



City of Garden Ridge

“A way of life, not just a place to live”

AGENDA WILDLIFE MANAGEMENT ADVISORY COMMISSION REGULAR MEETING MONDAY, APRIL 19, 2021, 6:00 P.M.

The Wildlife Management Advisory Commission will meet in a regular session on Monday, April 19, 2021, at 6:00 p.m. in the City Council Chambers, 9400 Municipal Parkway, Garden Ridge, Texas. This is an open meeting, open to the public, subject to the Open Meetings Law of the State of Texas, and as required by law, notice is hereby posted providing time, place, date, and agenda thereof. The meeting facility is wheelchair accessible and accessible parking spaces are provided. Requests for accommodations or interpretive services must be made to the City Secretary 48 hours prior to this meeting.

1. Call to Order

2. Roll Call

3. Pledge of Allegiance

4. Citizen Comment Period – limited to 30 minutes total

Rules for Citizens’ Participation: The Commission welcomes citizen participation and comments at all Commission Meetings. The Commission offers citizens the opportunity to address them by signing up to speak prior to the meeting. If you speak, you must follow these guidelines:

- a) Respect and courtesy:
 1. Direct your comments to the entire Commission, not to an individual member, nor to the audience.
 2. Show the Commission the same respect that you would like to be shown.
 3. End your speaking at the time allotted below.
- b) Speaking:
 1. First citizen comment period
 - i. You are required to sign up to speak and you are limited to one 3-minute period.
 2. Second citizen comment period
 - i. You are not required to sign up and you are limited to one 2-minute period.
 3. State your name and address before your comments begin.
 4. You are only allowed to speak once per topic, unless also speaking during a posted Public Hearing.

NOTE: The Texas Open Meetings Act permits a member of the public or a member of the governmental body to raise a subject that has not been included in the notice for the meeting. However, any discussion of the subject must be limited to a proposal to place the subject on the agenda for a future meeting and any response to a question posed to the Commission is limited to either a statement of specific factual information or a recitation of existing policy. Tex. Gov’t Code § 551.042.

5. Business Items

The following items are for discussion, consideration, and action.

- a) Approvals
 1. Minutes for March 15, 2021, Wildlife Management Advisory Commission Regular Meeting.
- b) Discussions/Reports/Updates
 1. Wildlife and wildlife incidents within the City of Garden Ridge.
 - i. Police Department and Animal Services.
 2. Meeting Updates/Reports.
 - i. Items applicable to the Wildlife Management Advisory Commission discussed at the April City Council Meeting.
 - ii. Items applicable to the Wildlife Management Advisory Commission discussed at Parks Committee Monthly Meetings.
 3. Discussion on Dark Sky.

4. Wildlife Management Advisory Commissioner Activities and Projects.
 - i. Update of Commissioner’s activities and projects.
 - ii. Future education/training sessions and Grapevine articles.
5. Wildlife Management Plan, Deer Management Program, and Feral Hog Management.
 - i. Discuss and make recommendations related to, if needed.
6. Ordinance No. 210-022018 An Ordinance of the City Council of the City of Garden Ridge adopting board and commission policy and procedures; providing that this Ordinance shall be cumulative of all Ordinances; providing for severability; providing a savings clause; and providing an effective date.
 - i. Discuss and make recommendations related to application of ordinance provisions to commission members, if needed.

c) Future Agenda Items

1. Commissioners input on agenda items.
2. Announce the date, time, and location for next meeting (May 17, 2021, at 6:00 p.m. at City Hall).

**6. Citizen Comment Period - limited to 20 minutes total
See “Rules for Citizens’ Participation” under Item 4.**

7. Adjournment

AGENDA NOTICES:

Decorum Required: Any disruptive behavior, including shouting or derogatory statements or comments may be ruled out of order by the Presiding Officer. Continuation of this type of behavior could result in a request by the Presiding Officer that the individual leave the meeting, and if refused, an order of removal.

Action by Commission Authorized: The Commission may vote or act upon any item within this Agenda.

