



Colorado Springs Utilities
It's how we're all connected

2022 Pikes Peak Geospatial Alliance (PPGA) Orthoimagery Project

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Agenda

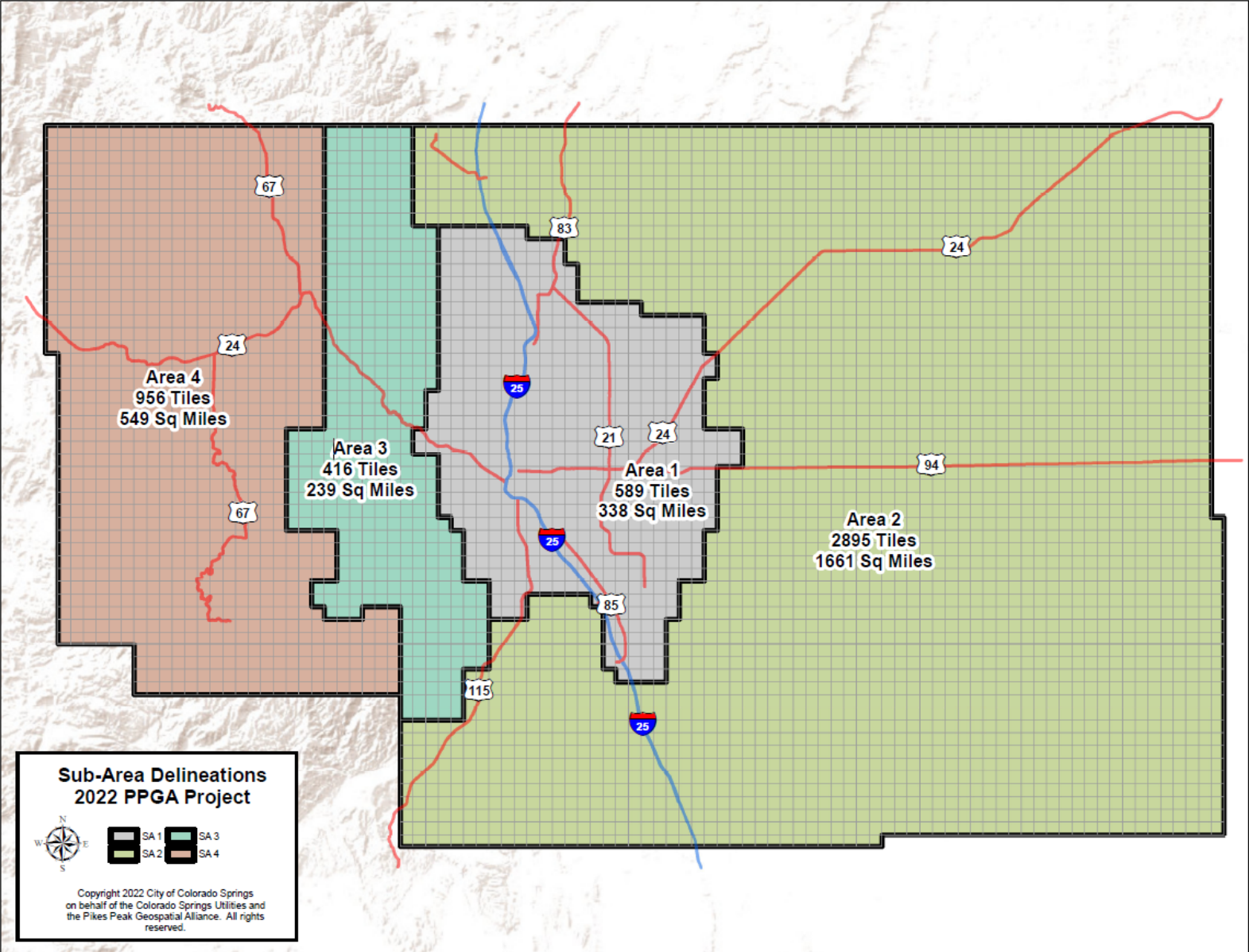
1. **PPGA History**
2. **2022 Project Description**
3. **2022 Project Cost**
4. **Next Steps**

Colorado Springs Utilities – PPGA History

- Established in 2004 with other area local governments
- Purpose: cost sharing for digital aerial photography and geo-spatial products acquired on a biennial basis.
- Current members:
 - City of Colorado Springs
 - Colorado Springs Utilities
 - El Paso County
 - El Paso/Teller E911
 - Teller County
- 2022 Additional Non-Member Participants:
 - City of Fountain

Colorado Springs Utilities – 2022 Project

The purpose of the 2022 PPGA project is to acquire new color digital aerial photography and secondary products for full extents of El Paso and Teller Counties



