



CITY OF CUPERTINO

AGENDA

TICC

10185 North Stelling Road, Quinlan Conference Room

Wednesday, May 7, 2025

7:00 PM

Members of the public wishing to observe the meeting may do so in one of the following ways:

- 1) Attend in person at Quinlan Community Center, 10185 N. Stelling Road
- 2) The meeting will also be streamed live on and online at <https://youtube.com/@cupertinocitycommission>

Members of the public wishing to comment on an item on the agenda may do so in the following ways:

- 1) Appear in person at Quinlan Community Center.
- 2) E-mail comments by 4:00 p.m. on Wednesday, May 7 to the legislative body at TICC@cupertino.gov. These e-mail comments will also be posted to the City's website after the meeting.

Oral public comments may be made during the public comment period for each agenda item.

Members of the audience who address the legislative body must come to the lectern/microphone and are requested to complete a Speaker Card and identify themselves. Completion of Speaker Cards and identifying yourself is voluntary and not required to attend the meeting or provide comments.

ROLL CALL

APPROVAL OF MINUTES

1. Subject: Approve the January 14, 2025, Special Meeting minutes
Recommended Action: Approve the January 14, 2025, Special Meeting minutes
[A - Draft Minutes](#)

ORAL COMMUNICATIONS

This portion of the meeting is reserved for persons wishing to address the Commission on any matter within the jurisdiction of the Commission and not on the agenda. Speakers are limited to three (3)

minutes. In most cases, State law will prohibit the Commission from making any decisions with respect to a matter not on the agenda.

WRITTEN COMMUNICATIONS

NEW BUSINESS

2. Subject: Receive Presentation on GIS Division Overview
Presenter: Adam Araza, GIS Business Systems Analyst
Recommended Action: Receive and File GIS Division Overview presentation
[A - Presentation](#)
3. Subject: ERP Replacement Status
Presenter: Teri Gerhardt, CGCIO, Chief Technology Officer
Recommended Action: Receive Enterprise Resource Planning (ERP) Overview

OLD BUSINESS

4. Subject: Review TICC 2025 Schedule and Work Plan
Recommended Action: Review TICC 2025 Schedule and Workplan
[A - Schedule and Work Plan 2025](#)
5. Subject: Receive Cybersecurity Working Group Report from Vice Chair Kumar and Commissioner Donthi
Recommended Action: Receive Cybersecurity Working Group Report from Vice Chair Kumar and Commissioner Donthi

STAFF AND COMMISSION REPORTS

6. Subject: Review 2025 Mayor's Meeting Calendar
Recommended Action: Review 2025 Mayor's Meeting Calendar
[A - Mayor's Meeting 2025 Calendar](#)
7. Subject: Receive Commissioners Report
Recommended Action: Receive Commissioners Report

FUTURE AGENDA SETTING

ADJOURNMENT

In compliance with the Americans with Disabilities Act (ADA), anyone who is planning to attend this meeting who is visually or hearing impaired or has any disability that needs special assistance should call the City Clerk's Office at 408-777-3223, at least 48 hours in advance of the meeting to arrange for assistance. In addition, upon request in advance by a person with a disability, meeting agendas and

writings distributed for the meeting that are public records will be made available in the appropriate alternative format.

Any writings or documents provided to a majority of the members after publication of the agenda will be made available for public inspection. Please contact the City Clerk's Office in City Hall located at 10300 Torre Avenue, Cupertino, California 95014, during normal business hours.

IMPORTANT NOTICE: Please be advised that pursuant to Cupertino Municipal Code section 2.08.100 written communications sent to the City Council, Commissioners or staff concerning a matter on the agenda are included as supplemental material to the agendized item. These written communications are accessible to the public through the City website and kept in packet archives. Do not include any personal or private information in written communications to the City that you do not wish to make public, as written communications are considered public records and will be made publicly available on the City website.



CITY OF CUPERTINO

Agenda Item

25-13785

Agenda Date: 3/5/2025
Agenda #: 1.

Subject: Approve the January 14, 2025, Special Meeting minutes

Approve the January 14, 2025, Special Meeting minutes

TECHNOLOGY, INFORMATION & COMMUNICATIONS COMMISSION

Special Meeting

January 14, 2025, 7:00 p.m.

Quinlan Conference Room

10185 N. Stelling Road

DRAFT MINUTES

CALL MEETING TO ORDER

The meeting was called to order at 7:09 pm

ROLL CALL

Commissioners Present: Prabir Mohanty, Emma Shearin, Mukesh Garg, Balaram Donthi, Sudeep Kumar

Staff Present: Tommy Yu, CGCIO, Infrastructure (IT) Manager

APPROVAL OF MINUTES

1. Subject: Approve September 25, 2024, special meeting minutes.

Vice Chair Shearin made a motion to approve September 25, 2024, special meeting minutes. Chair Mohanty second the motion.

Motion passes unanimously.

ORAL COMMUNICATIONS

This portion of the meeting is reserved for persons wishing to address the commission on any matter not on the agenda. Speakers are limited to three (3) minutes per person. In most cases, state law will prohibit the commission from making any decisions with respect to a matter not listed on the agenda.

NEW BUSINESS

2. Subject: Elect Chair and Vice Chair positions

Infrastructure Manager Yu opened the floor for Chair nominations.

Commissioner Kumar proposed Chair Mohanty continue Chairing the Commission. Commissioner Donthi second the motion.

Motion passes unanimously.

Infrastructure Manager Yu opened the floor for Vice Chair nominations.

Chair Mohanty nominated Commissioner Kumar as Vice Chair. Vice Chair Shearin second the motion.

Motion passes unanimously.

3. Subject: Review TICC 2025 Schedule and Work Plan

The Commission reviewed the Proposed TICC 2025 Schedule and Work Plan.

As part of discussion, it was agreed to add the following items to the Work Plan:

- 1.) Study Technology used in public safety for other Cities
- 2.) Investigate use of robotics technology in public works
- 3.) Study City website user interface Imps.
- 4.) Cybersecurity seminar

The Commission expressed interest in adding Division presentations as part of 2025 Work Plan.

*Commissioner Shearin made a motion to postpone the remainder
part of Item No. 3 for the end and discuss Item No. 6.*

Chair Mohanty second.

Motion passes unanimously.

OLD BUSINESS

6. Receive Cybersecurity Working Group report from Commissioners Donthi and Kumar

Commissioner Donthi presented a General Plan Outline to the Commission on file in the Commissions Records.

Commissioner Donthi and Vice Chair Kumar have narrowed down their top ideas to Cyber Security Awareness Program, Cyber Bullying, and Cybersecurity Awareness.

Next steps will include presenting their research at upcoming meetings, as well as providing the group with an overview of how they would approach each option.

The Cybersecurity subcommittee's objectives will be to find and recommend appropriate venue(s), while taking into consideration limited staff resources.

