Alspach conjectured that every $2k$-regular connected Cayley graph on a finite abelian group $A$ with connection set $S = \{s_1, \ldots, s_k\}$ has a hamiltonian decomposition. In 2009, the conjecture was proved for 6-regular graphs of odd order. This talk discusses techniques used to generalize this result for even order graphs. (Received September 22, 2009)