



Agenda Report

19-909

Agenda Date: 8/20/2019

REPORT TO COUNCIL

SUBJECT

Recognition of FIRST LEGO League Team "Cats Love Mars"

BACKGROUND

Team Cats Love Mars is an all-girls robotic team made up of students from Central Park Elementary School and Millikin Basics+ Elementary School. Team Cats Love Mars competed in the FIRST LEGO League Global Innovation Championship held on June 30-July 2, 2019, at the California Theatre in San Jose, California. The FIRST LEGO League Global Innovation Championship showcases the real-world, innovative solutions that the FIRST LEGO League teams create as a result of their project. The annual competition encourages teams to develop innovative solutions for real-world problems that demonstrate originality and have the potential to add significant value to the world.

After seeing the devastating effects of the Camp Fire in Paradise, California, the team sought out to create a solution that prevents fires using detection and monitoring. Their invention, Combustion Artificial Intelligence Thermal Imaging Safety System (C.A.T.S.S.), can detect fires, pre-ignition smoldering, hot spots, cool flames, and leaks on the International Space System (ISS) using radiation sensor thermal cameras and machine learning. With their innovative invention, Team Cats Love Mars was selected as one of the 20 semi-finalists in the world for the FIRST LEGO League Global Innovation Award.

DISCUSSION

As a Special Order of Business, the Mayor and Council invited Team Cats Love Mars to share about their invention, C.A.T.S.S. In recognition for inventing C.A.T.S.S. and for being selected as one of the 2019 First LEGO League Global Innovation Award Semi-Finalists, the Mayor and Council will present a Certificate of Special Mayoral Recognition to Team Cats Love Mars.

ENVIRONMENTAL REVIEW

This is an information report only and no action is being taken by the City Council and no environmental review under the California Environmental Quality Act ("CEQA") is required.

FISCAL IMPACT

There is no fiscal impact to the City other than staff time.

PUBLIC CONTACT

Public contact was made by posting the Council agenda on the City's official-notice bulletin board outside City Hall Council Chambers. A complete agenda packet is available on the City's website and in the City Clerk's Office at least 72 hours prior to a Regular Meeting and 24 hours prior to a Special Meeting. A hard copy of any agenda report may be requested by contacting the City Clerk's Office at (408) 615-2220, email clerk@santaclaraca.gov <<mailto:clerk@santaclaraca.gov>> or at the public information desk at any City of Santa Clara public library.

Reviewed by: Genevieve Yip, Acting Executive Assistant to the Mayor and City Council
Approved by: Deanna J. Santana, City Manager