



TAX REFORM:

Implications for M&A

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Presenters:

Scott Whittaker

G. F. Gay Le Breton

Daniel Walter



Scott T. Whittaker
Stone Pigman
Walther Wittmann, L.L.C.
Member
504.593.0836
swhittaker@stonepigman.com



G. F. Gay Le Breton Chaffe & Associates, Inc.

Managing Director 504.524.1801 glebreton@chaffe-associates.com



Daniel J. Walter
Stone Pigman
Walther Wittmann, L.L.C.
Member
504.593.0826
dwalter@stonepigman.com





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Key Areas of the Presentation

- Overview of the Tax Cuts and Jobs Act on M&A Activity
- Corporate Tax Rate and Pass Through Changes
- Impact of Bonus Depreciation
- Interest Expense Limitations Financing Considerations
- Affect of Tax Act on Company Value
- Impact on Valuation Approaches
- Increase in Cost of Capital
- Case Study
- Appendices Bonus Materials
 - Partnership Audit Guideline Changes
 - Carried Interest Rule Changes
 - How to Adjust Pre-2018 Precedent Transaction Data





Overview of the Effect of the Tax Act on M&A

CHANGE	<u>EFFECT</u>	EFFECT ON M&A
Mandatory Repatriation of Foreign Profits and new Global Tax Regime	Increase in cash available in US US targets more palatable	1
Reduced Corporate Rates and New Passthrough Deduction	Frees up cash for acquisitions Reduces tax burden	1
100% Bonus Depreciation	Full expensing of the cost of certain asse	ets 1
Interest Deductibility Limitation	Changes the economics of financing acquisitions	1
NOL Usage Limitation & Amortization of R&E	Reduces value of tax assets	1
Increased Carried Interest Holding Period	Increases tax cost of early exit	1





Corporate Changes

Reduced Tax Rates for C Corps

- Prior Law Highest marginal rate of 35% with phase out of graduated rates
- Current Law Flat rate of 21%

Dividend Rate on Distributions to C Corps

- If a C Corp owns another C Corp, dividends to parent taxed at the general C Corp rate
- Prior law provided a deduction for dividends received by the parent ranging from 70%-100% (depending on the ownership %)
- Current law reduces the amount of the deduction to adjust for reduction in C corp rate

Dividend Rate on Distributions to Individuals

- Unchanged highest rate is still 20%
- 3.8% "Medicare" tax is still applicable
- Corporate Alternative Minimum Tax is eliminated
- Corporate Changes are Permanent





Pass-through Entities and QBI Deduction

- Highest <u>individual</u> tax rate is now 37%
- Deduction for <u>individual</u> taxpayers of up to 20% of Qualified Business Income received from pass-through entities (i.e. partnership, S corp or sole proprietorship)
- Applicable for calendar tax years 2018 2025
- "Specified Services" Limitation
 - QBI deduction does not apply to health, law, accounting, performing arts, consulting, athletics, financial services and brokerage services
- Wage/Property Limitation on QBI Deduction
 - 50% of W-2 wages paid by the business that are allocable to the taxpayer
 - OR
 - ▶ 25% of W-2 wages paid by the business that are allocable to the taxpayer
 - ▶ PLUS 2.5% of the unadjusted basis of qualified property

Phase in of limitations

- If a taxpayer's overall income is \$157.5k (\$315k for married), the full 20% deduction is allowed regardless of the limitations
- BUT if a taxpayer's overall income is \$207.5k (\$415k for married), the limitations will apply in full





Tax Rate Comparison

	Prior Law		Current Law		
	<u>Corporation</u>	Pass-Through	Corporation	Pass-Through w/deductibility	Pass-Through w/o deductibility
Income	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
Pass-through Deduction	N/A	N/A	N/A	(\$200,000)	N/A
Taxable Income	\$1,000,000	\$1,000,000	\$1,000,000	\$800,000	\$1,000,000
Tax Rate Tax on Entity Income Entity Net Income	35% (<u>\$350,000)</u> \$650,000	39.6% (\$396,000) \$604,000	21 % (\$210,000) \$790,000	37% (<u>\$296,000)</u> \$704,000	37% (<u>\$370,000)</u> \$630,000
Distribution Tax Rate Tax on Distribution Owner Net Income	20% (\$130,000) \$520,000	N/A (<u>\$0)</u> \$604,000	20% (<u>\$158,000)</u> \$632,000	N/A (<u>\$0)</u> \$704,000	N/A (<u>\$0)</u> \$630,000
Blended Tax Rate	48%	39.6%	36.8%	29.6%	37.0%

^{*}Does not take into account the effect of state and local taxes.





