The harmonic Dirichlet space $D(\mathbb{T})$ is the Hilbert space of functions $f \in L^2(\mathbb{T})$ such that

$$
\|f\|_{D(\mathbb{T})}^2 := \sum_{n \in \mathbb{Z}} (1 + |n|) \hat{f}(n)^2 < \infty.
$$

We give sufficient conditions for $f$ to be cyclic in $D(\mathbb{T})$, in other words, for $\{\zeta^n f(\zeta) : n \geq 0\}$ to span a dense subspace of $D(\mathbb{T})$. (Joint work with E. Abakumov, O. El-Fallah and K. Kellay.)