doesn't have a complete plan that covers all of our subsidiaries. But I talked with Ted Gato in our IT department to see what they have in place. He said that they have nightly backups of all our electronic data, so if something happened to our system, they could get our data restored without losing more than one day of work. We've also contracted recently with DataShield to protect us against cybersecurity attacks.

I'm including with this note a memo from Ted that provides more details.

In summary, I think we're in pretty good shape! We'll just write something up for Kelly Ratings.

Patrick

Forwarding e-mail from Lyon IT Department

To: Patrick Lyon, Co-CEO

From: Ted Gato, Head of IT

Date: May 20, 2026

The IT department has a disaster recovery plan in place that addresses technical recovery actions to be taken in the event of a significant disruption.

Our recovery plan addresses damage (physical or electronic) to the following areas:

- Computer room environment – includes routers, firewalls, network switches, cabling panels, servers, and network storage
- Office hardware – desktops, laptops, peripherals, and printers
- Connectivity – to external service providers for internet and communication systems
- Software applications – business systems, email, and office productivity
- Database systems – supporting business systems and reporting functions

We maintain a systems inventory of both software and hardware for all departments and employees to facilitate the recovery process.

In the event of wide-spread damage to the corporate office's physical space, we have space available to us at SLIC's offices across town. We have enough extra desktop computers stored there for use by key employees to continue our core operations for a brief period of time, as well as a handful of laptops we could provide. Obviously, there isn't enough space or equipment for all of our employees there, but it is enough for one or two from each department.

SLIC Accelerated Underwriting – E-mail Correspondence

From: William Xu, SVP, SLIC

To: Henri Jay, EVP, SLIC

Date: November 15, 2025

I was thinking about adding an Accelerated Underwriting (AUW) term product to our term product line-up. AUW appeals to many potential clients by making it easier for folks in good health and with strong credit to obtain term life insurance, without having to go through the hassle of invasive UW techniques or the delays in receiving doctor statements and medical tests. AUW is a very popular product in the industry right now.

I believe AUW can lower our underwriting costs and allow us to obtain previously unavailable policyholder information.

As you know, recent high inflation has increased our traditional underwriting costs related to physical exams and fluid tests. Our Simplified Issue (SI) line addresses some of the cost and policyholder dissatisfaction concerns, but the mortality expectations are higher and available face amounts are lower.

With AUW products, in addition to information provided on the application, sources such as credit reports, prescription drug histories, and motor vehicle records can be used in conjunction with predictive analytics and models to better understand mortality risk profiles. While experience is somewhat light and models are evolving, I think we should consider developing such models to price our business in the near future.

I've already reached out to some third-party data vendors that support this industry's growth to provide proxies for our experience, so that we can build out these models. I've even read where we can use Artificial Intelligence to find additional personal information about potential policyholders that we could use to feed these models, such as scouring social media for risky behaviors.

I expect our underwriting system to be robust, and as such, do not expect to have to limit the death benefit requested. However, to be safe, we may want to find a reinsurance partner to cover the excess of our desired retention level.

I'd appreciate your thoughts on this approach.

Sincerely,

William

SLIC MYGA Proposal – Memorandum

To: Pierre LeGrouse, Chief Financial Officer, SLIC
Odette Inyoni, Chief Actuary, SLIC

From: Mingmei Crane, AVP and Actuary, Life and Annuity Products

Date: October 20, 2026

Subject: Proposed 5-Year MYGA Product - Financial and Risk Considerations

1. Purpose and Background

This memorandum introduces a proposed 5-Year Multi-Year Guaranteed Annuity (MYGA-5) for our product portfolio. The goal is to assess potential profitability alongside the new and amplified risks this product introduces, particularly those risks that are less prominent in our current business lines. These include lapse behavior, investment risks, and asset-liability management (ALM) challenges.

Additional MYGA periods (e.g., 3-Year, 7-Year) can be considered if this analysis proves positive.

