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#BIO2023 #StandUpForScience

## Biotechnology Entrepreneurship Boot Camp

Presented by:

**David Smith** 

Senior Attorney, DLA Piper LLP

**BIO Recognizes Course Sponsor:** 



McDonnell Boehnen Hulbert & Berghoff LLP

**Intellectual Property Law** 

## The Mechanics of Capitalizing Your Venture

Formation, Governance, Financing & the "Waterfall"

BIO Entrepreneurship Boot Camp 2023
Session 19

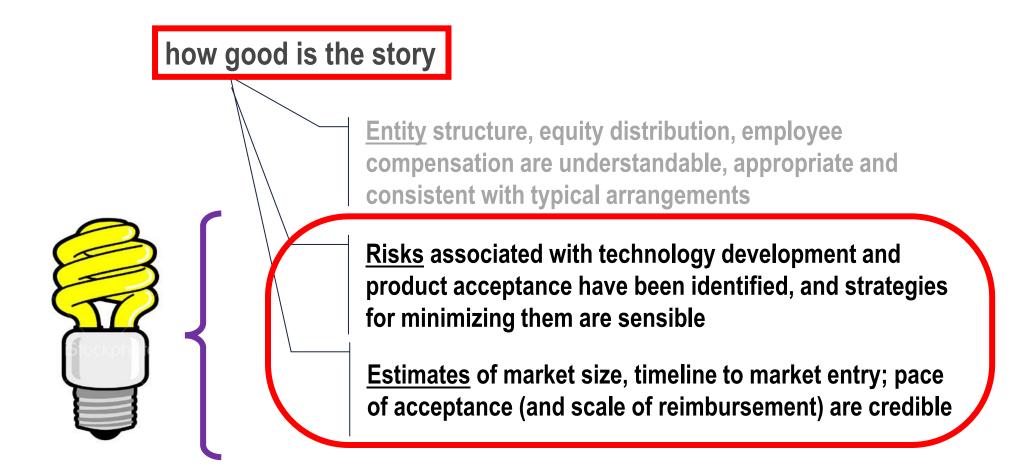
DLA PIPER

David Smith, Senior Attorney DLA Piper LLP (US) david.smith@us.dlapiper.com In the Beginning...

## **Formation**

why?

### The Value Proposition



### The Value Proposition

how good is the story



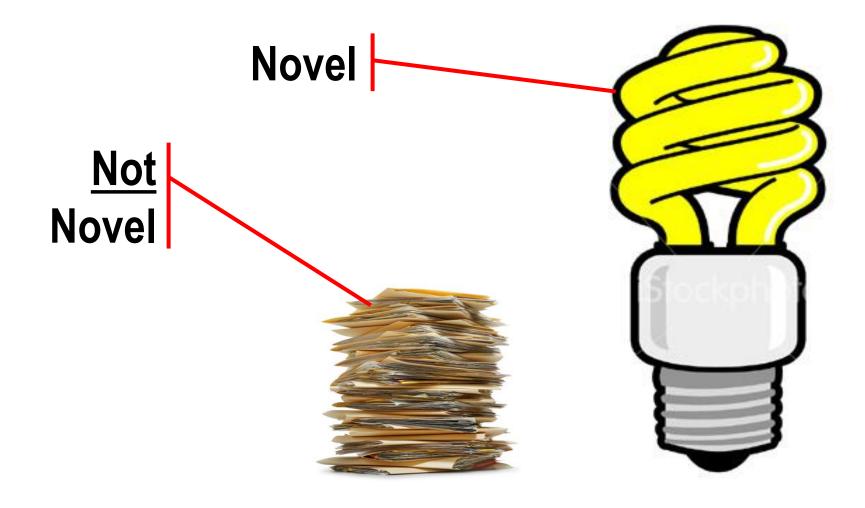


Entity structure, equity distribution, employee compensation are understandable, appropriate and consistent with typical arrangements

Risks associated with technology development and product acceptance have been identified, and strategies for minimizing them are sensible

**Estimates** of market size, timeline to market entry; pace of acceptance (and scale of reimbursement) are credible

## The Value Proposition – what matters



In the Beginning...

## **Formation**

why? what?

### Types of Entities

the default choice; well-understood capital & operational structure; M&A/IPO advantages

