Rings generated by their units (as a ring) have been studied by several authors. Fischer and Snider proved that for every \( \pi \)-regular ring \( R \) with each of its (left) primitive factors artinian, each element of \( R \) can be written as the sum of two units if and only if \( \mathbb{Z}/2\mathbb{Z} \) is not a homomorphic image of \( R \). This was extended to exchange rings with primitive factors artinian by H. Chen. We will discuss new results along these lines which characterize when rings in a certain class (containing all exchange rings with primitive factors artinian) are generated by their units. (Received September 26, 2006)