2. MYGA Product Overview

- MYGAs are single premium fixed deferred annuities offering a guaranteed interest rate over a multi-year period. For my analysis I have assumed a 5.95% guarantee in the current economic environment over a five year period, renewable to age 95 in subsequent 5-year periods. Guaranteed crediting rates for the subsequent 5-year renewal periods are set and communicated just prior to the end of the current 5-year period. It is expected that these renewal crediting rates will be lower than the rates available for new product offerings at that time in order to increase profitability by leveraging the customer loyalty that is expected to be built by strong customer service.
- The Account Value is the initial deposit plus accrued interest, which is credited daily.
- Full surrenders and partial withdrawals beyond a specified threshold incur surrender charges, which reduce 1% annually from 9% of the deposit at issue to zero after 10 years. Thus, the product's Cash Surrender Value is the Account Value less surrender charges. The surrender charge is temporarily waived after the renewal crediting rate is communicated for the second 5-year period, allowing the contractholder to make a penalty-free decision at that time. In the event of death, the full account value is immediately paid out to the annuitant's beneficiary.
- One feature that we will need to consider is whether to include a market value adjustment (MVA), which can be used to transfer some of our market risk to the

contractholder via adjustments to partial withdrawal and full surrender benefits. We're currently considering the following adjustment formula:

$$MVA = \left(\frac{1+i}{1+j} \right)^N - 1$$

Where i is the interest rate at the beginning of the guaranteed interest rate period, and j and N are the interest rate and remaining time left in the guarantee period, respectively, at the time the withdrawal or surrender takes place.

This adjustment algorithm approximates the capital gain for supporting assets that may need to be sold to generate the funds to pay these benefits. For a 5-year MYGA, the interest rates in this formula (i and j) are proxied by the 5-year UST.

- Commissions paid to brokers and agents are expected to average 5% of the initial deposit. The base commission rate would be less than 5%, but bonuses are expected to be paid for higher producers.
- The product should attract customers preferring protection of principal and predictable returns over other investments offering higher expected returns but with increased volatility, including potential loss of principal. However, the market for this product is competitive; customers are generally older and financially savvy; they continuously monitor the market offerings for this product and its alternatives.

3. Key Assumptions and Projection Highlights

- The average investment earnings rate over the pricing period is assumed to be 8.00%, with a target spread of 2.05% above the assumed guaranteed crediting rate of 5.95%.
- Since this product is new, best estimate assumptions are derived from our variable annuity product's experience. These assumptions include mortality, mortality improvement, full surrenders, partial withdrawals, and maintenance expenses.
- Sales are expected to increase uniformly from \$100M in the product's inaugural year to \$300M in three years.
- Reserves are the present value of future disbursements and expenses, where:
 - Best estimate assumptions are adjusted by a margin for adverse experience. The direction and magnitude of this margin is determined using actuarial judgment and must be supportable to regulators and auditors.

- Discount rates are the company's expected average investment earnings rate, reduced for volatility and liquidity risks as determined using actuarial judgment.
- Required capital is a function of reserve levels, asset characteristics (e.g., credit quality, liquidity, market sensitivity), and liability characteristics (e.g., market sensitivity and product features).
- The product's distributable earnings (i.e., profits after reflecting capital impacts) are negative in its first year due to commission payments and setting up initial reserves and capital but become positive as investment spread earnings are realized.

4. New and Amplified Risk Exposures

Investment Risk and Yield Pursuit

To compete in the MYGA market and achieve the aggressive assumed yields, we may need to invest in asset classes utilized by potential competitors that are not currently part of our portfolio. These include private credit instruments and structured credit assets, such as collateralized loan obligations (CLOs), private placements, and asset-backed loans.

While these asset classes can enhance earnings, they may bring new investment risks including:

- Increased illiquidity
- Valuation uncertainty
- Lack of transparency
- Heightened and growing regulatory and supervisory scrutiny

Asset-Liability Management (ALM)

Effective ALM will be essential to manage economic risks such as reinvestment, duration mismatch, and liquidity risk, but also for cost of capital considerations via reserve and capital levels.

Contractholder Behavior Risks

Profitability and the cost of capital via reserves and capital levels are sensitive to contractholder optionality, including partial withdrawal and surrender benefits utilization.

Expense Management

Profitability and the cost of capital via reserves and capital levels are sensitive to minimizing expenses. However, stakeholders such as customers, regulators, and auditors may express concerns with overly minimal governance, resources and processes.

5. Conclusion

MYGAs represent an attractive growth opportunity for diversification and revenue, but entering this market will require careful risk management to address new investment risks, business capital needs, and lapse behaviors not present in current lines. Prudent execution, disciplined ALM, and governance enhancements will be vital for successful implementation.