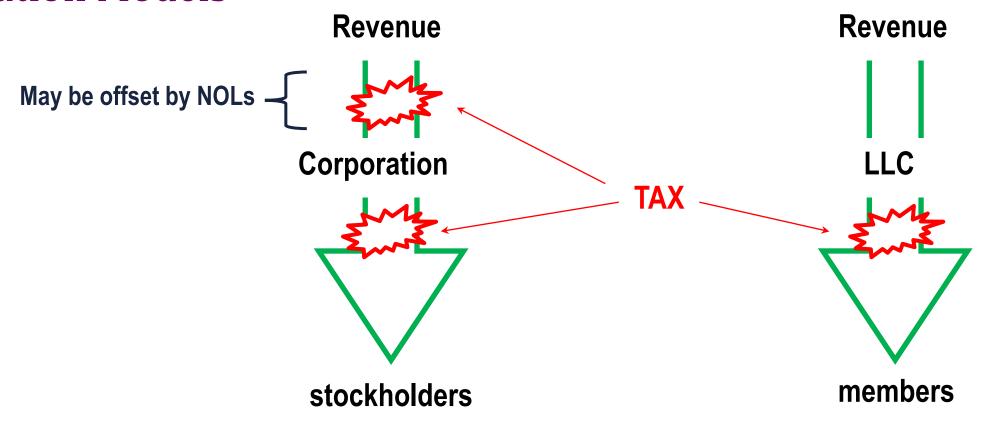
Limited Liability Company tax advantages (esp. for partial exits); simplified (LLC) operational structure (ex. members as employees)

Also, where to incorporate/organize?

## Words Meaning (Essentially) the Same Things

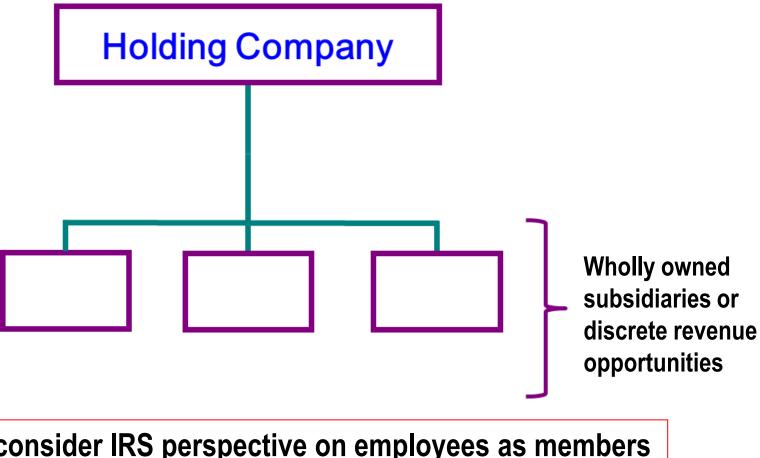
Corporation	LLC
Board of Directors Board of Managers	
Stockholders	Members
Capital stock	Membership interests ("Units")
Stock options	Profits interest

#### **Taxation Models**



but, cap. gains tax "forgiveness" for "C" corp. stock sale (IRC§1202)

### LLC Model for Discrete IP/Product Assets



also, consider IRS perspective on employees as members

## Angel Capital Association – 2021 Angel Funders Report

(www.angelcapitalassociation.org)



Figure 16 – C Corp Dominate Company Structures

In the Beginning...

# Governance

### Governance 101

Entity Element	Role / Rights
Board of Directors/Managers	Fiduciary duty to oversee Entity on behalf of shareholders/members Act through management team (esp. CEO) Comprised of: investors, CEO, outsiders, founders(?)
Stockholders/Members	Elect Directors/Managers  Dependent on Board/Management to produce ROI  Vote on fundamental changes (financing, exit)  Not involved in day-day operations (ex. informally)

### Governance (who decides what)\*

#### **Board**

#### **Stockholders**

Budget
(reflecting tech. & bus. dev. priorities)
Mgmt. Compensation
Material Agreements
Exit Planning

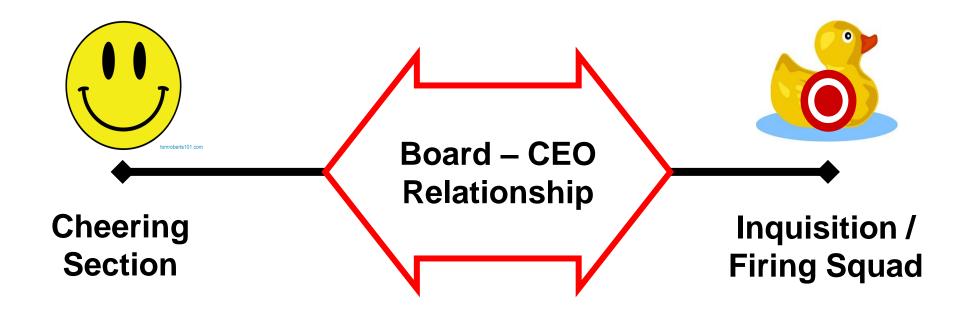
Future financings

Exit

(other protective provisions?)

\*see Bylaws, Stockholders Agreement, Investor Rights Agreement, Voting Agreement

#### Governance (and the Board – CEO relationship)



Influenced by: timely communication (esp. bad news; adherence to Board policies

Becoming operational . . .

