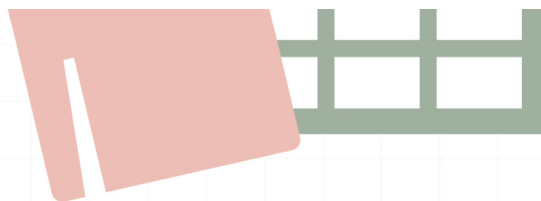




Modeling Cash Sweep



A Three Statement Forecast Model





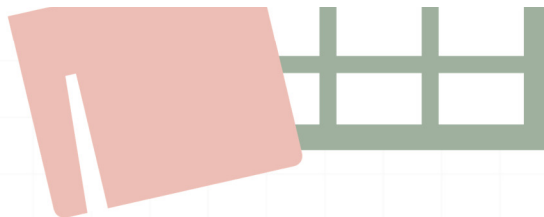
REMEMBER TO HAVE THE **ITERATION SETTING TURNED OFF** BEFORE STARTING



- 1 Input historical data for income statement and balance sheet
- 2 Calculate ratios and statistics
- 3 Decide on forecast assumptions
- 4 Build the forecast income statement except for interest
- 5 Build the forecast balance sheet except for cash, revolver and debt
- 6 Build the cash flow statement using the rules of cash
- 7 Plug cash into the balance sheet from the cash flow statement
- 8 Build the debt and interest calculations
- 9 Plug revolver and long term debt into the balance sheet
- 10 Link the interest into the income statement and deal with the circular reference

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Historic Data – One Feed Rule

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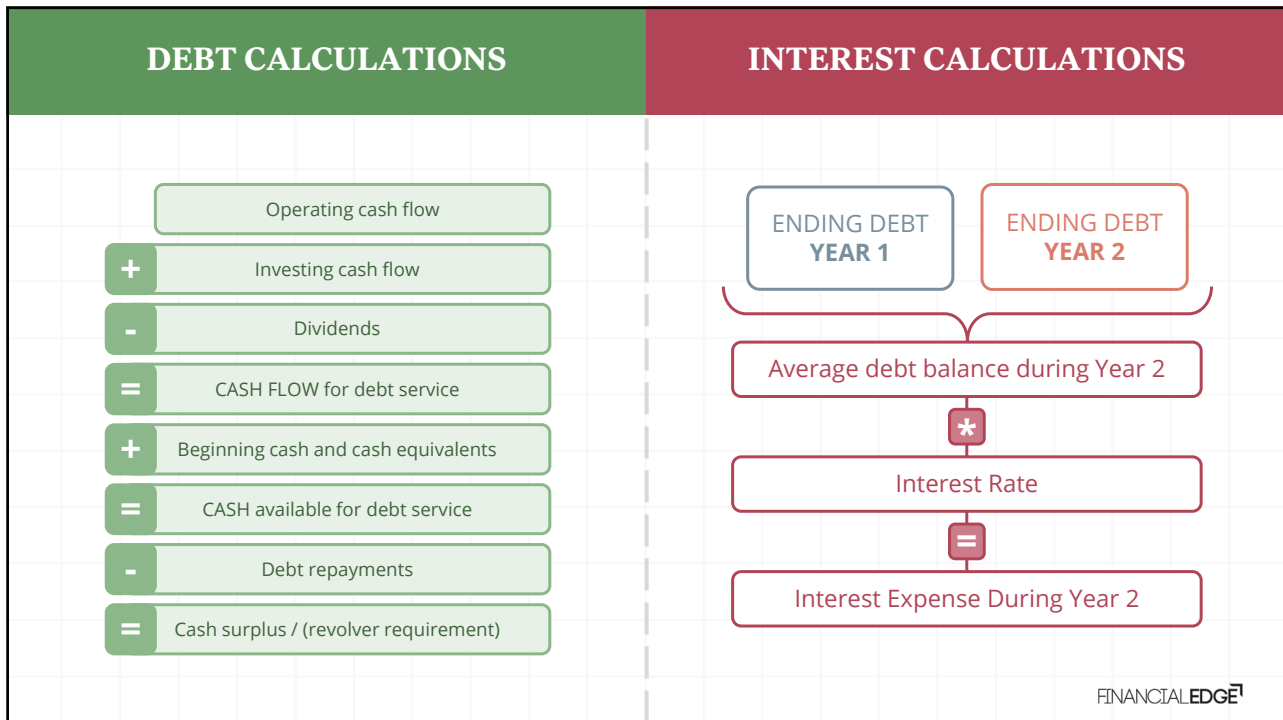
Balance Sheet		Net Debt and Interest Calculations	
Short term borrowings	2,000.0	Ending short term borrowings	2,000.0
Current operating liabilities	16,085.0	Ending 2.125% Notes due on May 19, 2016	1,000.0
Total current liabilities	18,085.0	Ending 3.625% Notes due on May 19, 2021	1,000.0
Long term debt	3,225.0	Ending 3.375% Notes due on February 25, 2024	1,000.0
Other non current liabilities	5,820.0	Ending capital lease obligation	225.0
Total liabilities	27,130.0	Long term debt	3,225.0
Total equity	120,331.0		
Total liabilities and equity	147,461.0		
Check?	0.0		

