



## CITY OF EL LAGO

AGENDA  
CITY COUNCIL MEETING  
411 TALLOWOOD DRIVE, EL LAGO,  
TEXAS 77586  
MAY 20, 2020  
**7:00 P.M.**

NOTICE is hereby given of a Meeting of the City Council of the City of El Lago, County of Harris, State of Texas, to be held on the above stated date and time.

This meeting will be closed to in person attendance by the public. Due to the COVID 19 pandemic and CDC's recommendation regarding social distancing measures, the public will not be allowed to be physically present at this meeting, but the meeting will be available to members of the public via telephonic audio. Public Comments may be submitted. Citizens may join the WebEx Meeting by calling (844) 992-4726 and entering the Access Code 961 777 452. Any person interested in speaking on any item on the agenda must submit his/her comment via email to the City Secretary at citysec@ellago-tx.gov. The request must include the name and address of the person commenting. Citizen comments will be read aloud by the City Secretary during the meeting. Comments must be received before 1:00 p.m., Wednesday, May 20, 2020.

### 1. Call to Order

### 2. Declaration of a Quorum

- 2.1. *Announce Absent Members of Council*

### 3. Citizen Comments

*Submitted citizens comments will be read aloud by the City Secretary*

### 4. Consent Agenda

- 4.1. *Check Detail for checks printed from May 7, 2020 through May 20, 2020..*
- 4.2. *Minutes from the Council Meeting of May 6, 2020.*

### 5. City Official, Board, Commission, Committee, & City Service Report

- 5.1. *Report on LPD activity in the City with Call For Service reports for April, 2020 (Chief Tom Savage)*
- 5.2. *Emergency Management report (Tom Merchant and/or Art Richard)*

### 6. Mayor's Report

- 6.1. *Mayor Skelton to report on the state of the City*

### 7. Council Member's Reports

- 7.1. *Mayor Pro Tem Vernon to report on the street and sidewalk repair schedule.*
- 7.2. *Councilperson Findley to report on the May 15, 2020 WCID 50 meeting.*

### 8. New Business

- 8.1. *Review quotes and approve vendor for pool deck surface repair*
- 8.2. *Consider/Approve Resolution 2020-03 authorizing the adoption of the Harris County Multi-Hazard Mitigation Action Plan Update.*
- 8.3. *Consider/Approve a revised El Lago Community Center Fee Schedule increasing or adjusting rates, and to include the 4% credit card convenience fee in recurring rates rather than charging them separately.*

### 9. Future Agenda Item Requests

#### Not Scheduled

*Hazardous Waste Recycling Day  
Amend the Personnel Manual  
Masonry Fence Behind Loch Lake*

### 10. Adjournment

## **ALL AGENDA ITEMS ARE SUBJECT TO ACTION**

*In compliance with the Americans with Disabilities Act, the City of El Lago will provide for reasonable accommodations for persons attending City Council Meetings. Requests should be received 48 hours prior to the meetings. Please contact the City office at 281-326-1951. The City Council of the City of El Lago, Texas, reserves the right to adjourn into executive session at any time during the course of the meeting to discuss any of the matters listed above, as authorized by the Texas Government Code, §551.071 (Consultation with Attorney), §551.072 (Deliberations about Real Property), §551.073 (Deliberations about Gifts and Donations), §551.074 (Personnel Matters), §551.076 (Deliberations about Security Devices), §551.077 (Agency Financed by Federal Government), §551.084 (Exclusion of Witness from Hearing), §551.086 (Meeting Concerning Municipally Owned Utility), §551.087 (Deliberations Regarding Economic Development), §551.088 (Deliberations Regarding Licensing Testing Exam), & §418.183(f) (Texas Disaster Act: regarding Critical Infrastructure).*

I certify that a copy of this notice of the City Council Meeting for the date listed above was posted at City Hall, 411 Tallowood Drive, El Lago, Texas, at least 72 hours in advance per the Texas Open Meetings Act.

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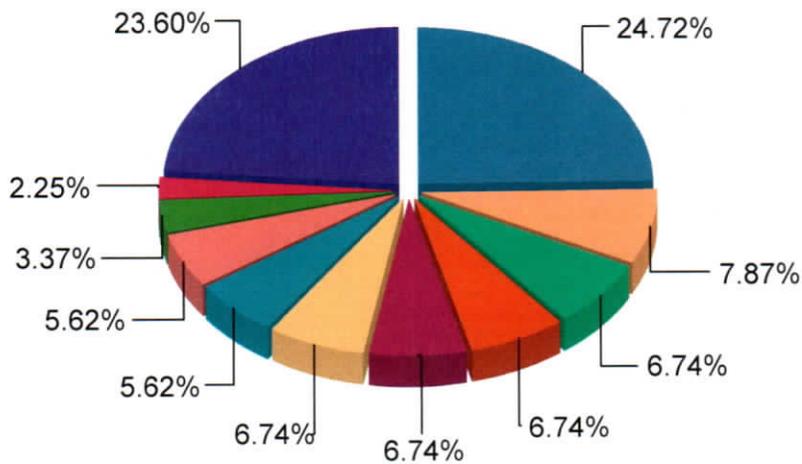
Rachel Lewis  
City Secretary



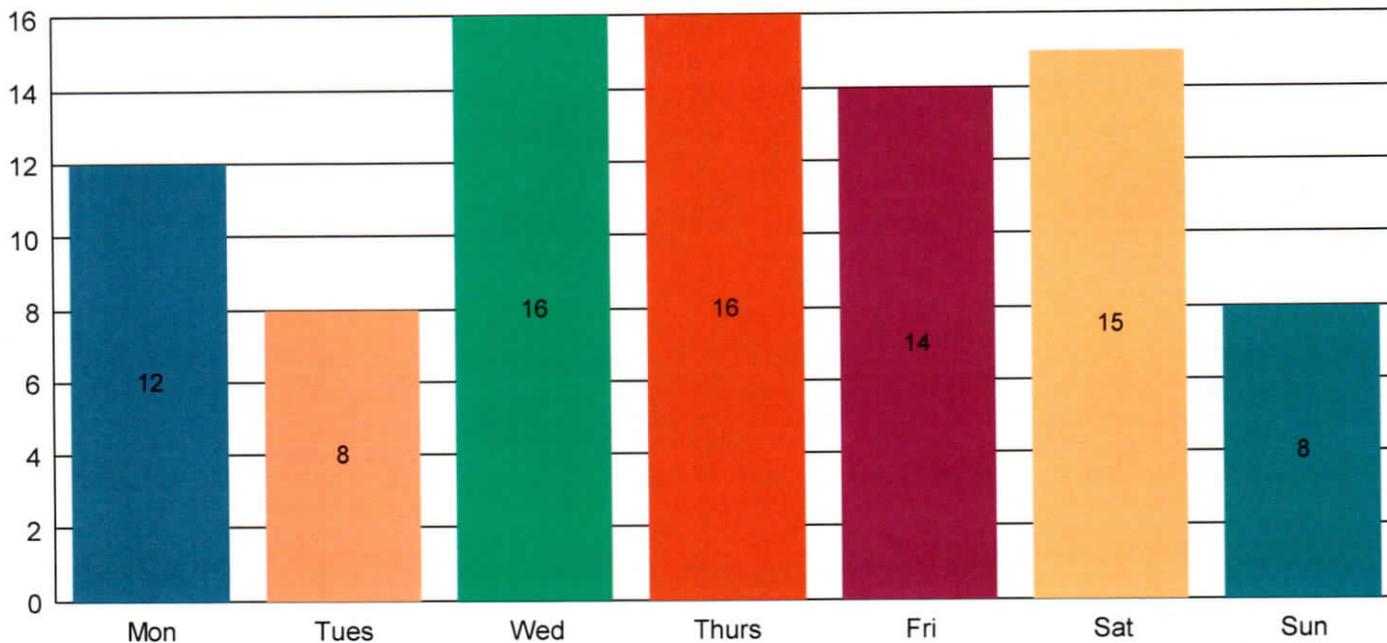
# LAKEVIEW POLICE CALL FOR SERVICE REPORT From 4/1/2020 to 4/30/2020

<u>Nature:</u>	<u>Count of CFS:</u>	<u>Percent of CFS:</u>	<u>Total CFS Time:</u>	<u>Average CFS Time:</u>
911 HANG UP	2	2%	00:39:46	00:19:53
ABANDONED VEHICLE	1	1%	00:20:20	00:20:20
ABUSE NEGLECT CHILD ELDERLY	1	1%	00:11:01	00:11:01
ACCIDENT MAJOR	1	1%	00:58:48	00:58:48
ALARM BURGLAR	5	6%	01:22:53	00:16:34
ANIMAL CONTROL PROBLEM	7	8%	03:11:09	00:27:18
ASSAULT	1	1%	01:04:56	01:04:56
ASSIST BY LAW	6	7%	03:15:45	00:32:37
ASSIST CITIZEN	1	1%	00:30:20	00:30:20
BURGLARY	3	3%	03:45:22	01:15:07
CIVIL PROBLEM STANDBY	1	1%	00:37:51	00:37:51
DISORDERLY CONDUCT	1	1%	00:18:27	00:18:27
DISTURBANCE	5	6%	01:43:44	00:20:44
FLAGDOWN	1	1%	00:35:53	00:35:53
FOLLOW UP	2	2%	00:35:53	00:17:56
FRAUD	1	1%	00:39:45	00:39:45
HARASSMENT	1	1%	00:14:05	00:14:05
INTOXICATED DRIVER PERSON	1	1%	00:07:58	00:07:58
LOST MISSING RECOVERED ABDUCTD	1	1%	00:36:56	00:36:56
LOUD MUSIC NOISE	6	7%	02:38:23	00:26:23
SEXUAL ASSAULT	2	2%	02:45:14	01:22:37
SUSPICIOUS CIRC PERSON VEHICLE	6	7%	02:39:48	00:26:38
THEFT	2	2%	02:17:19	01:08:39
TRAFFIC STOP	22	25%	04:41:38	00:12:48
TRESPASS	2	2%	00:34:55	00:17:27
WEAPONS OFFENSES	1	1%	00:17:59	00:17:59
WELFARE CONCERN	6	7%	01:28:53	00:14:48

