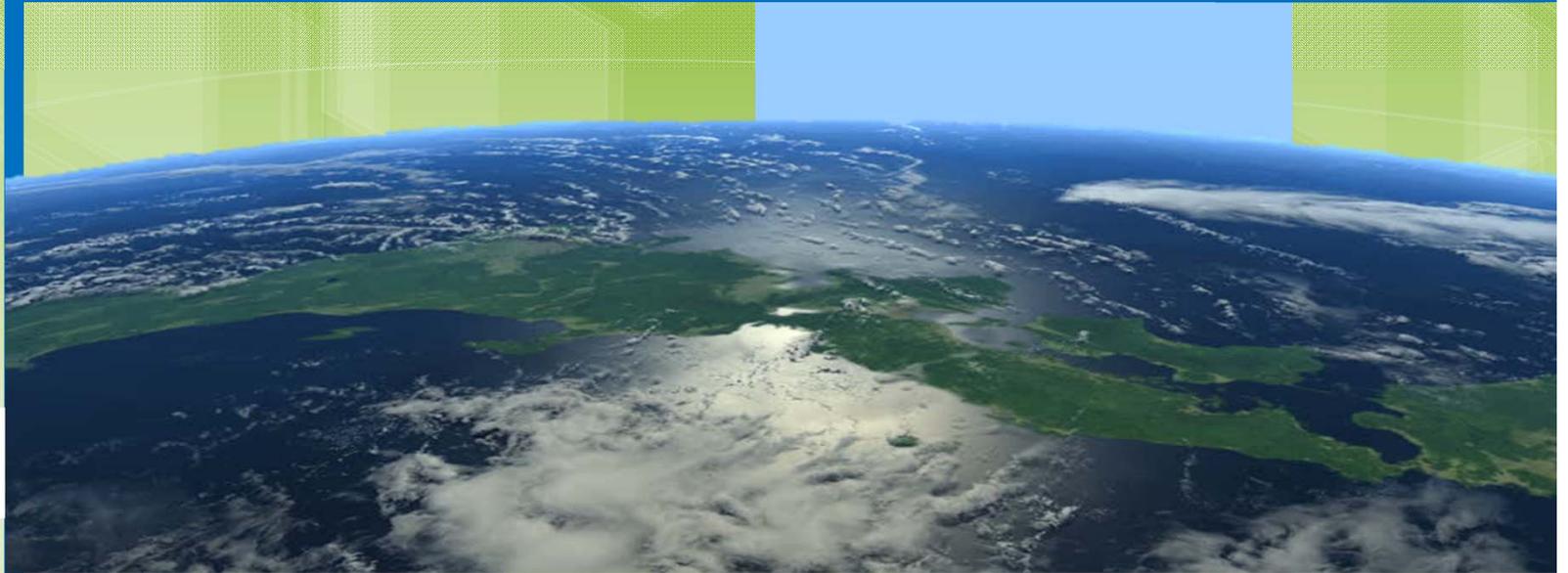


Sustainability Progress Report

sustainable  tempe

 **City of Tempe**
PUBLIC WORKS





Council Priority #4

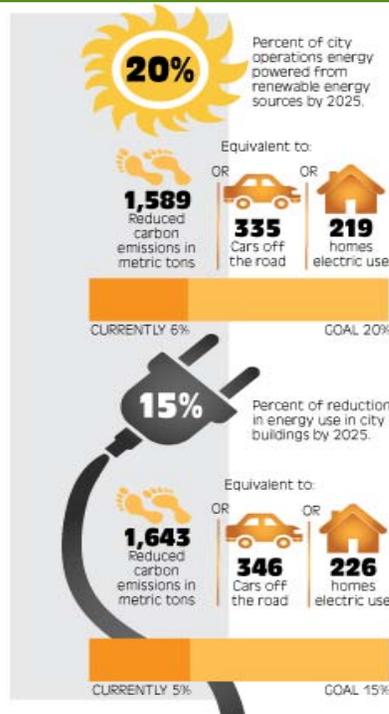


Implementing sustainable growth and development strategies ... and leading the way in creating a more sustainable community .