The Commission discussed:

Cyber Security Awareness Program

- Conduct public education with panel discussion in city hall
 - Research on Cyber Attacks affected by Cities (Balaram)
 - Topic: Trending attacks in 2024, Social media & Online banking/shopping
 - Cyber-enabled financial fraud.
 - Attacks on e-commerce spaces, where credit card transactions don't require the card to be physically present.
 - Impersonation.
 - Deepfakes.
 - Account takeover.
 - Identity and social engineering attacks — most (99%) of which were password theft attacks.
 - SIM swapping.
 - Help desk social engineering, where attackers impersonate customers to reset passwords or connect new devices.
 - Credential phishing, particularly through phishing-as-a-service projects. Often these are triggered by HTML or PDF attachments containing malicious URLs.
 - DDoS attacks, which caused a global outage earlier this year.
 - Research who should be on panel (Balaram)
 - Decide if we can do it in Quinlan center or City Hall (Balaram)
 - Agenda and Brochure (Balaram)

Cyber Bullying

- Contact Teen commission (Sudeep)
- Contact Schools (Sudeep)
- Understand what school does (Sudeep)
- Research what school needs (Sudeep)
- Monta Vista Cyber Safety (<https://mvhs.fuhsd.org/academics/library/cyber-safety>)

Cyber Security Competition

Update to be provided by Vice Chair Kumar at a future meeting

The Commission asked questions, thanking the Subcommittee for the report.

5. Subject: Provide update on Promoting the Santa Clara County Sherriff's Office Camera Registry Program.

Infrastructure Manager Yu provided the following update:

Yu mentioned that in late October, social media posts were made on Facebook, Instagram, and Nextdoor. The social media publication was also widely shared in Cupertino's Winter Scene magazine.

The Commission thanked IT Manager Yu.

NEW BUSINESS

4. Subject: Augmented Reality (AR) McClellan Ranch App Tour Debrief

The Commission received input from Commissioner Donthi.

STAFF AND COMMISSION REPORTS

7. Subject: Receive Commissioners Report

No updates provided.

The Commission discussed the remaining portion of New Business item No. 3:

NEW BUSINESS

3. Subject: Review TICC 2025 Schedule and Work Plan

Vice Chair Kumar noted the new City TICC Webpage does not note the recently revised Roles and Responsibilities.

ADJOURNMENT

Chair Mohanty adjourned the meeting at 8:40 pm.

SUBMITTED BY:

APPROVED BY:

April DaRosa, Commission Secretary

Prabir Mohanty, Chair



CITY OF CUPERTINO

Agenda Item

25-13782

Agenda Date: 3/5/2025
Agenda #: 2.

Subject: Receive Presentation on GIS Division Overview

Presenter: Adam Araza, GIS Business Systems Analyst

Receive and File GIS Division Overview presentation

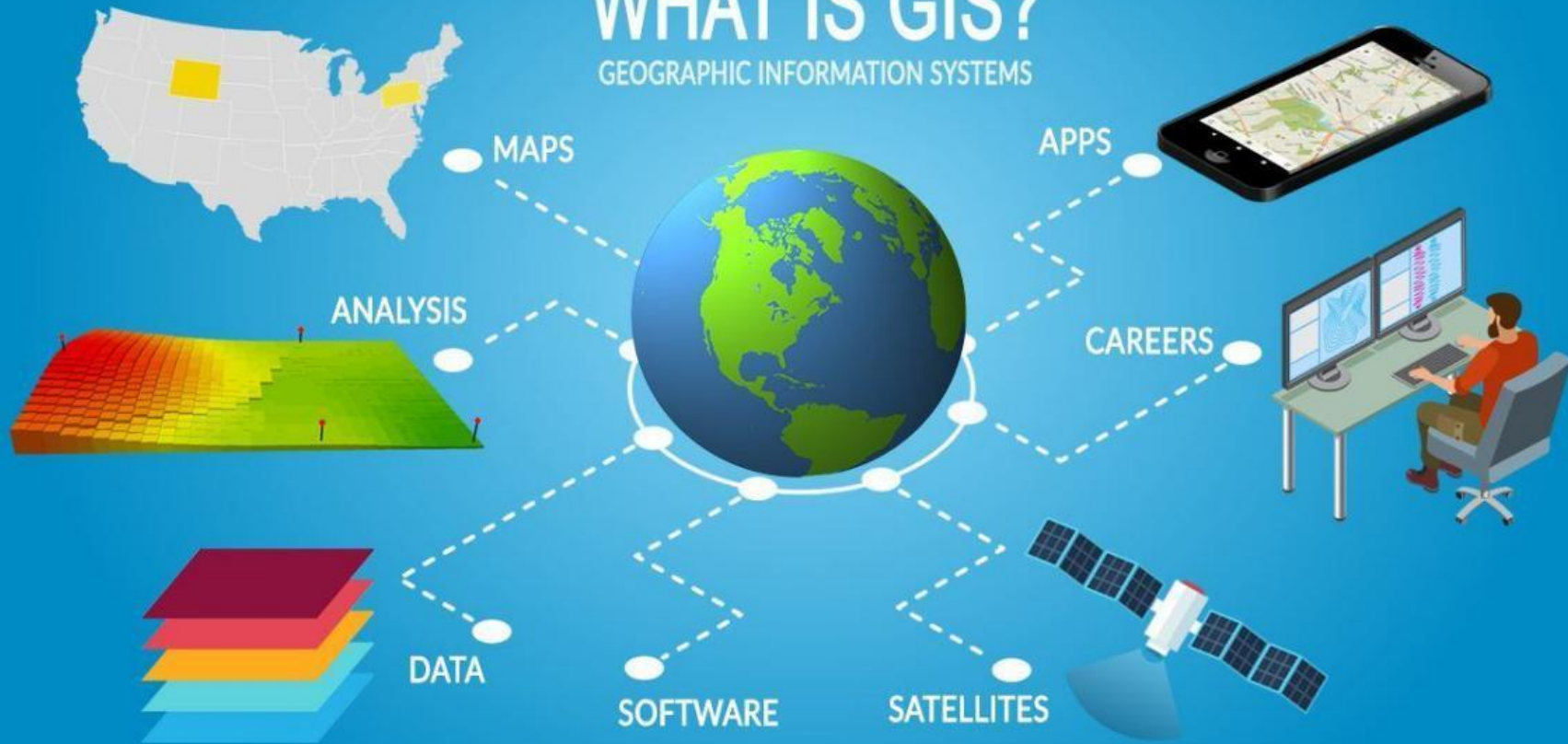
Innovation & Technology GIS



CUPERTINO

WHAT IS GIS?

GEOGRAPHIC INFORMATION SYSTEMS





And more!

