Date: September 10, 2019

To: Ivins City Council
From: Mike Scott

Re: Index of IDA Requirements in "Recommendations for Updating the Ivins Outdoor Lighting Ordinance"

The following numbered items are requirements by the International Dark sky Association IDA) for Ivins to be considered for designation as a "Dark sky Community."

In each of these numbered items, some or all the changes are to satisfy IDA, however there are often additional changes we found in other ordinances or we added. These are footnoted so you can see what language is for IDA and what language is simply recommendations, typically from other ordinances.

I have also identified sections that are not IDA requirements, but provide additional protections for certain types of uses, whether in existing properties or both existing and new construction.

1. Definitions" section (pages 9-19). Probably half of the new or modified definitions are needed to meet the IDA requirements. These are indicated in the footnotes.
2. Non-conforming installations (pages 21-23). These additions are important because of the comments in footnote #63 on page 22. We believe all existing lighting that was permitted when installed should be grandfathered even though IDA now requires these be brought into compliance within 10 years. So, the language added in this section is intended to "counter" IDAs new requirement and protect existing uses. We believe that because we began this process with IDA before their new requirement we will prevail, with the help of the recommendations in this section.
3. Exemptions (pages 23-24) These are not IDA requirements, but please note that we have increased the number of lighting situations that are exempt from the ordinance. We have also exempted Tuacahn High School on the topic of electronic display signs (page 33) and added exemptions for Tuacahn's amphitheater (page 40), which would also protect other entities if they chose to build an outdoor theater.
4. Correlated color temperature (pages 24-25). Note: The City's new ordinance 2018-18 which was recently approved meets the recommendations on these pages and exceeds IDAs requirement (see footnote #83)
5. Light trespass (page 25). First sentence
6. Allowed illuminance values (page 25)
7. Fully shielded fixtures (pages 25-26)
8. Spotlights (page 26)

9. Pathway lights, architectural lights, water feature illumination, and sign illumination (page 26). This section is not an IDA requirement. Instead, we recommend excluding this type of lighting from any fully shielded requirement.
10. Limit on lumens per net acre (pages 26-28)
11. Light curfews (pages 29-30)
12. Illuminated signs (page 32)
13. Electronic display signs (page 33). We recommend prohibiting electronic display signs except for the one at Tuacahn High School (we are not aware of others). IDA does not prohibit electronic display signs but requires several conditions. See footnote #110.
14. Service station canopy lights (page 33). First paragraph is the IDA requirement. Additional recommendations on pages 34-35 are from other communities.
15. Lighting of flags (pages 35-36)
16. Roadway/streetlights (pages 36-37). The City meets this recommendation as a result of recent changes to the City's Standard Specifications (Section 2.10).
17. Sports facility lighting (pages 39-40)
18. Outdoor amphitheater (page 40). This is not an IDA requirement. It is a protection for a current use as well as for others who may want to add this use to their development in the future.
19. Prohibited lighting (page 42)
20. Publicly owned lighting (pages 43-44)

The "Administrative" sections (pages 44-46) include language recommended by IDA as well as language used in other ordinances. However, the City may already deal with these issues in other documents or choose other ways to address these items.

The "addendum" (pages 47-49) should be expanded to make the requirements of the ordinances clearer. In addition, we recommend including more illustrations in the ordinance, likes those on pages 11, 12, 15, 38 to clarify the intent of various sections. We would have included more except we were limited by time and artistic inability.

Some of the other changes or additions are simply clarifications, and others are taken from other cities that appeared to us to be good ideas. We originally considered focusing only on changes to meet IDA, but ultimately decided that since IDA related changes were already significant, we might as well make recommendations to create a revised ordinance that will be as comprehensive as possible so the City won't need to revisit it for many years to come. That creates more work today but lays a stronger foundation for the future.