## **Financing**

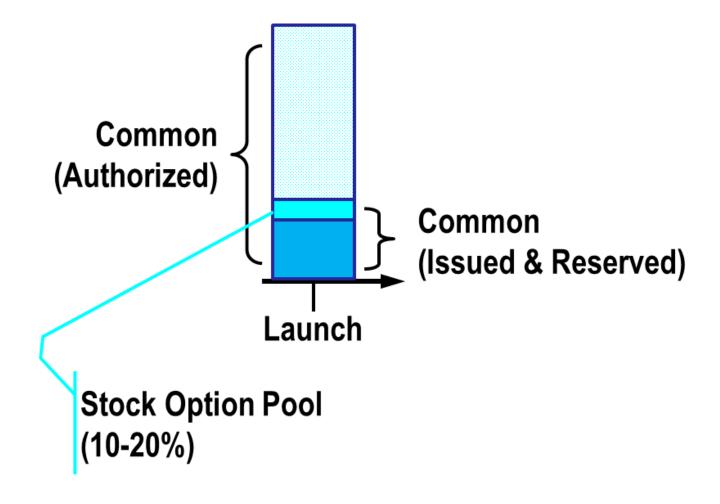
process key elements/terms

### Capitalization

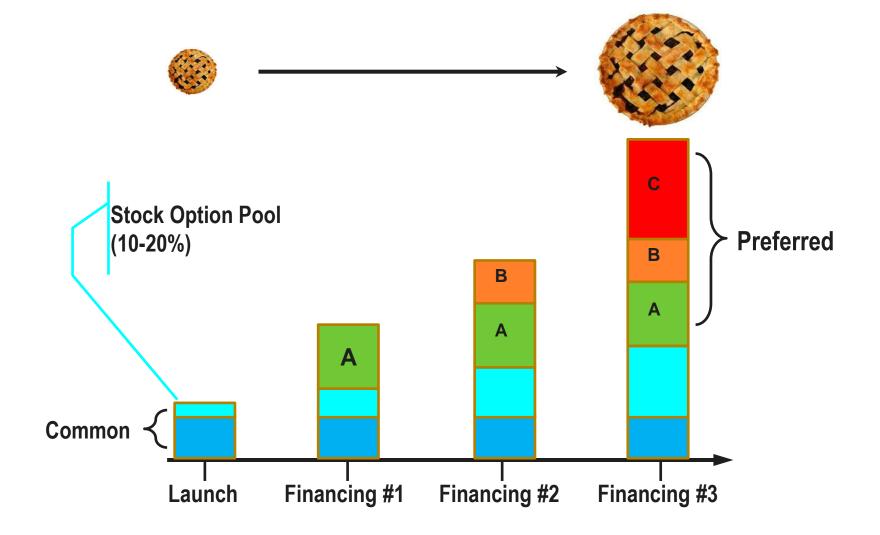
Capital Stock	What's Included
Authorized	<b>Everything</b> (max. number of shares of any kind the company can issue or reserve)
Issued	Common (initially – to founders) and Preferred (to investors)
Reserved	Stock Option Pool, Warrants

"Fully Diluted" – relative equity interest based on sum of all issued and reserved shares (all as converted to common)

## Financing (Capitalization)



## Financing (Building the Cap Table)



### Financing (Process & Documentation)



Document	Purpose
Term Sheet	Preliminary terms of investment: pre-investment valuation; class & rights of stock to be sold; issue price; board representation; closing conditions (due diligence; aggregate investment commitment)
Purchase Agreement, etc.	Definitive investment terms; ancillary agreements; company reps & warranties; pre- & post-closing conditions

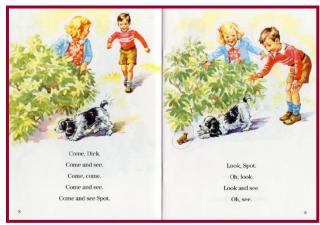
## Financing (what matters)

What	Why
Valuation	Establishes relative equity interest acquired by new investors (may trigger anti-dilution rights of older investors – a "down round"))
Capitalization	Establishes relative voting rights and liquidation preferences of all stockholders

### Financing (Key Securities Laws)

#### The Rules:

SEC ("1933 Act") – exemption from registration but consider state "Blue Sky" requirements – prior registration?



Keep it simple Keep it accurate

**Investor Disclosures – material facts; no material omissions** 

"Accredited" Investors – having ability to withstand loss and evaluate risk

private-private vs. public-private offerings (Rule 506(b) vs. 506(c)\*) \*(e.g., www.verifyinvestor.com)

## The Early Life of the Company – Financing (Overview)

Structure	Valuation	Investor Rights	Founder Commitment	Documentation
Debt (conv. note)*	N/A	<ul><li>Information rights</li><li>Cap on add'l debt</li><li>Conversion terms</li></ul>	<ul><li>Employment</li></ul>	<ul><li>Purchase Agmt</li><li>Note</li><li>Warrant?</li></ul>
Equity ("seed" or Series A)	Negotiated	Information rights Board seat? Future Purchase right Voting rights	<ul><li>Restrictive covenants</li><li>Equity vesting</li></ul>	<ul><li>Purchase Agmt</li><li>Stkhldrs Agmt</li><li>Invstr Rights Agmt</li></ul>

