

## Agenda Item # 11

Dane County Communities,

As it has in past years, the Dane County Land Information Office (LIO) is coordinating the Fly Dane aerial photography project, this time for the 2017 project year. The product of the effort will be color, 6-inch resolution aerial imagery and LiDAR data that supports 2-foot contours across the county. As with all Fly Dane projects, the Fly Dane Partnership has been crucial to the success of each project. While your community has not participated in recent Fly Dane projects, I'm contacting you to see if there would be interest in joining the Fly Dane Partnership for 2017.

The basic premise of the partnership is **economies of scale**; if we all contribute a little, we can all get a lot more. The total cost for the 2017 project is \$338,750, and the partnership is being asked to provide \$102,000 in funding. This is a significant cost reduction from the first Fly Dane project in 2000, which cost \$1. Million, partners contributed approximately \$320,000 and developed a suite of products at a lower resolution and accuracy. This cost reduction is due to advances in technology that help drive down costs.

With all Fly Dane projects, the cost of participation is based on a formula that establishes a minimum contribution, which for 2017 is \$600. The cost is divided between the various partners, but establishes factors that weigh the overall area (acres) against the equalized value for each community. The cost range for a town or village participation ranges from \$600 to \$2,500. However, the more partners that contribute, the lower the cost for everyone.

The data developed through the partnership provide some of the foundational data for many community applications. The aerial imagery is a valuable product to understand landscape activities that inform decision makers and support exhibits for public meetings. It provides a base product for determining land use, identifying areas of change and is an essential dataset for data development. LiDAR (a remote sensing method using lasers to map the surface of the Earth) allows for the development of derivative data that is a key in the development of runoff modeling, steep slope and view shed analyses, and numerous other applications.

The nominal cost of participation in the partnership (again, ranging between \$600 and \$2,500, based on jurisdictional land area and equalized value) is a great value for what you receive, especially in light of the many possible community analysis, planning, and decision-making applications of the data.

If your community is interested in joining the partnership, or if you simply want to learn more about it, please contact me. I look forward to hearing from you.

Respectfully,

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