- **Economic - Reduce Costs**
- **Equity – Social Justice**
- **Environment – Generational Thinking**



Council Sustainability Goals



RENEWABLE ENERGY & ENERGY EFFICIENCY

(in Tempe city facilities)



15% Percentage of south water plant powered by solar energy

367 HOMES

Amount of energy saved equivalent to what is used by

4,020 Greenhouse gas emissions avoided, in metric tons



5.8 M

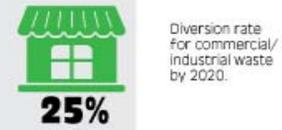
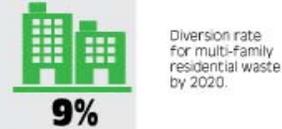
Decrease in energy use, in kWh

\$472,967

Dollars saved in utility costs



Council Sustainability Goals

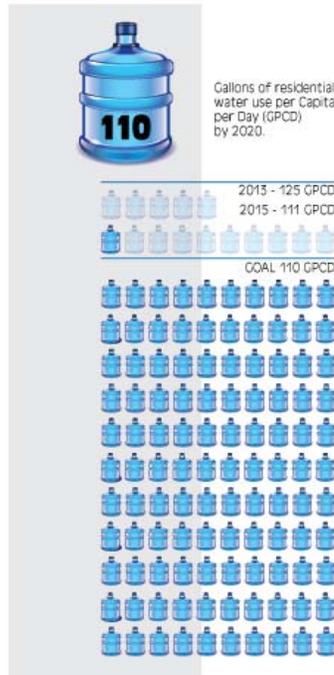


SOLID WASTE & RECYCLING





Council Sustainability Goals





Sustainability Programs in Progress



■ Energy



■ Water



■ Solid Waste



■ Land Use



■ Transportation



City Inventory of Programs



| Initiative | Metrics | Status | Environmental | Financial | Social | Scalability | Council Priorities |
|---|---|--|---------------|-----------|--------|---|--------------------|
| PUBLIC WORKS WATER UTILITIES | | | | | | | |
| Water Conservation Toilet Rebate Program | <p>Drives the GPCD metric adopted by Council</p> <p>Every toilet installed reduces 9,500 gallons of water per household</p> <p>2015 goal 700 (Single family goal 550 Multifamily goal 150)</p> <p>Social equity is supported by the reduction in HH usage as more people qualify for the incline block rate structure as a higher % of low and moderate income customers typically use less water</p> | 1,150 rebates completed (Single family rebates 553 Multi-family rebates 597) | High | Medium | Medium | High The major work is on the customer to complete the work and request the rebate | 2,4 |
| Home Water Audits | <p>2015 goal 250 audits</p> <p>Home visits by Conservation staff assisting residents in identifying leaks or inefficient water fixtures and providing information on additional ways to use water</p> | 193 audits completed | High | Low | High | High Extensive outreach is conducted by staff but we are reliant for customers to call for an appointment. | 2,4 |
| Low Water Landscape Rebates | <p>2015 goal 100 rebates</p> <p>Rebate of 5.025/ft² for turf removal</p> | 84 completed | High | Low | Medium | High The major work is on the customer to complete the work and request the rebate. | 2,3,4 |



Emerging Programs



Fresh Express



) Business
Research
Innovation
Center (BRIC



Pilot Glass
Collection
Program



Expand Use
of Electric &
CNG Vehicles



Integrated
Pest
Management





Programs in Study Phase

- Food Waste to Energy Study
- Graywater Water Conservation
- Eco District Partnership
- Electric Motorcycles Study





Culture of Conservation

- Sustainability Commission
- Resiliency Grant
- Compact of Mayors

