Human beings have used geothermal sources since ancient times and are still using. Afyonkarahisar is one of the cities in which thermal sources are increasingly used in tourism. The aim of this study is to present the importance of geothermal sources in terms of tourism and their sustainable usage, and these sources constitute the most attractive part of Afyonkarahisar’s tourism. Investments on tourism in this city as increased recently as well as unplanned urbanization and environmental problems due to the uncontrolled and excessive usage of thermal water. Unproductive and inefficient usage of thermal water jeopardizes the sustainability of sources. Necessary precautions should be taken such as the protection of thermal waters, drilling and distributing it from one single place and preventing illegal drills, since the future of tourism in the city depends on geothermal sources.