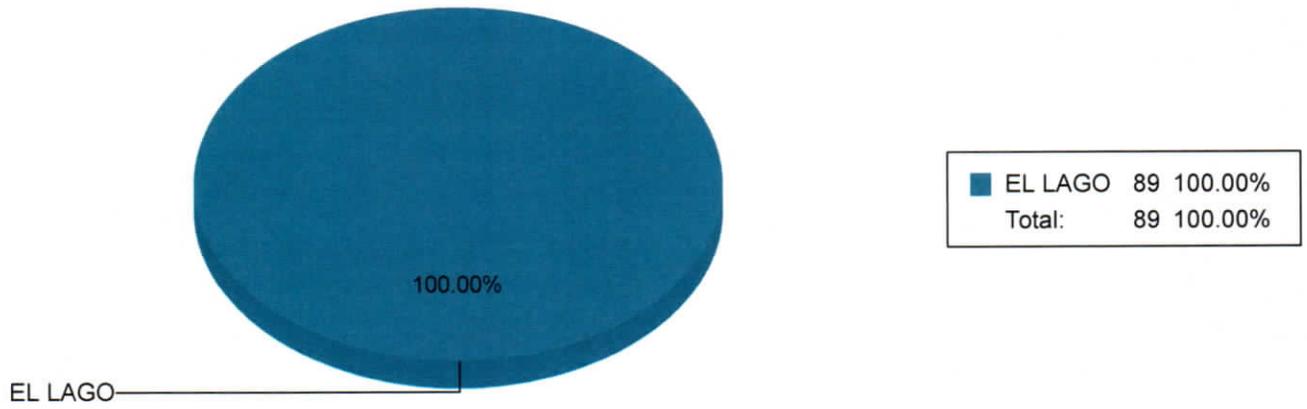
# CFS By Nature



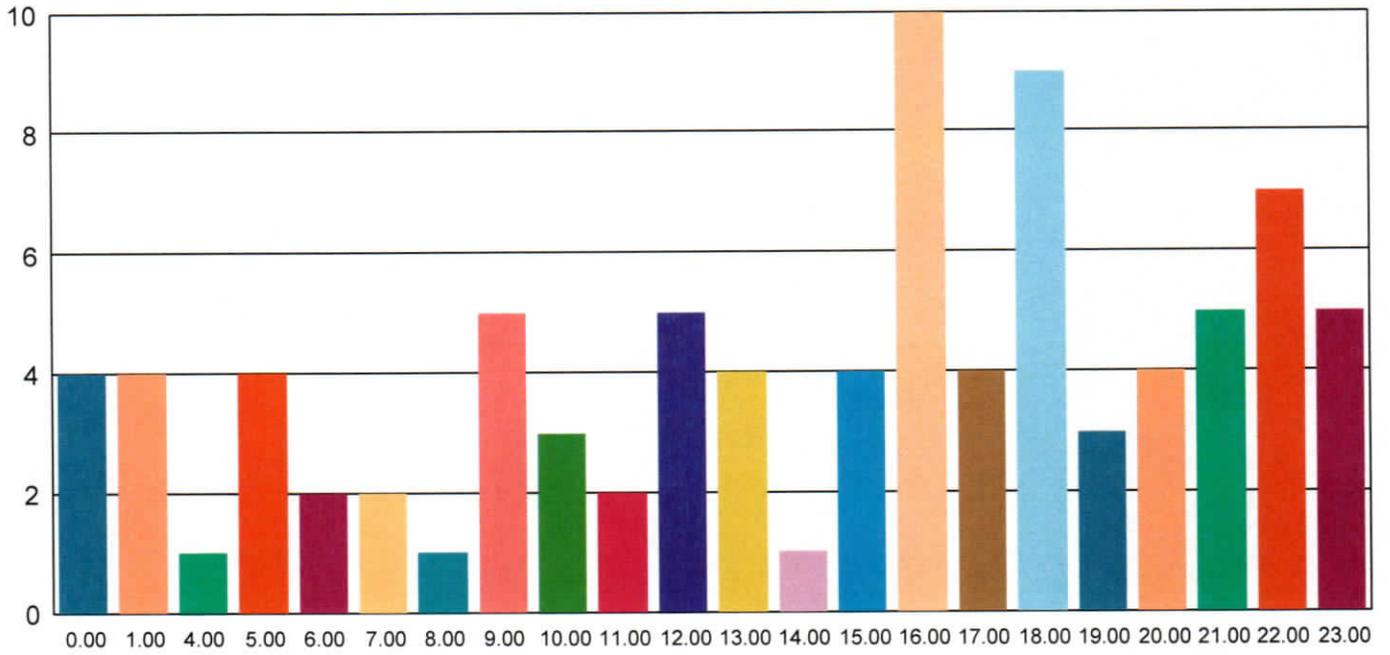
# DOW



## CFS by District



## Calls by Hour of Day



April 2020 Hot Spot EL LAGO

Citation	Viol Location	Offense	Officer Name
E00566	0004000 NASA PKWY	SPEEDING 60 MPH in a 45 MPH zone	BRINSON, DAVID
E00567	0003800 NASA PKWY	SPEEDING 55 MPH in a 45 MPH zone	SAVAGE, THOMAS L
E00568	0004100 NASA PKWY	RAN RED LIGHT	STILWELL, KYLE
E00569	0004400 NASA PKWY	DROVE WITHOUT LIGHTS (WHEN REQUIRED)	BRINSON, DAVID
E01910	0003800 NASA PKWY	SPEEDING 55 MPH in a 45 MPH zone	SAVAGE, THOMAS L
E01914	0004400 NASA PKWY	RAN RED LIGHT	BRINSON, DAVID
E01915	0001711W HEDGECROFT	SIMPLE ASSAULT- CLASS C	BEATON, TANGIE
E01916	0004000 NASA PKWY	SPEEDING 59 MPH in a 45 MPH zone	BIANCHINO, SAM
E02890	0000526 CRESTWOOD	DOG AT LARGE	BEATON, TANGIE
E02891	0004200 NASA PKWY	SPEEDING IN SCHOOL ZONE 55 MPH in a 45 MPH zone	BIANCHINO, SAM
E02894	0003800 NASA PKWY	SPEEDING 55 MPH in a 45 MPH zone	BRINSON, DAVID
E03613	0004300 NASA PKWY	SPEEDING 57 MPH in a 45 MPH zone	SAVAGE, THOMAS L
E03614	0004300 NASA PKWY	SPEEDING 57 MPH in a 45 MPH zone	HENDRICKS, CHRISTOPHER
E03617	0003800 NASA PKWY	DRIVING WHILE LICENSE INVALID	HENDRICKS, CHRISTOPHER
E04065	0004300 NASA PKWY	SPEEDING 67 MPH in a 45 MPH zone	BUTLER, DEBORAH
E04066	0004400 NASA PKWY	SPEEDING GREATER THAN 10% OVER POSTED LIMIT 58 MPH in a 45 MPH zone	HENDRICKS, CHRISTOPHER
E04067	0004300 NASA PKWY	SPEEDING GREATER THAN 10% OVER POSTED LIMIT 71 MPH in a 45 MPH zone	SMITH, ROBERT A
E04071	0003900 NASA PKWY	SPEEDING GREATER THAN 10% OVER POSTED LIMIT 61 MPH in a 45 MPH zone	SMITH, ROBERT A
E04073	0004000 NASA PKWY	DEFECTIVE STOP LAMPS	SMITH, ROBERT A
E04079	0004400 NASA PKWY	EXPIRED DRIVERS LICENSE	SMITH, ROBERT A
E04083	0004100 NASA PKWY	FAIL TO YIELD ROW FROM PRIVATE PROPERTY	BRINSON, DAVID
E04086	0004100 NASA PKWY	SPEEDING 61 MPH in a 45 MPH zone	BIANCHINO, SAM

**City of El Lago**  
**Check Detail**  
 May 7 - 20, 2020

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill P...	ACH...	05/12/2020	Comcast	8777 70 112 0111874 fo...	10102 · General...	
Bill	2020...	05/12/2020		11 fitness TV, 1 in event ... Internet 50down/10up Cit...	71903 · Comput... 71903 · Comput...	(174.50) (174.51)
TOTAL						(349.01)
Paych...	ACH...	05/14/2020	De Leon, A...		10102 · General...	
					70120 · Mainten... 25500 · Med. & ... 25200 · FWT pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa...	(1,524.42) 17.31 138.00 (94.51) 94.51 94.51 (22.10) 22.10 22.10
TOTAL						(1,252.50)
Paych...	ACH...	05/14/2020	Klingle, Br...		10102 · General...	
					74010 · Court Cl... 25400 · Pension ... 70210 · Pension 25400 · Pension ... 25200 · FWT pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa...	(1,876.96) 112.62 (112.62) 112.62 167.00 (116.38) 116.38 116.38 (27.22) 27.22 27.22
TOTAL						(1,453.74)
Paych...	ACH...	05/14/2020	Lewis, Rac...		10102 · General...	
					70100 · Administr... 25400 · Pension ... 25200 · FWT pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa...	(1,807.69) 126.54 202.00 (112.08) 112.08 112.08 (26.22) 26.22 26.22
TOTAL						(1,340.85)
Paych...	ACH...	05/14/2020	Means, Der...		10102 · General...	
					70120 · Mainten... 25200 · FWT pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa... 70220 · Social S... 25300 · FICA Pa... 25300 · FICA Pa...	(1,703.46) 159.00 (105.61) 105.61 105.61 (24.70) 24.70 24.70
TOTAL						(1,414.15)

**City of El Lago**  
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 May 7 - 20, 2020

Type	Num	Date	Name	Memo	Account	Paid Amount
Paych...	ACH...	05/14/2020	Stokes, Dia...		<b>10102 · General...</b>	
					70100 · Administ...	(720.00)
					25200 · FWT pa...	24.00
					70220 · Social S...	(44.64)
					25300 · FICA Pa...	44.64
					25300 · FICA Pa...	44.64
					70220 · Social S...	(10.44)
					25300 · FICA Pa...	10.44
					25300 · FICA Pa...	10.44
TOTAL						(640.92)
Paych...	ACH...	05/14/2020	Vernon, Ma...		<b>10102 · General...</b>	
					70100 · Administ...	(1,085.88)
					25200 · FWT pa...	63.00
					70220 · Social S...	(67.32)
					25300 · FICA Pa...	67.32
					25300 · FICA Pa...	67.32
					70220 · Social S...	(15.74)
					25300 · FICA Pa...	15.74
					25300 · FICA Pa...	15.74
TOTAL						(939.82)
Liabilit...	ACH...	05/14/2020	ICMA Retir...	<b>Payroll 2020-05-14</b>	<b>10102 · General...</b>	
				Payroll 2020-05-14	25400 · Pension ...	(112.62)
				BKIngle	25400 · Pension ...	(112.62)
				RLewis	25400 · Pension ...	(126.54)
TOTAL						(351.78)
Liabilit...	ACH...	05/14/2020	EFTPS	<b>74-1612666</b>	<b>10102 · General...</b>	
				74-1612666	25200 · FWT pa...	(753.00)
				74-1612666	25300 · FICA Pa...	(126.42)
				74-1612666	25300 · FICA Pa...	(126.42)
				74-1612666	25300 · FICA Pa...	(540.54)
				74-1612666	25300 · FICA Pa...	(540.54)
TOTAL						(2,086.92)
Bill P...	ACH...	05/14/2020	Frontier Co...	<b>Fire &amp; fax line</b>	<b>10102 · General...</b>	
Bill	2020...	05/14/2020		Fire line	70360 · Fire Prot...	(90.51)
				Fax line	71300 · Telephone	(90.52)
TOTAL						(181.03)
Bill P...	ACH...	05/14/2020	CenterPoin...	<b>Acct 9466040-4 Gas for...</b>	<b>10102 · General...</b>	
Bill	2020...	05/14/2020		Acct 9466040-4 Gas for ...	72100 · Utilities	(32.07)
TOTAL						(32.07)
Bill P...	11137	05/20/2020	1&1 Ionos I...	<b>Monthly basic fee for e...</b>	<b>10102 · General...</b>	
Bill	2020...	05/08/2020		Monthly basic fee for email	71903 · Comput...	(14.00)
TOTAL						(14.00)

