






AES Indiana used a combination of data from industry sources to develop the first-year assumptions for replacement resources for the 2022 IRP. Replacement resource capital cost forecasts were calculated by averaging forecasts from three sources.

COMMERCIALLY AVAILABLE RESOURCES

Only technologies that can be implemented commercially at scale and are proven cost-effective are being considered in this IRP. Other new and emerging technologies that present a potential path to a zero-carbon future may be considered in future IRPs.

				
DSM/EE	Wind	Solar	Storage	Natural Gas
→ Energy efficiency and demand response bundled into tranches for planning model section	→ Land-Based Wind	→ Utility-Scale → Commercial and Industrial → Residential	→ Utility-Scale Standalone → Solar + Storage	→ Combined Cycle Gas Turbine → Combustion Turbine → Reciprocating Engine/Internal Combustion

KEY ASSUMPTIONS

These assumptions are used to select resources when energy or capacity is needed in the planning model.

Overnight Capital Cost



Costs associated with development and construction of resource

Operating Cost



Fixed costs incurred whether plant is operating or not



Variable costs associated with electricity production

Operating Characteristics



Solar and wind generation profiles, effective load carrying capacity, megawatt limits and asset useful life



Storage ramp rates, capacity accreditation, megawatt and megawatt-hour limits and asset useful life



Natural gas heat rates, ramp rates, capacity accreditation, megawatt limits and asset useful life