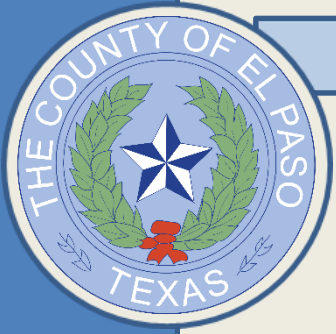




*Building on our legacy, illuminating innovation, succeeding beyond borders.
est. 1850*

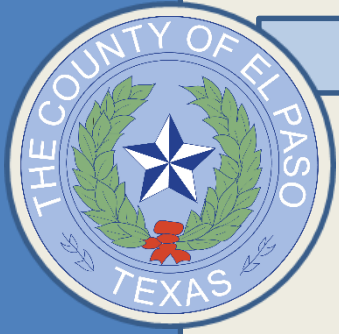
STREET LIGHTING CAPITAL IMPROVEMENT PROGRAM *FY 2020-2024*

*Planning & Development Department
GIS Planning Division*

*El Paso County Commissioners Court
April 8, 2019*

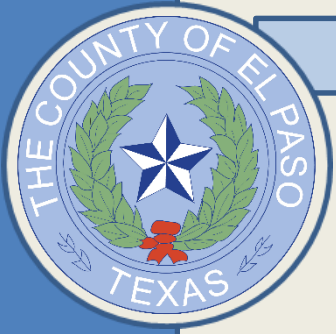


PRIDE = Professional • Results • Innovation • Dedication • Ethical



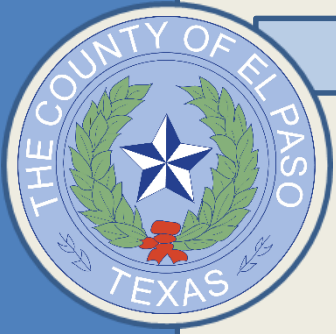
OVERVIEW

- Previous Policy Adopted July 18, 2016
- Neighborhood Infrastructure Improvement Plan Coordination:
 - 100 Streetlights per Year (Current Standard)
 - ~164 Streetlights per Year (Proposed Standard)



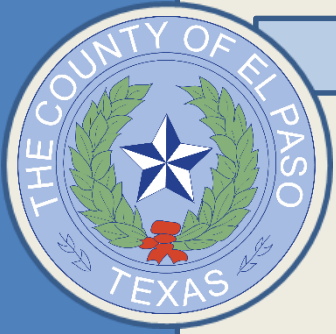
PROPOSED AMENDMENTS

- Annual Budgetary Allotment (Page 1, Sec. I.A.ii)
 - Current : 100 Fixtures
 - Proposed
 - FY20: 178 (Includes One-Time Ascarate Park Allocation)
 - FY21: 167
 - FY22: 165
 - FY23: 160
 - FY24: 158
- Installation Implementation Distribution (Page 3, Sec. III.B)
 - Current: Based on Unincorporated Area Population by Court Precinct
 - Proposed: Based on Identified Needs by Community (See Exhibit A, Page 6)



PROPOSED AMENDMENTS

- Additional One-Time Lighting Improvements (Page 3, Sec. III.C)
 - Areas Outside Original Scope of Policy
 - Example: Ascarate Park Streetlighting Improvements (20 in FY20)
- Lighting Standards (Page 4, Sec. VI.A.vi)
 - Reduce Spacing from 600 Linear Feet to 300 Linear Feet
 - Emphasize Intersection Illumination



ESTIMATED FISCAL IMPACT

- Five-Year Capital Improvement Program
 - Average of 64 Regularly-Scheduled Fixtures per Year
 - Match Urban Lighting Standard to City of El Paso
- Current Annual Capital Appropriation: \$110,000
- Proposed Average Capital Appropriation: \$229,600
 - FY20: \$249,200
 - FY21: \$233,800
 - FY22: \$231,000
 - FY23: \$224,000
 - FY24: \$221,000
- Annual Operating Cost Savings
 - Single HPS Fixture: \$69.36
 - Single LED Fixture: \$8.16
 - Reduction of 12 Percent

