



## HYBRID POWER GENERATION FOR AUSTRALIAN OFF-GRID MINES



From volatile fuel and commodity prices through to an increasing need for energy security, a growing number of mining companies around the world are turning to renewable energy to help solve these challenges. Global expectations on carbon pricing and the increased importance of social licence are also pushing industry leaders to pursue renewable energy options.

During the past five years, ARENA has invested more than \$30 million in demonstration projects and feasibility studies to understand how hybrid power generation at mine sites can become a reality. As wind and solar prices continue to decline, the economic case for deploying renewables has become more compelling.

The *Hybrid power generation for Australian off-grid mines* handbook was published in June 2018 through an electronic newsletter to a targeted list of 100 key stakeholders. In the two weeks following, this newsletter had been forwarded and opened more than 1300 times.

By combining subject matter expertise with industry engagement and real life case studies, the handbook presents a practical guide for the mining and power industry sectors on the opportunities, challenges and key determinants of the commercial and technical viability of hybrid power generation.