

Tree Master Plan and Removal of Hazardous Trees

November 5, 2019

Fullerton's Urban Forest (inventoried)*

- 33,500 Total Trees in Inventory (*need to inventory additional areas – trails, some parks, etc.)
 - Additional vacant tree sites – approximately 9,400
- Parks Inventory – 6,076 trees
- Streets Inventory – 27,370 trees

Value of Urban Forest

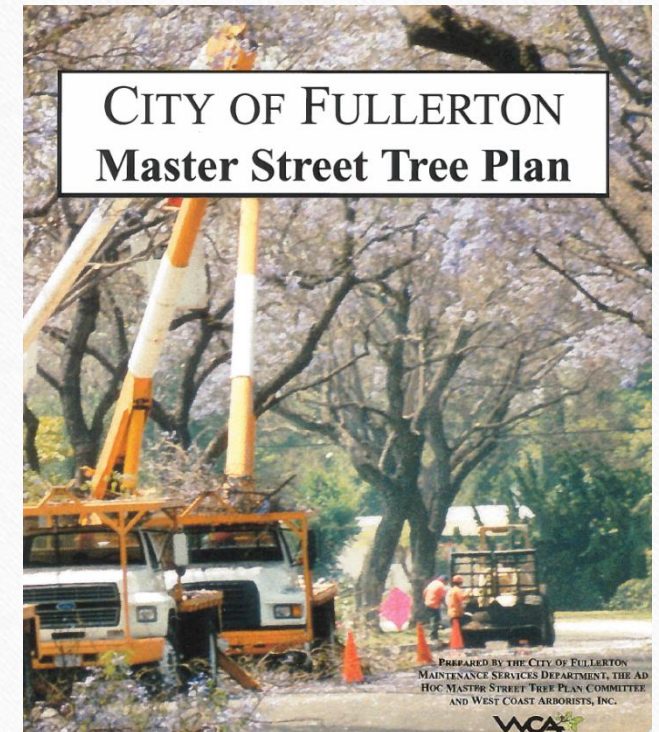
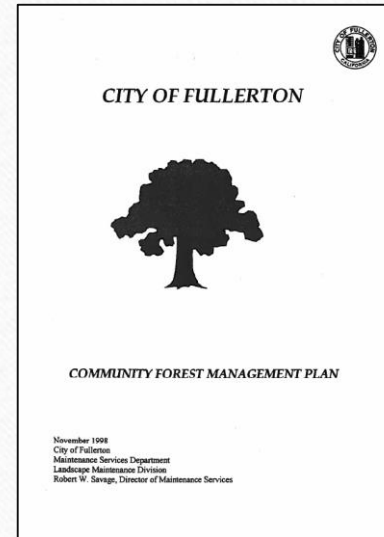
- GHG reduction
- Aesthetic and quality of life enhancement
- Economic benefits
- Shade and value for the future
- Tree City USA – recognition program for sound urban forest management practices



*City of Fullerton
Tree City USA - 38 years*

Approved Urban Forest Management Documents

- City of Fullerton Street Tree Master Plan - 2001
- Community Forest Management Plan - 1998
- Municipal Ordinance – Community Forest, FMC Chapter 9.06



