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A generating family for a Legendrian knot  $L$  in standard contact  $\mathbb{R}^3$  is a family of functions  $f_x$  whose critical values coincide with the front projection of  $L$ . Pushkar introduced combinatorial analogs of generating families known as Morse complex sequences which have been studied in connection with augmentations of the Chekanov-Eliashberg DGA by the first author. We will describe how to associate a differential graded algebra (DGA) to a Legendrian knot with chosen Morse complex sequence and discuss the geometric motivation from generating families. (Received January 18, 2011)