**City of El Lago**  
**Check Detail**  
 May 7 - 20, 2020

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill P...	11138	05/20/2020	Admiral Gl...	Plexiglass for front des...	10102 · General...	
Bill	1087...	05/14/2020		Plexiglass for front desk - ...	70300 · Building ...	(170.00)
TOTAL						(170.00)
Bill P...	11139	05/20/2020	AmeriWast...	Solid Waste removal & ...	10102 · General...	
Bill	1463...	04/30/2020		Residential Solid Waste Recycling Commercial Containers	73200 · Solid W... 73210 · Recycling 73200 · Solid W...	(13,148.76) (1,675.08) (818.50)
TOTAL						(15,642.34)
Bill P...	11140	05/20/2020	Franklin Le...	Supplement #1 to Code...	10102 · General...	
Bill	2007...	04/29/2020		Supplement #1 to Code ...	71100 · Legal	(836.00)
TOTAL						(836.00)
Bill P...	11141	05/20/2020	J Fryday C...	VOID: Monthly building...	10102 · General...	
TOTAL						0.00
Bill P...	11142	05/20/2020	Leslie's Po...	50 lb powder shock	10102 · General...	
Bill	433-...	05/11/2020		50 lb powder shock	77201 · Pool Ch...	(178.19)
TOTAL						(178.19)
Bill P...	11143	05/20/2020	Poolsure	liquid chlorine and acid...	10102 · General...	
Bill	1412...	05/06/2020		160 gallons liquid chlorine 45 gallons sulphuric acid	77201 · Pool Ch... 77201 · Pool Ch...	(280.00) (157.50)
TOTAL						(437.50)
Bill P...	11144	05/20/2020	Sam's Club	Annual membership fee	10102 · General...	
Bill	2020...	05/01/2020		Annual membership fee	70550 · Bank Se...	(45.00)
TOTAL						(45.00)
Bill P...	11145	05/20/2020	TXU Energy	Electricity	10102 · General...	
Bill	0540...	05/07/2020		ESI ID 10089010100065...	72100 · Utilities	(6.12)
				ESI ID 10089010767831...	72100 · Utilities	(634.95)
				ESI ID 10089010100065...	72100 · Utilities	(94.15)
				ESI ID 10089010100065...	72100 · Utilities	(1,703.80)
				ESI ID 10089010100065...	72100 · Utilities	(16.15)
				ESI ID 10089010100065...	72100 · Utilities	(25.84)
				ESI ID 10089010100350...	72100 · Utilities	(21.64)
				ESI ID 10089010249012...	72100 · Utilities	(4.64)
				ESI ID 10089010238105...	72100 · Utilities	(8.31)
				ESI ID 10089010238129...	72100 · Utilities	(4.86)
				ESI ID 10089010238046...	72100 · Utilities	(16.12)
				ESI ID 10089010238135...	72100 · Utilities	(12.04)
				ESI ID 10089010238017...	72100 · Utilities	(6.85)
				ESI ID 10089010076206...	72100 · Utilities	(310.46)
				ESI ID 10089010076206...	72100 · Utilities	(10.30)
				ESI ID 10089010119015...	72100 · Utilities	(22.67)
				ESI ID 10089010238048...	72100 · Utilities	(13.80)

**City of El Lago  
Check Detail  
May 7 - 20, 2020**

<u>Type</u>	<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Memo</u>	<u>Account</u>	<u>Paid Amount</u>
				ESI ID 10089010076206...	72100 · Utilities	(4.85)
				ESI ID 10089010069005...	72100 · Utilities	(707.93)
				ESI ID 10089010229004...	77210 · Utilities...	(338.14)
TOTAL						(3,963.62)
<b>Bill P...</b>	<b>11146</b>	<b>05/20/2020</b>	<b>Valero Flee...</b>	<b>Valero Fleet Services - ...</b>	<b>10102 · General...</b>	
Bill	2020...	04/30/2020		Valero Fleet Services - v...	70311 · Fuel for ...	(67.31)
TOTAL						(67.31)
<b>Bill P...</b>	<b>11147</b>	<b>05/20/2020</b>	<b>Moore IT S...</b>	<b>Set-up of new backup s...</b>	<b>10102 · General...</b>	
Bill	2424	05/13/2020		Set-up of new backup sy...	71902 · Comput...	(300.00)
TOTAL						(300.00)



## CITY OF EL LAGO

### MINUTES OF THE MAY 6, 2020 REGULAR CITY COUNCIL MEETING BY TELECONFERENCE 411 TALLOWOOD DRIVE, EL LAGO, TEXAS 77586

1. **Call to Order** Mayor Skelton called the meeting to order at 7:01 PM.

2. **Declaration of a Quorum**

Present: Mayor John Skelton  
Councilperson Shawn Findley  
Mayor Pro Tem Ann Vernon  
Councilperson Darin Clark  
Councilperson Jeff Michalak  
Councilperson Kris Kuehnel

3. **Citizen Comments**

The following submitted citizen comments were read by City Secretary, Rachel Lewis:

**Jeff Tave of 302 Pine View Circle** – “1) Has the City been provided an investigation report of the April 2020 dog shooting event in Taylorcrest by LPD? If no, when is it expected that the investigation will be concluded and a report made available to the City? Once the investigation has been concluded with a report published, will there be a City Council agenda item where the investigation report will be discussed and the report made available to the citizenry? 2) Tennis Courts – Last Thursday, Gov Greg Abbott’s stay-at-home order expired which now allows outdoor sports to be played as long as it is limited to four participants. As such, why did the City not open the City’s tennis Courts on Friday, May 1<sup>st</sup>? The El Lago Men’s Tennis League uses the courts for their Tuesday night doubles session which complies with the Governor’s orders. a) Since those who are enrolled in the monthly payment option for Fitness Center memberships are not being charged due to the COVID-19 shutdown (and it appears all Councilmembers are now receiving their monthly \$50 City Council honorarium as cash instead of the waiving of fitness center fee for those that originally chose that option), will those people who paid for an annual tennis pass receive credit for the months the courts have been closed? If this has not been considered, please consider offering a credit toward next year’s renewal so that all fee-paying users of the city’s fitness facilities are treated fairly & consistently. 3) Check log – check # 11129 to Rocket AC for a fan motor (\$500) – which city building was involved? (if 98 Lakeshore wasn’t the system recently replaced last year). If 411 Tallowood, wasn’t this system refurbished within the last couple years (2017)? Why isn’t the itemized credit card receipt statement for item #11130 (Wells Fargo statement \$2153.48) attached? – please include it to provide transparency to Council & citizenry.”

**Tiffany Bachner of 711 Crestwood Drive** – “1) We moved into our house which contained no carbon monoxide detector and all smoke detector were installed incorrectly. That is why I suggest the city take charge and require all houses that are being sold to be inspected by the city for basic safety measures. It would be a great income for the city and ensure safety of the new owners. 2) We just removed two load bearing walls. Our contractor follow city guidelines and obtained a permit. Due to COVID 19 the inspection consisted of sending photos. However no photos were required during the work process. We are fortunate enough to have a good contractor but other might not be so lucky. Therefore, I believe the city inspector should request more photos during the renovation process such as electrical work.”

**Sheila Brown of 1851 Raintree Circle** – “Dear Mayor and City Council, how many temporary trailers will be visible to citizens with the Ed White Elementary School Renovations and for how long will we be looking at them? How big will the detention pond be and will it prevent flooding? I have not found out who witnessed the dog shoot incident

with Michael O'Brien on April 13 in Taylorcrest? If you or anyone knows details can you please contact me as my neighbors continue to ask me questions."

Mayor Skelton stated that he would not comment on the dog shooting incident as it is an ongoing investigation. He reported that the tennis courts were not reopened due to concerns with vandalism and staff not currently present on site. Mayor Pro Tem Vernon said that the intension is to suspend memberships until the facilities open and staff is looking at extending the other memberships that are not reoccurring during the following year. Mayor Skelton addressed the idea for city inspections for new homes stating that he liked the idea but would like more information before it is considered. Regarding the number of temporary buildings which will be located at Ed White Elementary during the construction project, the Mayor stated he is aware that there should only be one trailer visible, however this trailer will be present for several months. The check for \$500 in question was for a repair to the older unit at the 98 Lakeshore location. He also stated that an itemized Wells Fargo statement would be available for review by the public.

#### **4. Consent Agenda City Official, Board, Commission, Committee, & City Service Report**

- 4.1. *Check Detail for checks printed from April 23, 2020 through May 6, 2020*
- 4.2. *Minutes from the Council Meetings of March 4, 2020 and April 22, 2020.*

Councilperson Michalak made a motion to approve and there was a second by Councilperson Clark. The vote passed unanimously by a roll call vote.

#### **5. City Official, Board, Commission, Committee, & City Service Report**

- 5.1. *SVFD Monthly activity report* – Chief Andy Gutacker reported there were six calls in April. Three were medical calls, one was a downed cable line, and one was an unintentional call. The average response time was 3 minutes and 16 seconds. Chief Gutacker reported that the staff has plenty of PPE and they have responded to calls for COVID-19 patients. Lastly, he stated that the City Floodplain Administrator asked him to review plans for the Ed White Elementary renovation and he provided information as to his concerns regarding space on the property for fire trucks to respond as well as the need for greenspace to allow for a life flight helicopter.
- 5.2. *City Secretary Rachel Lewis to report on the current reported expenses to the state and FEMA for COVID-19.* City Secretary Lewis reported that 7 businesses have returned loss surveys totaling \$102,600 in losses. Tom Merchant has contacted 12 businesses regarding the need to complete the business loss surveys. The total reported for City losses was \$13,823 but did not yet include the money saved due to court cancellations and the payments not necessary for judges, bailiffs, and prosecutors.

#### **6. Mayor's Report**

- 6.1. *Mayor Skelton to report on the state of the City.* Mayor Skelton reported that Clear Creek ISD is working closely with the City's Floodplain Administrator to ensure that runoff is adequate for the renovation at Ed White Elementary. The City's Fire Marshall provided concerns that fire trucks would not be able to get around all sides of the building so they are looking to remedy this. The City is not yet ready to issue permits but should soon be ready to do so for the Ed White Elementary renovation project. The work is set to begin in about 3 weeks. The Mayor stated that plans are being developed to open City Hall, the gym, tennis courts, park restrooms, pool, and pavilion with some restrictions. This will be based upon the Governor's orders and phases. Mayor Pro Tem Vernon asked if a target date of June 1<sup>st</sup> could be considered to open the pool and Mayor Skelton stated that he would agree to this however these are dates could only be plans at this time. He further stated that openings will also be based upon the comfort levels of the City staff regarding these plans. Mayor Skelton reported that he has been in weekly contact with County Judge Hidalgo and 300 masks were provided by the County to El Lago for use by the staff.

#### **7. Council member's Reports**

- 7.1. *Mayor Pro Tem Vernon to report on the street and sidewalk repair schedule.* Mayor Pro Tem Vernon reported that the project located at Huntercrest and Crestwood is ongoing, however she received the quote for the repair and is waiting for a response from WCID 50 as to the amount they will pay.
- 7.2. *Councilperson Findley report*
  - 7.2.1. *El Lago Dorados Swim Schedule and plans for the upcoming season.* Councilperson Findley stated that the Clear Creek Swim League is trying to determine the readiness for each team to participate this season. He stated that the Dorados need information about when the City pool will be available. Mayor Pro Tem Vernon stated that the City is seeking lifeguards and they will need to be trained. City Secretary Lewis stated that there will be

restrictions on the occupancy allowed in the pool so that must also be determined. Once allowed to open the pool, the occupancy can only be at 25% until further notice.

7.2.2. *Update on Ed White Elementary remodel regarding the Floodplain Administrator review.* Councilperson Findley reported that the plans are moving along well. All plans are in process and CCISD is cooperating with changes that are required.

7.2.3. *Hazardous Waste Day for the City.* Due to COVID-19, communications have stopped regarding plans however it is inexpensive and possible, so he will continue to move forward to set a Hazardous Waste Day in the City.

## 8. Old Business

8.1. *Consider/Approve the Third Amended Congestion Mitigation Traffic Management Agreement between the Metropolitan Transit Authority of Harris County and the City of El Lago.* Mayor Pro Tem Vernon contacted METRO about the advantage to signing the agreement since there are currently 5 years remaining on the current agreement. She stated she did not hear back from the METRO attorney. She recommended that nothing be done on this agreement. Mayor Pro Tem Vernon made a motion to postpone indefinitely and a second was provided by Councilperson Michalak. The vote by roll call was unanimous to postpone.

