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Selvi Kara Beyarslan* (selvi@southalabama.edu), Department of Mathematics and Statistics, 411 University Blvd. North, Mobile, AL 36688, **Tai Huy Ha** (tha@tulane.edu), Department of Mathematics, 6823 St. Charles Ave., New Orleans, LA 70118, and **Augustine O’Keefe** (aokeefe@conncoll.edu), Mathematics Department, 270 Mohegan Avenue Pkwy., New London, CT 06320. *Algebraic properties of toric rings of graphs.*

Let $G = (V, E)$ be a simple graph. We investigate the Cohen-Macaulayness and algebraic invariants, such as the Castelnuovo-Mumford regularity and the projective dimension, of the toric ring $k[G]$ via those of toric rings associated to induced subgraphs of G . (Received July 28, 2017)