Colorado Springs Utilities - 2022 Project Cost

Cost

- **Total Cost of Project – \$218,883.93**
 - **El Paso County – \$182,485.23**
 - **Teller County – \$36,398.7**
- Project Area – 2785 sq. mi, 7213 sq. km (Full tiles)
 Project Area – 2237 sq. mi, 5794 sq. km (Full tiles)
 Project Area – 548 sq. mi, 1419 sq. km (Full tiles)

✓ Total cost includes Imagery and Building data capture

Imagery Area	Product	Cost	Sq Miles	Cost/sq mi	Sq Kilo	Cost/sq km
Entire Project	Class I & II	\$148,419.96	2785	\$53.29	7213	\$20.58
El Paso County	Class I	\$121,798.95	2237	\$54.45	5794	\$21.02
Teller County	Class II	\$26,621.01	548	\$48.59	1419	\$18.76

Building Area	Approx # Bldgs	Cost	Sq Miles	Cost/sq mi	Sq Kilo	Cost/sq km
Entire Project	300,000	\$70,463.97	2785	\$25.30	7213	\$9.77
El Paso County	285,000	\$60,686.28	2237	\$27.13	5794	\$10.47
Teller County	15,000	\$9,777.69	548	\$17.84	1419	\$6.89

Colorado Springs Utilities – Participant Cost

✓ Breakdown of Costs by Participants

November 30, 2021		Cost Estimates							
Product Description	Subtotal	Colorado Springs	CSU	E911	EPC	Teller County	Fountain		
Base Aerial Product (Sub Areas 1-3 - El Paso County)									
Cost Share (%)	100%	23.75%	23.75%	23.75%	23.75%	0.00%	5.00%		
8 Bit, 4 Band Ortho Imagery - 6 inch/1 Foot Resolution	\$115,198.95	\$27,359.75	\$27,359.75	\$27,359.75	\$27,359.75	\$0.00	\$5,759.95		
Survey Control	\$6,600.00	\$1,567.50	\$1,567.50	\$1,567.50	\$1,567.50	\$0.00	\$330.00		
	\$121,798.95	\$28,927.25	\$28,927.25	\$28,927.25	\$28,927.25	\$0.00	\$6,089.95		
Base Aerial Product (Sub Area 4 - Teller County)									
Cost Share (%)	100%	0.00%	0.00%	50.00%	0.00%	50.00%	0.00%		
8 bit, 4 Band Ortho Imagery - 1 Foot Resolution	\$25,121.01	\$0.00	\$0.00	\$12,560.51	\$0.00	\$12,560.51	\$0.00		
Survey Control	\$1,500.00	\$0.00	\$0.00	\$750.00	\$0.00	\$750.00	\$0.00		
	\$26,621.01	\$0.00	\$0.00	\$13,310.51	\$0.00	\$13,310.51	\$0.00		
Secondary Product (Sub Areas 1-3 - El Paso County)									
Cost Share (%)	100%	23.75%	23.75%	23.75%	23.75%	0.00%	5.00%		
Building Footprints - 100 Sq Ft	\$60,686.28	\$14,412.99	\$14,412.99	\$14,412.99	\$14,412.99	\$0.00	\$3,034.31		
	\$60,686.28	\$14,412.99	\$14,412.99	\$14,412.99	\$14,412.99	\$0.00	\$3,034.31		
Secondary Product (Sub Area 4 - Teller County)									
Cost Share (%)	100%	0.00%	0.00%	50.00%	0.00%	50.00%	0.00%		
Building Footprints - 100 Sq Ft	\$9,777.69	\$0.00	\$0.00	\$4,888.85	\$0.00	\$4,888.85	\$0.00		
	\$9,777.69	\$0.00	\$0.00	\$4,888.85	\$0.00	\$4,888.85	\$0.00		
JPEG 2000 - PD Areas 1-13 (El Paso County)*	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	NA	NA		
JPEG 2000 - PD Areas 1-3 (City of Colorado Springs)*	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	NA	NA		
JPEG 2000 - PD Areas 14-15 (Teller County)*	\$0.00	NA	NA	\$0.00	NA	\$0.00	NA		
JPEG 2000 - PD Area 4 (City of Fountain)*	\$0.00	NA	NA	NA	NA	NA	\$0.00		
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
	\$218,883.93	\$43,340.24	\$43,340.24	\$61,539.59	\$43,340.24	\$18,199.35	\$9,124.26	\$218,883.93	

* City of Fountain pays 5%, as they cover approximately 5% of the project area.

Colorado Springs Utilities – Next Steps

February 8, 2022
City Council Consideration of Resolution

Questions?