8.2. *Consider/Approve request and agreement by Chris Hoffman to use the City tennis courts, Event Room, and pool for his summer tennis camps.* Mayor Pro Tem Vernon went over the proposed agreement. It included that both a Camp Director and Assistant Director must be older than 21 years of age. Leaders must accompany all groups and 10% of the net profit from the camp will go to the City. All City facilities must be left as they were found. She recommended that Mr. Hoffman be contacted to discuss the possibility of 5% of gross profit be agreed upon rather than 10% of the net profit since this is an easier way to figure costs. She stated that this isn't to increase the amount to the City but rather an easier way to account for the income. Mayor Pro Tem Vernon made a motion to approve the agreement with the exception of striking the reference to Exhibit B in item 2 and submitting the agreement to the City Attorney for review before presenting it to Mr. Hoffman. A second was provided by Councilperson Kuehnel. Mayor Pro Tem Vernon amended the motion to include that compensation be agreed upon by Chris Hoffman. Councilperson Clark seconded. The vote was unanimous to approve the amended motion by roll call. Mayor Skelton called for a vote on the original motion. The vote passed unanimously by roll call.

## 9. New Business

9.1. *Consider/Approve the 2<sup>nd</sup> quarter financial report for the City for FY2020.* Mayor Pro Tem Vernon went over the 2<sup>nd</sup> quarter financial report. The overall average was at 77% for incomes and 48% for expenses. There was no opposition to not voting to approve since this was an informational item for Council and no approval was necessary.

9.2. *Consider/Approve Ordinance 469 renewing the Mayor's local disaster declaration dated May 4, 2020, for a period of seven additional days.* Mayor Pro Tem Vernon made a motion to approve and there was a second by Councilperson Clark. The motion passed unanimously by roll call.

## 10. Future Agenda Items

### Scheduled

*Masonry fence behind Loch Lake*

### Not Scheduled

*Amend the Personnel Manual*

**11. Adjournment** – There being no further business the Mayor adjourned the meeting at 8:41 P.M.

ATTEST:

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John Skelton  
Mayor

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Rachel Lewis  
City Secretary

**RESOLUTION NO. 2020-03**

**A RESOLUTION OF THE CITY OF EL LAGO, TEXAS AUTHORIZING THE ADOPTION OF THE HARRIS COUNTY MULTI-HAZARD MITIGATION ACTION PLAN UPDATE**

\* \* \* \* \*

**WHEREAS**, all of Harris County has exposure to natural hazards that increase the risk to life, property, environment and the County’s economy; and

**WHEREAS**; pro-active mitigation of known hazards before a disaster event can reduce or eliminate long-term risk to life and property; and

**WHEREAS**, The Disaster Mitigation Act of 2000 (Public Law 106-390) established new requirements for pre- and post-disaster hazard mitigation programs; and

**WHEREAS**; a coalition of Harris County, Cities, Villages, and Special Districts with like planning objectives has been formed to pool resources and create consistent mitigation strategies within the Harris County Operational Area planning area; and

**WHEREAS**, the coalition has completed a planning process that engages the public, assesses the risk and vulnerability to the impacts of natural hazards, develops a mitigation strategy consistent with a set of uniform goals and objectives, and creates a plan for implementing, evaluating and revising this strategy;

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL LAGO, TEXAS:**

**Section 1.** The City Council hereby adopts all of Volume I and the Introduction, Chapter 6 – the City of El Lago jurisdictional annex and the appendices to Volume II of the Harris County Multi-Hazard Mitigation Action Plan (“the HMP”).

**Section 2.** The City will use the adopted and approved portions of the HMP to guide pre- and post-disaster mitigation of the hazards identified and will coordinate the strategies identified in the HMP with other planning programs and mechanisms under its jurisdictional authority.

**Section 3.** The City will continue its support of the Steering Committee and continue to participate in the Planning Partnership as described by the HMP and will help to promote and support the mitigation successes of all HMP Planning Partners.

PASSED, APPROVED AND ADOPTED this the 20th day of May, 2020.

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JOHN SKELTON  
Mayor  
City of El Lago, Texas

ATTEST:

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Rachel Lewis  
City Secretary  
City of El Lago, Texas

## 6. CITY OF EL LAGO

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### 6.1 HAZARD MITIGATION PLAN POINT OF CONTACT

#### Primary Point of Contact

Thomas Merchant, EMC  
315 Oak View Circle  
El Lago, Texas 77586  
Telephone: 281-682-3670  
e-mail Address: tmerchant2@comcast.net

#### Alternate Point of Contact

Art Richard, Assistant EMC  
622 Bayview  
El Lago, Texas 77586  
Telephone: 281-326-3348  
e-mail Address: zartadd@aol.com

### 6.2 JURISDICTION PROFILE

#### 6.2.1 Location

The City of El Lago, Texas is in the southeast part of Harris County. The current boundaries generally extend from Taylor Lake on the west to the City of Seabrook on the east, and from Clear Lake on the south to Seabrook on the north. According to the United States Census Bureau, the city encompasses an area of 0.7 square miles (0.6 square miles of land and 0.1 square miles of water).

City emergency services are provided under contract by the Lakeview Police Department, Seabrook Volunteer Fire Department and the Nassau Bay Emergency Medical Service. Water and sewer services are provided by Water Control and Improvement District #50 (WCID 50).

#### 6.2.2 History

The City of El Lago was incorporated in March of 1961 as a Type-A-General Law city operation under a Mayor-City Council form of government. Residential growth was largely due to the aerospace industry, where many astronauts resided. The growth occurred in four sections and now includes an estimated population of 2700, with approximately 1100 single family dwellings, some duplexes and apartment buildings. Within the city limits there are several small businesses mostly retail and food, one boat yard, two elementary schools and one assisted living center.

#### 6.2.3 Climate

The climate of the City of El Lago is typical of southeast Texas, hot humid summers with cool and wet winters. Freezing weather can occur. Average annual rain fall is 45". Prevailing winds are from the southeast.

#### 6.2.4 Governing Body Format

The City of El Lago is governed by a Mayor and five-member City Council (all of which are part time volunteers). City employees include a City Secretary, City Clerk, Court Administrator, and Maintenance Director and an additional maintenance employee.

The Mayor and City Council assumes responsibility for the adoption of this plan; The Mayor and City Council also will oversee its implementation. Development of this annex was carried out by the members of the local mitigation planning team, whose members are listed in Table 6-1.

**Table 6-1. Local Mitigation Planning Team Members**

Name	Title
Darin Clark	Member City council
Bob Kosar	Flood Plain Administrator
Jarret LaRochelle	Planning Team Member
Doris DeVries	Planning Team Member

## 6.3 CURRENT TRENDS

### 6.3.1 Population

According to the U.S. Census Bureau, the population of the city of El Lago as of December of 2016 was 2,751. Since 1970, the population has grown at an average annual rate of 1.7%. Between those years the population in 1980 had grown by 35.6%, in 1990 an additional 4.5% with declines of 5.9% in 2000 and 12.0% 2010. This last decline can be attributed to the demolition of the Landing Condos, which were heavily damaged by Hurricane Ike.

### 6.3.2 Development

There is minimal anticipated residential development due to the City’s residential space being 99+% already built out. A low to moderate increase in commercial development is expected with a few commercial properties available for new construction. Table 6-2 summarizes development trends in the performance period since the preparation of the previous hazard mitigation plan, as well as expected future development trends.

## 6.4 CAPABILITY ASSESSMENT

The City of El Lago, Texas has performed an assessment of its existing capabilities for implementing hazard mitigation strategies. The introduction at the beginning of this volume of the hazard mitigation plan describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of legal and regulatory capabilities is presented in Table 6-3.
- Development and permitting capabilities are presented in Table 6-4.
- An assessment of fiscal capabilities is presented in Table 6-5.
- An assessment of administrative and technical capabilities is presented in Table 6-6.
- An assessment of education and outreach capabilities is presented in Table 6-7.
- Information on National Flood Insurance Program (NFIP) compliance is presented in Table 6-8.
- Classifications under various community mitigation programs are presented in Table 6-9.
- The community’s adaptive capacity for the impacts of climate change is presented in Table 6-10.

Findings of the capability assessment were reviewed to identify opportunities to expand, initiate or integrate capabilities to further hazard mitigation goals and objectives. Where such opportunities were identified and determined to be feasible, they are included in the action plan. The “Analysis of Mitigation Actions” table included in the action plan for this annex identifies these as community capacity building mitigation actions.

**Table 6-2. Recent and Expected Future Development Trends**

Criterion	Response																														
Has your jurisdiction annexed any land since the preparation of the previous hazard mitigation plan? • If yes, give the estimated area annexed and estimated number of parcels or structures.	No																														
Is your jurisdiction expected to annex any areas during the performance period of this plan? • If yes, describe land areas and dominant uses. • If yes, who currently has permitting authority over these areas?	No																														
Are any areas targeted for development or major redevelopment in the next five years? • If yes, briefly describe, including whether any of the areas are in known hazard risk areas	Yes  The following are in known hazard risk areas: <ul style="list-style-type: none"> <li>• Condominium development previously called The Landing</li> <li>• Northwest corner of Bayou View/Nasa 1 (currently vacant)</li> <li>• Five-to ten homes to be elevated in the repetitive loss category</li> </ul>																														
How many permits for new construction were issued in your jurisdiction since the preparation of the previous hazard mitigation plan?	<table border="1"> <thead> <tr> <th></th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> </tr> </thead> <tbody> <tr> <td>Single Family</td> <td>2</td> <td>1</td> <td>1</td> <td>4</td> <td>2</td> </tr> <tr> <td>Multi-Family</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other (commercial, mixed use, etc.)</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td><b>2</b></td> <td><b>1</b></td> <td><b>1</b></td> <td><b>5</b></td> <td><b>2</b></td> </tr> </tbody> </table>		2014	2015	2016	2017	2018	Single Family	2	1	1	4	2	Multi-Family						Other (commercial, mixed use, etc.)				1		<b>Total</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>
	2014	2015	2016	2017	2018																										
Single Family	2	1	1	4	2																										
Multi-Family																															
Other (commercial, mixed use, etc.)				1																											
<b>Total</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>2</b>																										
Provide the number of new-construction permits for each hazard area or provide a qualitative description of where development has occurred.	Approximately half of the new construction permits were in a special flood hazard area.																														
Describe the level of buildout in the jurisdiction, based on your jurisdiction's buildable lands inventory. If no such inventory exists, provide a qualitative description.	Buildout most occurred on residential properties and one occurred on a commercial property.																														