Appendix – MYGA Financial Projection

In \$000	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8
Income Statement								
Premium	100,000	200,000	300,000	300,000	300,000	300,000	300,000	300,000
Commissions	(3,500)	(7,000)	(10,500)	(10,500)	(10,500)	(11,438)	(12,376)	(13,314)
Expenses	(474)	(1,024)	(1,650)	(1,876)	(2,102)	(2,289)	(2,439)	(2,550)
Benefits								
Death	(956)	(2,994)	(6,233)	(9,841)	(13,828)	(17,384)	(20,453)	(22,984)
Partial withdrawals	-	(1,847)	(5,684)	(11,738)	(18,220)	(23,960)	(28,647)	(32,236)
Surrender	(427)	(1,786)	(5,059)	(9,934)	(15,933)	(74,701)	(132,435)	(189,116)
Change in actuarial reserve	98,638	199,884	302,627	307,847	311,426	259,439	206,634	153,075
Investment inc on cashflow & res	7,425	22,558	45,560	69,104	92,987	112,912	128,797	140,579
Corporate tax on cashflow & res	(2,348)	(4,949)	(7,792)	(8,526)	(9,246)	(8,956)	(8,556)	(8,045)
Profit on cashflow & reserve	1,081	3,075	6,016	8,842	11,732	14,745	17,257	19,259
Change in required surplus	15,786	23,337	31,001	22,962	23,229	19,351	15,413	11,418
Invest inc on req surp	1,104	2,838	5,160	6,971	8,753	10,266	11,477	12,382
Corporate tax on invest inc on req surp	(232)	(596)	(1,084)	(1,464)	(1,838)	(2,156)	(2,410)	(2,600)
Distributable Earnings	(13,832)	(18,020)	(20,908)	(8,613)	(4,581)	3,504	10,911	17,623
Balance Sheet								
Total Assets	114,424	337,645	671,273	1,002,083	1,336,737	1,615,528	1,837,574	2,002,067
Simplified VM22 Reserve	98,638	298,522	601,150	908,997	1,220,423	1,479,862	1,686,496	1,839,571
Surplus	15,786	39,123	70,124	93,086	116,315	135,666	151,079	162,496
Liabilities + Surplus	114,424	337,645	671,273	1,002,083	1,336,737	1,615,528	1,837,574	2,002,067

SLIC Product Proposal – E-mail Correspondence

From: Lou Condor, VP, SPIA
Danielle Wolfe, VP and Chief Marketing Officer
To: Henri Jay, EVP, SLIC
Date: March 20, 2026

Danielle and I have been brainstorming, and we think there's a way to expand our SPIA line organically. The pension risk transfer (PRT) business has been booming in our industry. To put it simply, group annuities are sold to companies wishing to defease their pension liabilities. The individual annuity certificates underlying the group annuity contract cover individual employee retirees, or future retirees in the event they haven't yet retired or otherwise qualified for pension benefits.

The companies buying these annuities can range from industrial manufacturing companies to white collar technology service firms. The contract size can vary significantly both in terms of the number of employees for a given group contract and the level of the individual retiree liabilities. Our recently enhanced investment strategy for the SPIA line, with increased exposure to higher yielding and more sophisticated asset structures, should position us well to also be competitive in this market.

I feel that we can use the mortality / longevity experience from our SPIA LOB to approximate mortality assumptions for this block of business, since we really can't rely upon the client company to provide credible mortality experience.

Danielle and I feel that this product can significantly increase assets under management (AUM), especially if we can sell some large cases.

We would have to decide whether we want to pursue only the market where all liabilities are immediate in nature (i.e., pension benefits have already begun), or if we want to also go after companies that have both retirees and deferred participants (i.e., future retirees).

Operational Risk Measurement Refinement Initiative – E-mail Correspondence

Date: March 25, 2026
To: Pierre LeGrouse, CFO, SLIC
Steve Crowe, CRO, SLIC
From: Jamal Robinson, VP and Actuary – Operational Risk Management
Subject: Op Risk Measurement Refinement

I have started a project to investigate holding operational risk required economic capital calculated based on first principles, instead of our current approach of holding 10% of the fair value of liabilities. I feel that our current approach leads to an overly conservative amount that can be justifiably reduced with a more accurate calculation.

That means we need to be able to model both frequency and severity for potential operational risk events. I suggest that we start by developing capital calculation methodologies for the following common operational risk events before expanding the analysis more broadly.

