Captives: A View from the Ground Up

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48TH CONFERENCE & EXPO

Cast of Characters



Janet Selby, NBSIA/NBIG



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Agenda

Captive Basics

Investment Considerations

Captive Costs

Cost/Benefit Analysis

Implementation



The Law of Averages

"Future events are likely to balance any past deviation from a presumed average."

- \rightarrow Seldom will a year ever equal the average...
- → Some years results will be above average and others below average, so the tend to balance everything towards the average...
- e.g. An actuary, an investment advisor, and two pool managers play a game of darts...



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What is a Captive?

- What Is A Captive Insurance Company?
- Examples Of Captive Operations
 - $CSAC EIA (PRISM) \rightarrow EIO (ARC)$
 - University of California
 - ACWA, NBSIA, ASCIP, SDRMA
 - Montana Schools and Cities Pools
 - Nevada Pools



North Bay Insurance Group

Parent Organization: North Bay Schools Insurance Authority

Captive: North Bay Insurance Group

- Established: July 1, 2019
- Portfolio size: \$15 million
- > What's in the captive:
 - Go forward losses (starting in 19/20)
 - Loss portfolio transfer 1/1/2022 (all outstanding losses)
 - Lines of coverage: Workers' Comp





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California Water Insurance Fund

Parent Organization: Association of California Water Agencies JPIA

Captive: California Water Insurance Fund

- Established: January 1, 2019
- Portfolio size: \$120 million
- > What's in the captive:
 - Go forward (starting in 19/20)
 - Lines of coverage: Liability and Workers' Comp





California Water Insurance Fund

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Why Use a Captive?

- Very Similar to Self-Insurance Model
 - Just a new way of doing the same thing you already do!
- Benefits of Captive
 - Flexibility in Coverage Options
 - Flexibility in Investments
 - Access to Reinsurance Markets
 - Low Regulation



Organizational Structure

- Organizational Structure Of A Captive
 - Stock Company
 - Mutual Company
 - Reciprocal
 - Not-for-profit (Typical Structure)
- Domicile For Captive Insurance Company
 - Many States are Potential Domiciles
 - Typically Utah (Low Cost, Experienced with Public Entity Captives)



Captive Management

- The primary function of a Captive Manager is to perform accounting and administration
 - Similar to accounting function performed by existing pool staff, but additional set of books to keep
 - Additional meetings and agendas to prepare
 - Completing annual report to state



Legal Counsel

- Local Legal Counsel is needed to:
 - Draw up original documents
 - Articles of incorporation and By Laws
 - IRS Sign-off for organizational structure
 - File documents with the insurance regulator and secretary of state
 - Retain for ongoing legal support
 - Attend annual captive meeting in state of domicile



Exposures

- Which Exposures Do We Place in the Captive?
 - All Years
 - Future Years (Baby Step)
 - Layers of Coverage (e.g., 3M x 2M)
 - Loss Portfolio Transfer



Inflation

It's Not That Bad...Is It??



Prices Are High



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But...Some Prices Are Decreasing



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Emphasize Stability





Put a Positive Spin on Increases



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Investment Return

- One reason for considering a captive structure is flexibility in investments
- CA code requires bond only investment portfolio
- Current bond portfolio investment return expected to be less than 2% on average
 - Falling behind inflation!



Captives Provide an Opportunity to Expand the Investment Universe

		Investment Authority
	U.S. Treasuries	CA Gov't Code
	Federal Agencies	CA Gov't Code
	Municipal Securities	CA Gov't Code
_ =	Negotiable Certificates of Deposit	CA Gov't Code
Cor	Prime Commercial Paper	CA Gov't Code
ed I	Bankers' Acceptances	CA Gov't Code
ntic	Medium-Term Corporate Bonds ("A" or Better)	CA Gov't Code
ona	Asset-Backed Securities (ABS)	CA Gov't Code
	Supranationals ("AA" or better)	CA Gov't Code
	Repurchase Agreements	CA Gov't Code
	Money Market Funds	CA Gov't Code
	Local Government Investment Pools	CA Gov't Code
	Foreign Sovereign/Agencies	Captive
_	Non-Agency MBS	Captive
Fix n	BBB and High-Yield	Captive
and I	Private Placements	Captive
ade	Convertibles	Captive
n	Emerging Markets Debt	Captive
	Non-U.S. Dollar Investment Grade	Captive
	Bank Loans	Captive
	Domestic Equities (Large Cap, Mid Cap, Small Cap)	Captive
Б	International Equities (Large Cap, Mid Cap, Small Cap)	Captive
uiti	Emerging Markets	Captive
es	Preferred Stock	Captive
	Equity Mutual Funds and ETFs	Captive
Alt	Commodities	Captive
ern	Real Estate	Captive
ativ	Hedge Funds	Captive
/es	Private Equity	Captive

A Comparison of Investment Strategies: Historic Growth



Source: Investment Metrics

Expected	Return	(%)
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	Intermediate Term (5 years)	Long Term (30 years)
U.S. Equity	7.2	7.6
U.S. Small Cap	8.8	8.0
Developed ex-U.S.	7.5	7.3
Emerging Markets	7.5	7.7

Equities

Fixed	Income	

Short Bonds	-0.1	3.0
Core Bonds	-0.9	3.9
Int IG Corporates	0.1	3.9
High-Yield Corporates	2.4	5.0

