Marriott Corp Cost of Capital Thecasesolutions.com

Summary of Case Thecasesolutions.com

1. Lodging 2. Restaurants

3. Contract Services

Marriott Corporation is made up of three divisions:

They are looking for the cost of capital for each of

P(chosen 3x in a row)=1/12*1/12*1/12=0.00058

Types of investments we could value using Marriott's WACC

There are two requirements that should be satisfied before using Marriott's WACC to evaluate prospective

- westments:
 The investment opportunity must have the same systemic risk as Marriott as a whole.
 The investment must have a similar leverage level to Marriott as a whole.

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Thecasesolutions.com Cost of Capital for Marriott as a whole

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To find the cost of capital, we use the following

 $r_M^D = r_f^{10} + \beta_M^D + MRP = 8.95\% + 0.7.43\% = 8.95\%$ $r_M^E = r_i^{90} + \beta_M^E + MRP = 8.95\% + 1.11*7.43\% = 17.20\%$ $r_M = \frac{D}{D-E} = r_M^D + \frac{E}{D-E} = r_M^E - 41\%*8.95\%*59\%*17.20\%-13.82\%$

information:

Summary of Case The cases olutions.com

Marriott Corporation is made up of three divisions:

- 2. Restaurants
- 3. Contract Services

They are looking for the cost of capital for each of their divisions.

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How would using a single corporation hurdle rate affect the company over time?

As different divisions have different systemic risks and leverage levels, using a single corporation hurdle rate to evaluate investment opportunities would be inappropriate. Risk for the whole corporation would be lower than the risk for the single project because risk for the whole corporation is more diversified.

- · If hurdle rate is too low, more projects will be accepted.
- · If hurdle rate is too high, fewer projects will be accepted.

This could ultimately result in investments which are not aligned with

Cost of Capital for Each Division Scenario 1: Equal weighting for comparable company betas

- $\begin{array}{ll} \beta_{s}^{f} = 0.4223; \ \beta_{s}^{f} = 0.8566 \\ r_{s} = r_{s}^{2} + |p_{s}^{f}| |DSF| = 0.50840.4223 + 7.4288 + 12.0348 \\ r_{s} = r_{s}^{(3)} + |\beta_{s}^{f}|, \ Mathematical association 4.2886 + 2.4288 + 13.0348 \\ \end{array}$

Scenario 2: Revenue-based weighting

- and 2. Revenue-based weighting p_2^1 0.413; p_3^2 0.846 $r_1 = r_2^4 + |\vec{p}|_2$ Mar =3.25% 0.4113*7.45%=12.00% $r_2 = r_2^4 = 0_2^4$ M/FP =3.72%=0.8486*7.45%=15.025%
- $f_2 = f_2 f_3$ a 3000 —



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mrp=7.43% beta of debt=0

$$\begin{split} r_M^D &= r_f^{30} + \beta_M^D * MRP = 8.95\% + 0*7.43\% = 8.95\% \\ r_M^E &= r_f^{30} + \beta_M^E * MRP = 8.95\% + 1.11*7.43\% = 17.20\% \\ r_M &= \frac{D}{D+E} * r_M^D + \frac{E}{D+E} * r_M^E = 41\% * 8.95\% + 59\% * 17.20\% = 13.82\% \end{split}$$

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