<sup>\*</sup>beware tax issues for LLC members

## Financing (Documentation – equity round)

Document*	Purpose
Stockholders Agreement	Rights/Obligations applicable to all Stockholders (i.e., restrictions on transfer of shares; designation of board nominees & election of directors, etc.)
Investor Rights Agreement*	Rights/Obligations Negotiated Through Investment (i.e., preemptive purchase rights, protective provisions, registration rights, etc.)
Right of First Refusal & Co-Sale Agreement*	allow Company and then stockholders to purchase selling stockholders' shares; require stockholders to sell shares along with selling stockholders
Voting Agreement*	require stockholders to vote on certain matters (esp. election of directors, but can require votes on other matters)

<sup>\*</sup>see NVCA model Series A transaction documents (www.nvca.org)

## Financing (Key Investment Terms – Preferred Stock)

Term	Function	Purpose	
Liquidation Preference	Return of initial investment (+ dividends) ahead of general distribution to stockholders	Downside protection (if just 1X) Upside benefit (if > 1X)	
Anti-Dilution	Downward adjustment of initial issue price if future round priced lower	Downside protection against over- valuation of the company for the initial investment	
Voting Rights	Board representation Protective provisions	Ability to influence (maybe control) future key decisions about the business & exit	

Becoming operational . . .

# Financing

valuation

## Financing ("Pre-Money" & "Post-Money")

"Pre-Money"	** *** **** **** **** **** **** **** ****	Represents value attributed to all shares sold or reserved (i.e., options) pre-financing
Investment		Principal + interest of conv. notes  Conversion Discount  New money
"Post-Money"	\$12,000,000	Sum of Pre-Money Valuation Amount + Investment
		How determined – negotiation; benchmarking (less) net of outstanding debt

## Financing (variables)

"Pre-Money"	\$8,000,000
Note Conversion Discount	30%
Investor Requirements	"Post Money" Cap? (say, \$10M)

## Financing (Valuation – "founder friendly" method)

Founders & Option Pool	1,000,000	64.37%
Note Holders	178,571	11.49%
New Investors	375,000	24.14%
Total Issued & Reserved Shares	1,553,571	100%

Series A issue price		\$8.00 (\$8M Pre-Money ÷ (Founder & Option Pool Shares)
	Eff. "Pre-Money" Valuation	\$8,000,000
-	Eff. "Post-Money Valuation	≈ \$12.43 million (Total Shares × Series A issue price)

## Financing (Valuation – "investor friendly" method)

Founders & Option Pool	1,000,000	55.71%
Note Holders	256,407	14.29%
New Investors	538,455	30.00%
Total Issued & Reserved Shares	1,794,862	100%

Series A issue price		\$5.5715 (to meet investor-req. \$10M post-money val.)	
Eff. "Pre-Money" Valuation		\$5,571,500	
Eff. "Post-Money Valuation		≈ \$10 million (Total Shares × Series A issue price)	

## Financing (Valuation – "dollars invested" compromise method)

Founders & Option Pool	1,000,000	63.1%		
Note Holders	188,677	11.9%		
New Investors	396,223	25%	Reflects new investment as %	
Total Issued & Reserved Shares	1,584,900	100%	of post-money	

		Series A issue price	\$7.5715 (to reflect pre-money + aggregate investment)
		Eff. "Pre-Money" Valuation	\$7,571,500
_		Eff. "Post-Money Valuation	≈ \$12 million (Total Shares × Series A issue price)

Return on investment...

# Financing

outcomes

## Preferred Stock -- The "Participation" Reward



<u>"Participating" Preferred Stock Payout</u> = Liquidation Preference Amount + pro rata portion (calculated with common stock on conversion of all preferred stock to common) of Exit proceeds remaining after all junior Preferences paid

<u>Participation "Cap"</u> – preferred holder entitled to either (i) the cap amount (i.e., 2X liq. pref.), or (ii) the amount payable if the preferred stock was non-participating (i.e., participates in the total proceeds with common stock on an as-converted to common stock basis