Bonus Depreciation

Bonus Depreciation – Current Law

- Applies to new qualified property
- 50% of cost may be recovered in the first year

Bonus Depreciation – New Law

- Applies to new <u>or used</u> qualified property
- 100% of cost may be recovered in the first year (for property purchased prior to January 1, 2023)
- Phased out over time:

Year	2018 - 2022	2023	2024	2025	2026
Percentage	100%	80%	60%	40%	20%





Bonus Depreciation

"Qualified Property"

- Machinery and equipment YES, think class life of 20 years or less
- Buildings and land NO
- Qualified Improvement Property NO, technical correction needed
 - Generally defined as certain improvements to an interior portion of a building
 - Interim strategy cost segmentation study
- Intangible property NO
 - ▶ Goodwill, going concern, customer lists, IP, etc.

Can Apply to a Portion of Company Acquisition Price Now That Used Property is Eligible for Bonus Depreciation

- In a purchase of assets, Buyer may immediately expense portion of purchase price allocable to Qualified Property
- Does not apply to a purchase of stock, unless parties agree to a 338(h)(10) election





Interest Deductibility Limitation

Under the Tax Act, interest expense deductions are limited for companies with average annual revenues over \$25 million.

- Deduction for business interest is limited to 30% of Adjusted Taxable Income (ATI) plus business interest income plus motor vehicle floor plan financing interest
 - Before 2022 → ATI approximates EBIDA, excluding US federal income taxes
 - 2022 and after → ATI approximates EBI, excluding US federal income taxes
- Given this limitation, a company can get a full current deduction of interest with:
 30% Interest

\$/,/50	\$2,325		
Debt to		Interest	Interest
EBIDA	Total Debt	Rate	Expense
5.0x	\$38,750	6.0%	\$2,325
4.0x	\$31,000	7.5%	\$2,325
3.0x	\$23,250	10.0%	\$2,325

EBIDA Deductibility

<u>EBI</u>	Deductibility
\$6,250	\$1,875
Dobt to	

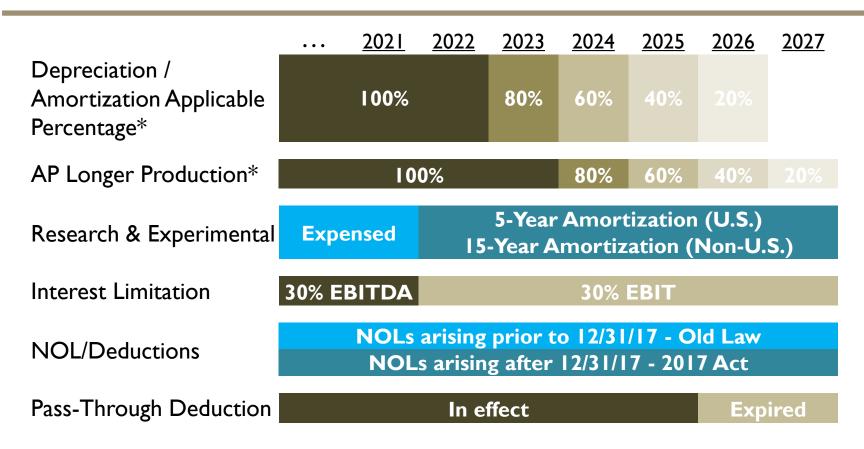
Debt to		Interest	Interest
EBI	Total Debt	Rate	Expense
5.0x	\$31,250	6.0%	\$1,875
4.0×	\$25,000	7.5%	\$1,875
3.0x	\$18,750	10.0%	\$1,875

- Disallowed interest deductions are carried forward indefinitely
- Real estate businesses (i.e. real property trades or businesses) may elect out of interest expense limitations rules but then lose bonus depreciation. The election is permanent.