Urban Forest Management Staff

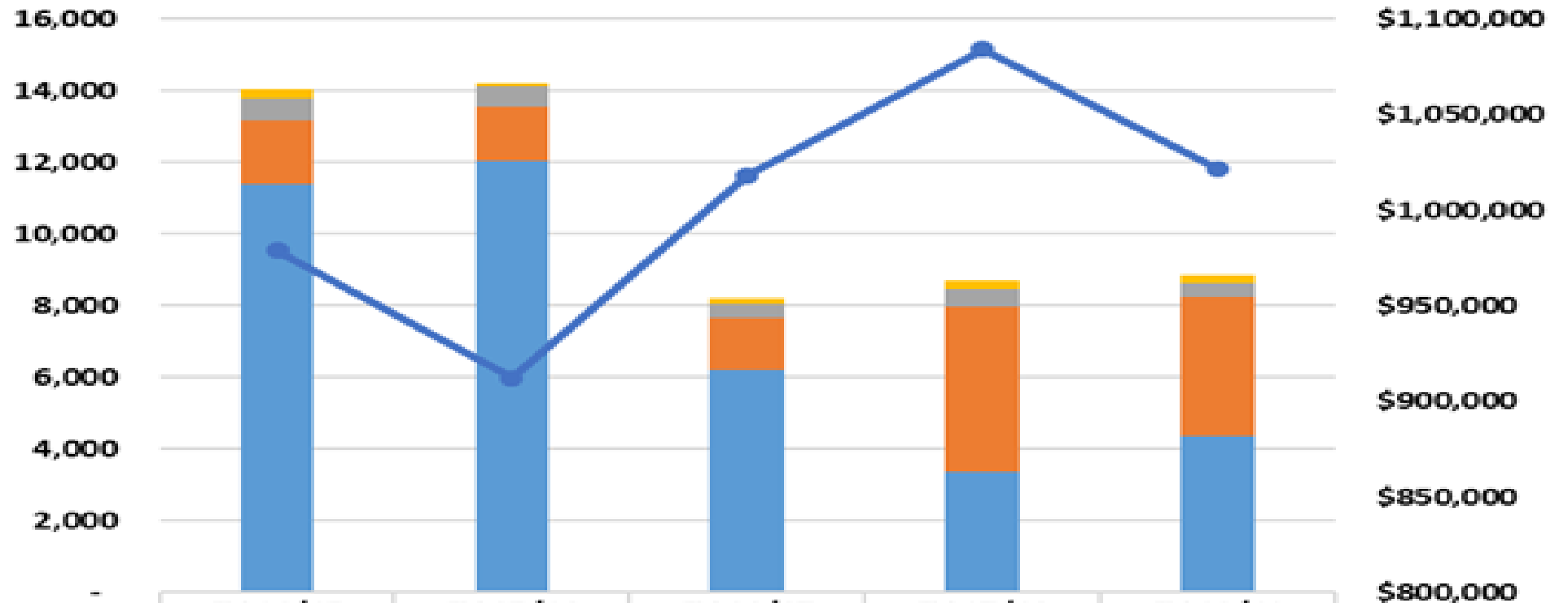
- City Staff - International Society of Arboriculture (ISA) Certified Arborist. Credential was obtained through years of practical work experience in arboriculture, hundreds of hours of assessed professional arboriculture training, successful completion of the Certified Arborist Exam, and continuing education.
- City Contractor – West Coast Arborist - Established in 1972, provides professional tree maintenance and management services for over 275 municipalities in California and Arizona. ISA Certified staff serve on every crew.

Grid Trimming



- Work is performed according to American National Standards Institute (ANSI) standards
- Previously there was a 4-year grid trim cycle, approximately one-quarter of the City's trees per year (CFMP recommendation)
- Increased costs in FY 2016/17 (prevailing wage) caused a significant reduction in grid trimming and increase in service requests

Fullerton's Urban Forest Management

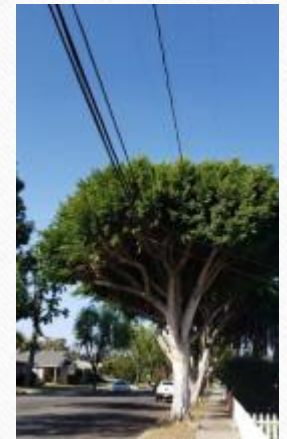


	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19
Plant	240	73	174	254	204
Removal	634	574	382	476	409
Trim/Prune - Other*	1,754	1,514	1,454	4,619	3,858
Trim/Prune - Grid	11,403	12,041	6,212	3,370	4,371
Cost	\$978,790	\$912,390	\$1,018,186	\$1,084,236	\$1,021,761

■ Trim/Prune - Grid
 ■ Trim/Prune - Other*
 ■ Removal
 ■ Plant
 —●— Cost

Lessons Learned Over Time

Right Tree, Right Place
Water Efficiency/Climate
Maintenance Costs
Infrastructure Impacts





California Department of Forestry & Fire Protection

WCA and CITY Partner on CAL FIRE Grant

- Pursue \$300,000 Grant from CAL FIRE
- WCA to perform work as follows:
 - Survey of existing urban forest
 - Update documents (Tree Master Plan, Community Forest Master Plan, and related ordinances)
 - Engage community during the process
 - Plant trees

