

**Burton's Fire
Rollover Stability Calculations Worksheet**

Customer	Example
Estimate #	0
Work Order #	0

Open Date:	4/25/2014
Edit Date:	4/25/2014

Build-up components:

Item	Weight	Height of Weight
Body	475	35
Water tank	3,454	79
Water	15,000	79
Pump	370	30
Plumbing	355	50
Modular	420	62
Suction hose	150	56
Fol-da-tank	600	63
Rear dump	75	55
Rear step	200	29
TOTAL	21,099	

Key:

Measurement	Unit
Weight	pounds
distance	inches
Angle	degrees

Fire department equipment:

Item	Weight	Height of Weight
Personnel	750	75
Equipment	1,500	35
	0	0
	0	0
	0	0
	0	0
	0	0
TOTAL	2,250	

Intermediate results:

	Dimension
Chassis rear track width	94
Height of Center of Gravity	73

Tilt Results: (NFPA 1901 4.13.1.1 (1))

	Angle
Calculated tilt	26

COG Results: (NFPA 1901 4.13.1.1 (2))

	Dimension
80% of chassis rear track width	75
COG under 80% of rear track width	3