

**RESOLUTION NO. 2017-007**

**RESOLUTION IN SUPPORT OF A GEOTHERMAL GRANT APPLICATION BY  
GOLDEN HAVEN HOT SPRINGS FOR CONSTRUCTION OF A GEOTHERMAL  
HEAT EXCHANGE AND REINJECTION WELL PROJECT**

**WHEREAS**, the City of Calistoga recognizes that it is in the interest of the regional, state, and national economy to develop alternative energy resources to reduce greenhouse gas emissions; and

**WHEREAS**, geothermal energy is indigenous to Calistoga, and its careful development has provided numerous benefits to the local community in the form of jobs, improved local tax revenue and reduced fuel costs; and

**WHEREAS**, funds are available from the California Energy Commission Geothermal Grant and Loan Program (GRDA) for grants and loans to private entities for geothermal-related activities; and

**WHEREAS**, Calistoga owns and operates the City's wastewater treatment facility (WWTF) which treats wastewater discharged by businesses and residents, including geothermal water from spas and resorts like Golden Haven Hot Springs; and

**WHEREAS**, geothermal water and certain spa waste products contain naturally occurring minerals and elements including boron and antimony; and

**WHEREAS**, on April 13, 2016 the San Francisco Bay Regional Water Quality Control Board adopted Order No. R2-2016-0018 reissuing NPDES Permit No. CA0037966 which includes effluent limits for certain constituents, including boron and antimony; and

**WHEREAS**, on April 13, 2016 the San Francisco Bay Regional Water Quality Control Board adopted Order No. R2-2016-0019 amending Cease and Desist Order No. R2-2014-0043 which requires the City to comply with effluent limits for antimony including preparation of a pollution prevention plan for antimony, and an antimony source control plan; and

**WHEREAS**, the use of geothermal heat exchangers and reinjection wells is start of the art operations and has been shown to significantly reduce antimony and boron concentrations in wastewater discharged by spas and resorts who have constructed these types of facilities; and

**WHEREAS**, the City has met with representatives from Golden Haven Hot Springs and determined that the proposed geothermal heat exchanger and reinjection well will have a positive impact on the City's ability to meet permit effluent limitations for boron and antimony at the WWTP.

**NOW, THEREFORE BE IT RESOLVED** that the City Council of the City of Calistoga hereby supports the grant application by Golden Haven Hot Springs and expresses their

gratitude to Golden Haven Hot Springs for taking the initiative and willingness to expend their own financial resources on the heat exchange and reinjection well project.

**PASSED, APPROVED, AND ADOPTED** by the City Council of the City of Calistoga at a regular meeting held this **17th day of January, 2017**, by the following vote:

**AYES: Councilmembers Lopez-Ortega, Barnes, Kraus, Vice Mayor Dunsford and Mayor Canning.**

**NOES:**

**ABSTAIN:**

**ABSENT:**



**CHRIS CANNING, Mayor**

**ATTEST:**



**MELISSA VELASQUEZ, Deputy City Clerk**