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distinguish the review from prior similar efforts. First, given that energy consumers and end-users ultimately seek to satisfy demand or perceived needs for energy services (rather than, say, kilowatt-hours), an energy services lens is applied to better understand and characterize the sustainable energy challenge [8].

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It is crucial to take action to curb the adverse effects of human behavior on the environment. According to the International Energy Agency (IEA), with the rapid development of a secure and sustainable energy system with net-zero emissions, the proportion of new generation fuel and renewable energy keeps increasing [2].

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