**Table 6-3. Legal and Regulatory Capability**

	Local Authority	Other Jurisdiction Authority	State Mandated	Integration Opportunity?
<b>Codes, Ordinances, &amp; Requirements</b>				
<b>Building Code</b> <i>Comment: Building Ordinance of the City of El Lago Ordinance # 146 adopted 8/21/78 with sections modified through 6/5/2013</i>	Yes	No	No	No
<b>Zoning Code</b> <i>Comment: City ordinances Appendix A with references to multiple ordinances dealing with residential and commercial zones with multiple adoption dates</i>	Yes	No	No	No
<b>Subdivisions</b> <i>Comment: Appendix B, Ordinance 131 adopted 11/1/76. The city is also divided into several homeowner associations, each with their individual covenants and bylaws.</i>	Yes	No	No	No
<b>Stormwater Management</b> <i>Comment: WCID 50 controlled. MS4 permit renewed every 5 years.</i>	Yes	Yes	No	No
<b>Post-Disaster Recovery</b> <i>Comment: Post disaster recovery activities are outlined in the City's Emergency Management Procedures. Currently being reviewed.</i>	Yes	Yes	Yes	No
<b>Real Estate Disclosure</b> <i>Comment:</i>	No	No	No	No

	Local Authority	Other Jurisdiction Authority	State Mandated	Integration Opportunity?
<b>Growth Management</b> <i>Comment:</i>	No	No	No	No
<b>Site Plan Review</b> <i>Comment: Building code and Ordinance #425</i>	Yes	No	No	No
<b>Environmental Protection</b> <i>Comment: Sanitary and stormwater is under the jurisdiction of WCID 50. Recognized as a renewable energy city. Drought water rationing plans and year-round water conservation plan..</i>	Yes	Yes	No	No
<b>Flood Damage Prevention</b> <i>Comment: Flood Damage Prevention Ordinance # 425 adopted 2/20/15</i>	Yes	No	No	No
<b>Emergency Management</b> <i>Comment: Ordinance # 327 adopted 1/8/2001 and Ordinance # 378 adopted 11/21/2009</i>	Yes	Yes	Yes	Yes
<b>Climate Change</b> <i>Comment:</i>	No	No	No	No
<b>Planning Documents</b>				
<b>General Plan</b> <i>Comment:</i>	No	No	No	No
<b>Capital Improvement Plan</b> <i>How often is the plan updated?</i> <i>Comment:</i>	No	No	No	No
<b>Disaster Debris Management Plan</b> <i>Comment: Contracted</i>	Yes	No	No	No
<b>Floodplain or Watershed Plan</b> <i>Comment:</i>	No	No	No	No
<b>Stormwater Plan</b> <i>Comment: WCID 50 Stormwater drainage improvement plan</i>	No	Yes	No	No
<b>Urban Water Management Plan</b> <i>Comment: WCID 50 with TWDB 50 year water plan</i>	No	Yes	No	No
<b>Habitat Conservation Plan</b> <i>Comment: The city is a bird sanctuary community with several butterfly habitats.</i>	Yes	No	No	No
<b>Economic Development Plan</b> <i>Comment:</i>	No	No	No	No
<b>Shoreline Management Plan</b> <i>Comment: Texas GLO</i>	No	Yes	Yes	No
<b>Community Wildfire Protection Plan</b> <i>Comment:</i>	No	No	No	No
<b>Forest Management Plan</b> <i>Comment:</i>	No	No	No	No
<b>Climate Action Plan</b> <i>Comment:</i>	No	No	No	No
<b>Comprehensive Emergency Management Plan</b> <i>Comment: Ordinance # 327 adopted 1/8/2001 and Ordinance # 378 adopted 11/21/2009</i>	Yes	Yes	Yes	No
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b> <i>Comment: Ordinance # 327 adopted 1/8/2001 and Ordinance # 378 adopted 11/21/2009</i>	Yes	Yes	Yes	No

	Local Authority	Other Jurisdiction Authority	State Mandated	Integration Opportunity?
<b>Post-Disaster Recovery Plan</b>	Yes	Yes	Yes	No
<i>Comment: Post disaster recovery activities are outlined in the City's Emergency Management Procedures, Currently being reviewed.</i>				
<b>Continuity of Operations Plan</b>	Yes	Yes	No	No
<i>Comment: Essential records are backed up to the cloud plus Standard Operating Procedures / interlocal agreements,</i>				
<b>Public Health Plan</b>	Yes	Yes	No	No
<i>Comment: Health and Sanitation Ordinance # 272 adopted 5/4/92</i>				

**Table 6-4. Development and Permitting Capability**

Criterion	Response
Does your jurisdiction issue development permits? • If no, who does? If yes, which department?	Yes Building Inspector and Floodplain Administrator
Does your jurisdiction have the ability to track permits by hazard area?	No
Does your jurisdiction have a buildable lands inventory?	No

**Table 6-5. Fiscal Capability**

Financial Resource	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	Yes
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	No

**Table 6-6. Administrative and Technical Capability**

Staff/Personnel Resource	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	No	
Engineers or professionals trained in building or infrastructure construction practices	No	
Planners or engineers with an understanding of natural hazards	No	
Staff with training in benefit/cost analysis	No	
Surveyors	No	
Personnel skilled or trained in GIS applications	No	
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Voluntary Emergency Management Coordinator
Grant writers	Yes	City Secretary
Other	No	

**Table 6-7. Education and Outreach Capability**

Criterion	Response
Do you have a public information officer or communications office?	Yes, the mayor is the PIO
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? • If yes, briefly describe.	Yes Hazard Mitigation Plan
Do you use social media for hazard mitigation education and outreach? • If yes, briefly describe.	Yes NextDoor and Facebook
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, briefly describe.	Yes The local Mitigation Planning Team and the city Emergency Management Committee
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, briefly describe.	Yes Blackboard CTY Connect and LaVentana News Publication
Do you have any established warning systems for hazard events? • If yes, briefly describe.	Yes Blackboard CTY Connect

**Table 6-8. National Flood Insurance Program Compliance**

Criterion	Response
What local department is responsible for floodplain management?	Floodplain Administrator
Who is your floodplain administrator? (department/position)	Bob Kosar
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date that your flood damage prevention ordinance was last amended?	February 20, 2015
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	Meets
When was the most recent Community Assistance Visit or Community Assistance Contact?	May 24, 2019
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state what they are.	No
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what they are.	Yes HCFCF MAAPNext Project
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If no, state why.	No Does not include risk due to drainage system capacity
Does your floodplain management staff need any assistance or training to support its floodplain management program? • If so, what type of assistance/training is needed?	Yes Texas Floodplain Management Association-sponsored training and conferences
Does your jurisdiction participate in the Community Rating System (CRS)? • If yes, is your jurisdiction interested in improving its CRS Classification? • If no, is your jurisdiction interested in joining the CRS program?	No N/A Yes
How many flood insurance policies are in force in your jurisdiction? <sup>a</sup> • What is the insurance in force? • What is the premium in force?	884 \$246,562,600.00 \$513,571.00
How many total loss claims have been filed in your jurisdiction? <sup>a</sup> • How many claims are still open or were closed without payment? • What were the total payments for losses?	397 0 \$15,317,515.04

a. According to FEMA statistics as of April 26, 2019

**Table 6-9. Community Classifications**

	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	No	N/A	N/A
Public Protection	No	N/A	N/A
Storm Ready	No	N/A	N/A
Firewise	No	N/A	N/A

**Table 6-10. Adaptive Capacity for Climate Change**

Criterion	Jurisdiction Rating <sup>a</sup>
<b>Technical Capacity</b>	
Jurisdiction-level understanding of potential climate change impacts <i>Comment:</i>	Low
Jurisdiction-level monitoring of climate change impacts <i>Comment:</i>	Low
Technical resources to assess proposed strategies for feasibility and externalities <i>Comment:</i>	Low
Jurisdiction-level capacity for development of greenhouse gas emissions inventory <i>Comment:</i>	Low
Capital planning and land use decisions informed by potential climate impacts <i>Comment:</i>	Low
Participation in regional groups addressing climate risks <i>Comment:</i>	Low
<b>Implementation Capacity</b>	
Clear authority/mandate to consider climate change impacts during public decision-making processes <i>Comment:</i>	Low
Identified strategies for greenhouse gas mitigation efforts <i>Comment:</i>	Low
Identified strategies for adaptation to impacts <i>Comment:</i>	Low
Champions for climate action in local government departments <i>Comment:</i>	Low
Political support for implementing climate change adaptation strategies <i>Comment:</i>	Low
Financial resources devoted to climate change adaptation <i>Comment:</i>	Low
Local authority over sectors likely to be negative impacted <i>Comment:</i>	Low
<b>Public Capacity</b>	
Local residents knowledge of and understanding of climate risk <i>Comment:</i>	Low
Local residents support of adaptation efforts <i>Comment:</i>	Low
Local residents' capacity to adapt to climate impacts <i>Comment:</i>	Low

Criterion	Jurisdiction Rating <sup>a</sup>
Local economy current capacity to adapt to climate impacts <i>Comment:</i>	Low
Local ecosystems capacity to adapt to climate impacts <i>Comment:</i>	Low

- a. High = Capacity exists and is in use; Medium = Capacity may exist, but is not used or could use some improvement; Low = Capacity does not exist or could use substantial improvement; Unsure= Not enough information is known to assign a rating.

## 6.5 INTEGRATION WITH OTHER PLANNING INITIATIVES

For hazard mitigation planning, “integration” means that hazard mitigation information is used in other relevant planning mechanisms, such as general planning and capital facilities planning, and that relevant information from those sources is used in hazard mitigation. This section identifies where such integration is already in place, and where there are opportunities for further integration in the future. Resources listed in this annex were used to provide information on integration. The progress reporting process described in Volume 1 will document the progress of hazard mitigation actions related to integration and identify new opportunities for integration.

### 6.5.1 Existing Integration

Some level of integration has already been established between local hazard mitigation planning and the following other local plans and programs:

- There is no existing integration.

### 6.5.2 Opportunities for Future Integration

The capability assessment presented in this annex identified the following plans and programs that do not currently integrate hazard mitigation information but provide opportunities to do so in the future:

- The city has not addressed future integration plans.

## 6.6 JURISDICTION-SPECIFIC NATURAL HAZARD EVENT HISTORY

Table 6-11 lists past occurrences of natural hazards for which specific damage was recorded in the City of El Lago. Other hazard events that broadly affected the entire planning area, including the City of El Lago, are listed in the risk assessments in Volume 1 of this hazard mitigation plan.

**Table 6-11. Past Natural Hazard Events**

Type of Event	FEMA Disaster #	Date	Damage Assessment
Heavy Rain	N/A	5/9/2019	4.2” of rain in two hours flooded Loch Lake, Bayview and Whitecap Streets with 18+ inches of water
Heavy Rain	N/A	12/8/2018	Nearly 5” of rain over 9 hours left 6-10” of water on many streets throughout the city
Heavy Rain	N/A	1/27/2018	2.5” of rain in two hours flooded Loch Lake and Whitecap Streets with 12-18 inches of water
Hurricane Harvey	4332 DR	8/23/2017 – 9/15/2017	\$7,755,415
Severe weather, Flooding	4272 DR	5/22/2016 – 6/24/2016	\$16,113
Severe weather, Tornadoes, Flooding	4245 DR	10/22/2015 – 10/31/2015	\$18,789

Type of Event	FEMA Disaster #	Date	Damage Assessment
Severe weather, Flooding	N/A	4/17/2015	\$4,192
Severe weather	N/A	4/24/2009	\$3,619
Severe weather, Hail	N/A	4/15/2009 – 4/18/2009	\$151,584
Hurricane Ike	1791 DR	9/7/2008 – 10/2/2008	\$5,620,010
Coastal Flooding	N/A	10/16/2006	\$104,419
Flash Flooding	N/A	6/13/2004 – 6/16/2004	\$5,103
Hurricane Claudette	N/A	7/15/2003	\$102,759
Tropical Storm Allison	1379 DR	6/5/2001 – 6/20/2001	\$274,404
Hurricane Georges	1245 DR	9/9/1998 – 10/5/1998	\$216,597
Severe weather, Flooding	1041 DR	10/14/1994 – 11/8/1994	\$3,010
Tropical Storm Allison	836 DR	6/25/1989 – 7/7/1989	\$13,608

## 6.7 HAZARD RISK RANKING

Table 6-12 presents a local ranking for the City of El Lago of all hazards of concern for which this hazard mitigation plan provides complete risk assessments. This ranking summarizes how hazards vary for this jurisdiction. As described in detail in Volume 1, the ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property and the economy. Mitigation actions target hazards with high and medium rankings.

**Table 6-12. Hazard Risk Ranking**

Rank	Hazard Type	Risk Rating Score (Probability x Impact)	Category
1	Flooding	54	High
2	Severe Weather	48	High
2	Hurricane	48	High
3	Earthquake	14	Low
4	Drought	6	Low
4	Wildfire	6 <sup>a</sup>	Low
4	Mass Movement	6	Low
5	Dam Failure	2 <sup>b</sup>	Low
6	Tsunami	0 (No exposure)	None
6	Coastal Erosion	0 (No Exposure)	None

**NOTE:** The process used to assign risk ratings and rankings for each hazard is described in Volume 1 of this hazard mitigation plan.

- Wildfire incidents in the area have occurred within the past 5 years and the adjacent cities of La Porte and Pasadena.
- Proximity to the surface water storage reservoir that would flow down Armand Bayou and to Clear Lake upon failure.