Attendance By Other Elected or Appointed Officials: It is anticipated that members of the City Council, other city board, commissions and/or committees may attend the meeting in numbers that may constitute a quorum of the other city boards, commissions and/or committees. Notice is hereby given that the meeting, to the extent required by law, is also noticed as a meeting of the City Council, other boards, commissions and/or committees of the City, whose members may be in attendance. The members of the boards, commissions and/or committees may participate in discussions on the same items listed on the agenda, which occur at the meeting, but no action will be taken by such in attendance unless such item and action is specifically provided for on an agenda for that board, commission, or committee subject to the Texas Open Meetings Act.

This is to certify that I, Kat Balbi, posted this Agenda at 5:00 p.m. on April 13, 2021, on the bulletin board located at the entrance to the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas.



Kat Balbi
Assistant City Secretary



City of Garden Ridge

"A way of life, not just a place to live"

MINUTES WILDLIFE MANAGEMENT ADVISORY COMMISSION REGULAR MEETING MONDAY, MARCH 15, 2021, 6:00 P.M.

Commissioners Present:

Chair David Krawczynski
Vice-Chair Ken Kneupper
Commissioner Paul Sullivan
Commissioner Dr. Denise Miner-Williams (Arrived at 6:20 p.m.)
Commissioner Troy Bippert
Commissioner Shannon Drichta
Commissioner Dean Lemmers
Councilmember Lisa Swint, Ex-officio

Commissioners Absent: None.

City Staff, City Councilmembers, and Other Commissioners Present:

Kat Balbi, Assistant City Secretary
Councilmember Kay Bower

1. Call to Order

With a quorum of the Wildlife Management Advisory Commissioners present, Chair Krawczynski called the regular meeting of the Garden Ridge Wildlife Management Advisory Commission to order at 6:14 p.m. on Monday, March 15, 2021, in the City Council Chambers of the Garden Ridge City Hall, 9400 Municipal Parkway, Garden Ridge, Texas 78266.

2. Roll Call: See above.

3. Pledge of Allegiance: Chair Krawczynski led the Pledge of Allegiance.

4. Citizen Comment Period: No one signed up to speak.

5. Business Items

The following items are for discussion, consideration, and action.

Chair Krawczynski stated he would like to reorder the agenda items as follows to continue the meeting and allow Commissioner Dr. Miner-Williams to present the Education/Training Session once she arrives.

b) Approvals

1. Minutes for January 25, 2021, Wildlife Management Advisory Commission Regular Meeting.

Motion: A motion was made by Vice-Chair Kneupper, seconded by Commissioner Sullivan, to approve the minutes for January 25, 2021, Wildlife Management Advisory Commission Regular Meeting. The Commission voted five (5) for and none (0) opposed. The motion carried unanimously.

c) Discussions/Reports/Updates

1. Wildlife and wildlife incidents within the City of Garden Ridge.

i. Police Department and Animal Services.

The Commission discussed the wildlife reports from the Police Department and Animal Services.

2. Meeting Updates/Reports

i. Items applicable to the Wildlife Management Advisory Commission discussed at the February and March City Council Regular Meetings.

Chair Krawczynski updated the Commission on the items applicable to the Wildlife Management Advisory Commission discussed at the February and March City Council Meetings.

ii. Items applicable to the Wildlife Management Advisory Commission discussed at Parks Committee Monthly Meetings.

Commissioner Drichta spoke regarding attending the monthly Parks Committee meetings.

a) Education/Training Session – “Dark Skies” by Commissioner Dr. Miner-Williams.

Commissioner Dr. Denise Miner-Williams presented “Dark Skies” and answered questions from the Commission.

c) Discussions/Reports/Updates (continued)

3. Wildlife Management Advisory Commissioner activities and projects.

i. Update of Commissioner’s activities and projects.

Commissioner Drichta spoke regarding the Mayor’s Monarch Pledge Program. Commissioner Dr. Miner-Williams spoke regarding the impact on native wildlife from the winter storm, the loss to coastal fisheries, and “Texas Hill Country Wildlife” Instagram page. She explained the Instagram page includes informative posts regarding wildlife management from Texas Parks and Wildlife Department Biologists.

ii. Future education/training sessions and Grapevine articles.