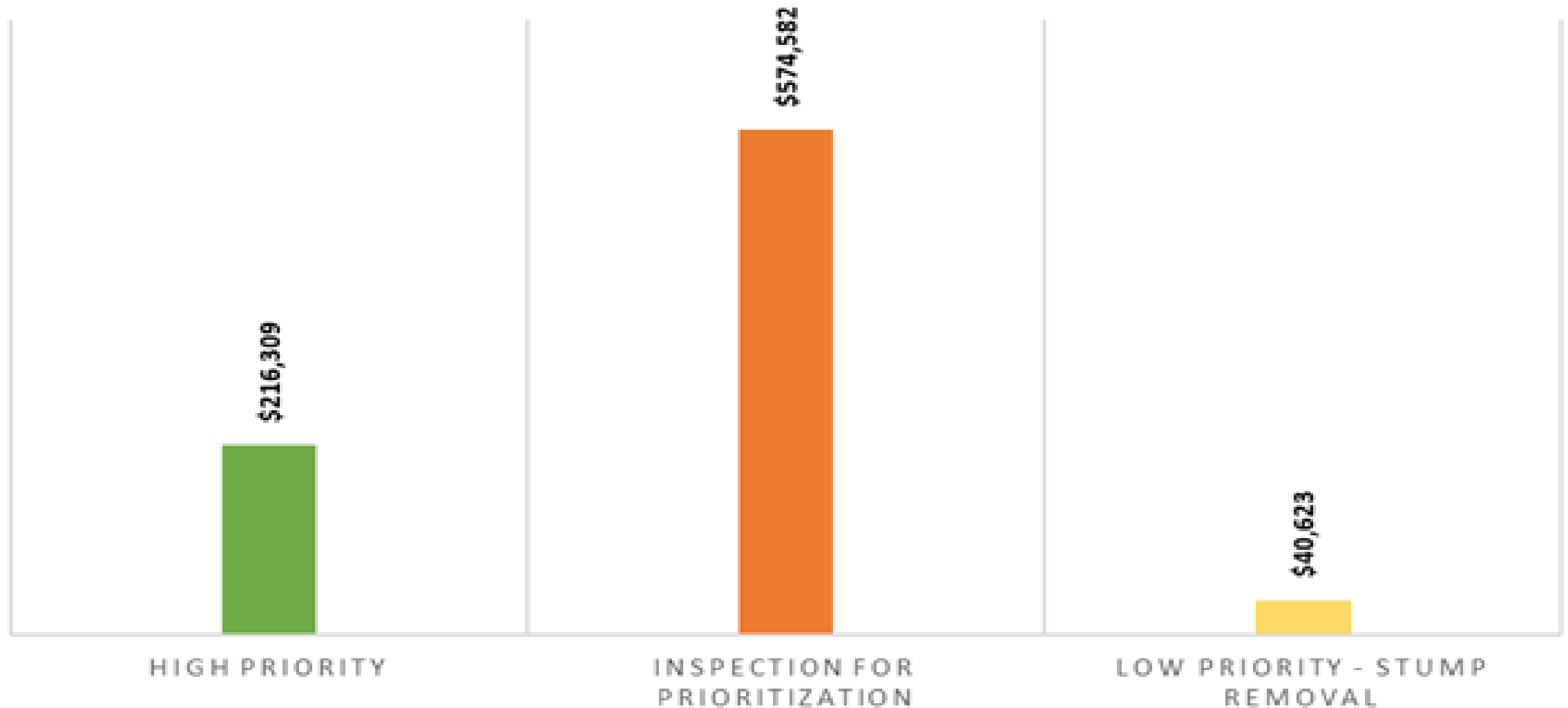


Hazardous Tree Removals

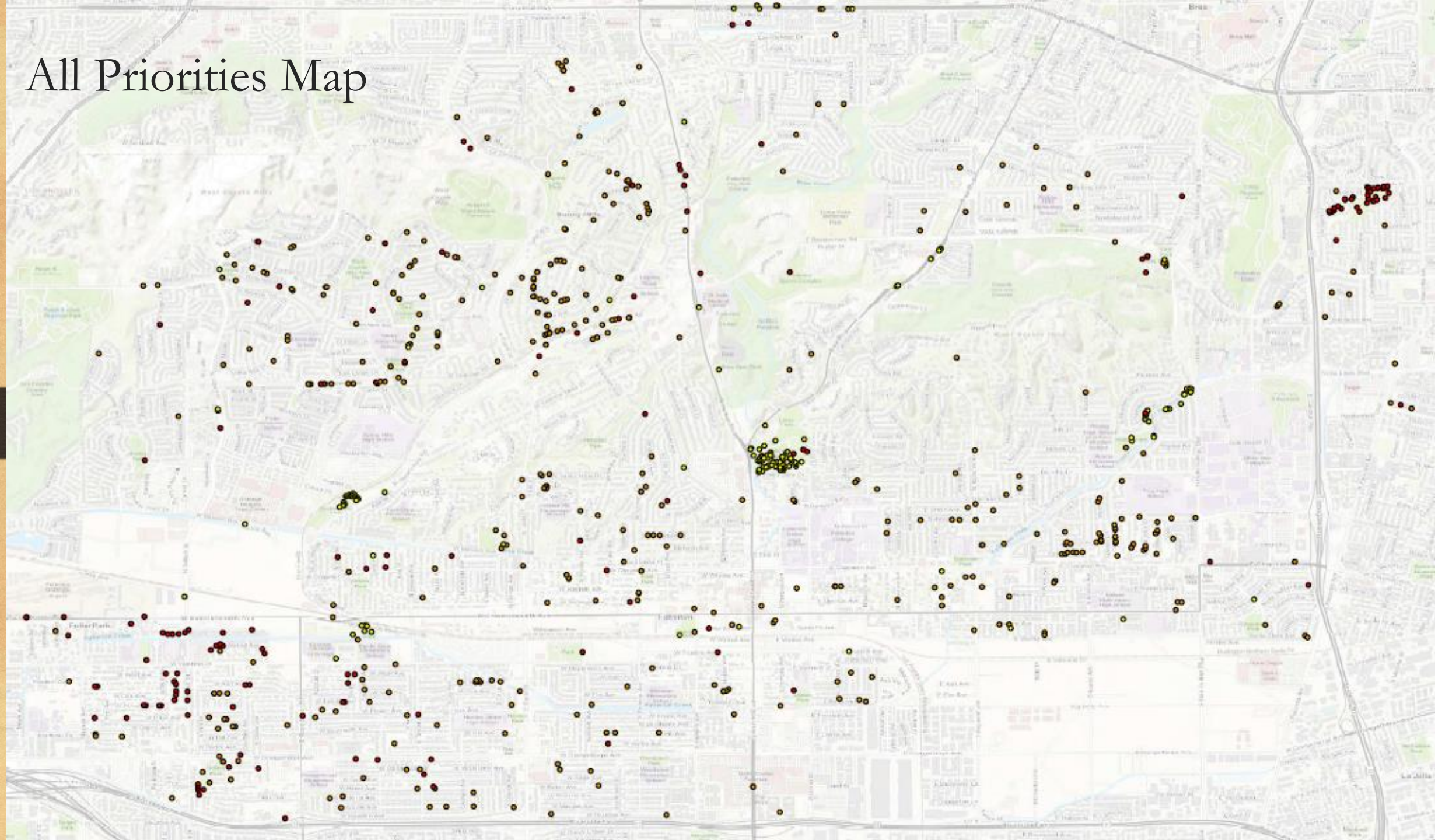
- Identified 829 trees/stumps (of inventoried trees) for removal - \$831,514
 - Options for consideration:
 - Fund ALL recommended removals - \$831,514 – FY 2020, OR
 - Initially fund high priority (dead, dying, poorly structured, etc.) and fund an evaluation to determine phasing for the medium priority. Low priority (stump removal) would be performed as future funds are identified. - \$222,309 – FY 2020 with \$615,205 phased in the future
- The current tree program does not have funding for this project. The Liability Fund is recommended as a source for these removals.