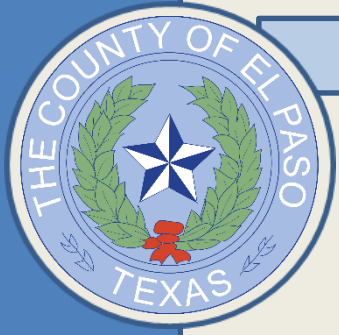
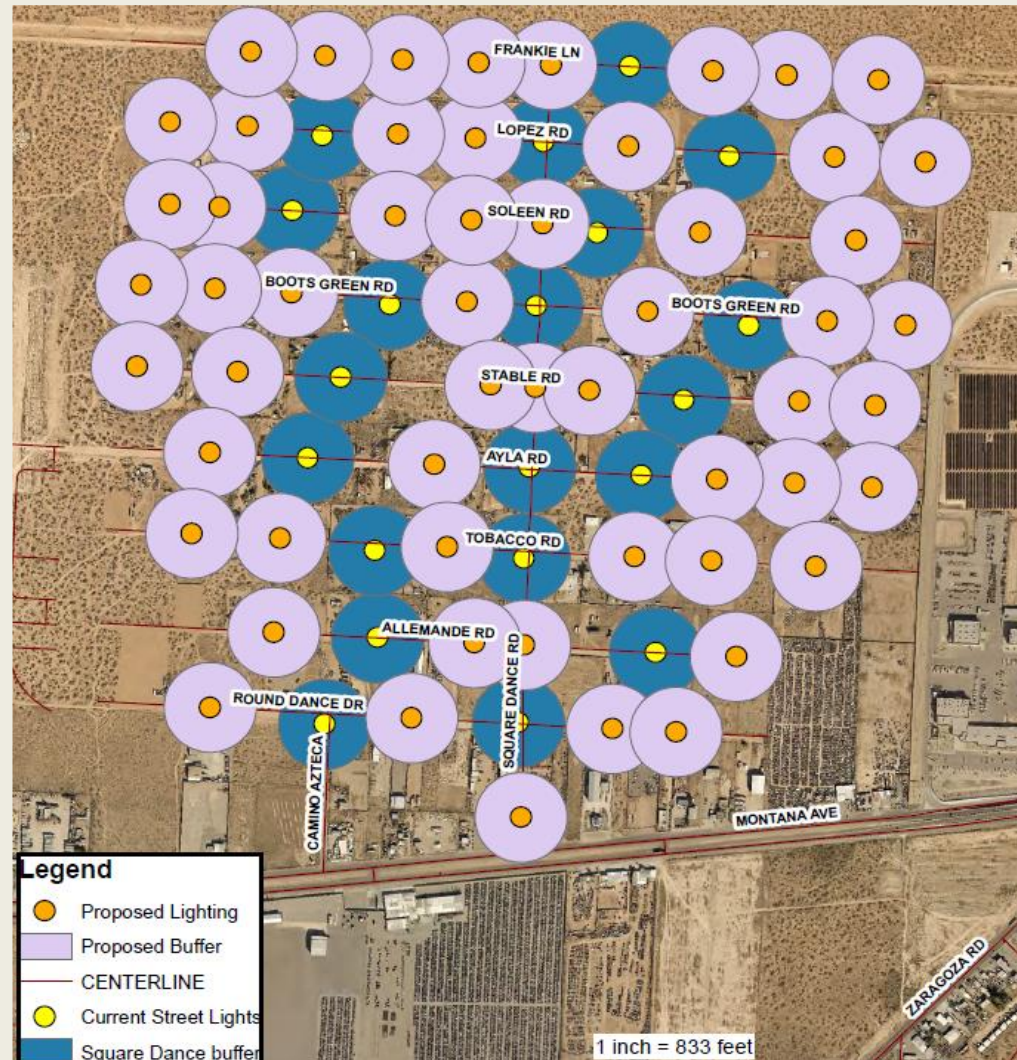


