

**Data and Chart Provided by RWDI for the purpose of The City of Calgary Advanced Weather Forecasting System (AWFS)**

<b>Wind Speed (mph)</b>	<b>Wind Speed (km/h)</b>	<b>Items at Risk of Takeoff</b>
4 - 7	6 - 12	Ball of Crumpled Paper; Piece of Paper; Tarp
4 - 12	13 - 20	Disposable Coffee Cup, Empty
13 - 18	21 - 30	2" Polystyrene Rigid Insulation
19 - 25	31 - 40	R-12 Insulation, single sheet; 3/8" Plywood Sheet; Steel Stud, 162SSP-25; Circular Ducting, 6" diameter
26 - 31	41 - 50	Sheet Metal, Aluminum, 20 gauge; 1/2" Plywood Sheet; Steel Stud, 600SSP-20; Plastic Pipe/Conduit, 1/2" diameter
32 - 38	51 - 61	1/4" Nut, Finished Hex; Swing stage, 5 m long, with netting; Hard hat, not on head; 4' x 4' x 4' Wooden Garbage Container; 3/4" Plywood Sheet; Rectangular Ducting, .1 by .2 m; Rectangular Ducting, .4 m by .8 m
39 - 46	62 - 74	Disposable Coffee Cup, 1/2 Full; R-12 Insulation, single package; 1/4" Bolt, Hex, 1" Length; Sheet Metal, Steel, 20 gauge; Drywall Sheet, 3/8"; Q Decking
47 - 55	75 - 89	1/2" Nut, Finished Hex; Scaffolding, with netting, 36 ft high; Drywall Sheet, 5/8", Fire Rated; Plastic Pipe/Conduit, 4" diameter
56 - 64	90 - 103	Disposable Coffee Cup, Full; R-12 Insulation, pallet; Rebar, 10M
65 - 74	104 - 119	1" Nut, Finished Hex
75+	120+	2" Nut, Finished Hex; 1" Bolt, Hex, 3" Length