- 1) Theft of policyholder information by a hacker
- 2) IT systems failure for one day or longer
- 3) Internal fraud
- 4) Office shutdown due to weather-related event
- 5) Model Risk (specifically, modeling errors)

To develop our models, I think we can use SLIC internal data in conjunction with financial services industry studies, as well as insurance industry payouts for some of these risks. After starting to dig into the data, here are some preliminary observations about these risks:

The frequency distributions for these different risks vary considerably, so it may not be appropriate to model them all the same way. Risks 3) and 5) both have average frequencies that are greater than their variances. Risk 4) has the same mean and variance for its frequency distribution. Finally, Risks 1) and 2) have frequency distribution variances that are greater than their means.

Regarding severity, for some of these risk events we were lucky to have multiple external data sources that we could piece together (e.g., both General Insurance and Life Insurance model error events). Also, some of these external data sources have events that would not be likely for our insurance operation, so I had these events carved out of the data. Finally, I made adjustments to the severity data to account for the differences in size between our company and the companies in the study. After these modifications to the raw data, we then used a Maximum Likelihood Estimation (MLE) technique to find and fit an appropriate distribution for this data for each risk.

The above of course is just a start, and our approach may need to change as we get further into the details. However, I wanted to invite any thoughts you have at this stage.

Climate Change Risk – E-mail Correspondence

Date: December 5, 2025
Subject: Climate Change Risk
To: Jane Williams, VP Operations, Pryde
From: Jim Peters, CRO, Pryde

Jane,

Over the last ten years Pryde has experienced more frequent and larger property claim losses from hurricane events. This is the same trend that has been reported in the P&C industry for property lines. There was an increase in Hurricane risk for Pryde as measured by the 1 in 250 PML (Probable Maximum Loss) based on our catastrophe model results over the two years.

Climate change has been identified as a major risk by a several industry surveys. The NAIC is giving greater attention to climate change risk, as evidenced by the annual Climate survey required by various states.

I am concerned about the extent to which climate change could be impacting our property loss results.

I recommend that we create new risk monitors to capture concentrations of property accounts with wind coverage in catastrophe prone areas:

- One monitor could be the amount of total property insured values within a 20-mile radius for any location.
- Another monitor could be the 1 in 100 PML by zip code in coastal states.

Once we agree on the monitors, we can create risk targets and hs to help prevent our concentrations from expanding beyond our risk appetite.

We should also explore ways to modify our existing property catastrophe reinsurance to better protect our capital and earnings from climate change. Before our next reinsurance renewal, let's discuss alternative property catastrophe reinsurance structures.

There is another related issue. Over the last year we have experienced dramatic increases in property catastrophe reinsurance costs. Is our pricing adequate on our primary catastrophe exposed property business to cover the increase in costs identified by our reinsurers?

I'll set up a meeting to discuss these items.

Jim

AHA Contingent Compensation Program for Brokers – E-mail Correspondence

Date: January 24, 2026

To: Patrick Lyon, Co-CEO

From: Jean Manx, Lyon Risk Manager

You asked me to get further information on the new compensation program that AHA intends to put in place for the brokers. I learned the following from AHA:

For brokers, AHA has implemented a set of contingent compensation agreements to provide for payment when the broker achieves pre-set goals for: (i) volume and (ii) growth and retention. A broker may have separate contingent compensation plans with our different business units. AHA will evaluate performance against pre-set goals annually. If the broker has met the goals, the payment amount is usually a percentage of the premium a broker has placed with us for specific types of insurance. The sales department will monitor this system.

The contingent compensation plan will use one or more goals, separately or in combination, to determine if a broker will receive a payment. These goals may include:

Volume

AHA will measure the premium volume of policies a broker places with us. We may measure one or more types of insurance.

Growth and Retention

AHA will measure whether the amount of business a broker has with us is increasing or decreasing. We may look at change in premium volume, change in the actual number of policies, number of newly written policies, policy-renewal ratios, or a combination of these. These calculations may vary by type of insurance.

Profitability has been excluded from the plan due to the timing difficulties of measuring profitability by case in the year of the sale.

Patrick, please let me know if you have any concerns or want me to do further follow-up.