EXHIBIT A: PROGRAM SCHEDULE		TOTAL NEED	FY20	FY21	FY22	FY23	FY24
PCT 1	Square Dance	56	12	11	11	11	11
	<i>Precinct One Total</i>	<i>56</i>	<i>12</i>	<i>11</i>	<i>11</i>	<i>11</i>	<i>11</i>
PCT 2	Ascarate Park (One-Time)*	10	10	0	0	0	0
	<i>Precinct Two Total</i>	<i>10</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
PCT 3	Agua Dulce	47	10	10	9	9	9
	El Paso Hills	40	8	8	8	8	8
	Fabens	74	15	15	15	15	14
	Homestead Meadows North	20	4	4	4	4	4
	Homestead Meadows South	180	36	36	36	36	36
	Greater Horizon Area	88	18	18	18	17	17
	San Elizario (Unincorporated)	48	10	10	10	9	9
	Sparks	127	26	26	25	25	25
	Tornillo	53	11	11	11	10	10
	<i>Precinct Three Total</i>	<i>677</i>	<i>138</i>	<i>138</i>	<i>136</i>	<i>133</i>	<i>132</i>
PCT 4	Canutillo	23	5	5	5	4	4
	Mayfair	18	4	4	4	3	3
	Westway	44	9	9	9	9	8
	<i>Precinct Four Total</i>	<i>85</i>	<i>18</i>	<i>18</i>	<i>18</i>	<i>16</i>	<i>15</i>
Countywide Program Total		828	178	167	165	160	158



DESERT ACCEPTANCE



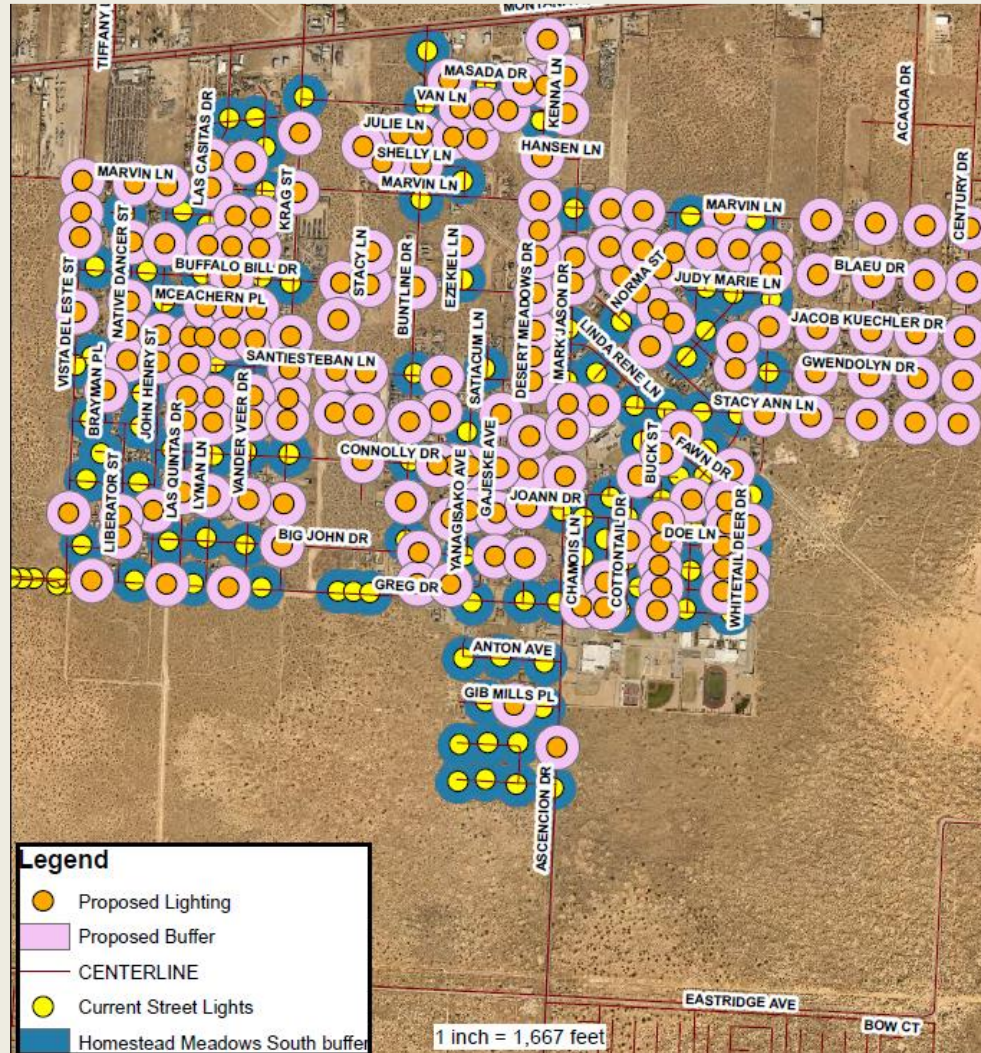


ASCARATE PARK (ONE-TIME ALLOTMENT)