## Participation Cap "Indifference" - Series C Distribution

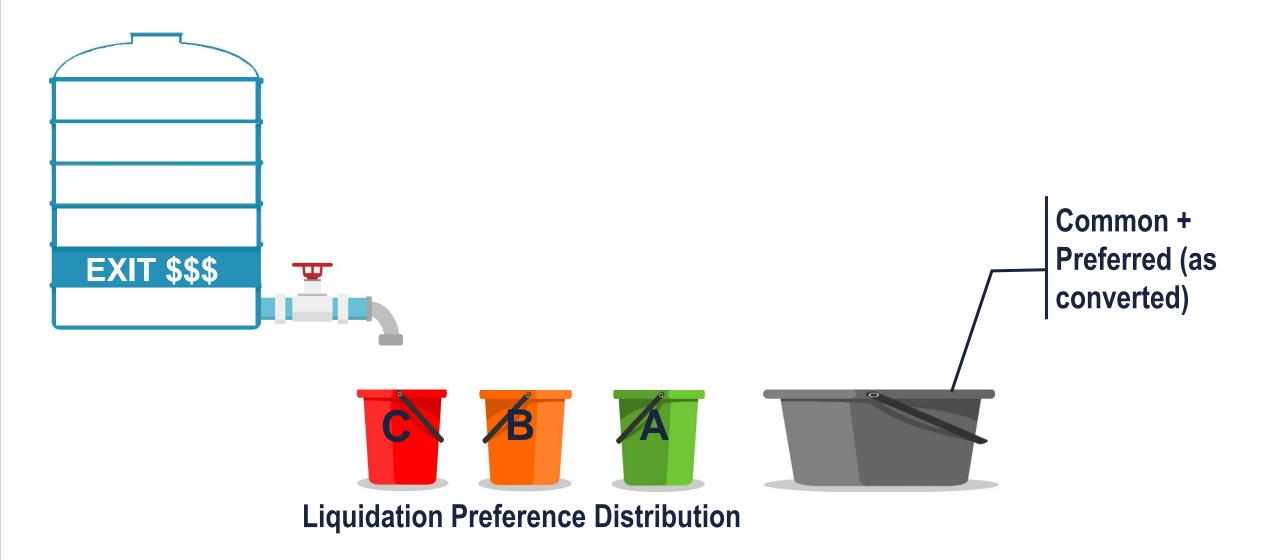
	% of Issued Shares (as converted to Common)	Total Distribution		Liquidation Preference	2X Cap Distribution
\$60M Exit	45%	\$27,000,000	OR	\$10,000,000	\$20,000,000
\$40M Exit		\$18,000,000			\$20,000,000

Participation Cap can leave more for Common Holders at higher Exit and leave less for Common Holders at lower Exit; also, disincentive for Preferred Holders with Cap to seek higher Exit until Exit return greater than Cap payout

Reaching the finish line . . .