Commissioner Dr. Miner-Williams stated she will provide an article for the April Grapevine.

4. Wildlife Management Plan, Deer Management Program, and Feral Hog Management.

i. Discuss status and make recommendations related to, if needed.

Commissioner Sullivan provided an update on the equipment for Feral Hog Management.

5. Ordinance No. 210-022018 An Ordinance of the City Council of the City of Garden Ridge adopting board and commission policy and procedures; providing that this Ordinance shall be cumulative of all Ordinances; providing a severability clause; providing a savings clause; and providing an effective date.

i. Discuss and make recommendations related to application of ordinance provisions to commission members, if needed.

Kat Balbi, Assistant City Secretary, spoke regarding the waiver approved by City Council for the provision in Ordinance No. 210 that requires Commissioners to attend two (2) City Council regular meetings each calendar year during the current public health emergency and stated Commissioners are still encouraged to attend City Council meetings.

d) Future Agenda Items

1. Commissioners input on agenda items.

Chair Krawczynski requested a discussion on Dark Sky.

2. Announce the date, time, and location for next meeting.

Chair Krawczynski announced the next Wildlife Management Advisory Commission Regular Meeting will be held on Monday, April 19, 2021, at 6:00 p.m. at City Hall.

6. Citizen Comment Period

Kay Bower, 8947 Garden Ridge Drive, spoke regarding Ordinance No. 13 and future development.

7. Adjournment

There being no further business, the Monday, March 15, 2021, Wildlife Management Advisory Commission Regular Meeting was adjourned at 6:57 p.m. by Chair Krawczynski.

ATTEST:

David Krawczynski
Chair

Kat Balbi
Assistant City Secretary

Dark Skies Protect Wildlife:



What are Dark Skies??

Wildlife Management Commission

Garden Ridge, TX

Denise Miner-Williams, PhD, RN

15 March 2021



National Science Foundation
WHERE DISCOVERIES BEGIN

Introduction to Outdoor Lighting

And How it Affects Light Pollution

IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness



What We'll Cover

- Definitions
- Outdoor Lighting: purpose, shielded vs unshielded
- Issues with Outdoor Lighting
- Solutions



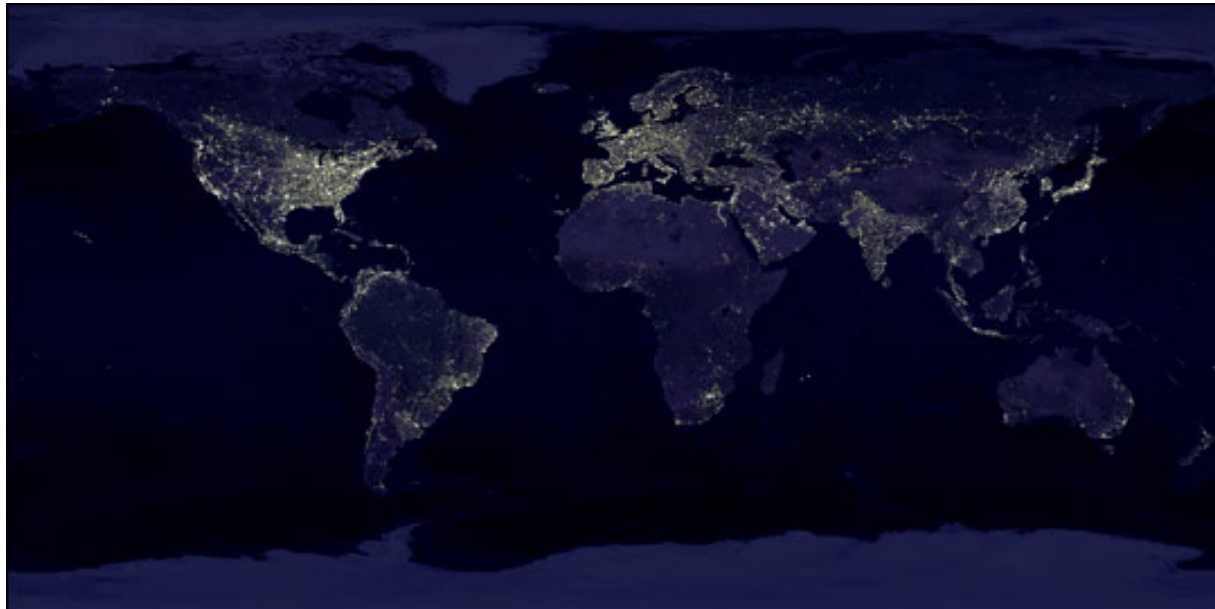
What is Nightscape?