Trees

Sidewalk

Edge of Pavement

Street Striping

Median

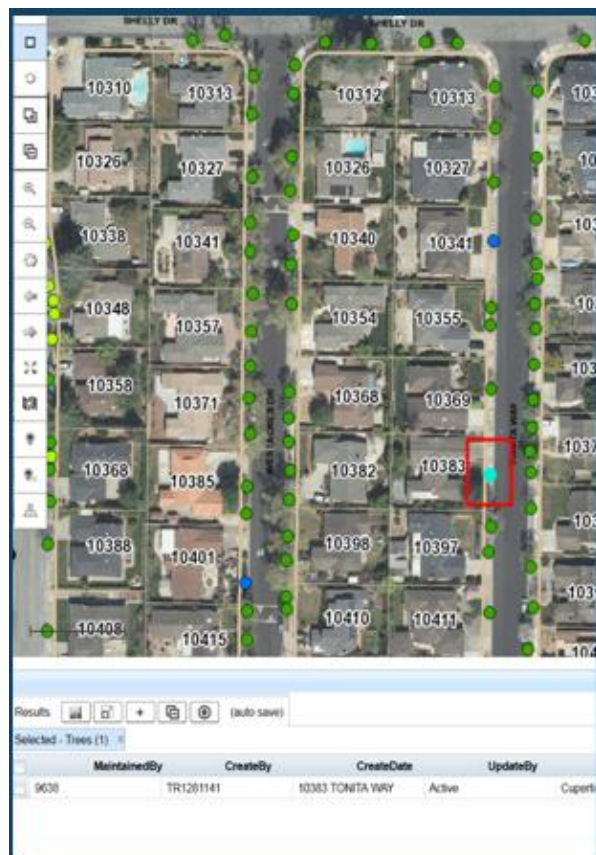
Roads

Legends

Storm Drain

Signs

Sign Supports



View of Tree on Cityworks



Tree on 10383 Tonita Way

Work Order

Description: Trim Tree

Number: 65771

Entity Type: ENV_TREE Change

Category: TREE

Initiated By: CREW L, TREE Date: 10/9/2017 2:34 PM

Status: OPEN Priority: Medium

Requested By: Supervisor Date: 10/9/2017 2:34 PM

Submitted To: CREW L, TREE Date: 10/9/2017 2:34:57 PM

Opened By: CREW L, TREE Date: Date

Closed By: Date

Completed By: Actual Start Actual Finish

Stage: Actual Expense Type: Maintenance

Comments: Add Comment Sort

Instructions: No instructions

Resolution: Reactive?

Location Information

WO Address: 10383 TONITA WAY

Location Details: 10383 TONITA WAY

Shop: Map Page: Grounds

Tie Number: District:

X Location: 6,114,802.83 Y Location: 1,941,683.76

Assets

Total Entries: 1

Asset	Asset Id	Asset List	Location	Warranty Date	Work Co
ENV_TREE	9638	TR1261141	10383 TONITA WAY		

Work history on Tree

Data



CUPERTINO

Data and GIS



Gathering and Collection



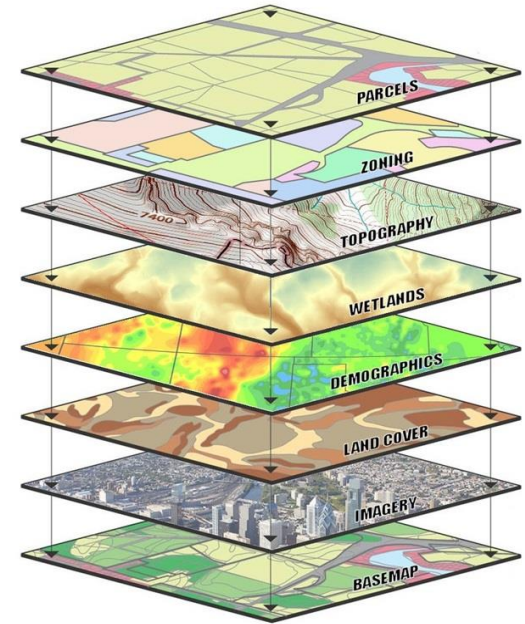
Maintenance



Analysis



Reporting and Visualization



Data and GIS



Gathering and Collection



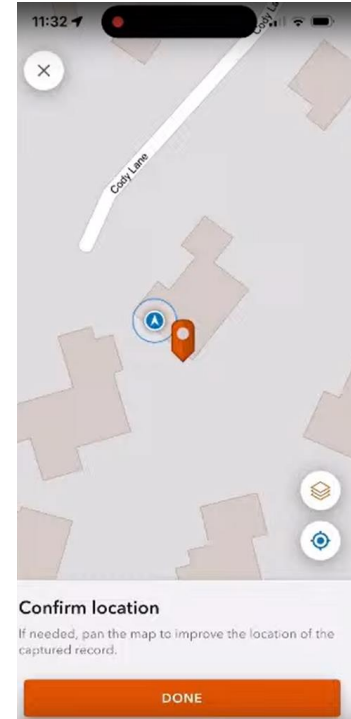
Maintenance



Analysis



Reporting and Visualization



Data and GIS



Gathering and Collection



Maintenance



Analysis



Reporting and Visualization

```
del cursor

# Delete records in Accela_Addresses SDE and append new merge addresses
arcpy.DeleteRows_management(accela_addresses)
arcpy.Append_management(merge_adress, accela_addresses, "NO_TEST", "", "")

# Delete merged addresses
arcpy.Delete_management(merge_adress)

# PARCELS

# Clear old table and Export new table from Mapguide database
if arcpy.Exists(pqTable):
    arcpy.Delete_management(pqTable)
arcpy.TableToTable_conversion(original_ParcleQueries, scratch, pqTable)

# add and populate APN_Join field
arcpy.AddField_management(pqTable, "APN_Join", "TEXT", "", "", 10, "", "",
                           "", "")
apn_fields = ['APN', 'SECONDARY_APN', 'APN_JOIN']
with arcpy.da.UpdateCursor(pqTable, apn_fields) as cursor:
    for row in cursor:
        if row[1] is not None:
            row[2] = row[1]
        else:
            row[2] = row[0]
        cursor.updateRow(row)

# Make Table Layer and Feature layer for joins
table = arcpy.MakeTableView_management(pqTable, 'PQ_View')
layer = arcpy.MakeFeatureLayer_management(sde_parcelCondos, 'PC_layer')

# Join two layers and export to new feature class
arcpy.AddJoin_management(layer, "APN_SPACE", table, "APN_JOIN")
if arcpy.Exists(joined_parcel):
    arcpy.Delete_management(joined_parcel)
```