## 6.8 JURISDICTION-SPECIFIC VULNERABILITIES

Volume 1 of this hazard mitigation plan provides complete risk assessments for each identified hazard of concern. This section provides information on a few key vulnerabilities for the jurisdiction. Available jurisdiction-specific risk maps of the hazards are provided at the end of this annex.

### 6.8.1 Repetitive Loss Properties

Repetitive loss records are as follows:

- Number of FEMA-identified Repetitive-Loss Properties: 43
- Number of FEMA-identified Severe-Repetitive-Loss Properties: 21
- Number of Repetitive-Loss Properties or Severe-Repetitive-Loss Properties that have been mitigated: 13

### 6.8.2 Other Noted Vulnerabilities

The following jurisdiction-specific issues have been identified based on a review of the results of the risk assessment, public involvement strategy, and other available resources:

- Sea level rise.
- Subsidence.
- School access: All ingress/egress to the public and charter schools is cut-off by significant street flooding during any heavy rains.

Mitigation actions addressing these issues were prioritized for consideration in the action plan presented in this annex.

### 6.9 STATUS OF PREVIOUS PLAN ACTIONS

Table 6-13 summarizes the actions that were recommended in the previous version of the hazard mitigation plan and their implementation status at the time this update was prepared.

Action Item	Completed	Removed; No longer Feasible	Carried Over to Plan Update	
			Check if Yes	Action # in Update
<b>Improve code/ordinances to require vegetation management and install drought resistant landscape</b> Comment: ID #2014ELLAGO001 Completed in 2017	Yes			
<b>Harden water piping lines and systems to prevent loss of water due to breaks in coordination with Water Control and Improvement District #50 (WCID 50)</b> Comment: ID #2014ELLAGO002			Yes	LAG5
<b>Improve code/ordinances to require minimum burial depth below 6 feet.</b> Comment: ID #2014ELLAGO003 No longer relevant; the City is 98% built out.		Yes		
<b>Establish code/ordinance to require shutoff valves at entry and exit point of city limits for new construction.</b> Comment: ID #2014ELLAGO004 No longer relevant; no new pipelines will be constructed in the City		Yes		
<b>Install new emergency generator at city hall</b> Comment: ID #2014ELLAGO005			Yes	LAG6
<b>Expand mass communication warning system to include notifications and alerts for all-hazards to provide automated landline and cellular calling, email notification as well as automatic posting to the city website.</b> Comment: ID #2014ELLAGO006 Completed over a period of years	Yes			
<b>Acquisition of flood prone properties</b> Comment: ID #2014ELLAGO007 Some property has been acquired; Additional acquisitions anticipated	Yes		Yes	LAG1
<b>Expand city warning system to include flood stage warning</b> Comment: ID #2014ELLAGO008			Yes	LAG7

Action Item	Completed	Removed; No longer Feasible	Carried Over to Plan Update	
			Check if Yes	Action # in Update
<b>Harden protective structures to minimize damage to critical structures</b> <b>Comment:</b> ID #2014ELLAGO009 Improvements for 98 Lakeshore, current courthouse & LPD headquarters			Yes	LAG8
<b>Harden existing city building to mitigate damages by installing protective barriers and shatter resistant glass</b> <b>Comment:</b> ID #2014ELLAGO010 Improvements to current City Hall			Yes	LAG9
<b>Improve detection systems for monitoring alerts</b> <b>Comment:</b> ID #2014ELLAGO011 Completed in 2016	Yes			
<b>Elevate new public safety building above base flood elevation and harden to withstand high-winds and flooding.</b> <b>Comment:</b> ID #2014ELLAGO012			Yes	LAG10
<b>Provide electrical surge protection for electrical systems in critical facilities</b> <b>Comment:</b> ID2014ELLAGO013			Yes	LAG11
<b>Establish buffer zones/defensible space around critical infrastructure</b> <b>Comment:</b> 2014ELLAGO014 Completed 2016	Yes			
<b>Develop ordinance requiring underground utilities on new structures or replacement of existing utilities.</b> <b>Comment:</b> ID #2014ELLAGO015			Yes	LAG12
<b>Inflow prevention utilizing a back-flow preventer</b> <b>Comment</b> ID #2010ELLAGO001 Also investigating physical barriers			Yes	LAG13
<b>Weather Head Reduction Partial Reimbursement Program adopting ordinance requiring all power service lines to residences and businesses be routed underground and cooperative effort to re-route existing power services.</b> <b>Comment:</b> ID #2010ELLAGO006			Yes	LAG12
<b>Harden city infrastructure to protect against damages caused by lightning and power surges</b> <b>Comment</b> ID #2010ELLAGO009			Yes	LAG11
<b>Implement program to relocate and shelter vulnerable populations during extreme heat events at designated facilities.</b> <b>Comment:</b> ID #2010ELLAGO011 Handled by CERT and other agencies.		Yes		
<b>Develop and establish community wide water smart program</b> <b>Comment</b> ID#2010ELLAGO014 WCID 50 maintains a water conservation system during draughts	Yes			
<b>Ordinances for burning restrictions and storage/disposal of flammable materials.</b> <b>Comment:</b> ID #2010ELLAGO015 Ordinances 184 & 263	Yes			
<b>Construct shelter for critical city vehicles and equipment</b> <b>Comment</b> ID #2010ELLAGO025 Critical vehicles and equipment can be relocated to a safe location	Yes			

## 6.10 HAZARD MITIGATION ACTION PLAN AND EVALUATION OF RECOMMENDED ACTIONS

Table 6-14 lists the actions that make up the hazard mitigation action plan for this jurisdiction. Table 6-15 identifies the priority for each action. Table 6-16 summarizes the actions by hazard and mitigation type.

**Table 6-14. Hazard Mitigation Action Plan Matrix**

Applies to New or Existing Assets	Objectives Met	Lead Agency	Support Agency	Estimated Cost	Sources of Funding	Timeline <sup>a</sup>
<b>Action LAG1</b> — Where appropriate, support elevating, flood proofing (retrofitting), purchase or relocation of structures located in hazard areas, prioritizing those that have experienced repetitive losses and/or are located in high- or medium-risk hazard areas.						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather						
Existing	3, 4, 5, 7, 10, 12	City	N/A	High	HMGP, PDM, FMA	Short-term
<b>Action LAG2</b> — Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions in the community, including emergency air evacuation and response from McNair Park						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, earthquake, draught, wildfire						
New and Existing	1, 3, 4, 5, 7, 8, 10	City	N/A	Medium	Staff Time, General Funds	Ongoing
<b>Action LAG3</b> — Actively participate in the plan maintenance protocols outlined in Volume 1 of this hazard mitigation plan.						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, earthquake, drought, wildfire						
New and Existing	1, 5, 8	City	N/A	Medium	Staff Time, General Funds	Short-term
<b>Action LAG4</b> — Continue to maintain good standing and compliance under the NFIP through implementation of floodplain management programs that, at a minimum, meet the NFIP requirements:						
<ul style="list-style-type: none"> <li>• Enforce the flood damage prevention ordinance.</li> <li>• Participate in floodplain identification and mapping updates.</li> <li>• Provide public assistance/information on floodplain requirements and impacts.</li> </ul>						
<i>Hazards Mitigated:</i> Flooding, severe weather, hurricanes, Dam Failuer						
New and Existing	3, 4, 7, 9, 10	City	HCFCFCD	Medium	Staff Time, General Funds	Ongoing
<b>Action LAG5</b> — Harden water piping lines and systems to prevent loss of water due to breaks in coordination with Water Control and Improvement District #50 (WCID 50) (formerly ID #2014ELLAGO002)						
<i>Hazards Mitigated:</i> Drought, Wildfires						
Existing	3, 4, 8, 9, 11	WCID 50	City	High	HMGP, WCID 50 Bonds, WCID 50 General Funds	Long-term
<b>Action LAG6</b> — Install new emergency generator at city hall (formerly ID #2014ELLAGO005)						
<i>Hazards Mitigated:</i> Severe weather, hurricanes, flooding, drought, earthquakes, wildfires						
New	1, 11, 13	City	N/A	High	PDM, HMGP, Staff time, General Funds	Short-term
<b>Action LAG7</b> — Expand city warning system to include flood stage warning – signs or water level indicators at three boat launches, Boondoggles restaurant and boat repair yard (formerly ID #2014ELLAGO008)						
<i>Hazards Mitigated:</i> Flooding, severe weather, hurricanes, dam failure, Mass movement (subsidence), Dam Failure						
New	1, 3, 4, 9, 10, 11, 15	City	N/A	Medium	PDM, HMGP, Staff time, General Funds	Short-term
<b>Action LAG8</b> — Harden courthouse/LVPD headquarters structure to minimize damage to a critical structure – (formerly ID#2014ELLAGO009)						
<i>Hazards Mitigated:</i> Severe weather, hurricanes						
Existing	1, 6, 11, 13	City	LVPD	High	PDM, HMGP, Staff time, General Funds	Short-term
<b>Action LAG9</b> — Harden existing City Hall building to mitigate damages by installing protective barriers and shatter resistant glass (formerly ID #2014ELLAGO010)						
<i>Hazards Mitigated:</i> Severe weather, hurricanes						
Existing	1, 6, 11, 13	City	N/A	High	PDM, HMGP, Staff time, General Funds	Short-term
<b>Action LAG10</b> — Replace courthouse/LVPD headquarters structure with a new emergency operations facility designed to withstand multiple hazards and electrical outages. (formerly ID #2014ELLAGO012)						
<i>Hazards Mitigated:</i> Flooding, hurricanes, severe weather, earthquakes, dam failure, Mass movement (subsidence), Dam Failure						
New	10, 11, 13, 14	City	LVPD	High	PDM, HMGP, Staff time, General Funds	Long-term
<b>Action LAG11</b> — Provide electrical surge protection and lightning rods for electrical systems in critical facilities (formerly ID2014ELLAGO013) including harden city infrastructure to protect against damages caused by lightning and power surges (formerly ID #2010ELLAGO009)						
<i>Hazards Mitigated:</i> Hurricanes, severe weather						
Existing	1, 6, 11, 13	City	N/A	High	PDM, HMGP, Staff time, General Funds	Short-term

