

# HAIL STOW AND RISK EVALUATION FORM

Version 1.0.0

Access to comprehensive data allows underwriters to accurately assess risks, customize coverage, improve pricing accuracy, speed up the underwriting process, and enhance loss prevention efforts. Detailed project information enables a more precise evaluation of potential risks and exposures, resulting in tailored insurance solutions that align with each project's unique needs, allowing for a more precise evaluation of potential risks and exposures, leading to customized insurance solutions that match the unique needs of each project.

**Hail risk mitigation best practices can be found in VDE's recent white paper: [LINK](#)**

## INSTRUCTIONS

All fields are optional, fill out as much as you are able. Any information provided may be considered during underwriting & could lead to significant premium reductions.

Responses below apply to entire PV fleet

Please fill out this form for each site that may have hail exposure or indicate if responses apply to the entire fleet. This form is especially recommended for sites located in the following states:

TX, OK, KS, NE, CO, NM, WY, SD, IA, MO, AR, LA, NC, SC, GA, AL, MT, ND, MN, WI, MI, NY, PA, NJ, OH, IN, IL, KY, WV, VA, DE, MD, DC, TN, MS, FL, VT, CT, MA

This form has been reviewed and verified by the independent engineering firm VDE.



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## SECTION 1: PROJECT DATA

Information in this section can be substituted with the Nextracker racking manufacturer project fact sheet.

PROJECT NAME	
ASSET OWNER	
PROJECT LAT/LONG <small>Or address</small>	
PV MODULE MAKE	
PV MODULE MODEL	
RACKING MANUFACTURER	
RACKING MODEL	
CONSTRUCTION START DATE	
COMMERCIAL OPERATION DATE	
MOUNT TYPE	
MOUNTING STRUCTURE	<input type="checkbox"/> 1-axis <input type="checkbox"/> 2-axis <input type="checkbox"/> fixed
MAX TILT ANGLE <small>Or fixed tilt angle</small>	<input type="checkbox"/> Groundmount <input type="checkbox"/> Rooftop <input type="checkbox"/> Carport <input type="checkbox"/> Other
TIME TO TILT <small>From 0° to max tilt angle</small>	
STOW TYPE <small>Automated, semi-automated, manual</small>	
24 HOUR STAFFING <small>For putting the system into hail stow</small>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Other: _____
HAIL ALERT WEATHER PROVIDER & PRODUCT	
LEAD TIME FOR HAIL ALERTS	
OPERATOR <small>or remote operations center provider</small>	
EPC PROVIDER	
3 <sup>RD</sup> PARTY EVALUATOR <small>Please attach inspection report</small>	

## SECTION 2: STOW PROTOCOLS

**Prioritization of Stow:**

Help us to understand the project’s stow prioritization. Assuming all triggers are active at the same time, rank which stow would take top precedence as priority level 1.

The direction can be “nearest,” a cardinal direction (e.g., “East”), a direction relative to the wind (“Into Wind” or “Away from Wind”), or left blank if the angle is 0.

Screenshots of current settings in stowing software may be acceptable replacements for this information.

STOW TYPE	PRIORITY (1,2,3...)	ANGLE (in degrees)	DIRECTION	TRIGGERS (wind speed trigger for stow, etc)
HAIL				Forecasted Hail Size: _____ Forecasted Hail Probability: _____ Radius of Forecast: _____
WIND				Wind Speed: _____
FLOOD				
SNOW				
NIGHT				
LOW VOLTAGE STOW				
CONSTRUCTION If applicable				

**Other comments:**

*A place to explain things like any redundancies in place, or if the direction of stow choice is based on alert parameters x,y,z (e.g. wind speed, time to event, etc.), or if prioritization changes under various scenarios for any reason.*

## SECTION 3: HAIL STOW EVENTS

In this section, tell us how stow systems have performed over the past 24 months, including during testing scenarios. This section can be replaced by the Nextracker Stow History report and Hail Readiness Report, if applicable. Other stow history, protocol reports, screenshots, or spreadsheets may be applicable and attached to this form.

Stow procedures were tested at commissioning, and report is attached

**How often is Hail Stow Tested?**

\_\_\_ Annually    \_\_\_ Quarterly    \_\_\_ Monthly    \_\_\_ Other: \_\_\_\_\_

STOW START DATE/TIME	STOW END DATE/TIME	PLANNED TEST? (Y/N)	% OF SITE SUCCESSFULLY STOWED	ASSUMED HAIL SIZE ON SITE (in)	COMMENTS
<i>EXAMPLE</i> 12/01/2024 12:00 PM	12/01/2024 1:00 PM			<i>E.g. 2 in</i>	<i>E.g. "Site suffered damages..."</i>

**Waiver**

- kWh Analytics is permitted to reach out to the racking manufacturer listed above to discuss site level details.
- kWh Analytics is not permitted to reach out to the racking manufacturer listed above to discuss site level details.
  
- kWh Analytics is permitted to reach out to third-party evaluator listed above to discuss site-level details.
- kWh Analytics is not permitted to reach out to third-party evaluator listed above to discuss site-level details.

The below hereby attests all information provided in this document is true and correct to the best of their knowledge.

Name: \_\_\_\_\_

Signature: \_\_\_\_\_