Data and GIS



Gathering and Collection



Maintenance

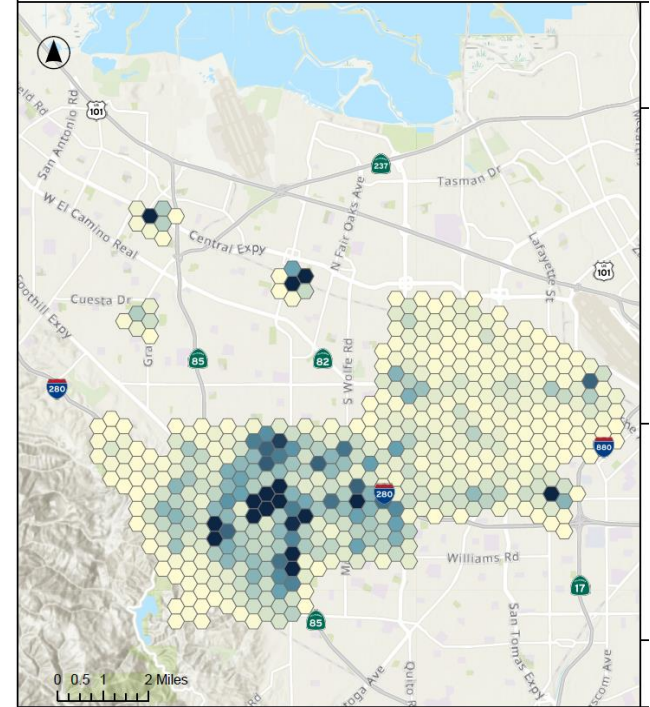


Analysis



Reporting and Visualization

SV Hopper: Kernel Density - Destinations
Exhibit X



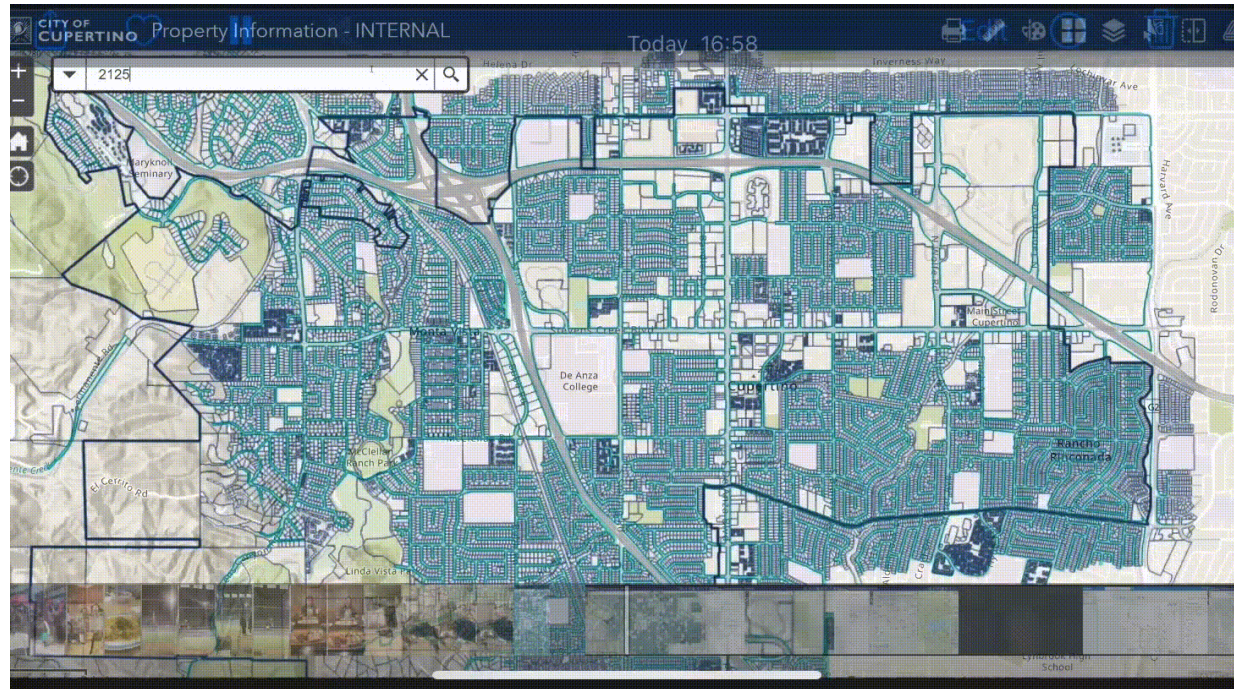
Map of Spatial Data Analysis¹⁸

Maps, Applications, and Reports



CUPERTINO

Maps, Applications, and Reports



Internal Property Info

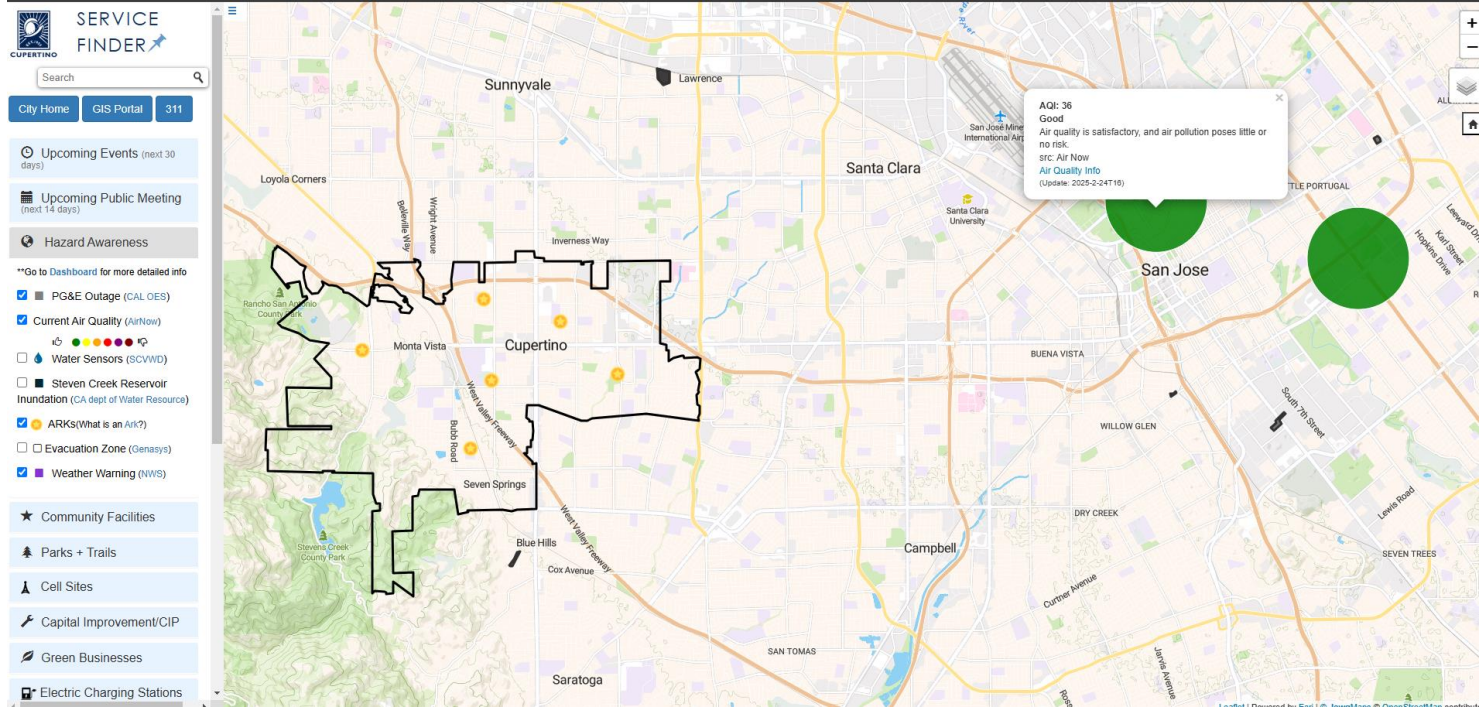
Maps, Applications, and Reports

The screenshot displays the City of Cupertino Service Finder website. On the left, a sidebar contains the 'CUPERTINO' logo, a search bar, and navigation links for 'City Home', 'GIS Portal', and '311'. Below these are sections for 'Upcoming Events (next 30 days)' and 'Upcoming Public Meeting (next 14 days)'. The 'Upcoming Events' list includes: 'State of the City 2/26/2025', 'Glow Night Golf 2/28/2025', 'Big Bunny 5K and Kids Fun Run 3/6/2025', 'Join-A-Ranger: AR Guided Nature Walk 3/8/2025', and 'Safe Routes to School Working Group 3/12/2025'. The 'Upcoming Public Meeting' section is currently empty. Below the meeting section are links for 'Hazard Awareness', 'Community Facilities', 'Parks + Trails', 'Cell Sites', 'Capital Improvement/CIP', 'Green Businesses', 'Electric Charging Stations', and 'Sheriff / Fire Stations'.

The main content area features a map of Cupertino. A pop-up window is overlaid on the map, providing details for the 'Join-A-Ranger: AR Guided Nature Walk' event. The text in the pop-up reads: 'Join-A-Ranger: AR Guided Nature Walk. Join a Stevens Creek Corridor Ranger as they guide you around McClellan Ranch Preserve while showing off the City's new Augmented Reality App and your digital guide, Cooper. Place: McClellan Ranch Preserve, 22221 McClellan Rd, 95014. Date: 3/8/2025 (Sat) in 12 Days(s). Time: 09:30 AM - 10:30 AM. [more info](#) [see more events](#)'. The map shows the city's boundaries, major roads like the Junipero Serra Freeway and West Valley Freeway, and local landmarks such as Stevens Creek Reservoir and McClellan Ranch Preserve.

<https://gis.cupertino.org/servicefinder/>

Maps, Applications, and Reports



<https://gis.cupertino.org/servicefinder/>

Maps, Applications, and Reports