Applies to New or Existing Assets	Objectives Met	Lead Agency	Support Agency	Estimated Cost	Sources of Funding	Timeline <sup>a</sup>
<b>Action LAG12</b> — Develop ordinance requiring underground utilities on new structures or replacement of existing utilities. (formerly ID #2014ELLAGO015) and Weather Head Reduction Partial Reimbursement Program adopting ordinance requiring all power service lines to residences and businesses be routed underground and cooperative effort to re-route existing power services. (formerly ID #2010ELLAGO006)						
<i>Hazards Mitigated:</i> Hurricanes, severe weather, wildfires						
New and Existing	6, 9, 10, 11	City	N/A	Medium	Staff time, General Funds	Short-term
<b>Action LAG13</b> — Inflow prevention utilizing back-flow preventers and/or physical barriers (formerly ID #2010ELLAGO001)						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, dam failure, , Mass Movement (subsidence)						
Existing	6, 7, 8, 9, 10, 11, 15	City	WCID 50	High	PDM, HMGP, Bonds, General Funds	Long-term
<b>Action LAG14</b> — Investigate and install active pumped storm drainage systems.						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, school access, Mass movement (subsidence)						
New	3, 4, 7, 8, 10, 11	City	WCID 50	High	PDM, FMA, HMGP, Bonds, General Funds	Long-term
<b>Action LAG15</b> — Increase fire water system capacity; piping, pumps, hydrants etc. to provide increased water flow in emergencies.						
<i>Hazards Mitigated:</i> Wildfires, drought						
Existing	3, 4, 8, 9, 11	WCID 50	City	High	HMGP, WCID 50 Bonds, WCID 50 General Funds	Long-term
<b>Action LAG16</b> — Review and update as needed, city ordinances and building codes to ensure compliance with current Federal, State and local regulatory agencies.						
<i>Hazards Mitigated:</i> Flooding, severe weather, hurricanes, wildfires, drought						
Existing	1, 3, 4, 7, 8, 9, 15	City	N/A	Medium	Staff time, General Funds	Short-term
<b>Action LAG17</b> — Complete WCID 50 project to improve storm water drainage capabilities involving many south side lines and the main headers on Whitecap and Crestwood.						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, school access						
Existing	3, 4, 7, 8, 10, 11, 12	WCID 50	HCFCD	High	HCFCD Bonds, WCID 50 Bonds, WCID 50 General Funds	Long-term
<b>Action LAG18</b> — Track natural hazard events and the damage caused, including substantially damaged properties.						
<i>Hazards Mitigated:</i> Hurricanes, flooding, severe weather, wildfires						
Existing	3, 4, 9, 11	City	N/A	Medium	Staff time, General Funds	Short-term
<b>Action LAG19</b> — Remediate home owner's sanitary sewer lines to prevent storm water from entering the system.						
<i>Hazards Mitigated:</i> Flooding, hurricanes, severe weather						
Existing	3, 4, 9, 11	WCID 50	Home owners	High	HMGP, General Funds	Short-term
<b>Action LAG20</b> — Actively participate in and support the implementation of the six area-wide actions identified in Volume 1 of this plan.						
<i>Hazards Mitigated:</i> Severe Weather, Hurricane and Coastal Storms, Flooding, Earthquake, Wildfire, Drought, Dam Failure, Mass Movement,						
New and Existing	1, 3, 4, 5, 9, 10, 11, 15	El Lago	HCOHSEM	Low	General Funds	Ongoing

a. Short-term = Completion within 5 years; Long-term = Completion within 10 years; Ongoing= Continuing new or existing program with no completion date

See the introduction to this volume for list of acronyms used here.

**Table 6-15. Mitigation Action Priority**

Action #	# of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Implementation Priority <sup>a</sup>	Grant Pursuit Priority <sup>a</sup>
LAG1	6	High	High	Yes	Yes	No	Medium	High
LAG2	7	Medium	Medium	Yes	No	No	Low	Low
LAG3	3	Medium	Medium	Yes	No	No	High	Low
LAG4	5	Medium	Medium	Yes	No	No	High	Low
LAG5	5	Low	High	Yes	Yes	No	Medium	Low
LAG6	3	High	High	Yes	Yes	No	Medium	High
LAG7	7	High	Medium	Yes	Yes	No	Medium	Medium
LAG8	4	High	High	Yes	Yes	No	Medium	High
LAG9	4	High	High	Yes	Yes	No	Medium	High
LAG10	4	Low	High	Yes	Yes	No	Low	Low
LAG11	4	High	High	Yes	Yes	No	Medium	High
LAG12	4	Low	Medium	Yes	No	No	Low	Low
LAG13	7	High	High	Yes	Yes	No	Medium	High
LAG14	6	High	High	Yes	Yes	No	Medium	High
LAG15	5	Low	High	Yes	Yes	No	Low	Medium
LAG16	7	Medium	Medium	Yes	No	No	Medium	Low
LAG17	7	High	High	Yes	No	No	High	High
LAG18	4	Low	Medium	Yes	No	No	Low	Low
LAG19	4	High	High	Yes	Yes	No	Medium	Low
LAG20	8	Medium	Low	Yes	Yes	Yes	High	High

a. See the introduction to this volume for explanation of priorities.

**Table 6-16. Analysis of Mitigation Actions**

Hazard Type	Action Addressing Hazard, by Mitigation Type <sup>a</sup>							
	Prevention	Property Protection	Public Education & Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
<b>High-Risk Hazards</b>								
Severe Weather	LAG2, 4, 12, 16, 18, 20	LAG1, 8, 9, 10, 11	LAG18, 20	LAG19	LAG6, 7, 20	LAG13	LAG14, 17	LAG3, 20
Flooding	LAG2, 4, 16, 18, 20	LAG1, 10	LAG18, 20	LAG19	LAG6, 7, 20	LAG13	LAG14, 17	LAG3, 20
Hurricane	LAG2, 4, 12, 16, 18, 20	LAG1, 8, 9, 10, 11	LAG18, 20	LAG19	LAG6, 7, 20	LAG13	LAG14, 17	LAG3, 20
<b>Medium-Risk Hazards</b>								
School Access							LAG14, 17	
Mass Movement	LAG20	LAG10	LAG20		LAG7, 20	LAG13	LAG14	LAG20

Hazard Type	Action Addressing Hazard, by Mitigation Type <sup>a</sup>							
	Prevention	Property Protection	Public Education & Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
<b>Low-Risk Hazards</b>								
Earthquake	LAG2, 20	LAG10	LAG20		LAG6, 20			LAG3, 20
Drought	LAG2, 16, 20		LAG20	LAG5, 15	LAG6, 15, 20			LAG3, 20
Wildfire	LAG2, 12, 16, 18, 20		LAG18, 20	LAG5, 15	LAG6, 15, 20			LAG3, 20
Dam Failure	LAG20	LAG10	LAG20		LAG7, 20	LAG13		LAG20

a. See the introduction to this volume for explanation of mitigation types.

## 6.11 REVIEW AND INCORPORATION OF INFORMATION FOR THIS ANNEX

### 6.11.1 Existing Reports, Plans, Regulatory Tools and Other Resources

The following technical reports, plans, and regulatory mechanisms were reviewed to provide information for this annex.

- **The City of El Lago, Texas Municipal Code** — The municipal code was reviewed for the full capability assessment and for identifying opportunities for action plan integration.
- **The City of El Lago, Flood Damage Prevention Ordinance** — The flood damage prevention ordinance was reviewed for compliance with the National Flood Insurance Program.

The following outside resources and references were reviewed:

- **Hazard Mitigation Plan Annex Development Toolkit** — The toolkit was used to support the identification of past hazard events and noted vulnerabilities, the risk ranking, and the development of the mitigation action plan.

### 6.11.2 Staff and Local Stakeholder Involvement in Annex Development

This annex was developed over the course of several months with input from the city's Emergency Management Committee, City Secretary, City Council representative, Floodplain Administrator, CERT Team Coordinator, Special Needs Coordinator and local Mitigation Planning Team members. All persons were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization. An action development meeting was held on multiple dates from February through August 2019 and was attended by representatives from previously listed groups. Once actions had been identified and compiled in the annex, a draft was internally circulated for comment.

# El Lago

## Critical Facilities

- Education Facilities
- Emergency Services
- Government Facilities
- Hazardous Material Sites
- Health and Medical Facilities
- Historical and Cultural Sites
- Transportation Systems
- Utility Systems
- ▭ Incorporated Cities
- ▭ Harris County



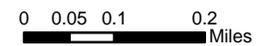
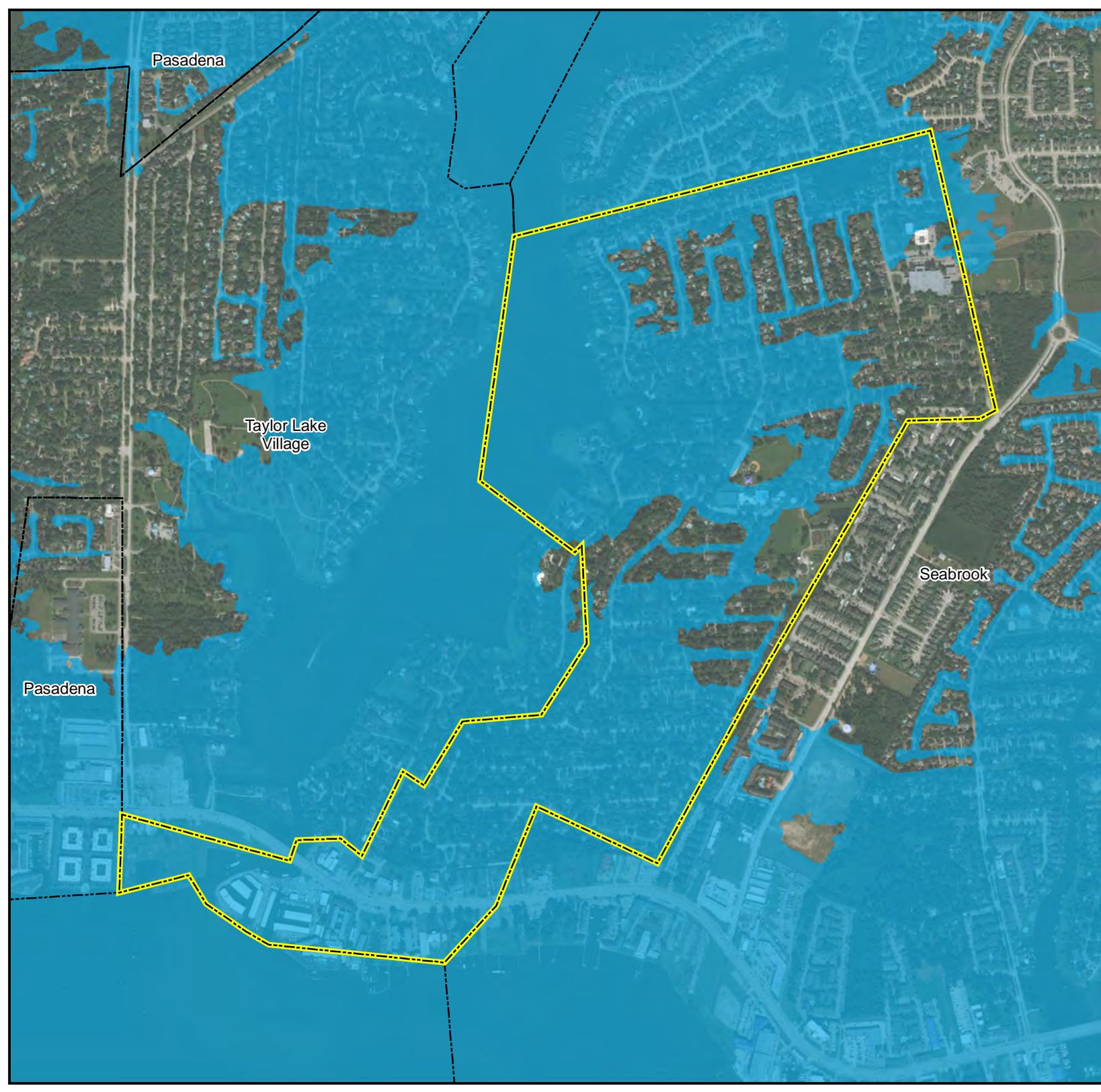
# El Lago

## FEMA Flood Hazard

-  1% Annual Chance Flood (100-yr)
-  Incorporated Cities
-  Harris County



0 0.05 0.1 0.2 Miles

A horizontal scale bar with four segments, labeled 0, 0.05, 0.1, and 0.2 Miles.

# El Lago

## Flood Hazard Hurricane Harvey

-  Flooding Extent
-  Incorporated Cities
-  Harris County

Note: Flooding extent shown for Hazard Mitigation Plan planning area only.