Historic BS debt linked to back up calculations

Historic data input in back up calculations

HARD CODE ONLY ENTERED ONCE

Debt and Interest Calculations - Overview



Revolver / Short Term Borrowings

Cash available to service debt		1,150.0	1,025.0
Total mandatory debt repayments		(400.0)	(100.0)
Surplus cash after mandatory debt repayments		750.0	925.0
Less minimum required cash		(50.0)	(50.0)
Surplus cash / (short term borrowing requirement)		700.0	875.0
Beginning short term borrowings		200.0	0.0
Short term borrowings issuance / (repayment)		(200.0)	0.0
Ending short term borrowings	200.0	0.0	0.0
Interest rate		4.0%	4.0%
Interest expense		4.0	0.0
Cash available for accelerated repayments		500.0	875.0

Do not exceed debt due to avoid overpayment

Use = MIN (surplus cash, beginning ST borrowings)

Cash Sweep – Mandated & Accelerated Payments

Mandated and Accelerated Payments

Cash available for remaining accelerated repayments	500.0	875.0	Cash available is already AFTER the mandatory repayments and interest
Beginning term loan A	1,000.0	100.0	
Mandatory repayment	(400.0)	(100.0)	Mandatory repayments are made, but may be reduced because of prior acceleration
Accelerated repayment	(500.0)	0.0	
Ending term loan A	1,000.0	100.0	Accelerated repayments are made if have debt to be repaid AND if have cash available
Interest rate	2.1%	2.1%	
Interest expense	11.7	1.1	
Cash available for remaining accelerated repayments	0.0	875.0	In calculating cash available, only include the impact from the accelerated, not mandatory payment above
Beginning term loan B	850.0	850.0	
Mandatory repayment	0.0	0.0	
Accelerated repayment	0.0	(850.0)	In accelerated repayments, take care not to overpay the debt due
Ending term loan B	850.0	850.0	
Interest rate	3.6%	3.6%	
Interest expense	30.8	15.4	Accelerated repayment typically only possible for term loans NOT bonds or notes

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Revolver Detail

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	Act.	Est.	Est.
Cash available to service debt		2,000.0	1,200.0
Total mandatory debt repayments		(1,225.0)	(1,500.0)
Surplus cash / (revolver requirement)		775.0	(300.0)
Beginning revolver		2,000.0	1,225.0
Revolver issuance (repayment)		(775.0)	300.0
Ending revolver	2,000.0	1,225.0	1,525.0

