

Volume Calculation
36 Shenley Ave

Hip To Gable

Base length of gable	8.48
Height of gable	2.88
Top width from hip to gable	4.24

Dormer

Dormer width	5.45
Dormer height	2.38
Dormer depth	3.86

Volume of Hip to Gable

Base areas (1/2 x (length of hip to gable x height of gable))	
0.5 x 7 x 3.2	12.21
Hip to gable 1/3 x base x gable extension length	
1/3 x 11.2 x 3.5	17.26

Volume of dormer

1/2 x dormer width x dormer length x dormer height	25.03
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Total volume increase

Hip to gable + dormer	
14 + 20.22	42.29