CITY OF MILPITAS

ENERGY & ENVIRONMENTAL SUSTAINABILITY COMMISSION MEETING

FEBRUARY 20, 2019, 6:00 P.M.
CITY HALL 1ST FLOOR COMMITTEE CONFERENCE ROOM
455 E. CALAVERAS BLVD, MILPITAS CA 95035

I. ROLL CALL

II. PLEDGE OF ALLEGIANCE

III. SEATING OF ALTERNATES

IV. APPROVAL OF THE MINUTES OF THE JANUARY 16, 2019 ENERGY AND ENVIRONMENTAL SUSTAINABILITY (EES) COMMISSION MEETING

V. PUBLIC FORUM

Members of the audience are invited to address the Energy and Environmental Sustainability Advisory Commission on any subject not on tonight's agenda. Speakers must state their name and address for the Secretary's record, and limit their remarks to under three minutes. As an item not on the agenda, no response is required of City staff or the Commission; however, the Commission may place the item on the agenda for a future meeting.

VI. ANNOUNCEMENTS

VII. COUNCIL LIAISON REPORT

VIII. APPROVAL OF AGENDA

IX. NEW BUSINESS

1. **SOUTH BAY ODOR STAKEHOLDERS GROUP (SBOSG) ODOR STUDY UPDATE**
2. **SILICON VALLEY CLEAN ENERGY UPDATE**
3. **FREMONT TELSA POLICE PATROL VEHICLE PILOT**

XI. FUTURE AGENDA ITEMS

XII. ESTABLISH NEXT MEETING DATE

XIII. ADJOURNMENT

AGENDA INFORMATION

Copies of the agenda and supplemental documents relating to specific agenda items are available in the Public Works Department offices at 1265 N Milpitas Blvd. on Friday preceding a regularly scheduled meeting of the Energy and Environmental Sustainability Commission (third Wednesday of the month). A copy of the agenda is also available for review at the Milpitas Library. **A recorded agenda or minutes on standard cassette or printed in large type will be provided upon request to the Public Works Department for the visually impaired.** Additional information may be obtained from the Public Works Department, City of Milpitas, 1265 N Milpitas Blvd., Milpitas, CA 95035, (408) 586-2600 or e-mail at emarshall@ci.milpitas.ca.gov.

In compliance with the Americans with Disabilities Act, individuals requiring accommodation for this meeting should notify the Public Works Department 48 hours prior to the meeting at (408) 586-2600.

IX. NEW BUSINESS

1. SOUTH BAY ODOR STAKEHOLDERS GROUP (SBOSG) ODOR STUDY UPDATE

BACKGROUND: The South Bay Odor Stakeholders Group (SBOSG) was formed by Republic Services (Newby Island Landfill) as a requirement of Condition #24 of the December 7, 2016, City of San Jose Planned Development Permit No. PD14-014. This permit was for the vertical expansion of the existing landfill at Newby Island, 1601 Dixon Landing Road.

SBOSG meetings are held quarterly in January, April, July, and October to discuss odor related issues. Meeting stakeholders and attendees include the City of Milpitas (Council Member Nuñez and the Engineering Director); City of Fremont; San Jose Local Enforcement Agency; Republic Services; BAAQMD; Cal Recycle; representatives from Assembly member Kansen Chu's office; representatives from Senator Wiekowski's office; representatives from Ro Khanna's office; and Commissioner Kong as the Community Representative from Milpitas.

An outstanding SBOSG agenda item has been the completion of a regional odor study to be completed by a third party independent consultant funded by Republic Services. The first SBOSG meeting of 2019 was held on January 17, 2019 and resolution has been reached for the completion of the odor study.

Wayne Kino, BAAQMD Deputy Air Pollution Control Officer, and Rod Sinks, BAAQMD Director announced the BAAQMD will fund and conduct the required study. The study is currently in the Request for Proposal (RFP) phase, and the RFP was distributed to the SBOSG group for review and comment.

The study will focus on three facilities which include Republic Services, ZWED, and the San Jose-Santa Clara Regional Wastewater Facility. BAAQMD hopes to start the study as early as February, however it will be a long term study of at least a year or more to capture seasonal changes. The study will be scientifically based with laboratory analysis to determine chemical compounds within odors at the facilities, develop odor profiles and determine chemical markers within odors, and determine markers that could be included in odors generated as a means of tracing odors back to a specific facility for the purpose of developing mitigation.

BAAQMD is looking to fast-track this study as a means of helping the City of Milpitas.

MRF Facility Improvement Project:
Both BAAQMD staff and Republic Services representatives mentioned that improvements plans for the enclosure and abatement of the Materials Recycling Facility (MRF) have been submitted to BAAQMD and the City of San Jose Planning Department for review and approval. BAAQMD states their review will commence in February. The MRF enclosure project is designed to close off the various odorous operations within the MRF building as a means of circulating air and treating air that is exhausted to the environment. The design and permitting phases are anticipated to required 24 months to complete.