From **debt calculations**

After **mandatory repayments**

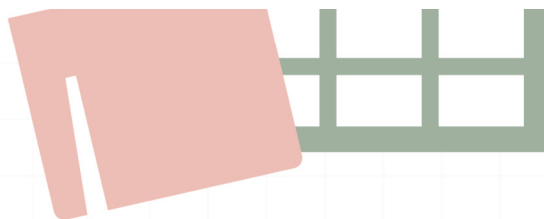
From prior **ending balance**

Surplus cash drives a repayment up to the level of **beginning balance**

Revolver requirement drives an **issuance**

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Long Term Debt Detail

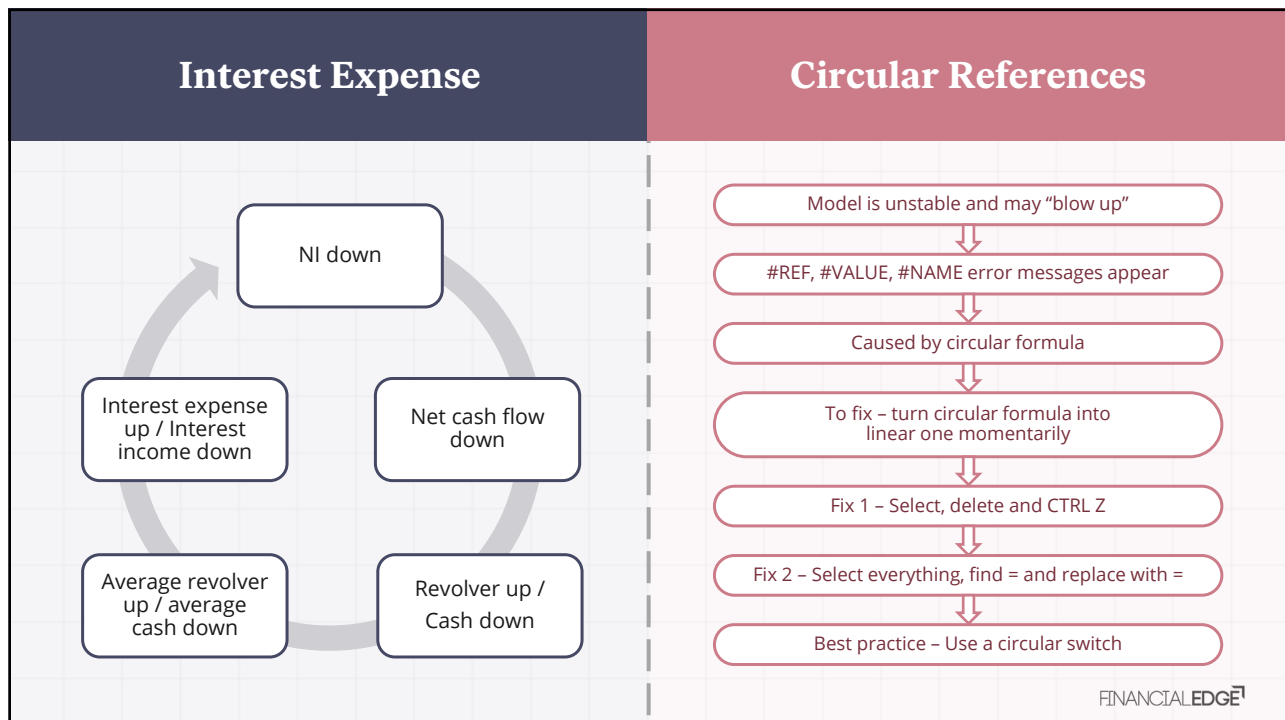
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	Act.	Est.	Est.	
Cash available for accelerated repayments		275.0	600.0	After revolver issuance / (repayment) AND mandatory repayments
Beginning term loan A		1,000.0	325.0	From prior ending balance
Mandatory repayment		(400.0)	(325.0)	Per loan documentation up to the level of beginning balance
Accelerated repayment		(275.0)	0.0	Lesser of amount owed and cash available for accelerated repayments
Ending term loan A	1,000.0	325.0	0.0	After revolver issuance / (repayment), mandatory repayments AND accelerated repayments on A notes
Cash available for accelerated repayments		0.0	600.0	From prior ending balance
Beginning term loan B		850.0	850.0	Per loan documentation up to the level of beginning balance
Mandatory repayment		0.0	0.0	Lesser of amount owed and cash available for accelerated repayments
Accelerated repayment		0.0	(600.0)	
Ending term loan B	850.0	850.0	250.0	

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Dealing with Circular References

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Prepare for Handoff



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1	Check that the output looks reasonable based on assumptions	✓
2	Ensure consistency of formatting: formulas black, hard numbers blue	✓
3	Is the layout intuitive	✓
4	Are complex calculations broken down into steps?	✓
5	Is the model documented where necessary?	✓
6	Is the circular switch ON , is iteration ON	✓
7	Is the model beauty saved? (Ctrl + Home on every sheet)	✓

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