Timing of Certain Provisions of 2017 Act



^{*}Also applies to used property

(Property that was not used by the taxpayer any time prior to the acquisition)





Impact of Tax Changes on Value

Two factors of the Tax Act have an upward impact on business value

- ➤ Lower corporate tax rate Means increased cash flow and typically higher value
- > Accelerated depreciation Greater tax shield today translates to higher value

Downward pressure on value is less significant: interest expense deduction cap for highly leveraged companies; net operating loss deduction limitation; repatriation tax; R&D amortization reduction; and decreased value of tax assets resulting from lower tax rates

Incremental cash flow may not translate into free cash flow and increased company value. There are many potential uses of cash, such as increased employee compensation, increased capital investment, lower debt due to interest limitations and increased dividends

Some Valuation Benchmarks will change

- > PE ratios probably stay near the same there will just be higher earnings to capitalize. If tax reform increases growth (or expected growth), then PE ratios should increase
- > EBITDA multiples should increase for companies with US profit companies will keep a greater percentage of EBITDA, so each dollar of EBITDA is more valuable.
- > Recalibrate rules of thumb e.g. a 7.0x EBITDA industry might now be 9.0x EBITDA industry





Impact on Valuation Approaches

Market Approach – Guideline Company Method

- > Tax changes are already reflected in public company stock prices and resulting multiples
- > For the next year, forward multiples may be a better indicator of value post-Tax Reform because TTM figures will include pre-Tax Reform data

Market Approach – Precedent Transaction Method

- > Historical EBITDA, EBIT multiples prior to date of enactment may not reflect the 2017 Act
- > It may take years to accumulate a statistically significant sample of M&A transactions dating after the 2017 Act to assess the impact on multiples
- Value adjustment may be necessary when using pre-2018 multiples

Cost Approach – Adjusted Book Value

> Estimated taxes on the difference between appraised value and tax basis of assets will need to be adjusted





Impact on Valuation Approaches

Income Approach – Discounted Cash Flow Analysis

- > Higher after-tax cash flows may be somewhat offset by slight increases in cost of capital
- Many provisions of the Act are set to expire over 5 to 10 years. Consider extending forecast horizon in a DCF through 2026 (until the temporary provisions have expired)
- > Terminal year calculation should be based on normalized cash flows, reflecting those provisions that are permanent in nature
- > Interest Expense limitation complicates model. Need to test each year.
- > In valuing a pass through entity, need to be mindful of whether the 20% QBI deduction applies and the expiration of in 2025 of both the QBI deduction and the lower individual tax rate
- > Uncertainty around tax rate inputs and assumptions may cause a heavier weight on guideline company method





Impact on Cost of Capital

Changes in the Tax Act will likely increase a firm's weighted average cost of capital. WACC is a function of the cost of equity, the cost of debt and their proportionate share of the capital structure.

Cost of Equity

- Components of cost of equity include the risk-free rate, a market risk factor (beta), an equity risk premium from the public markets, and a company-specific risk premium
- ▶ Historical data used to estimate beta does not incorporate the impact of the tax rate changes
- ▶ The risk-free rate and equity premiums are not expected to change because of the Tax Act

Cost of Debt

- The Tax Act increases the after-tax cost of debt because of the lower tax shield provided by interest expense resulting from a lower corporate tax rate, and limits on interest deductibility.
- Even though the after-tax cost of debt is higher, lower taxes enhances the ability of borrowers to service debt. Fixed charge ratios should improve.





Weighted Average Cost of Capital

Weighted Average Cost of Capital	2016	2018
(I) Equity Rate	10.0%	10.0%
(2) Debt Rate	5.0%	5.0%
(3) Tax Deduction @ 39% & 29%	-2.0%	-1.5%
(4) Tax Affected Debt Rate	3.1%	3.6%
(5) Capital Structure - Debt	23.1%	20.5%
(6) Capital Structure - Equity	76.9%	79.5%
(7) WACC	8.4%	8.7%

While this example does not include any adjustment to the cost of equity, some change would be expected in beta related to financing risk. The increase in beta will be greater for those companies with higher leverage.





