How to calculate shadow flicker

Continuum 3 Tutorials

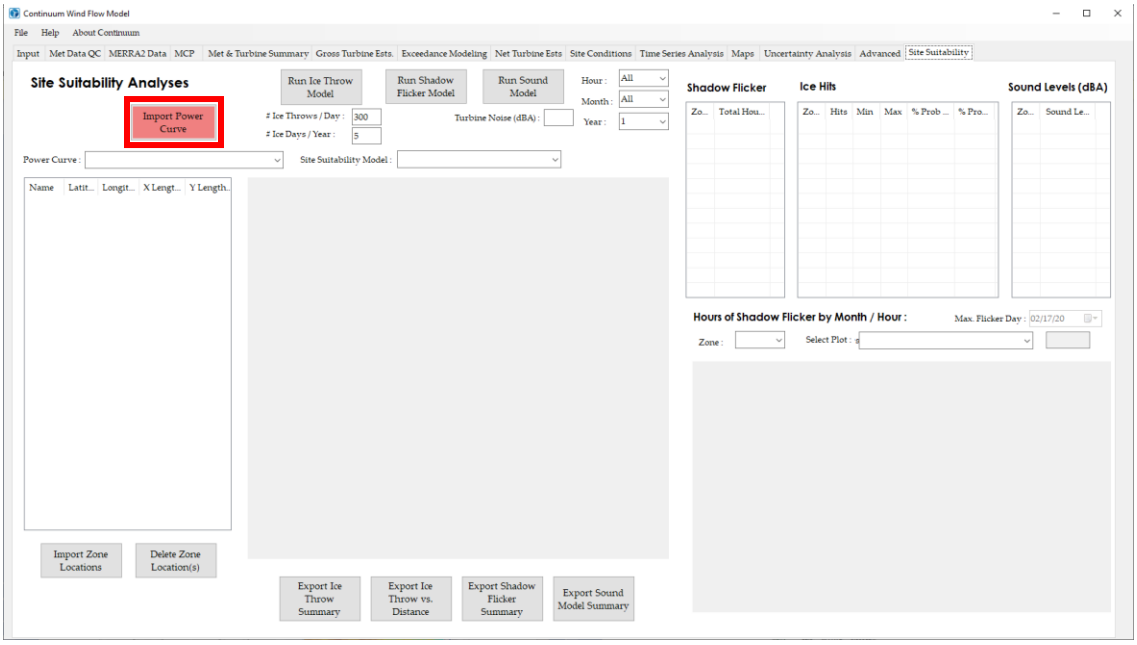
Tutorial Summary:

Learn how to calculate number of shadow flicker hours per month at each specified zone and create map of shadow flicker hours.

1) Import turbine sites
   - Save turbine latitude and longitude (decimal degrees) to a .csv file
     - Name, Latitude, Longitude

	A	B	C	D
1	1	25.14716	-73.9204	
2	2	25.14689	-73.9177	
3	3	25.1477	-73.9144	
4	4	25.14752	-73.9111	
5	5	25.14843	-73.9088	
6	6	25.15248	-73.9232	
7	7	25.153	-73.9212	
8	8	25.15359	-73.9194	
9	9	25.15627	-73.9112	
10	10	25.15633	-73.9091	
11	11	25.16032	-73.9073	

   - Go to 'Input' tab
   - Click 'Import' under 'Turbine Sites'
2) Import power curve
   - Go to 'Site Suitability' tab
   - Click 'Import Power Curve'

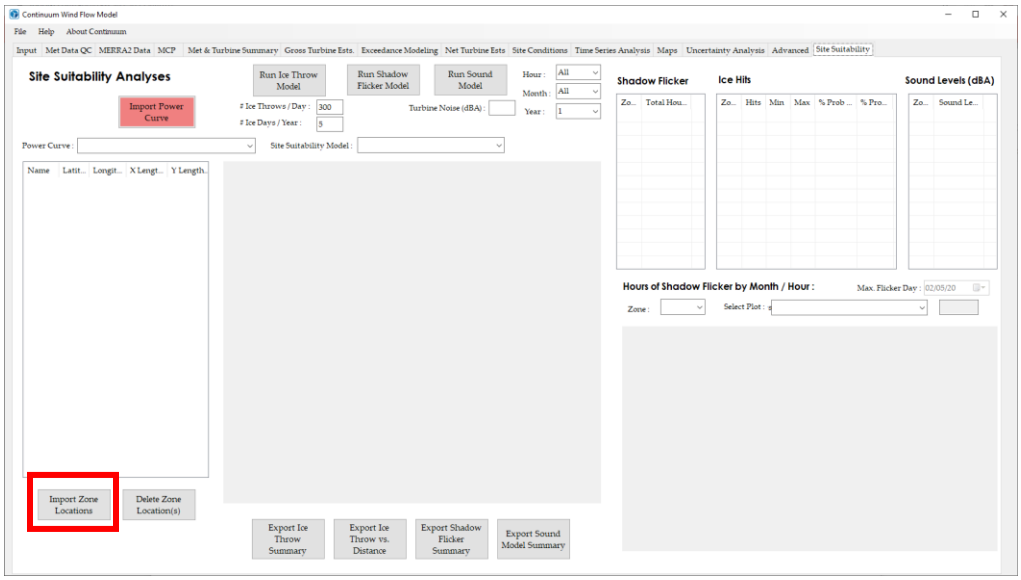


How to calculate shadow flicker

3) Import zone locations
   - Specify latitude, longitude, size (E-W, in meters), size (N-S, in meters) in .csv file as shown below:

	A	B	C	D	E	F
1	Z1	49.56952	-117.526	10	15	
2	Z2	49.56856	-117.531	20	20	
3	Z3	49.57949	-117.535	25	10	
4	Z4	49.57474	-117.553	5	15	
5	Z5	49.57373	-117.577	10	15	
6	Z6	49.57356	-117.574	25	20	

   - Go to 'Site Suitability' tab, click 'Import Zone Locations'



4) Calculate shadow flicker
   - Click 'Run Shadow Flicker Model'