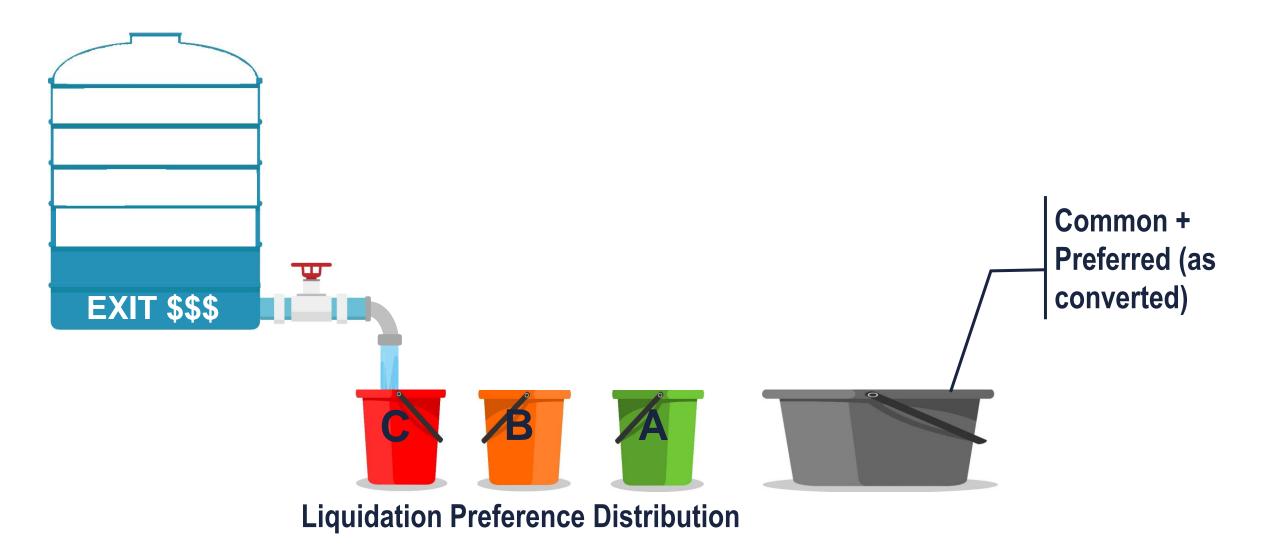
# Financing

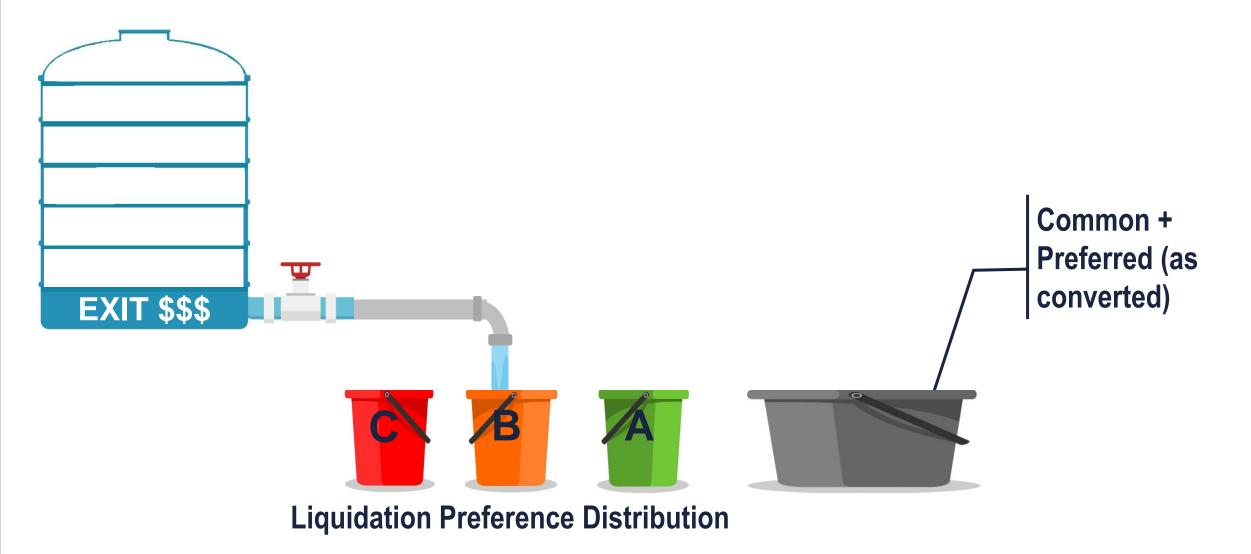
waterfalls



#### Liquidation Waterfall -- \$20M Exit, Participating Preferred

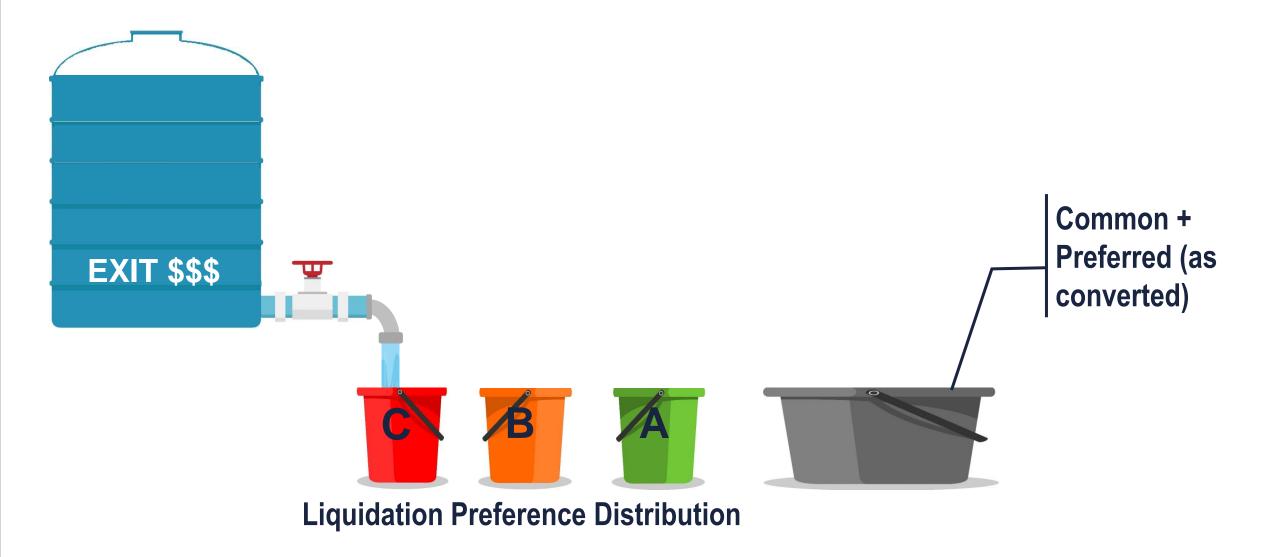
Exit Proceeds (amount remaining after payment of outstanding debt, etc.)		\$20,000,000	Remaining After Payout
Liquidation Preference Payouts	Series C	\$15,000,000	\$5,000,000
	Series B	\$10,000,000	\$0 (only ½ of Payout made)
	Series A	\$5,000,000	<b>\$0</b>
Net Exit Proceeds (amount to be distributed to Common + Participating Preferred on pro rata basis)			<b>\$0</b>