Case Study

A manufacturing company is for sale. The company is taxed as an S corp, and has the following assets:

Asset	Tax Basis	FMV	Gain
Land	50,000	50,000	0
Building	100,000	200,000	100,000
Machinery	0	500,000	500,000
Patent	50,000	200,000	150,000
Total	200,000	950,000	750,000

- A C corp buyer is interested in buying the company. For regulatory reasons the buyer wants to purchase stock. The parties negotiate a price of \$1,000,000 for the sale of all of the company's stock, which represents \$50,000 of goodwill.
- After the price is negotiated, the buyer realizes it will receive a better after-tax result if it purchases assets.
- ▶ The parties go back to the negotiating table and agree to make a 338(h)(10) election.
- ▶ Will the seller agree to the same purchase price of \$1,000,000?





Case Study #1 - Stock Sale

How much tax will Seller pay in a stock sale?

<u>Seller</u>

Seller's After Tax Proceeds	\$840,000
Cap Gain on sale (20%)	(\$160,000)
Gain	\$800,000
Stock Basis	<u>(\$200,000)</u>
Sale Price	\$1,000,000

Does Buyer receive a tax benefit from the stock purchase?

Buyer

Receives a basis in the stock of \$1,000,000, which cannot be used until the stock is sold.





Case Study #1 - Asset Sale

How much additional tax will Seller pay in an asset sale?

	Purch Price <u>Allocation</u>	<u>Basis</u>	<u>Gain</u>	<u>Tax</u> <u>Rate</u>	Seller's Tax
Land	\$50,000	\$50,000	0	20%	0
Machinery	\$500,000	0	\$500,000	37%	\$185,000
Building	\$200,000	\$100,000	\$100,000	25%	\$25,000
Patent and Goodwill	<u>\$250,000</u>	<u>\$50,000</u>	<u>\$200,000</u>	20%	<u>\$40,000</u>
Total	\$1,000,000	\$200,000	\$800,000		\$250,000
Tax on Stock Sale					<u>(\$160,000)</u>
Additional Tax					\$90,000
Gross Up					<u>\$22,500</u>
Amount Needed to Equalize After-Tax Proceeds					\$112,500

For Seller to be indifferent between a stock sale and an asset sale, the purchase price must be increased to \$1,112,500.





Case Study #1 - Asset Sale

What is Buyer's economic benefit from changing from stock sale to asset sale?

	Purch Price <u>Allocation</u>	<u>Basis</u>	Basis Step-Up	Tax Life	PV of Basis Step-Up
Land	\$50,000	\$50,000	0	N/A	0
Machinery	\$500,000	0	\$500,000	0	\$105,000
Building	\$200,000	\$100,000	\$100,000	39	\$9,000
Patent and Goodwill	\$250,000	<u>\$50,000</u>	\$200,000	15	<u>\$29,000</u>
Total	\$1,000,000	\$200,000	\$800,000		\$143,000
BUT if Buyer must pay		<u>(\$112,500)</u>			
Buyer's net benefit from the asset sale is:					\$30,500
Which as a percentage	of the basis ste	p-up value is	•		21%





Case Study #2 – High Intangible Property

A software company is for sale. The company is taxed as an S corp, and has the following assets:

Asset	Tax Basis	FMV	Gain
Land	50,000	50,000	0
Building	100,000	200,000	100,000
FF&E	0	100,000	100,000
IP	50,000	600,000	550,000
Total	200,000	950,000	750,000

- A C corp buyer is interested in buying the company. For regulatory reasons the buyer wants to purchase stock. The parties negotiate a price of \$1,000,000 for the sale of all of the company's stock, which represents \$50,000 of goodwill.
- After the price is negotiated, the buyer realizes it will receive a better after-tax result if it purchases assets.
- \blacktriangleright The parties go back to the negotiating table and agree to make a 338(h)(10) election.
- ▶ Will the seller agree to the same purchase price of \$1,000,000?