Merger and Acquisition – E-mail Correspondence

From: Feng Hu, Treasurer

To: Laila Lynx, CFO

Date: March 20, 2026

Laila,

You are aware of Lyon Corporation's policy on acquisitions by our subsidiaries. We allow the affiliates to pursue potential acquisitions if they are supported by the affiliate business plan approved by the Lyon Board. I've become aware of certain activity occurring within AHA, and I think we need to keep ourselves informed of how their potential transaction is progressing.

The Lyon Board has three overarching principles for approval of any acquisition identified by the affiliates:

1. The acquisition should be strategic to the affiliate.
2. The acquisition should provide clearly identifiable benefits.
3. The risks involved in the integration must be clearly identified, along with appropriate risk management responses to be taken.

I'm not sure that AHA is appropriately focused on these principles.

I have obtained the following summaries from Neisha Kampango, the AHA CFO. I'd appreciate it if you could make sure she keeps you up to date on AHA's progress.

Potential Acquisition

Currently, AHA has targeted Eureka Insurance Company (Eureka), a health insurance company, as a potential acquisition target. Eureka is domiciled in New York and is in the small and large group medical markets in the state of New York. About 40% of Eureka's large group premium represents employer groups with fewer than 101 employees.

Eureka's products include comprehensive major medical coverage of hospital services, physician services, dental services, and prescription drugs. Dental is offered as an additional benefit on medical.

Eureka has contracted with Networks 'R Us to use their provider networks for physician and hospital services. It also has contracts with Carefree Rx, a Prescription Benefit Management company (PBM), and Painless Dental to manage and administer their prescription drug and dental plans, respectively. In order to lower costs, it periodically puts its network contracts out to bid. While this may lower premiums, it has been disruptive to members in the past.

Eureka relies on its vendors for standard medical claims management. The company has a medical management staff that coordinates with the vendors' medical managers to ensure that

the vendors meet New York requirements and that their policies are consistent with the Eureka product language.

Compared to AHA, the management of Eureka appears to be more conservative. However, since their company covers the entire state of New York, they have experience dealing in diverse markets (rural to cosmopolitan).

According to Neisha, due diligence related to the potential acquisition identified certain key issues that need closer review:

1. Determine whether the Eureka administration system, which is a home-grown system, is compatible with AHA's system.
2. Ensure that the policy and claims reserves at Eureka are adequate and that the underlying assumptions and calculations are reasonable.
3. Understand why the broker and administrative costs are higher than expected.

Two years of historical financial statements and a one-year projection for Eureka are attached at the end of this report, as well as an internal memo from the manager Neisha assigned to oversee this project. AHA would value the acquisition of Eureka at a hurdle rate of 10%.

Attachment I: Eureka Financial Statements

2024 – 2025 are actual results; 2026 is projected

TOTAL	2024	2025	2026
Statutory Income Statement (000s)			
Earned Premiums	1,449,283	1,460,556	1,472,408
Health benefits	1,209,507	1,198,706	1,217,317
General expenses	269,862	270,152	273,353
Total Expenses	1,479,370	1,468,859	1,490,670
 Investment Income	 7,501	 7,618	 8,068
 Income Before Income Tax	 (22,585)	 (685)	 (10,194)
Federal Income Tax	(6,324)	(192)	(2,854)
Net Income	(16,261)	(493)	(7,340)
 Statutory Balance Sheet (000s)			
Total Assets	363,091	366,654	361,293
 Liability for unpaid claims and claim adjustment expenses	155,798	160,661	161,965
Other Liabilities	84,058	83,252	83,927
Total Liabilities	239,856	243,913	245,892
 Surplus	 123,235	 122,741	 115,401
 Total Liabilities and Surplus	 363,091	 366,654	 361,293

Attachment II: Project Manager Memo – Eureka Acquisition

Date: March 15, 2026

Subject: Eureka Acquisition

To: Neisha Kampango, CFO, AHA

From: Sue Mahi, MBA, Project Manager, AHA

I have been working with our consultant and broker on this project and I believe it is an important and exciting opportunity for our organization. Our consultant's actuaries and financial folks asked that I pass along several minor details that they have found while digging around in the publicly available data and financials. They say they need to look at these areas more closely during due diligence.

- They think the medical loss ratio is low.
- Broker fees and administrative costs are a bit high.
- Low surplus backed by illiquid assets.

None of these items are insurmountable, especially considering our financial strength and marketing expertise. As a result, I do not see any deal breakers here.

Again, I cannot stress enough the fact that this is an important and exciting opportunity.