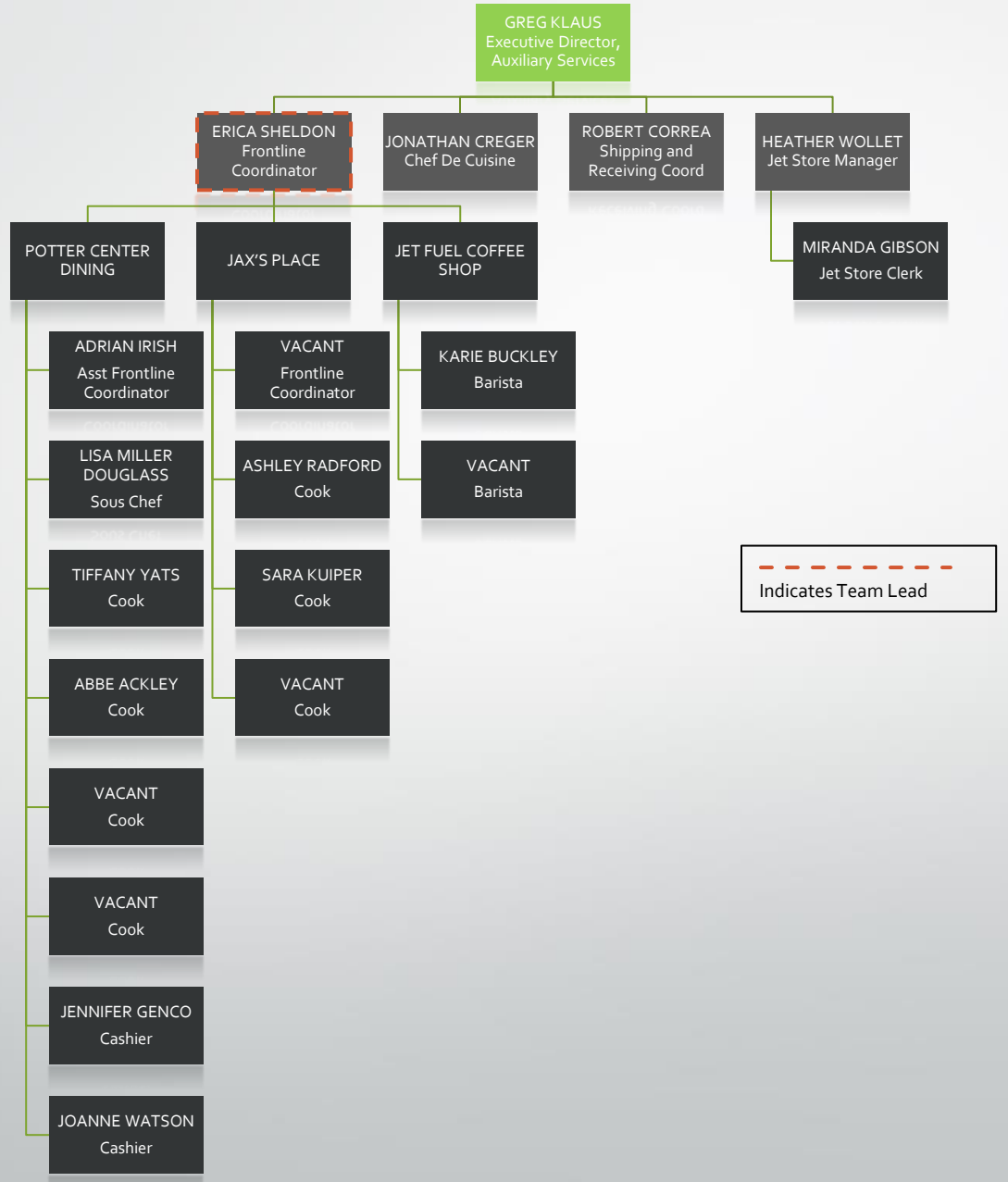Auxiliary Services