San Jose LEA/BAAQMD Inspection Collaboration:
Staff from the San Jose Local Enforcement Agency (LEA) reported that the LEA, CalRecycled, and BAAQMD staff had reached agreement on methods the agencies can better partner and cooperate on odor enforcement. Previously, the LEA and BAAQMD did not share investigative and inspection data, which has now changed. This change has resulted in the issuance of citations.

The LEA has started a new program where they are conducting routine odor inspection patrols around areas with the most complaints. Currently four patrols are conducted a week, including one on the weekends. Patrols at night are also planned to determine if odors are determined outside of the normal 8-5 work day. It was mentioned this program has already resulted in the determination of composting odors which are being investigated. Mr. Sinks, BAAQMD Director, mentioned that he wants to resolve the BAAQMD/LEA coordination issues, and stated the BAAQMD is focusing on this.

BAAQMD Presentation to the City Council
Staff is coordinating with Mr. Wayne Kino, BAAQMD Deputy Air Pollution Control Officer, to provide a comprehensive presentation on this critical odor study at the March 5, 2019 City Council meeting.

RECOMMENDATION: Receive report and discuss as needed.

2. SILICON VALLEY CLEAN ENERGY

BACKGROUND: Silicon Valley Clean Energy (SVCE) is a local community choice energy agency that was founded in 2016 and began providing carbon free electricity to 12 South Bay communities in April 2017. In November 2017, the City Council approved City of Milpitas membership in SVCE and service to Milpitas residents and businesses began in June 2018.

In December 2018, the SVCE Board of Directors approved a new Decarbonization Roadmap that provides detailed initiatives to help local communities, businesses, and individuals further reduce carbon emissions. Representatives from SVCE will provide an update on services provided to Milpitas customers, as well as information on the programs included in its Decarbonization Roadmap.

RECOMMENDATION: Receive report and discuss as needed.

3. FREMONT TESLA POLICE PATROL VEHICLE PILOT

BACKGROUND: The Fremont Police Department announced in January that it will soon begin a pilot program to test a Tesla Model S 85 electric vehicle customized for patrol operations. In 2017, the City of Fremont formed a team comprising staff from the Police, Finance, Engineering, Information Technology, Building Maintenance, Fleet, Community Development, and Public Works Departments to study the feasibility of deploying a zero-emission vehicle for police field operations.
The pilot team purchased a used 2014 Tesla Model S 85 in January 2018 for $61,478.50 (including taxes and fees) to replace a 2007 Dodge Charger which was

scheduled to be taken out of service due to age. The Tesla is the only electric vehicle that met specifications for size, performance, battery range, and safety, all required for a fully deployable patrol vehicle.

Since purchasing the vehicle, the Fremont Police Department has been working with vendors to install the standard police equipment such as the light bar, push bumper, and ballistic barriers. The total invoiced costs for modifications to date are $4,447 and are expected to increase as final invoices come in. In comparison, a Ford Explorer with the police package costs approximately $40,000 with additional modification costs that are comparable to the Tesla. The initial buildup cost of the Tesla is slightly higher than that of a Ford due to the necessary customizations.

In addition, the cost of gas over a five-year period for the police Ford Explorer is approximately $32,000, and maintenance is estimated at $15,000. While the average life cycle of a police vehicle is approximately five years, electric vehicles may be operational for longer due to less mechanical issues.

The Fremont's pilot program team will monitor performance, durability, range, costs, and unknowns that will only be fully understood once the pilot test is completed and the results are evaluated. Once the vehicle is fully operational and deployed on patrol, the Fremont will share more photos and information after the deployment and give the community the opportunity to get an up-close view of the vehicle.

Milpitas Public Works and Finance staff are actively reviewing opportunities for greening the City fleet beginning with the City's motor pool and non-specialized vehicles. Additional information on the proposed strategy will be provided in the upcoming months.

RECOMMENDATION: Receive report and discuss as needed.

XI. FUTURE AGENDA ITEMS

See Attachment 1 for proposed 2019 EESC Work Plan.

XII. ESTABLISH NEXT MEETING DATE

The next Special Meeting of the Commission is scheduled for March 20, 2019 at 6 pm.

XIII. ADJOURNMENT

KNOW YOUR RIGHTS UNDER THE OPEN GOVERNMENT ORDINANCE

Government's duty is to serve the public, reaching its decisions in full view of the public. Commissions, boards, councils and other agencies of the City exist to conduct the people's business. This ordinance assures that deliberations are conducted before the people and the City operations are open to the people's review.

Materials related to an item on this agenda submitted to the Energy and Environmental Sustainability Commission after initial distribution of the agenda packet are available for public inspection at the Public Works Department at
1265 N. Milpitas Blvd., Milpitas during normal business hours.

For more information on your rights under the Open Government Ordinance or to report a violation of the ordinance, contact the City Attorney's office at Milpitas City Hall,
455 E. Calaveras Blvd, Milpitas, CA 95035 Phone : 408-586-3040
E-mail: cdiaz@ci.milpitas.ca.gov

The Open Government Ordinance is codified in the Milpitas Municipal Code as Title I Chapter 310 and is available online at the City's website www.ci.milpitas.ca.gov by selecting the Milpitas Municipal Code link.