The screenshot displays the Cupertino Service Finder web application. On the left, a sidebar contains the Cupertino logo, a search bar, and navigation links: City Home, GIS Portal, and 311. Below these are sections for Upcoming Events (next 30 days), Upcoming Public Meeting (next 14 days), Hazard Awareness, Community Facilities, and Parks + Trails. The Parks + Trails section is expanded, showing a list of parks: 1. Creekside Park, 2. Hoover Park, 3. Jollyman Park, 4. Somerset Square Park, 5. Sports Center, and 6. Wilson Park. Other categories include Cell Sites, Capital Improvement/CIP, Green Businesses, and Electric Charging Stations.

The main area shows a map of Cupertino. A pop-up window for Creekside Park is open, displaying a photo of the park, its hours (Open: 6am to 10pm), and a list of amenities: ADA Compliant, Basketball, BBQ Pit, Reservable Picnic, Picnic (First Come First Serve), Playground, Restroom, and Soccer. The pop-up also includes a Site Map button and a PDF map link. The map shows Creekside Park highlighted with a yellow circle, and other landmarks like De Anza College and the Santa Clara Medical Center are visible.

<https://gis.cupertino.org/servicefinder/>

Maps, Applications, and Reports

The screenshot displays the 'SERVICE FINDER' web application for the City of Cupertino. The interface includes a search bar at the top, navigation buttons for 'City Home', 'GIS Portal', and '311', and a sidebar menu with categories like 'Upcoming Events', 'Upcoming Public Meeting', 'Hazard Awareness', 'Community Facilities', 'Parks + Trails', 'Cell Sites', 'Capital Improvement/CIP', 'Green Businesses', and 'Electric Charging Stations'. The 'Parks + Trails' section is expanded, showing a list of parks: 1. Creekside Park, 2. Hoover Park, 3. Jollyman Park, 4. Somerset Square Park, 5. Sports Center, and 6. Wilson Park. The main map area shows a map of Cupertino with a yellow star icon marking Creekside Park. A pop-up window for Creekside Park is open, displaying a photo of the park, its hours (Open: 6am to 10pm), and a list of amenities: ADA Compliant, Basketball, BBQ Pit, Reservable Picnic, Picnic (First Come First Serve), Playground, Restroom, and Soccer. The pop-up also includes a 'Site Map' button and a 'PDF map' link.

<https://gis.cupertino.org/servicefinder/>

Maps, Applications, and Reports



Explore Data Categories



[GIS Boundary Layers](#)



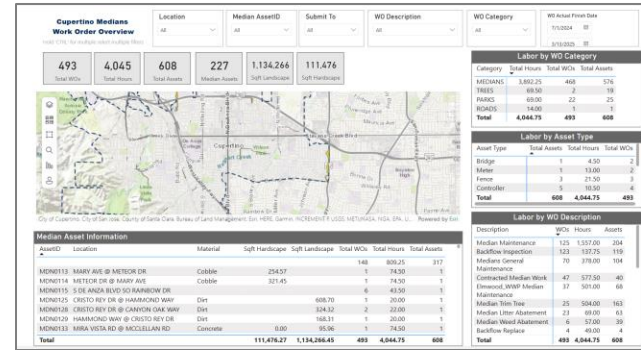
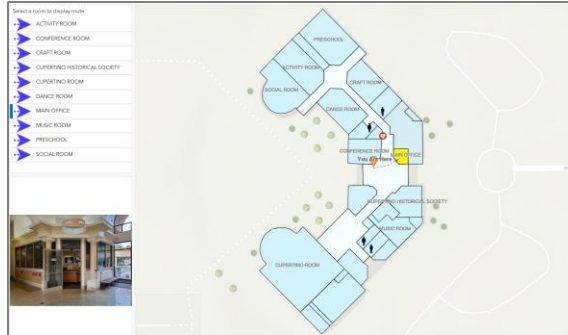
[GIS Environmental Layers](#)



