Exhibit to Agenda Item #1
Shade Tree Program Annual Update

Energy Resources & Customer Services Committee and Special SMUD Board of Directors Meeting

Tuesday, August 18, 2020, immediately following the Special Board of Directors meeting scheduled to begin at 5:30 p.m.

Virtual Meeting (online)
Agenda

Summary of Redesign
Effects of COVID

Redesign Results
  • Trees Planted
  • Reducing our Carbon Footprint
  • Reaching Disadvantaged Communities
  • Tree Mortality

Growing Relationships
30 Years and Counting
Summary of Redesign

New program launched January 2019:

• Increase focus on disadvantaged communities

• Offer every customer their very own “best urban forest”—freedom to plant trees where they make sense

• Measure carbon avoided and carbon stored

• Add more species resilient to climate change—including evergreens
Effects of COVID

Temporarily halted tree delivery (mid-March to late-May)

Increased virtual tree sitings

Restricted in-person sitings

Cancelled large-scale volunteer events this fall

Delayed tree mortality survey until 2021

Currently exploring alternative engagement opportunities
### Redesign Results

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<tbody>
<tr>
<td>Trees Planted per Customer</td>
<td>3.0</td>
<td>4.15</td>
<td>3.2</td>
<td>4.28</td>
<td>3.3</td>
<td>3.5</td>
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<tr>
<td>Carbon Storage (Metric Tons)</td>
<td>17,570</td>
<td>29,121</td>
<td>19,315</td>
<td>13,585</td>
<td>26,085</td>
<td>31,715</td>
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<td>Carbon Avoided (energy not used)</td>
<td>5,365</td>
<td>7,310</td>
<td>5,650</td>
<td>3,440</td>
<td>6,495</td>
<td>7,055</td>
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<td>Completed Site Visits</td>
<td>3,500</td>
<td>3,585</td>
<td>3,500</td>
<td>1,914</td>
<td>3,500</td>
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<td>Total Trees Delivered</td>
<td>10,500</td>
<td>10,697</td>
<td>11,200</td>
<td>5,176</td>
<td>11,550</td>
<td>12,250</td>
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<td>% of Program Dedicated to Underserved Areas (measure zip codes)</td>
<td>37%</td>
<td>37%</td>
<td>38%</td>
<td>37%</td>
<td>39%</td>
<td>40%</td>
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<td>Tree Mortality (trees monitored monthly)</td>
<td>64%</td>
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Reaching Disadvantaged Communities
Deeper Internal and External Collaboration – Growing Relationships

Sustainable Communities

- Pilot with Mutual Housing to plant trees at their properties
- Mayor’s Commission on Climate Change
  - Grow Sacramento’s tree canopy to 35% by 2045, equaling 500,000 new trees planted (encouraging growth and supporting of existing initiatives)

NeighborWoods Campaigns

- South Sacramento
- North Sacramento
- Rancho Cordova
- River District
- Folsom
Deeper Internal and External Collaboration – Growing Relationships

Environmental Services, Vegetation Management, Local Government

• Worked with City of Sacramento’s Urban Forestry to exempt SMUD from the City’s Tree Ordinance

Vegetation Management

• LiDAR data share to create planting prioritization tool (tree canopy map—next slide)
• Sharing the program message when we reach out to customers for vegetation management projects
Sac Tree Foundation Planting Prioritization Tool

Detailed map of existing tree canopy at parcel level.
More than 600,000 trees in 30 years!
Happy Customers!

“Thank you Thank you Thank you”

“This program is utterly unique and twice as generous. Sacramento benefits enormously from the generosity of the Tree Foundation and SMUD.”

“You guys ROCK!”

2018 2020