



Update on Metal Shade Canopies Over Playgrounds

**City Council
May 15, 2018**



STRATEGIC PLAN

Goal 4 - Enhance El Paso's Quality of Life through Recreational, Cultural and Educational Environments



BACKGROUND

- City Council was provided presentation on Shade Over Playgrounds on March 6, 2018
- City staff were directed to analyze what the cost of placing metal shade canopies over all playgrounds would be



Canopies Over Playgrounds Required

How many playgrounds? **158**

How many playgrounds coming from PLD? **27**

How many canopies, metal or fabric:

Metal – **14**

Fabric – **49**

How many playgrounds without canopies, including PLD? **122**

EXISTING CONDITION					IN DEVELOPMENT	
District	Existing Playgrounds	Metal Canopies	Fabric Canopies (including 14 QOL projects)	Playgrounds With No Canopies	Playgrounds in development via PLD	Total Canopies Needed
1	25	2	7	16	12	28
2	15	2	5	8	0	8
3	14	2	6	6	0	6
4	20	4	5	11	4	15
5	23	0	7	16	9	25
6	20	2	5	13	2	15
7	12	0	5	7	0	7
8	29	2	9	18	0	18
Total	158	14	49	95	27	122



Metal Canopy Costs

Metal Canopies for 122 playgrounds: **\$16,470,000**

Convert Existing Fabric Canopies to Metal:
\$6,615,000

Apply QOL Funding to Metal Canopies:
\$1,120,000

Grand Total, convert all playgrounds to Metal Shade Canopy:
\$21,965,000

District	Total Canopies Needed	Install Metal Canopies	Convert Existing Fabric Canopies to Metal	Total Cost - All Metal Canopies	QOL Canopy Funding	Grand Total - All Metal Canopies
1	28	3,780,000	945,000	4,725,000	(160,000)	4,565,000
2	8	1,080,000	675,000	1,755,000	(160,000)	1,595,000
3	6	810,000	810,000	1,620,000	(80,000)	1,540,000
4	15	2,025,000	675,000	2,700,000	(160,000)	2,540,000
5	25	3,375,000	945,000	4,320,000	(160,000)	4,160,000
6	15	2,025,000	675,000	2,700,000	(160,000)	2,540,000
7	7	945,000	675,000	1,620,000	(80,000)	1,540,000
8	18	2,430,000	1,215,000	3,645,000	(160,000)	3,485,000
Total	122	\$ 16,470,000	\$ 6,615,000	\$ 23,085,000	\$ (1,120,000)	\$ 21,965,000



Fabric Canopy
Maintenance Cost
over 30 years:
\$38,050

Canopy Type	Initial Costing	Warranty	Yrs 1-10 O&M	Yrs 11-20 O&M	Yrs 21-30 O&M	Wind Damage Incidents Last 5 Yrs	Cost Comparison over the 30 yrs
Metal	\$135,000	1 year on materials	\$1,350	\$1,350	\$1,350	2	\$ 139,050.00
Fabric	\$57,000	10 years on materials	\$1,350	\$1,350	\$1,350	4	\$ 95,050.00
Fabric canopies to be replaced at the end of warranty period. Cost to replace is \$17,000 each time, replace twice.							
O&M costs are based on painting poles once every 3 years, and some touch up in between							



Recommendation

- Both types of canopies (metal or fabric) have their place in our park system
- Many play structures don't get high winds and canopies have lasted years without problems
- Converting the majority of future canopies to fabric will deliver more canopies to the public quicker, and at less initial cost

Example:

\$ 1 million allocation
for canopies

Option 1

13 – Fabric

2 – Metal

Total: **15**

Option 2

If all metal: **7**



Comments or Questions?