- For many centuries the nightscape was the moon and stars. During a full moon it would be relatively bright and during a new moon, rather dark.
- For urban dwellers over the last 100 years it has come to be described as lighting buildings, streets, and open spaces.
- Could there be a compromise?



What is light pollution?

- Wasted light that performs no function or task
 - Sky glow
 - Glare
- Artificial light that goes where it's not supposed to go
 - Neighbor's window
 - Into the sky



Ways of Measuring Light Pollution

- Sky quality meter
- Bortle scale (1-9; Texas Parks and Wildlife)
- [Light pollution map](https://www.lightpollutionmap.info) :
<https://www.lightpollutionmap.info>
- Phone app: Clear Outside by FLO



The Source of Light Pollution: Outdoor Lighting



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IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Outdoor lighting should...

- Provide a safe and secure environment
- Create safe routes for traffic, cyclists and pedestrians
- Facilitate the extended use of outdoor spaces
- To enhance historic/notable features



IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Outdoor lighting should...

- Enhance visibility, not impede it
- Not produce glare
- Be a part of the total nightscape, not all of it
- Not allow light trespass on other's property
- Have a master plan



Importance of Shielding Light

- Unshielded lights produce
 - Sky Glow
 - Glare



Following six slides show shielded and unshielded outdoor lighting examples



Recessed
lighting done
badly, and
Recessed
lighting done
well.



Fully shielded lighting at an airport



IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Unshielded lighting at an ATM



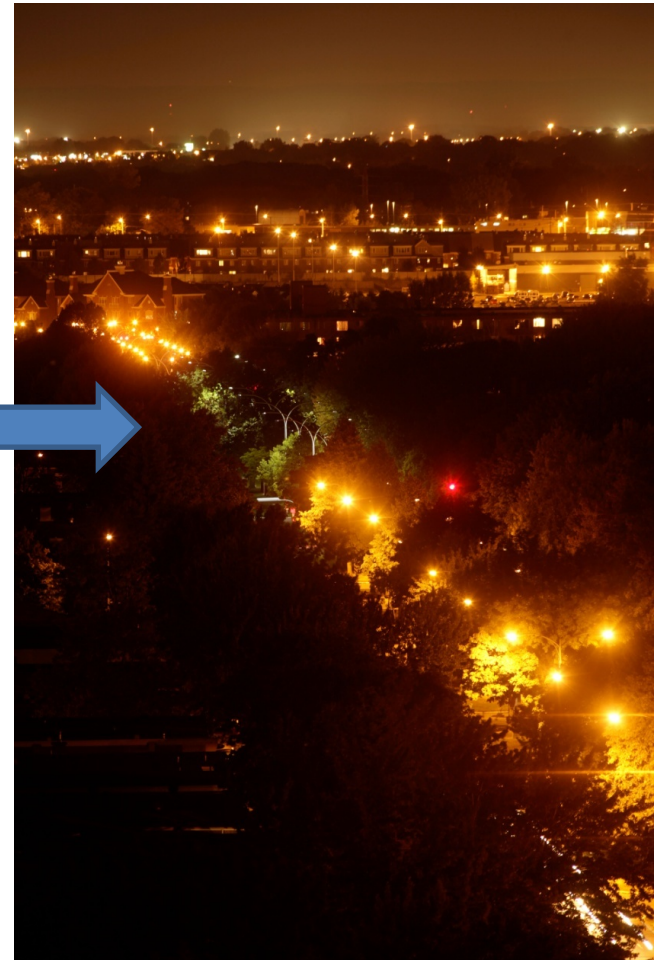
IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

A typical un-shielded mercury vapor luminaire



How shielded lighting reduces glare

- The image below is a test site for fully shielded street lights. To the right; the same lights shown in comparison to the un-shielded existing lights.