Case Study #2 – Asset Sale

How much additional tax will Seller pay in an asset sale?

	Purch Price <u>Allocation</u>	<u>Basis</u>	<u>Gain</u>	<u>Tax</u> <u>Rate</u>	Seller's Tax
Land	\$50,000	\$50,000	0	20%	0
FF&E	\$100,000	0	\$100,000	37%	\$37,000
Building	\$200,000	\$100,000	\$100,000	25%	\$25,000
IP and Goodwill	<u>\$650,000</u>	<u>\$50,000</u>	\$600,000	20%	\$120,000
Total	\$1,000,000	\$200,000	\$800,000		\$182,000
Tax on Stock Sale					<u>(\$160,000)</u>
Additional Tax					\$22,000
Gross Up					<u>\$5,500</u>
Amount Needed to Equalize After-Tax Proceeds					\$27,500

For Seller to be indifferent between a stock sale and an asset sale, the purchase price must be increased to \$1,027,500.





Case Study #2 – Asset Sale

What is Buyer's economic benefit from changing from stock sale to asset sale?

	Purch Price <u>Allocation</u>	<u>Basis</u>	<u>Basis</u> Step-Up	<u>Tax</u> <u>Life</u>	PV of Basis Step-Up
Land	\$50,000	\$50,000	0	N/A	0
FF&E	\$100,000	0	\$100,000	0	\$21,000
Building	\$200,000	\$100,000	\$100,000	39	\$9,000
IP and Goodwill	<u>\$650,000</u>	<u>\$50,000</u>	\$600,000	15	<u>\$87,000</u>
Total	\$1,000,000	\$200,000	\$800,000		\$117,000
BUT if Buyer must pay	Seller to accep	t an asset sal	e		<u>(\$27,500)</u>
Buyer's net benefit fro	m the asset sale	is:			\$89,500
Which as a percentage	e of the basis ste	ep-up value is	:		77%





Comparison of Case Studies

	<u>#I - High</u> <u>Machinery</u>	<u>#2 - High</u> <u>Intangibles</u>	#I – Prior <u>Law</u>	<u>#2 – Prior</u> <u>Law</u>
Purchase Price (Stock Sale)	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
Seller's Additional Tax + Gross Up	\$112,500	<u>\$27,500</u>	<u>\$129,000</u>	<u>\$31,000</u>
Adjusted Purchase Price	\$1,112,500	\$1,027,500	\$1,129,000	\$1,031,000
PV of Buyer Tax Benefit	\$143,000	\$117,000	\$208,000	\$195,000
Additional Purchase Price	(\$112,500)	<u>(\$27,500)</u>	<u>(\$129,000)</u>	(\$31,000)
Net Benefit to Buyer	\$30,500	\$89,500	\$79,000	\$164,000
Percentage of Added Value Retained by Buyer	21%	77%	38%	84%

- ▶ Buyer's "cost" of an asset sale depends on allocation of purchase price among assets
- ▶ Current tax law lowers Buyer's "cost" of an asset sale, BUT also lowers added value





