



mesa·az

ENVIRONMENTAL MANAGEMENT &  
SUSTAINABILITY

# Sustainability Update

Scott Bouchie

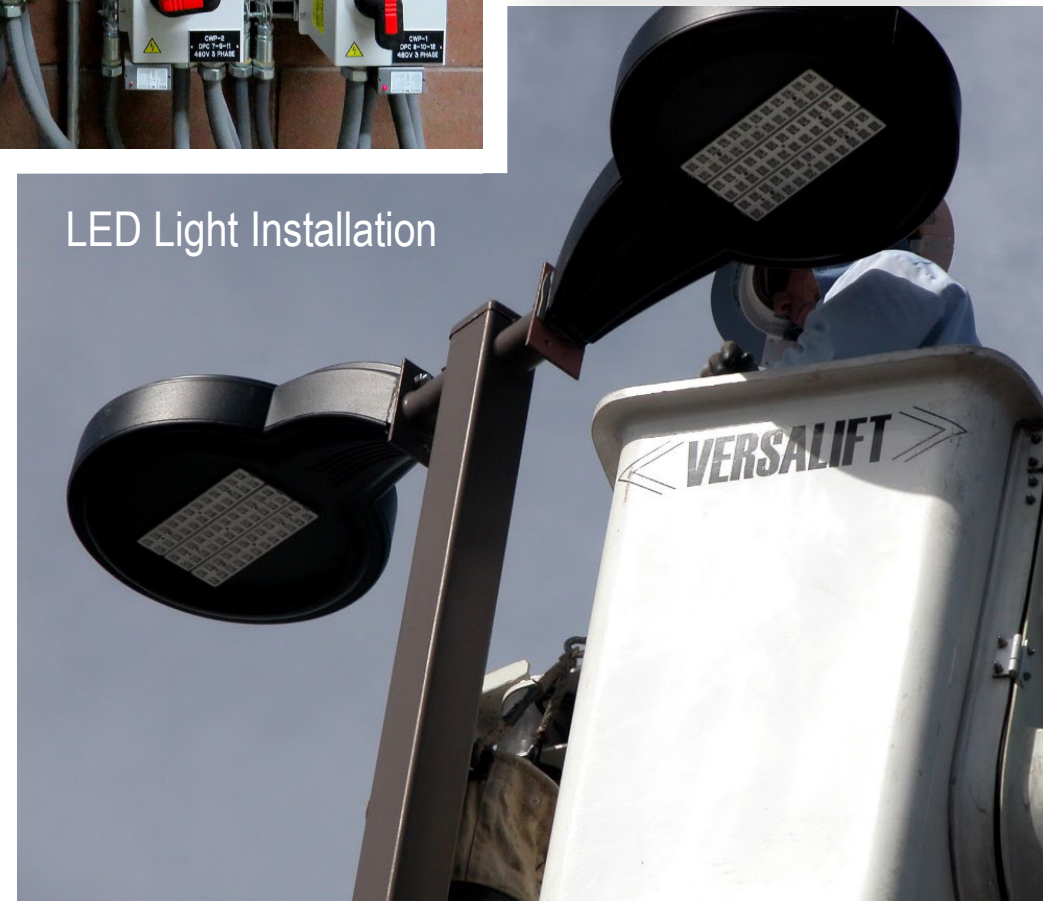
City Council Session – February 18, 2021