0 0.05 0.1 0.2 Miles



# El Lago

## Hurricane Alicia (1983)

Peak Wind Gust (mph)

87 - 94

95 - 98

99 - 101

102 - 104

105 - 110

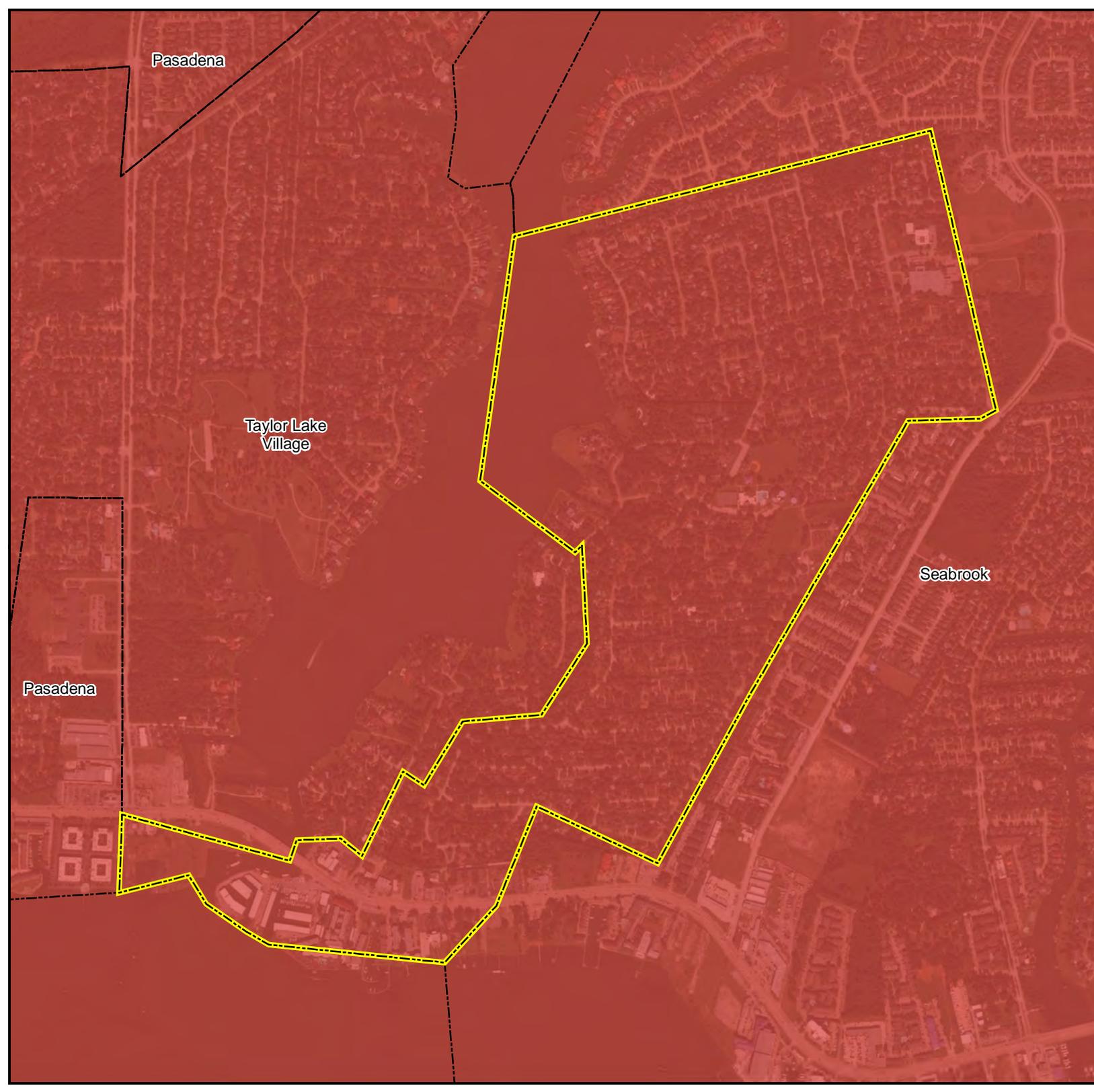
Storm Track

Incorporated Cities

Harris County



0 0.05 0.1 0.2 Miles



# El Lago

## 20-year Probabilistic Hurricane

Peak Wind Gust (mph)

63 - 71

72 - 76

77 - 80

81 - 84

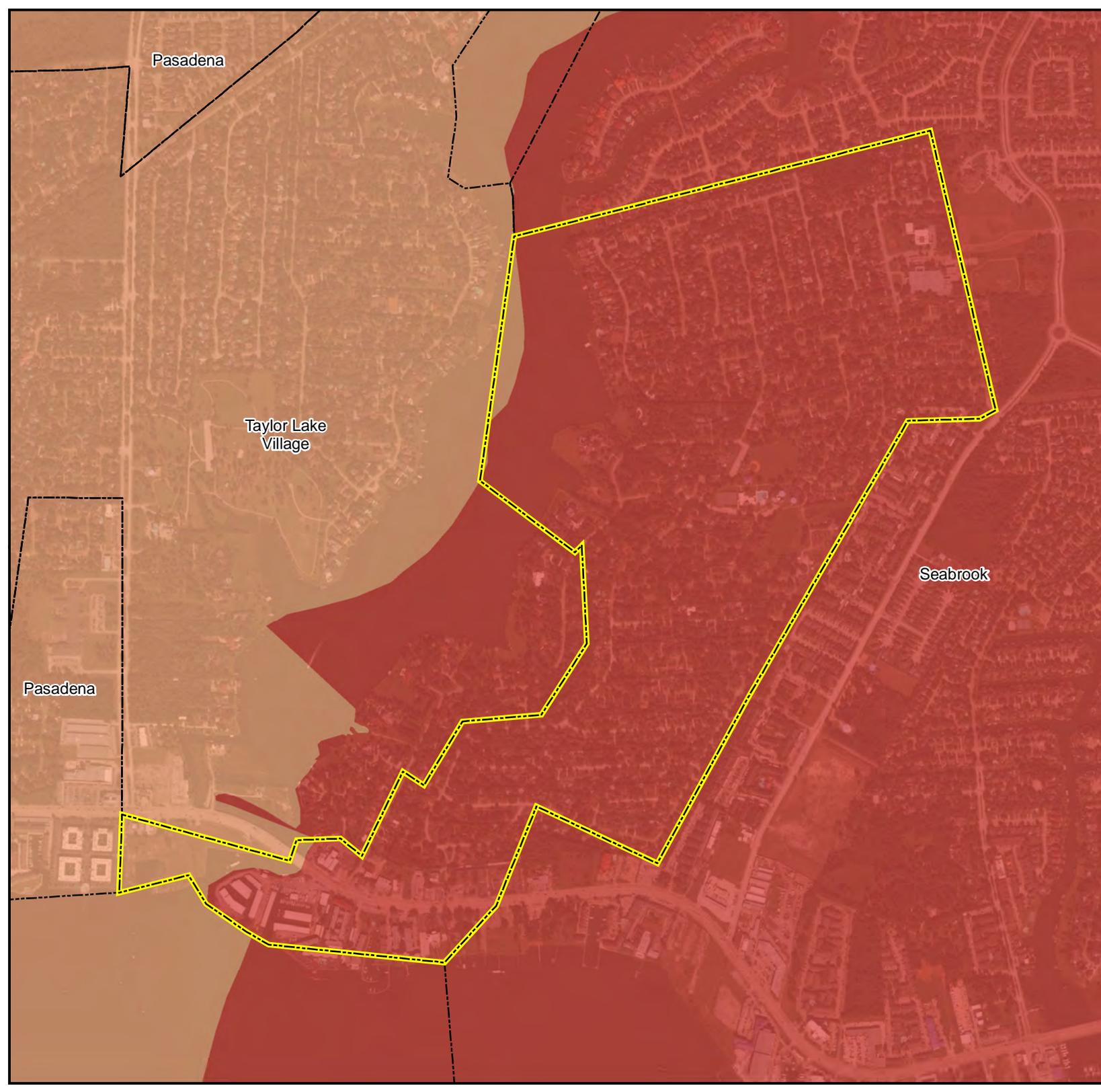
85 - 92

Incorporated Cities

Harris County



0 0.05 0.1 0.2 Miles



Pasadena

Taylor Lake Village

Seabrook

Pasadena

# El Lago

## 100-year Probabilistic Hurricane

Peak Wind Gust (mph)

89 - 101

102 - 106

107 - 111

112 - 117

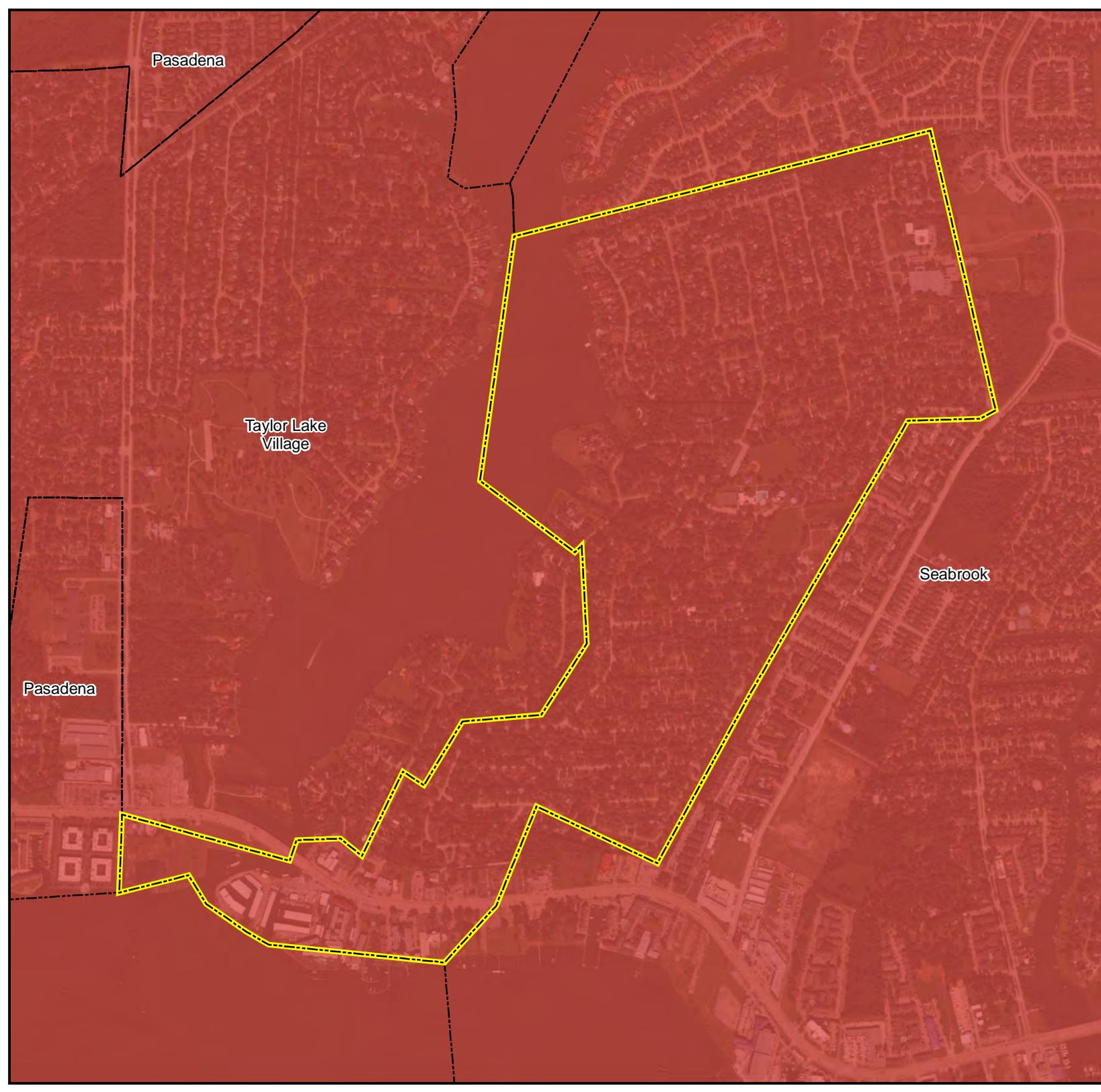
118 - 128

Incorporated Cities

Harris County

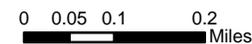


0 0.05 0.1 0.2 Miles



# El Lago

## Wildfire Ignition Density



# El Lago

## Wildfire Threat