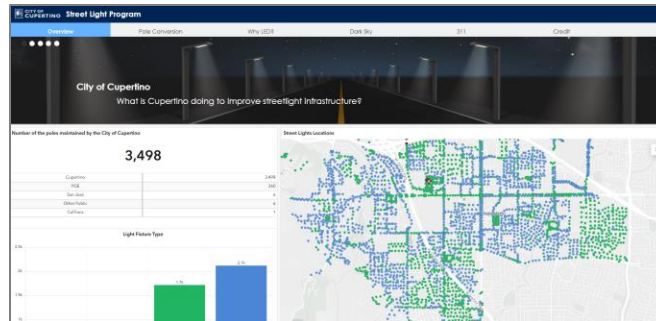
[GIS Recreation Layers](#)

<https://gis-cupertino.opendata.arcgis.com/>

Maps, Applications, and Reports

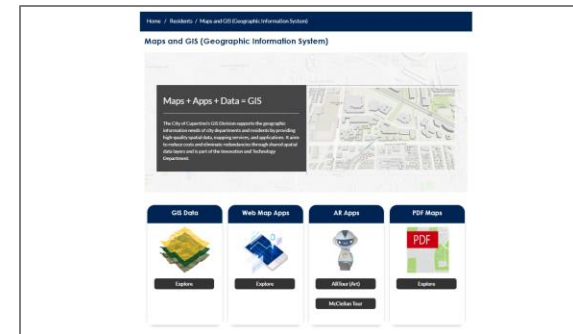


Quinlan Interactive Kiosk



Street Light Story Map

Median Labor Dashboard



Cupertino.Gov/GIS

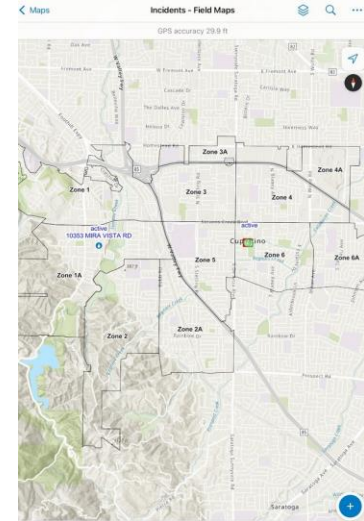
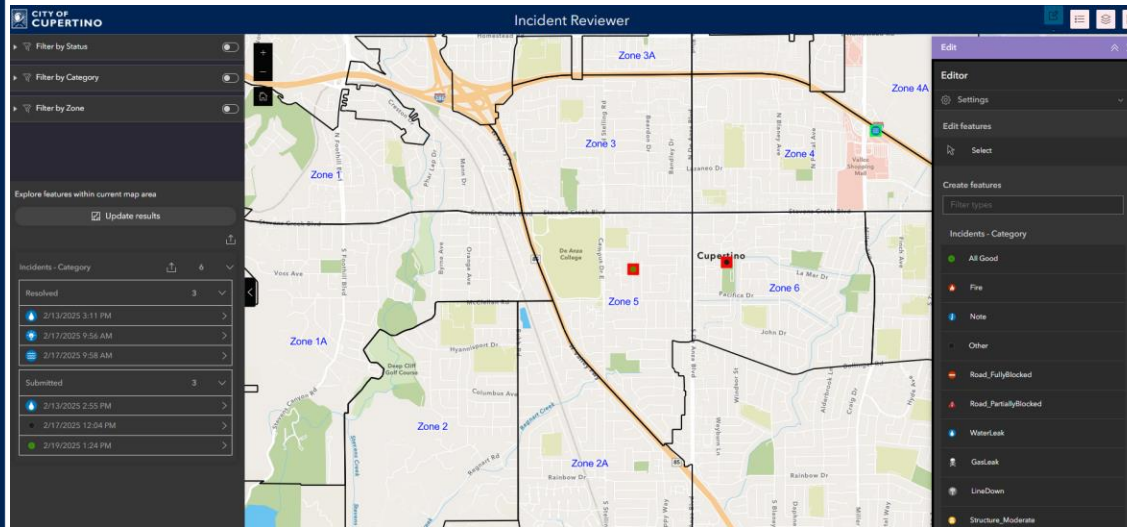
Upcoming Major Projects