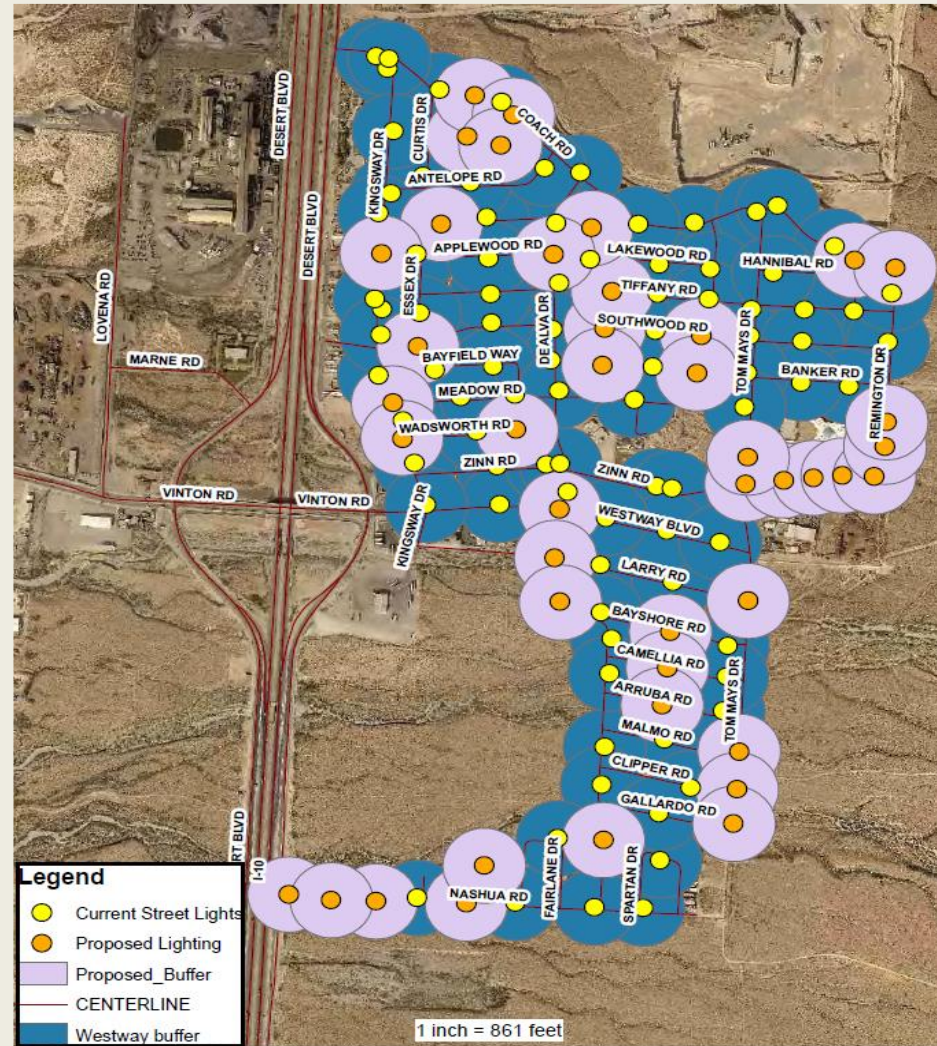


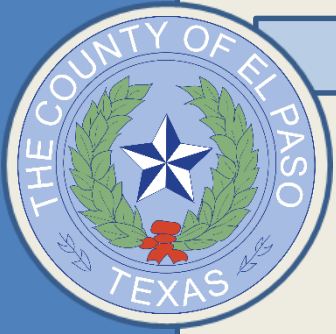
HOMESTEAD MEADOWS SOUTH





WESTWAY





RECOMMENDATION & QUESTIONS

Approve and adopt the Street Lighting Capital Improvement Program (FY 2020-2024) as presented by staff.