FULLERTON TREE REMOVALS

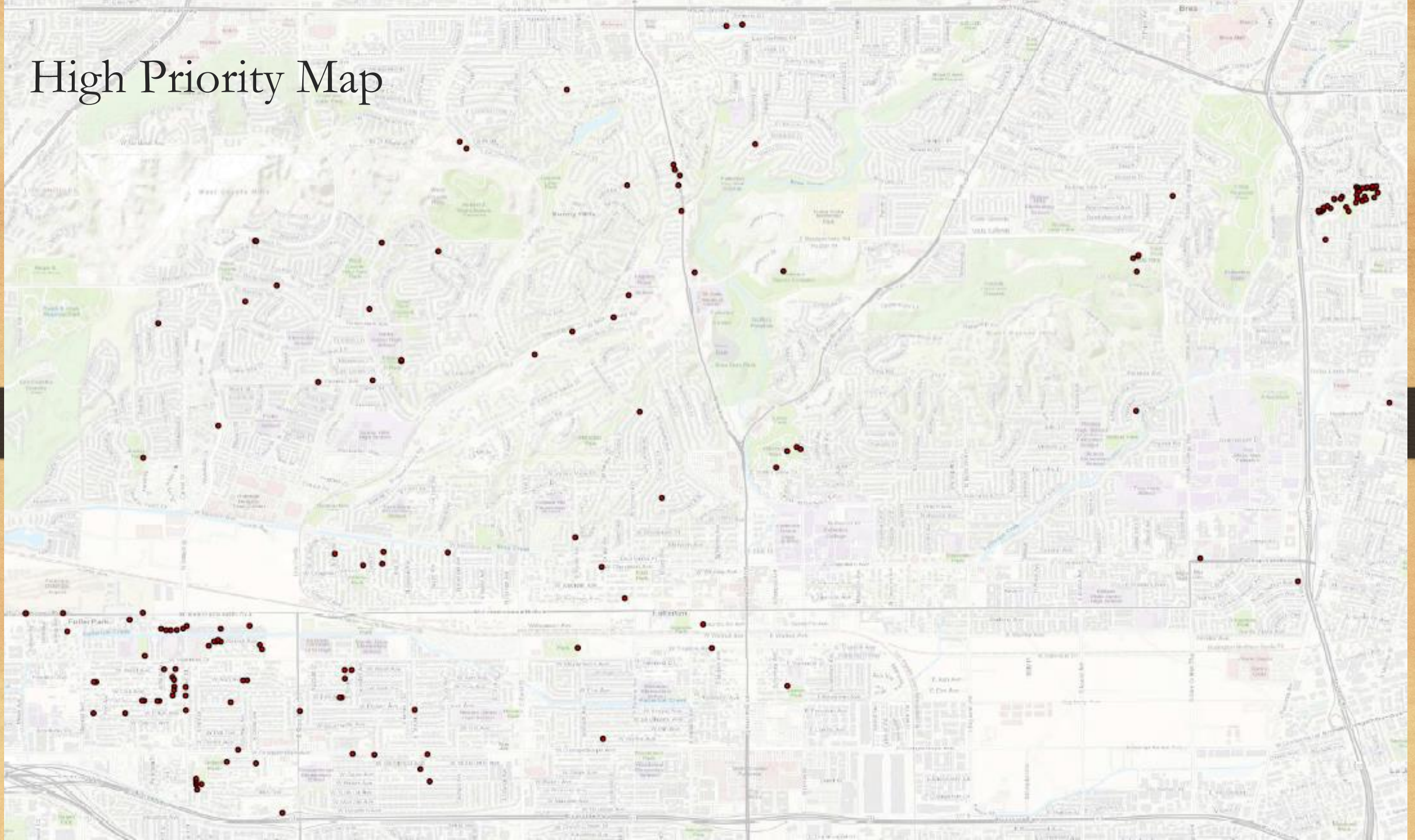
ESTIMATED COST - \$831,514



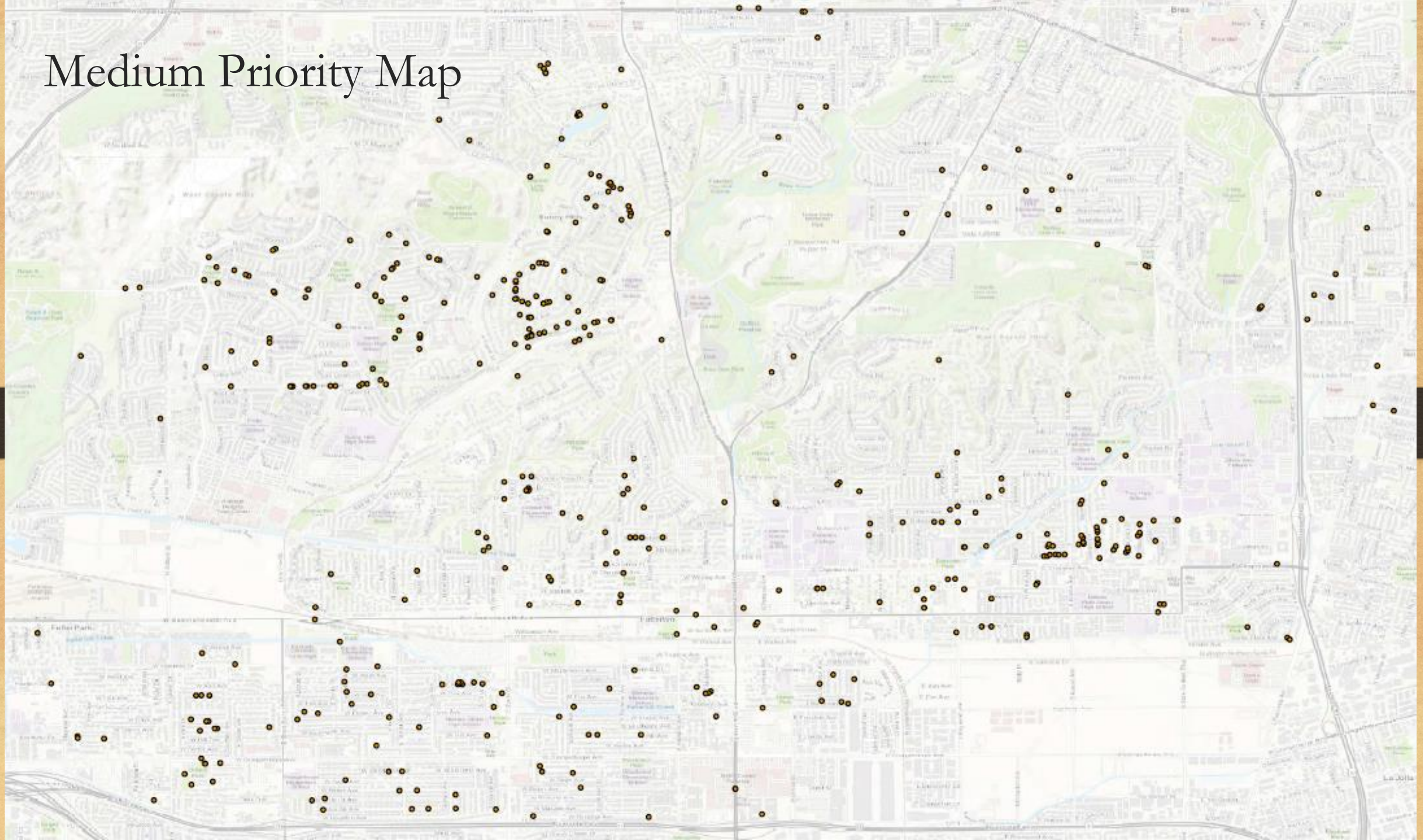
All Priorities Map



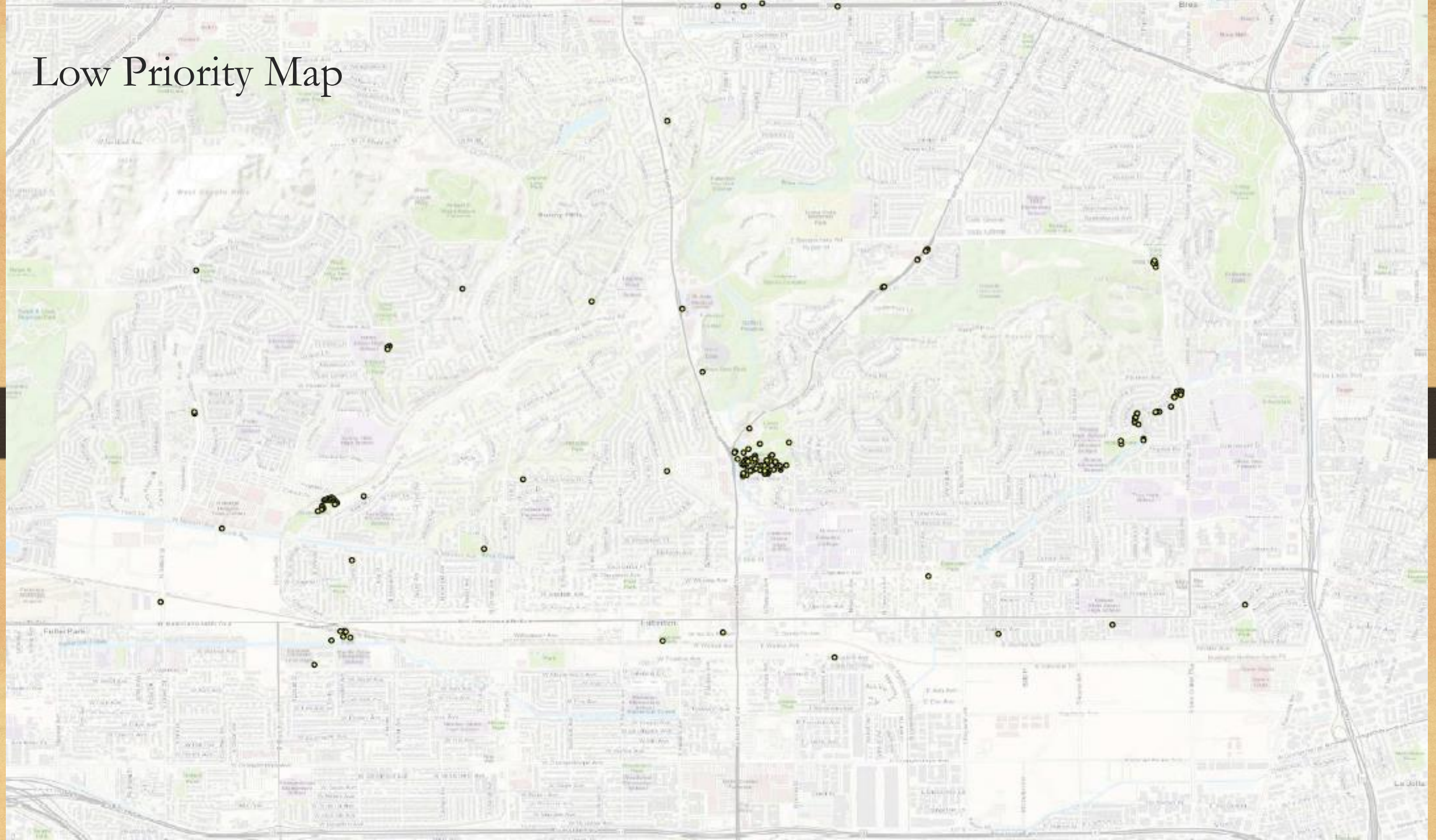
High Priority Map



Medium Priority Map



Low Priority Map



Recommendation

- TREE MASTER PLAN UPDATE

- Approve a partnership with WCA to develop a California Department of Forestry and Fire Protection (CAL FIRE) grant application for the amount of \$300,000 for a Tree Master Plan and tree planting.
- Authorize City Manager or designee to submit the CAL FIRE grant application and execute any necessary documents related thereto.
- If grant is received, accept and appropriate the funds and authorize WCA to perform the work.

- HAZARDOUS TREE REMOVAL

- Provide direction on tree removals related to the following options:
 - Fund ALL recommended tree / stump removals in the amount of \$831,514 with work to be performed in this Fiscal Year, or
 - Fund removal of 166 high priority tree removals (\$216,309), fund an inspection report (\$6,000) to determine phasing of the future removals, and perform removals per report (\$615,205) – for a total project cost of \$837,514 (Staff's recommendation)
- Approve a capital improvement project to carry out tree removals funded by the Liability Fund in an amount not to exceed \$837,514.
- Authorize the Public Works Director to perform all necessary actions to remove the trees based on the direction provided.