CUPERTINO

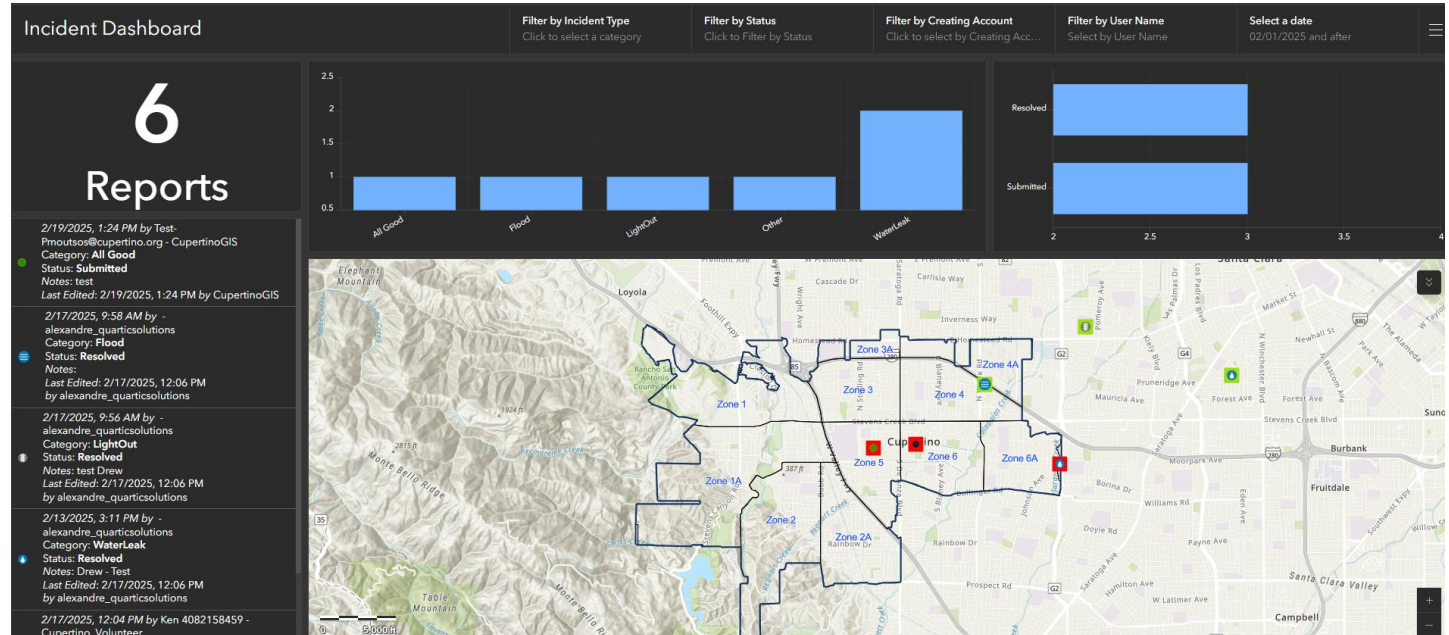
Major Projects

- Disaster Preparedness



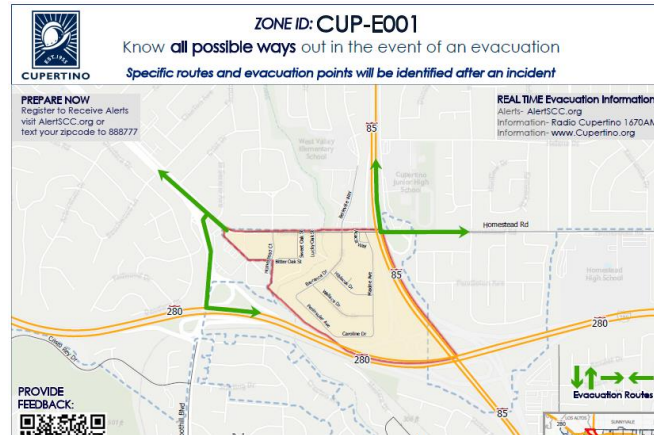
Major Projects

- Disaster Preparedness



Major Projects

- Disaster Preparedness



1:07

×

ATC-20 Detailed

ATC-20 Detailed Evaluation Safety Assessment Form, City of Cupertino

▼ Inspection

Inspector ID

Affiliation

Inspection Date

Sunday, January 29, 2023

Inspection Time

1:07 PM

▼ Building Description

Building Name

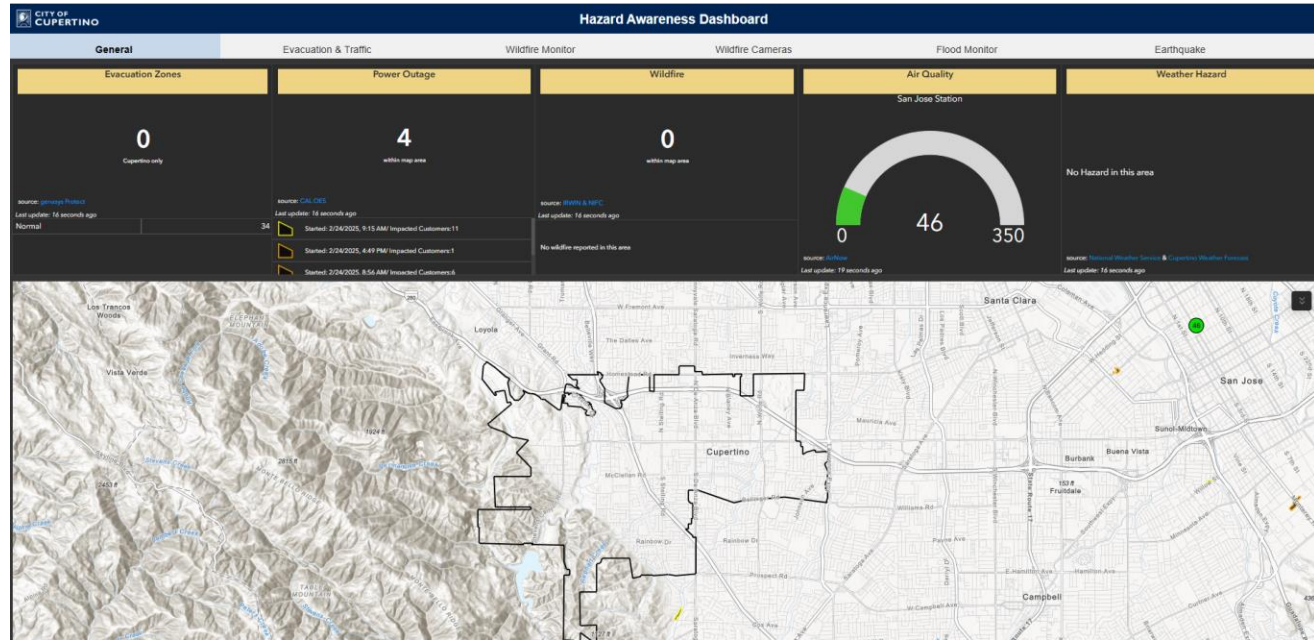
Address

Location

37°17'N 121°53'W ± 7 m

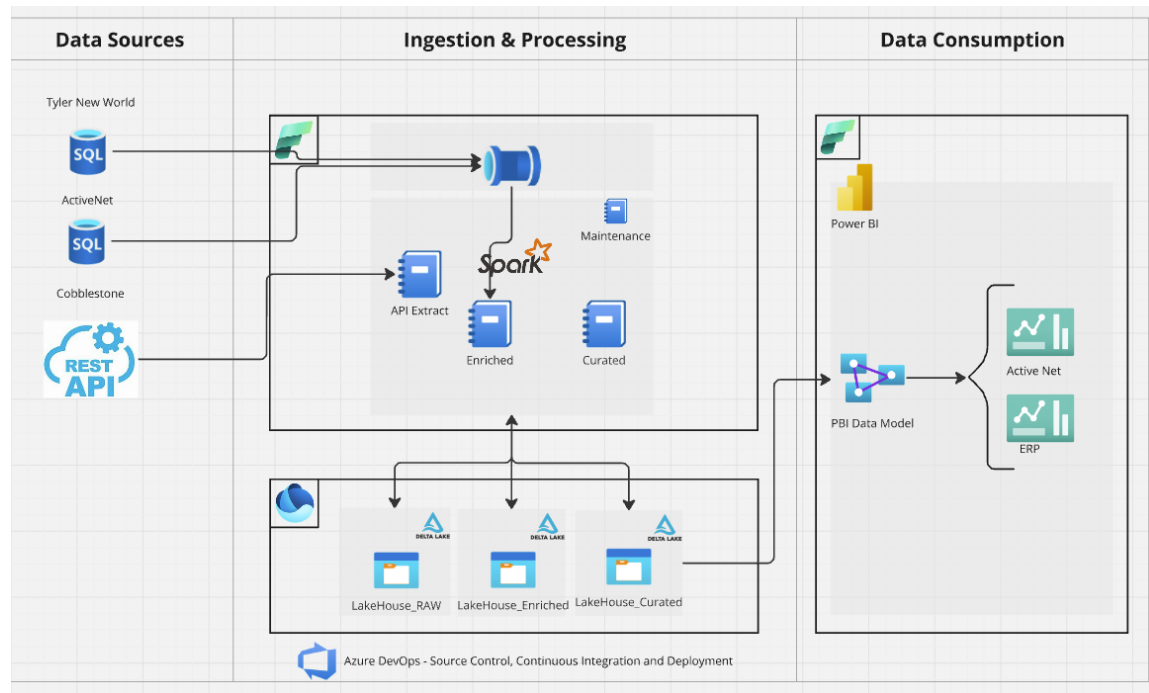
Major Projects

- Disaster Preparedness



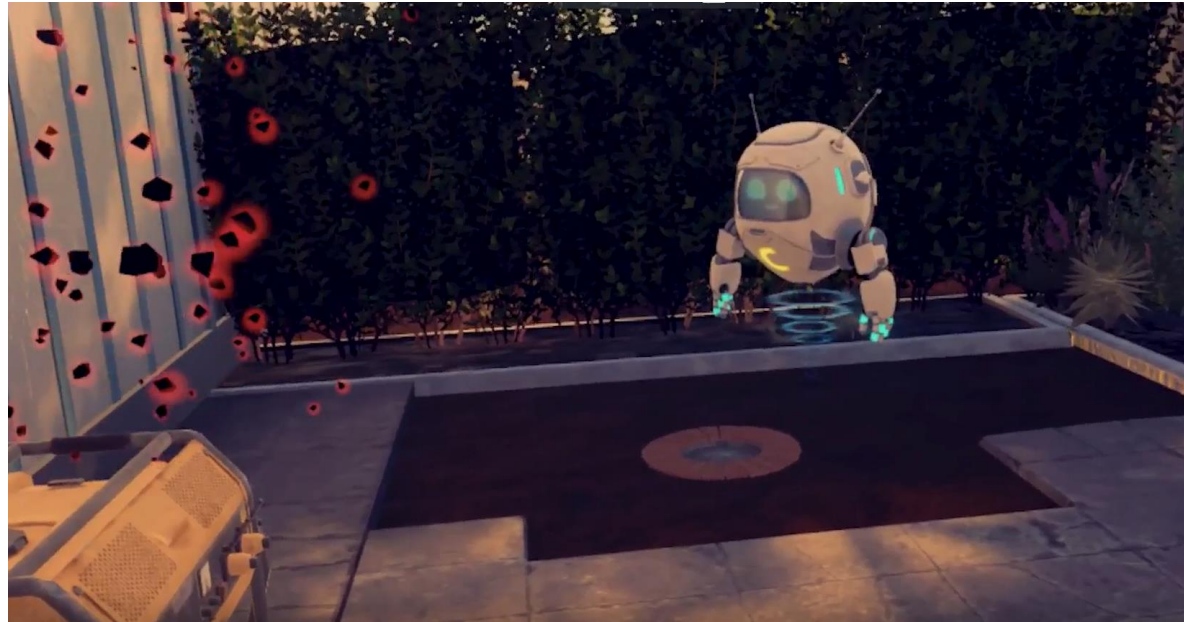
Major Projects

Data Warehouse



Major Projects

Virtual Reality Decarb Application



Major Projects

AI Development





Thank you

Questions?



CITY OF CUPERTINO

Agenda Item

25-13789

Agenda Date: 3/5/2025
Agenda #: 3.

Subject: ERP Replacement Status

Presenter: Teri Gerhardt, CGCIO, Chief Technology Officer

Receive Enterprise Resource Planning (ERP) Overview



CITY OF CUPERTINO

Agenda Item

24-13483

Agenda Date: 3/5/2025
Agenda #: 4.

Subject: Review TICC 2025 Schedule and Work Plan

Review TICC 2025 Schedule and Workplan

Technology, Information, and Communications Commission 2025 Schedule and Work Plan					
January 14 Meeting	March 5 Meeting	May 7 Meeting	July 2 Meeting	September Date tbd Meeting	November 5 Meeting
Approve prior meeting minutes	Approve prior meeting minutes	Approve prior meeting minutes	Approve prior meeting minutes	Approve prior meeting minutes	Approve prior meeting minutes
Elect Chair and Vice Chair positions	GIS Presentation	<i>Applications Presentation</i>	Infrastructure Presentation	Robotics Technology in PW	Cybersecurity Seminar
2025 Work Plan	ERP Overview	City Website User Int Imps.	Study Public Safety Technology	<i>Study Robo-Taxis in Cities</i>	tbd

Summary of Duties – Powers – Responsibilities of Technology, Information, and Communications Commission

Source: Cupertino, CA Municipal Code, Chapter 2.74.060: TICC

The Cupertino Technology, Information, and Communications Commission shall have the following duties, powers and responsibilities, and such others as the members shall be entrusted with by the City Council from time to time. The commission shall:

1. Advise the City Council and City Manager on all matters relating to technology, information, and communications within the City of Cupertino;
2. Serve as a liaison between the City, the public and the technology, information, and communications providers in enhancing information and education. Such activities include providing an opportunity for input to residents and disseminating noncommercial, educational materials about technology, information, and communications services;
3. Provide support for community access television, especially public and educational access, and give guidance when needed for development and implementation of access channels and programming;
4. Recommend ways to foster the City's best use of technology, information, and communications infrastructure and services for the maximum benefit of the community; and
5. Provide education to the community on the responsible and safe use of technology, information, and communications infrastructure and services, including cybersecurity education and best practices.

(Ord. 1965, (part), 2005: Ord. 1722, (part), 1996; Ord. 1714, (part), 1996; Ord. 24-2267, Att. A (part), 2024)



CITY OF CUPERTINO

Agenda Item

24-13347

Agenda Date: 3/5/2025
Agenda #: 5.

Subject: Receive Cybersecurity Working Group Report from Vice Chair Kumar and Commissioner Donthi

Receive Cybersecurity Working Group Report from Vice Chair Kumar and Commissioner Donthi



CITY OF CUPERTINO

Agenda Item

25-13790

Agenda Date: 3/5/2025
Agenda #: 6.

Subject: Review 2025 Mayor's Meeting Calendar

Review 2025 Mayor's Meeting Calendar

TECHNOLOGY, INFORMATION & COMMUNICATIONS COMMISSION

Mayor's Meeting 2025 Calendar

JANUARY 15

Canceled

JULY 16

*Mayor's Mtg., 5-6:30 pm,
format tbd,
Chair Mohanty*

FEBRUARY

Canceled

AUGUST

Canceled

MARCH 19

*Mayor's Mtg. in-person
5-6:30 pm, Quinlan Center
Vice Chair Kumar*

SEPTEMBER 17

*Mayor's Mtg., 5-6:30 pm,
format tbd,
Chair Mohanty*

APRIL

Canceled

OCTOBER

Canceled

MAY 21

*Mayor's Mtg., 5-6:30 pm,
format tbd,
Chair Mohanty*

NOVEMBER 19

*Mayor's Mtg., 5-6:30 pm,
format tbd,
Chair Mohanty*

JUNE

Canceled

DECEMBER

Canceled



CITY OF CUPERTINO

Agenda Item

25-13783

Agenda Date: 3/5/2025
Agenda #: 8.

Subject: Receive Commissioners Report

Receive Commissioners Report