The Issues



IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Unshielded Luminaires Waste Energy

- Light that spills out is wasted energy, and wasted money.
- Environmentally responsible outdoor lighting reduces this waste and costs no more than earlier manufactured light fixtures.
- Below- lighting before (left) and after (right).
Unnecessary lights on the roof only added to the light bill, not to the safety of the parking lot.



IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Non-shielded lights are unsafe

- The glaring lamp to the right of the path was installed to protect students at night.



Where did the student go?



IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

Negative Impact on Human Health

- Light trespass into bedrooms disrupts sleep patterns.
- Glare in our eyes can be blinding and reduce our night vision.
- New research: impact to our biological clocks.



Negative Impact on Astronomy

- Light pollution negatively affects one of our greatest natural laboratories, the night skies.
- This is an important industry that has given us
 - Cell phone technology
 - X-rays, MRI's, and medical imaging
 - Satellite communications



Negative Impact on Wildlife

- Animals and plants live by a rhythm based on a 24 hour cycle. Wildlife and fish can become disoriented by too much artificial light (AL) at night.
- It interferes with migration, mating, foraging for food, and sleep.



AL has Deadly Effects on Wildlife

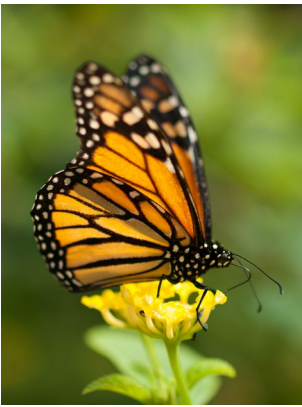
- Birds...

...that migrate or hunt at night navigate by moon- and starlight. AL can cause them to wander off course towards dangerous nighttime landscapes of cities. Every year millions of birds die colliding with needlessly-illuminated buildings and towers.

- Frogs and toads

Artificial lights disrupt nocturnal croaking (part of breeding ritual), interfering with reproduction, thus reducing population





Others affected



- Hummingbirds
- Bats
- Mice
- Fireflies
- Wallabies
- Atlantic salmon
- Peahens

Monarch butterflies

Owls

Geckos

Insects

Seabirds

Songbirds

Zooplankton



Sea turtles...

...hatch at night on the beach. Hatchlings find the sea by detecting the bright horizon over the ocean.

AL draw them away from ocean.

In Florida alone,
millions of
hatchlings die
this way every
year.



Coral

Bright urban lights can mask the moon's phases, which throw coral's biological clocks and reproduction out of sync



Solutions

- Light pollution is increasing at a global average rate of 2% per year.



Solutions

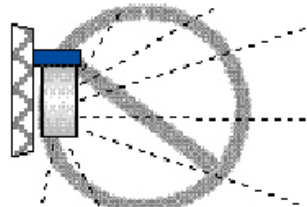


IDA in Partnership with NOAO, NSF and IYA
Dark Skies Awareness

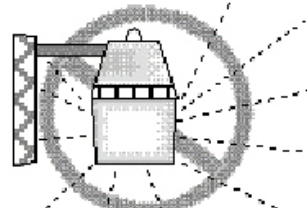
Lamps

EXAMPLES OF SOME COMMON LIGHTING FIXTURES

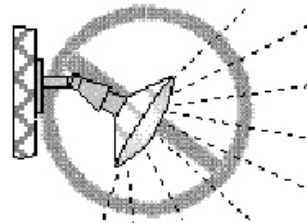
POOR



Typical "Wall Pack"

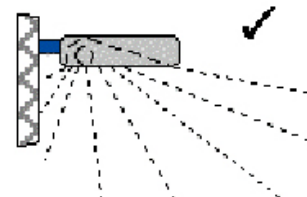


Typical "Yard Light"