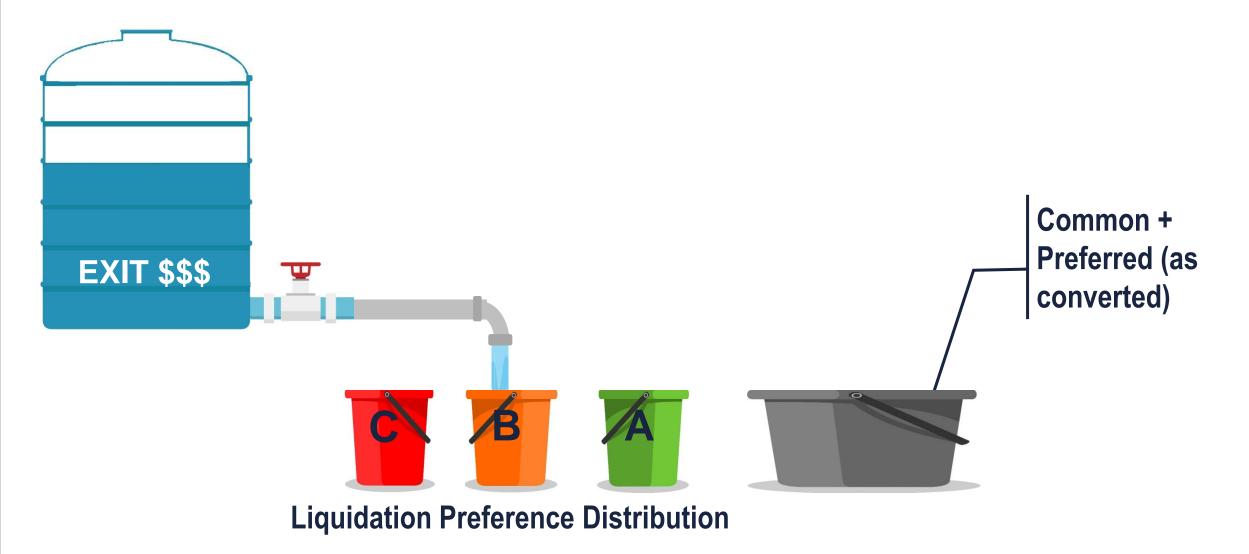


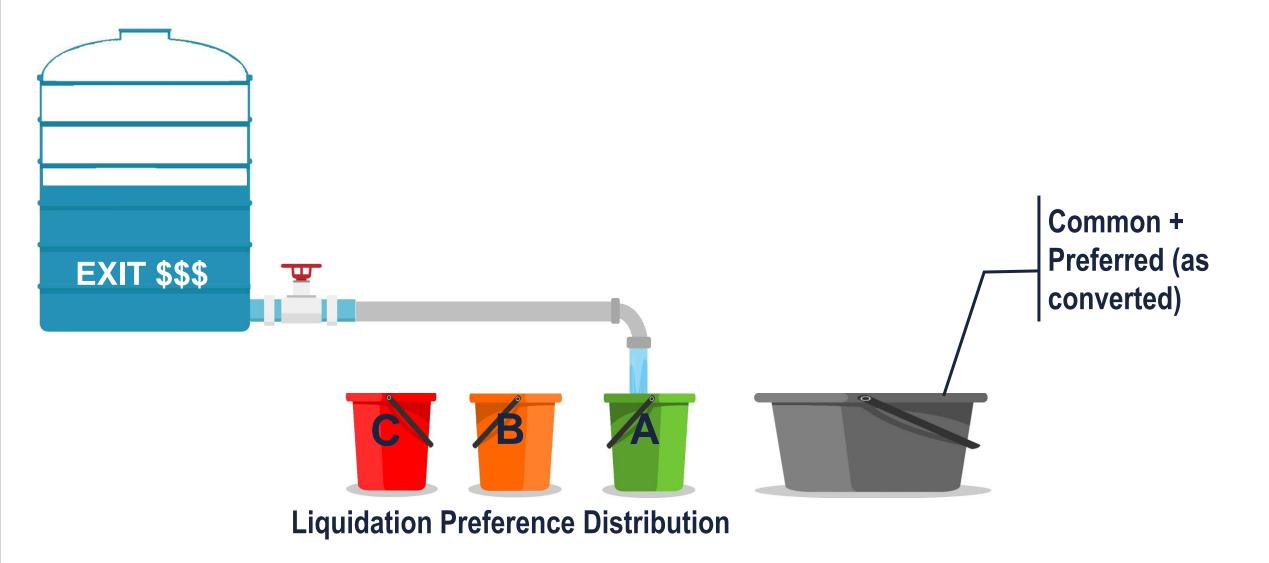


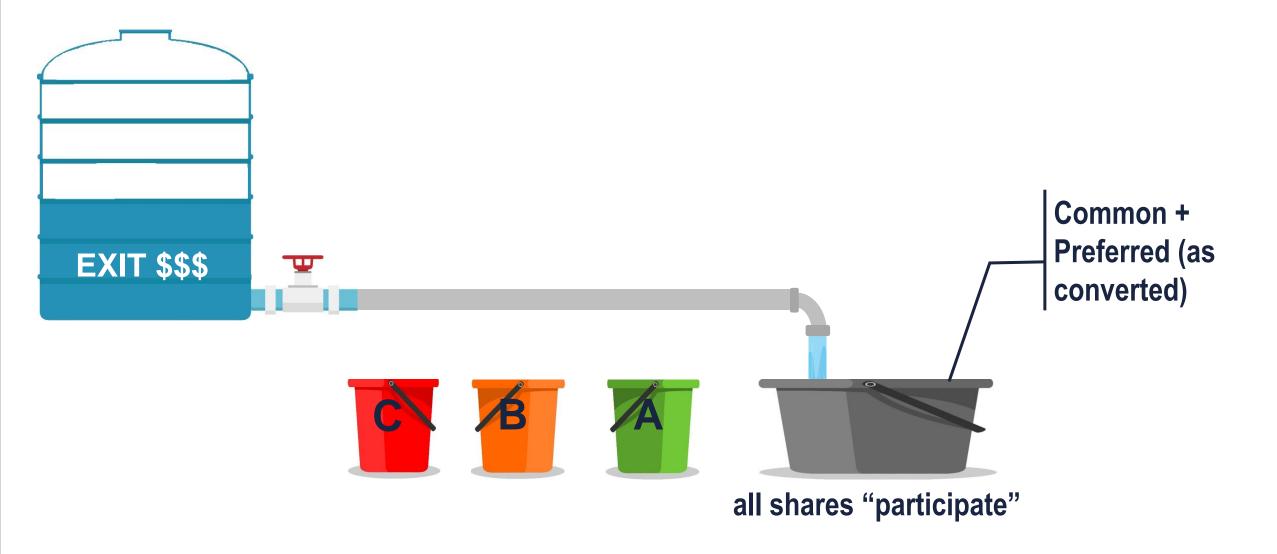
#### Liquidation Waterfall -- \$120M Exit, Participating Preferred

Exit Proceeds (amount remaining after payment of outstanding debt, etc.)		\$120,000,000	Remaining After Payout
Liquidation Preference Payouts	Series C	\$15,000,000	\$105,000,000
	Series B	\$10,000,000	\$95,000,000
	Series A	\$5,000,000	\$90,000,000
Net Exit Proceeds (amount to be distributed to Common + Participating Preferred on pro rata basis)			\$90,000,000