Appendices





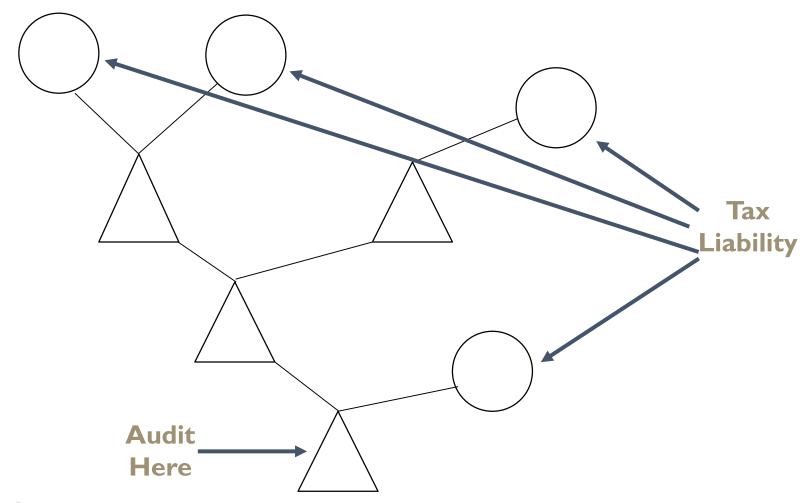
Partnership Audit Changes

- ▶ New partnership audit rules in effect for tax years ending in 2018 and later
- ▶ The partnership must designate a "Partnership Representative" for each year when it files its return
 - The designation is only effective for that tax year
- ▶ The Partnership Representative has sole authority to act on behalf of the partnership in an audit, and can bind the partners with respect to settlements
 - The partners have NO right under the code to participate in the audit process or receive notices from the IRS
 - To protect the partners, the LLC Agreement should at minimum impose information reporting requirements on the Partnership Representative
- Certain small partnerships may elect to opt out of the new audit rules
 - Must have less than 100 partners all of whom are individuals, C or S corps or estates
- After the audit is complete, the partnership has 45 days to elect to "push out" the tax liabilities to the partners from the prior year
- If the push out election is not made, the partnership must pay the tax





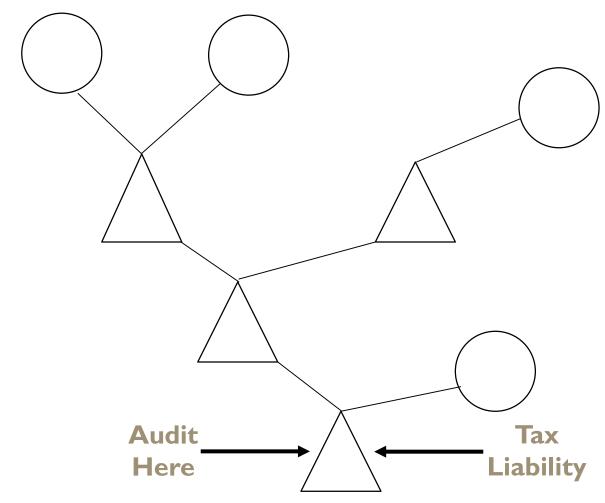
Partnership Audit Rules How Does the IRS Collect Tax?







Partnership Audit Rules How Does the IRS Collect Tax?







Carried Interest Rule Changes

- Holding period for long term capital gains increase from one year to three years.
- Applies to profits interest or service interests. Does not apply to capital interests.
- Applies to an applicable trade or business, which is defined as any activity that consists of:
 - Raising or returning capital AND
 - Investing in (or disposing of) "specified assets" OR
 - Developing "specified assets"
 - Specified assets are
 - Securities
 - Commodities
 - Real estate for rental or investment
 - Cash and cash equivalents
 - Derivative and options contracts
 - An interest in a partnership to the extent of the partnership's proportionate interest in specified assets





How to Adjust Pre-2018 Precedent Transaction Data

	Target			
2016 Transaction	Company			
(1) Enterprise Value	\$	65,000		
(2) Debt	1	.5,000)		
(3) Equity Value		50,000		
(4) EBITDA		7,750		
(5) Depreciation Expense		(1,500)		
(6) Interest Expense		900		
(7) Pretax Income		7,150		
(8) Taxes @ 39%		(2,789)		
(9) Net Income	\$	4,362		
(10) 2016 EV / EBITDA Multiple		8.4		
(11) 2016 Price to Net Income Multiple		11.5		
(12) 2016 Tax Rate		39.0%		
(13) 2018 Tax Rate		29.0%		

		2018
Subject Company	Va	aluation
(14) EBITDA	\$	7,750
(15) Depreciation Expense		(1,500)
(16) Interest Expense		900
(17) Pretax Income		7,150
(18) Taxes @ 29%		(2,074)
(19) Net Income	\$	5,077
EBITDA Multiple Approach		
(20) EBITDA	\$	7,750
(21) 2016 EV / EBITDA Multiple		8.4
(22) Enterprise Value		65,000
(23) Debt		(15,000)
(24) Equity Value	\$	50,000
Net Income Multiple Approach		
(25) Net Income	\$	5,077
(26) 2016 Price to Net Income Multiple		11.5
(27) Equity Value	\$	58,197