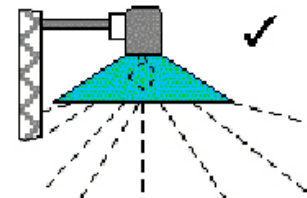


Area Flood Light

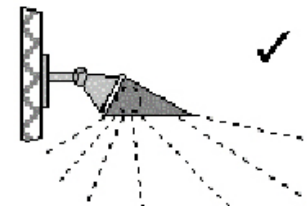
GOOD



Typical "Shoe Box" (forward throw)



Opaque Reflector (lamp inside)



Area Flood Light with Hood

Types of Luminaires

- Column mounted fittings: used for streets, car parking, cycle tracks and pedestrian areas (pictured: Pacific Lighting model TRL)



- Wall mounted lanterns: used most commonly for security (pictured: Lighting by Brandford model Glarebuster)

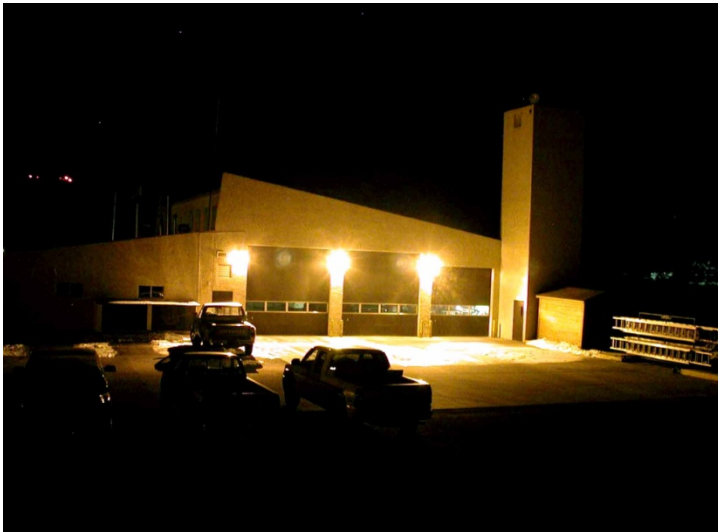
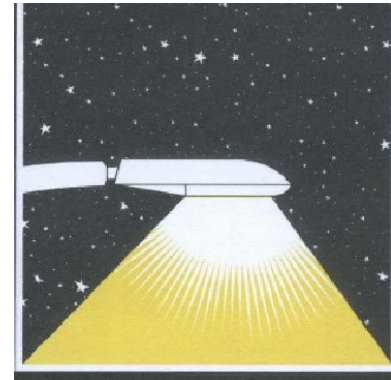
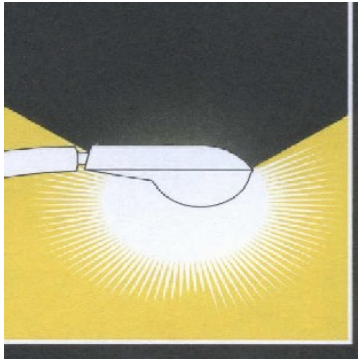


Types of Luminaires

- Lighting bollards: used for pathway and area lighting
(pictured: Architectural Area Lighting model Concrete bollard)
- Recessed fittings: used for pathways, or where buried in the ground for uplighting structures, trees and other incidents. (pictured: Deck-Lighting model deck light)



Shielded Luminaires



5 Principles for Responsible Outdoor Lighting

- **Useful:** Should have a clear purpose
 - **Targeted:** direct only to where needed.
 - **Low Light levels:** No brighter than necessary
 - **Controlled:** Use only when useful
 - **Color:** Warmer color lights where possible
-
- Ruskin Hartley, Executive Director IDA and Brian Liebel, Director of Standards & Research IES

Also...