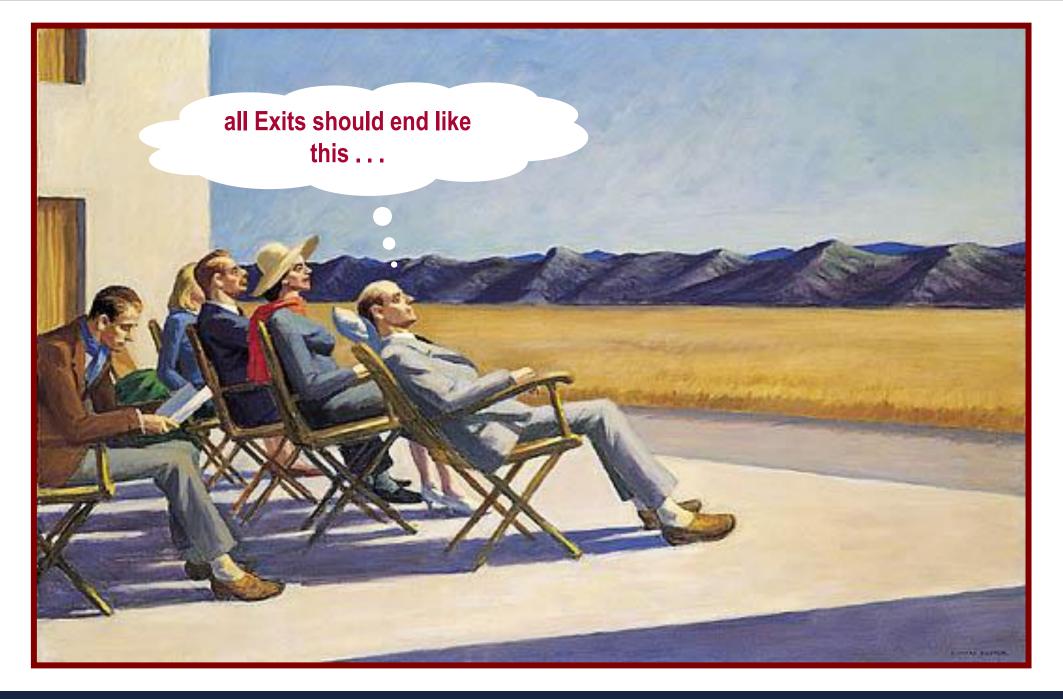






## Liquidation Waterfall -- \$120M Exit, Participating Preferred

	% of Issued Shares (as converted to Common)	Liquidation Preference	Distribution of \$90M Net Exit Proceeds	Total Distribution (~% of Exit)*	ROI
Series C	35%	\$15,000,000	\$31,500,000	\$46,500,000 (38.75%)	3.1X
Series B	25%	\$10,000,000	\$22,500,000	\$32,500,000 (27.09%)	3.25X
Series A	10%	\$5,000,000	\$9,000,000	\$14,000,000 (11.66%)	2.8X
Common	30%	N/A	\$27,000,000	\$27,000,000 (22.5%)	??X



# Thank you