Alternatives

Commodities	2.8	4.2
REITS	6.3	6.6

Accessing Expanded Investment Universe Increases Return and Risk

	CA Code	PFMAM 30/70 Model	PFMAM 40/60 Model	PFMAM 50/50 Model	PFMAM 60/40 Model
Equity	0.0%	30.0%	40.0%	50.0%	60.0%
Domestic Equity	0.0%	20.0%	26.0%	33.0%	39.0%
International Developed Equity	0.0%	7.0%	10.0%	12.0%	15.0%
Emerging Markets Equity	0.0%	3.0%	4.0%	5.0%	6.0%
Fixed Income	100.0%	70.0%	60.0%	50.0%	40.0%
Core Fixed Income	0.0%	35.0%	30.0%	25.0%	20.0%
Short-Term Fixed Income	100.0%	0.0%	0.0%	0.0%	0.0%
Investment Grade Corporate	0.0%	17.5%	15.0%	12.5%	10.0%
Emerging Markets Debt	0.0%	8.8%	7.5%	6.3%	5.0%
High Yield	0.0%	8.8%	7.5%	6.3%	5.0%

Intermediate-Term Assumption (5 Years)						
Expected Return	-0.1%	2.7%	3.5%	4.2%	4.9%	
Standard Deviation	3.0%	7.3%	8.3%	9.4%	10.6%	
Long-Term Assumption (30 Years)						
Expected Return	3.0%	5.5%	5.9%	6.3%	6.6%	
Standard Deviation	3.0%	7.3%	8.3%	9.4%	10.6%	

Source: CA Code Portfolio represents a diversified, high-quality 1- to 5-year portfolio in compliance with the requirements of the California Government Code.

Return Projections Based on Intermediate-Term Capital Market Assumptions



About Investment Options...

- Including stocks in the investment portfolio increases the <u>expected investment return</u> by 2% - 5%
- Including stocks in the investment portfolio also increases the <u>risk</u>
- Returns will be more volatile from year to year, but historically, a mix of bonds and stocks has generated a larger return in the long run.

 \rightarrow This is a long-term option, not short-term!



Feasibility Study

The first step in the exploratory process is to perform a feasibility study

- Options for state of domicile
- Options for captive exposure
- Actuarial analysis of losses
- Estimation of captive costs
- Cost/benefit analysis



Captive Costs



	Start Up Costs	SAM
	 Travel Costs (Regulator/Attorney) \$ 	I,400
	 Application Fee 	200
	 Legal Incorporation Fees 	10,000
	 Consulting Fees 	25,000
	• Total \$3	6,600
	Continuing Costs (increase at 3% per year)	
	 Travel Costs (Annual Meeting) 	\$4,900
	 Annual Fee 	6,375
	 Actuarial Fees (Assumes one coverage only) 	5,000
	 Legal Fees 	7,000
	 Audit and Tax Fees 	6,000
	 Management and Program Admin 	50,000
	o Total	\$79,275
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Cost/Benefit Analysis



			ESTIN	ΛΑΤΕΟ	REQUIRED	
OPTION	OPTION			PREMIUM		
1. Worl	k Comp Go-For	ward	16,08	16,080,000		
2. Worl	k Comp Go-For	ward and Tail	102,20	59,000	34,090,000	
	A					
	Average	YEAR I ANNUAL INVESTIVIENT RETURN				
Option	Amount	2.0%	2.5%	3.0%	3.5%	
	Invested					
1	\$9,840,000	\$197,000	\$246,000	\$295,000) \$344,0	00
	Exc	ess over 2.0%	\$49,000	\$98,000	\$147,0	00
2	\$73,364,000	\$1,467,000	\$1,834,000	\$2,201,000) \$2,568,0	00
	Exc	ess over 2.0%	\$367,000	\$734,000	\$1,101,0	00

Year 1 operating costs are \$80,875, Year 2-5 average \$63,725.

*Surplus Requirement is 33% of Annual Premium



What's Next??



OR





Green Light!

If we decide to proceed, what are the next steps?





Create a Company

- An insurance company needs to be created before we can do any kind of business.
 - Name Captive ☺
 - Determine Board of Directors
 - Subset of Executive Committee? Odd number preferred.
 - Include attorney (resident of state of domicile)
 - File paperwork with the Secretary of State
 - Local attorney takes care of all the paperwork



Select Vendors

- Vendors need to be selected for the basic functions of the Captive.
 - Captive Implementation Consultant
 - Actuary
 - Investment Advisor
 - Attorney
 - Auditor
 - Captive Management Firm
- Typically, existing vendors for the pool are used for the Captive as well.



Develop an Insurance Program

- An insurance program needs to be developed to define the purpose of the Captive.
 - Meet with regulators
 - Board of Directors complete Biographical Affidavits
 - Complete Captive Application
 - Develop Business Plan
 - Decide on exposure to place into the Captive
 - Determine Investment Strategy
 - Update Feasibility Study
 - Create Insurance Policy
 - File Paperwork with the Department of Insurance



Start and Run the Business

- Once approved, the administrative aspects of getting the Captive running must be completed.
 - Set up bank and investment accounts
 - Develop accounting procedures
 - Fund Captive with required capital
 - Collect Pool Premium (Loss Premium and Expense Premium)
 - Keep portion of Loss Premium with Pool for cashflow needs
 - Transfer remaining Loss Premium to Captive
 - Invest premium in Captive according to Investment Strategy
 - Pool pays claims from cash funds
 - Captive reimburses Pool for claim payments
 - Captive Board of Directors meets regularly



Questions? Reach Out!

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