- Work with your neighbors and local government to ensure outdoor lighting is safe for wildlife.
- Visit darsky.org for more information

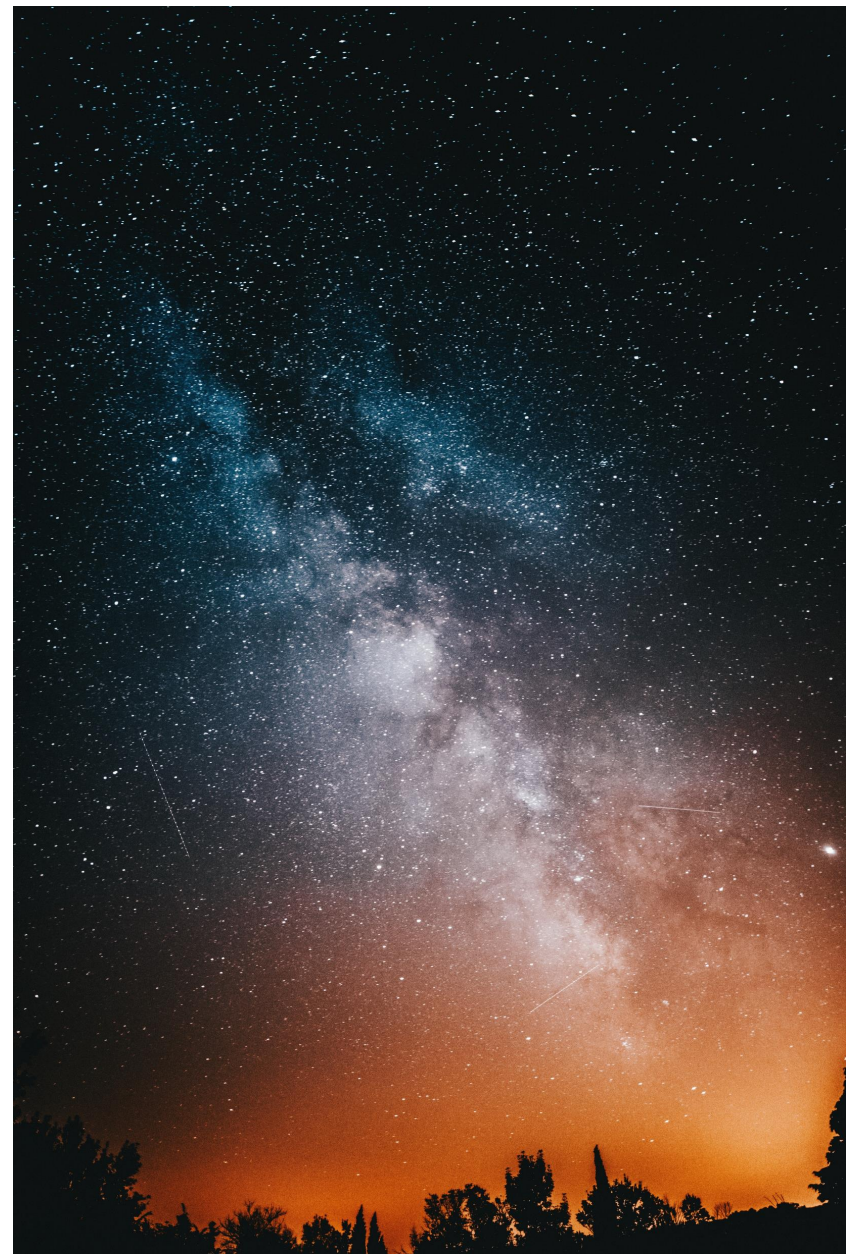
Help Protect Wildlife:

Do your part in keeping the
skies dark!

International Dark Sky Week April 5-12th! Go to
the IDA's website to learn more:

<https://idsw.darksky.org>

Visit Texas Parks and Wildlife Department:
Dark Skies Program



GARDEN RIDGE POLICE DEPARTMENT



MEMORANDUM

To: Wildlife Management Commission
City of Garden Ridge

From: Ron Eberhardt
Chief of Police
City of Garden Ridge

Date: 12 April 2021

Copies:

Reference: Monthly Wildlife Statistics / 9 March 2021 thru 12 April 2021

Members of the Commission,

Here is the data collected for the preceding weeks regarding the Police Departments involvement with animal related calls. These numbers do not include any cases related to domestic dogs or cats.

