Ariel Syndicate at Lloyd’s of London
Production / PR Guarantee for Portfolios of Distributed Solar

All Energy Australia 2020
Case Study

European Installer of residential and commercial rooftop projects. Provides kWh Production Guarantee at 92% of P50. Ariel Re backs liabilities arising out of EU wide issued kWh Guarantees.

Insured event
At the end of each 12 month period the actual yield (kWh) is below the insured yield, as a consequence of
• Reduced system performance ratio; from the expected or/and
• Reduced solar irradiation; from the expected

Insured Perils
• Extensive clouding
• Component Performance (modules, inverters, cables)

Liability Period
• 10 years

Indemnification
• Pre-agreed fixed USD/kWh rate for indemnification of loss for each system
Underwriting milestones

Planning phase

• Pre-agreed methodology of kWh yield calculation
• Pre-agreed locations where systems are insured
• Pre-agreed:
  ✓ data source for historical GHI
  ✓ shading prediction methodology
• Pre-agreed suppliers of solar modules, inverters and other components
• Pre-agreed methodology of predicting the initial performance ratio of the system

Operation phase

• O&M details
• Recovery plans
• ‘Live’ monitoring of each system yield

Policy Terms

Premium: $cent/ kWh guaranteed

Deductible: $cent/kWh guarantee (if applicable)

Policy Period: defines period in which all systems are covered under policy, i.e. build and commissioned

Premium is defined based on Sales Expectations and adjusted at the end of Policy Period based in Final Sales.
Ariel Reinsurance (Ariel Re)
Leader in providing bespoke Performance Insurance to the CleanTech community

S&P : A +        FITCH : AA-        A.M. BEST : A

SOLAR
• 50+ GW of insured module Performance Guarantees
• 3+ GW of insured project Production / PR Guarantees
• Revenue Put: combining Production Guarantee with credit risk of commercial PPAs

WASTE 2 ENERGY
• Backed $0.5bn in W2E project debt

STORAGE
• 1+ GWh of insured Capacity Guarantees