How to Adjust Pre-2018 Precedent Transaction Data

2016 Transaction	Target Cor	npany
1) Enterprise Value	\$ 65,0	00
2) EBITDA	7,7	50
3)2016 EBITDA Multiple		3.4
4) 2016 Tax Rate	39.0%	
5) 2018 Tax Rate	29.0%	
6) Equity Value Adjustment	1.164	
7) Enterprise Value Adjustment	1.126	
8) Equity Value Adjustment		
(1 - 2018 Tax R	ate)	
(1 - 2016 Tax R		
(1 - 2016 lax K	ate)	

(8) Equity value Adj	ustment
	(1 - 2018 Tax Rate)
	(1 - 2016 Tax Rate)

(9) Enterprise Value Adjustment

(12) 2016 EBITDA Multiple	8.4	8.4	
(13) Enterprise Value	65,000	65,000	
(14) Debt	 (15,000)	(15,000)	
(15) Equity Value	50,000	50,000	
(16) Equity Value Adjustment	1.000	1.164	
(17) Adjusted Equity Value	\$ 50,000 \$	58,197	16.4%
(18) Debt	15,000	15,000	_
(19) Enterprise Value	\$ 65,000 \$	73,197	12.6%
(20) Enterprise Value Adjustment			
(21) Enterprise Value	\$ 65,000 \$	65,000	
(22) Enterprise Value Adjustment	-	1.126	
(23) Adjusted Enterprise Value	\$ 65,000 \$	73,197	12.6%
(24) Debt	(15,000)	(15,000)	
(25) Adjusted Equity Value	\$ 50,000 \$	58,197	16.4%

Incorrect

Valuation

7,750 \$





2018 Tax Law

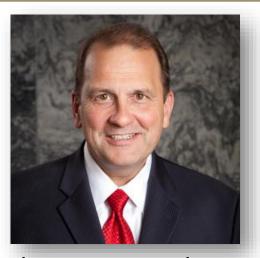
Correct

Valuation

7,750

Value

Increase



Scott T. Whittaker

Stone Pigman
Walther Wittmann, L.L.C.
Member
504.593.0836
swhittaker@stonepigman.com

Mr. Whittaker represents clients in a wide variety of transactions, including buying, selling and merging companies; private placements of securities; venture capital and private equity transactions; joint ventures; roll-ups, spin-offs and split-ups; and all phases of real estate acquisitions, development and financing. Mr. Whittaker is a member of the Management Committee at Stone Pigman, where he also leads the firm's Merger's and Acquisitions practice. He is currently Chair of the M&A Committee of the Business Law Section of the American Bar Association, and has been named by Best Lawyers as "Lawyer of the Year" in New Orleans, in the fields of Mergers and Acquisitions, Venture Capital Law and Corporate Law.







G. F. Gay Le Breton

Chaffe & Associates, Inc.
Managing Director
504.524.1801
glebreton@chaffe-associates.com

Ms. Le Breton heads the Mergers & Acquisitions group of Chaffe & Associates, Inc., with emphasis in services to privately held companies. She has more than 30 years experience in the structuring and negotiation of transactions, the valuation of for small- and mid-sized companies, and the development and execution of competitive processes for the sale or purchase of businesses. Ms. Le Breton is also President of Chaffe Securities, Inc., the firm's broker dealer subsidiary.







Daniel J. Walter

Stone Pigman
Walther Wittmann, L.L.C.
Member
504.593.0826
dwalter@stonepigman.com

Mr. Walter represents clients primarily in the areas of partnership and corporate tax, federal and state tax credits and incentives, real estate and corporate transactions, executive compensation and general corporate matters. He is a Tax Law Specialist, certified by the Louisiana Board of Legal Specialization. Prior to commencing his legal career, he worked as a pension actuary for a major human resources consulting firm and owned and operated a music venue in New Orleans.