9 March 2021 thru 12 April 2021

- 1 - Deer stuck in fence. Removed before PD arrived at location
- 1 - Sick piglet turned over to Public Works / Dispatched by officer

Future Agenda Items

Wildlife Management Advisory Commission

May 17, 2021 Regular Meeting

- 14** days before Meeting (05/03/2021) Commission and Staff items are due
- 11** days before Meeting (05/07/2021) City Administrator and Chair review agenda.
City Attorney is sent the agenda for approval.
- 7** days before Meeting (05/10/2021) Post Agenda and Commission will receive packet
- 4** days before Meeting (05/13/2021) Post Agenda Packet to City Website
- 3** days before Meeting (05/14/2021) (72 hours) – Local Govt. Code requirement for posting

- City Council = Red
- Quarry Commission = Purple
- Planning & Zoning = Green
- Water Commission = Blue
- Wildlife Management Advisory Commission = Brown
- Municipal Court = Gray
- City Holiday = Orange

Sun	Mon	Tues	Wed	Thur	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Approvals/Discussions/Reports

1. Minutes
2. Wildlife Management Plan / Police & Animal Services Wildlife Report / Ordinance 210
3. Future Agenda Items: Commissioner Input / Set next meeting

June 21, 2021 Regular Meeting

- 14** days before Meeting (06/07/2021) Commission and Staff items are due
- 11** days before Meeting (06/10/2021) City Administrator and Chair review agenda.
City Attorney is sent the agenda for approval.
- 7** days before Meeting (06/14/2021) Post Agenda and Commission will receive packet
- 4** days before Meeting (06/17/2021) Post Agenda Packet to City Website
- 3** days before Meeting (06/18/2021) (72 hours) – Local Govt. Code requirement for posting

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Sun	Mon	Tues	Wed	Thur	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

Approvals/Discussions/Reports

1. Minutes
2. Wildlife Management Plan / Police & Animal Services Wildlife Report / Ordinance 210
3. Future Agenda Items: Commissioner Input / Set next meeting

PENDING FUTURE AGENDA ITEMS

- Education/training session regarding social media from City Attorney (Kneupper)
- Update on research performed on non-drug birth control studies (TBD)
- Discussion on future surveys, including adult children (age 18 or older) living at home (Kneupper)
- Cost and provider for autopsy of a deer showing signs of Bottleneck (Krawczynski)
- Discussion on catching rainwater and Renaming Butterfly Meadow in Paul Davis Park (Drichta)

Wildlife Management Advisory Commission Rolling Attendance

Commissioners	1/25/21 Regular Meeting	3/15/21 Regular Meeting	4/19/21 Regular Meeting	5/17/21 Regular Meeting	6/21/21 Regular Meeting	7/19/21 Regular Meeting	8/16/21 Regular Meeting	9/20/21 Regular Meeting	10/18/21 Regular Meeting	11/15/21 Regular Meeting	12/20/21 Regular Meeting	
Krawczynski	P	P										
Lemmers		P										
Dr Miner-Williams	P	P										
Kneupper	P	P										
Drichta	P	P										
Bippert	P	P										
Sullivan	P	P										
P	Present		P-QNM	Present but quorum not met		E	Excused for reasons allowed in Ord. 210					
U	Unannounced Absence			Not member yet		A	Voluntary Announced Absence					

Wildlife Management Advisory Commission's Attendance at City Council Regular Meetings

Commissioners	01/06/21 Regular Meeting	02/03/21 Regular Meeting	03/03/21 Regular Meeting	04/07/21 Regular Meeting	05/05/21 Regular Meeting	06/02/21 Regular Meeting	07/07/21 Regular Meeting	08/04/21 Regular Meeting	09/01/21 Regular Meeting	10/06/21 Regular Meeting	11/03/21 Regular Meeting	12/01/21 Regular Meeting	Total for year
Krawczynski		P											1
Lemmers													
Dr. Miner-Williams													
Kneupper	P	P	P	P									4
Drichta													
Bippert													
Sullivan													
	Met requirements			Not met requirements									