Solar at Household Hazardous Materials Facility



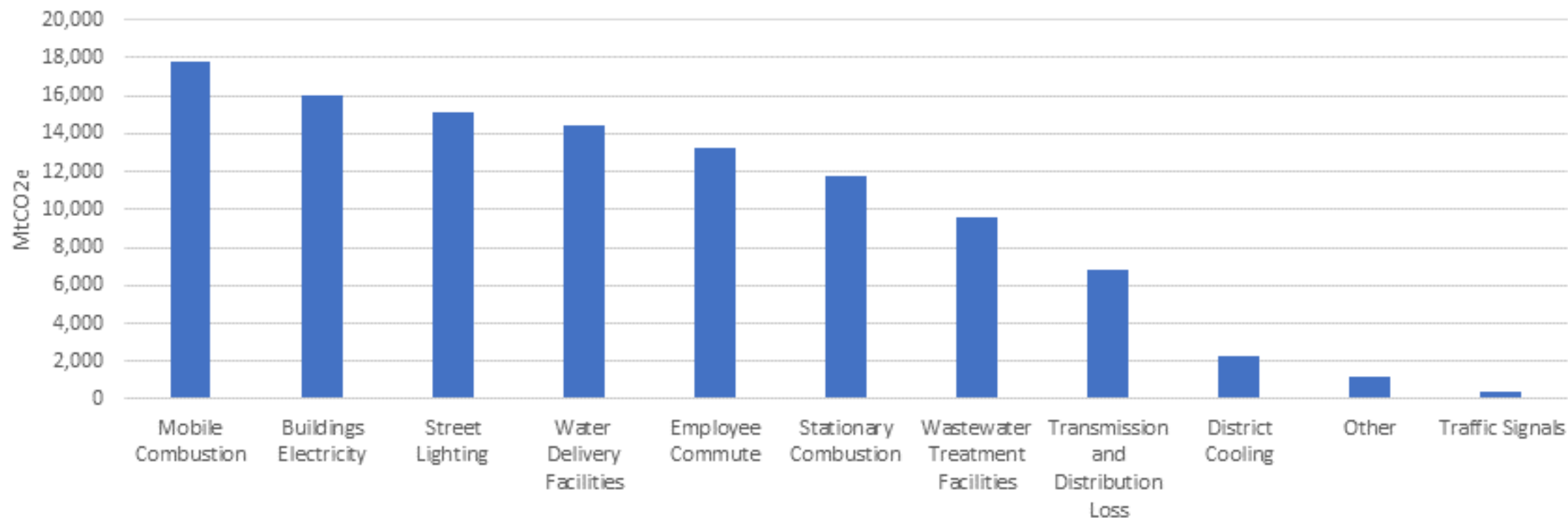


LED Light Installation



# Greenhouse Gas Inventory\*

## City Operations



\*Preliminary



# Other Cities

	Phoenix	Tempe	Salt Lake City	Houston
Climate Action Plan	✓	✓	✓	✓
Aspirational Goals	✓	✓	✓	✓
Metrics	✓	✓	✓	✓
City Operations Plan	✓	✓	✓	✓
Communitywide Plan	✓	✓	✓	✓



- Energy Efficiency
- Smart Buildings
- Renewable Energy
- Land Use and Built Environment
- Fuel Efficiency and Cleaner Fuel



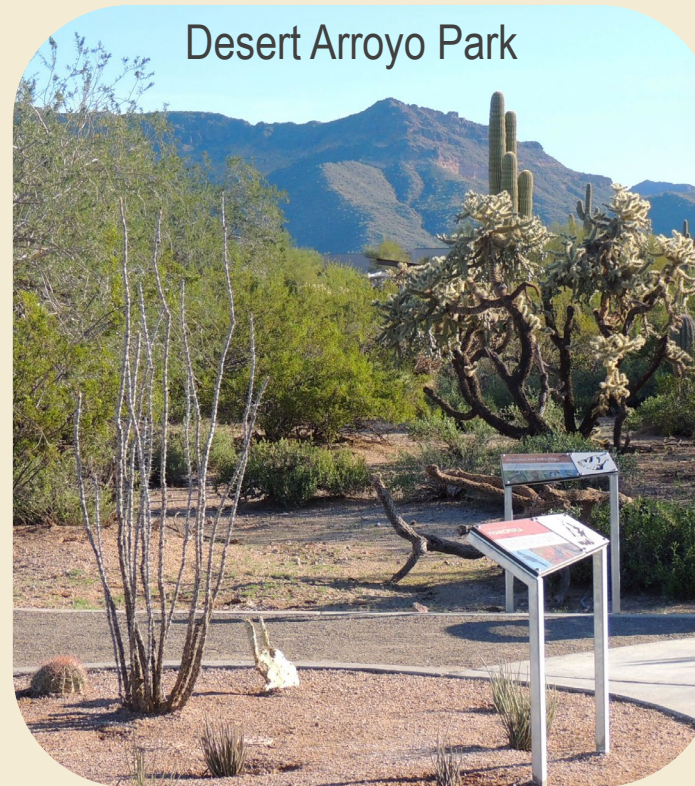


# Urban Heat

- Parks, Open Space and Preserves
- Tree Planting
- Heat Island Mitigation



Southern Ave



Desert Arroyo Park



Aripine Park Tree Planting



Mesa Grande Cultural Park



# Air Quality

- Clean Fleet
- EV Adoption
- Active Transportation
- Dust Control



CNG Fleet

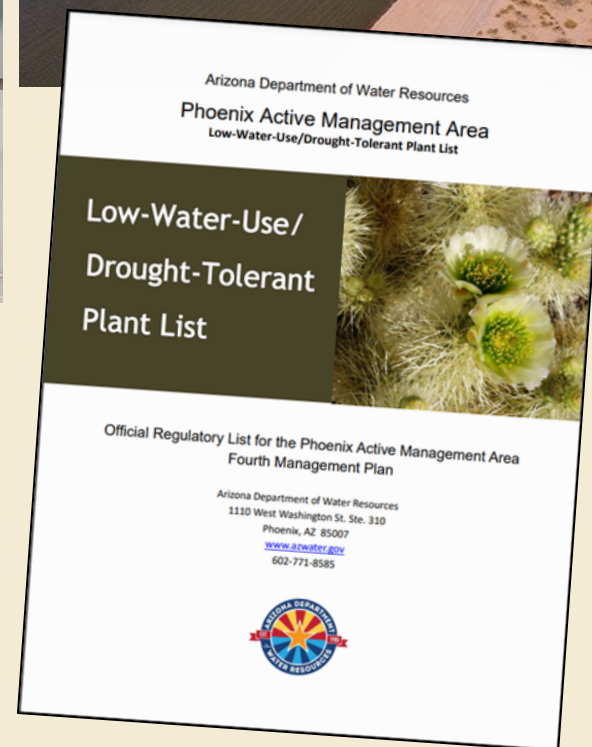


# Water Stewardship

- Water Resources
- Water Conservation
- Stormwater Management



Granite Reef Underground  
Storage Project (GRUSP)



## Annual Performance ① Monitoring Water Use in Parks

131% Budget	80% Seasonal	28 Score	\$14k Lost \$	4.6' Applied	3.5' Budget
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### Monthly Water Use ①





# Recycling & Material Management

- Reduce, Reuse, Recycle
- Mindful Purchasing
- Lifecycle Cost Analysis





# Local, Sustainable Food Systems

- Ensure Food Security
- Reduce Consumable Food Waste
- Support Local, Low Carbon Food







# Next Steps

Land Use for Biodiversity for Flora & Fauna