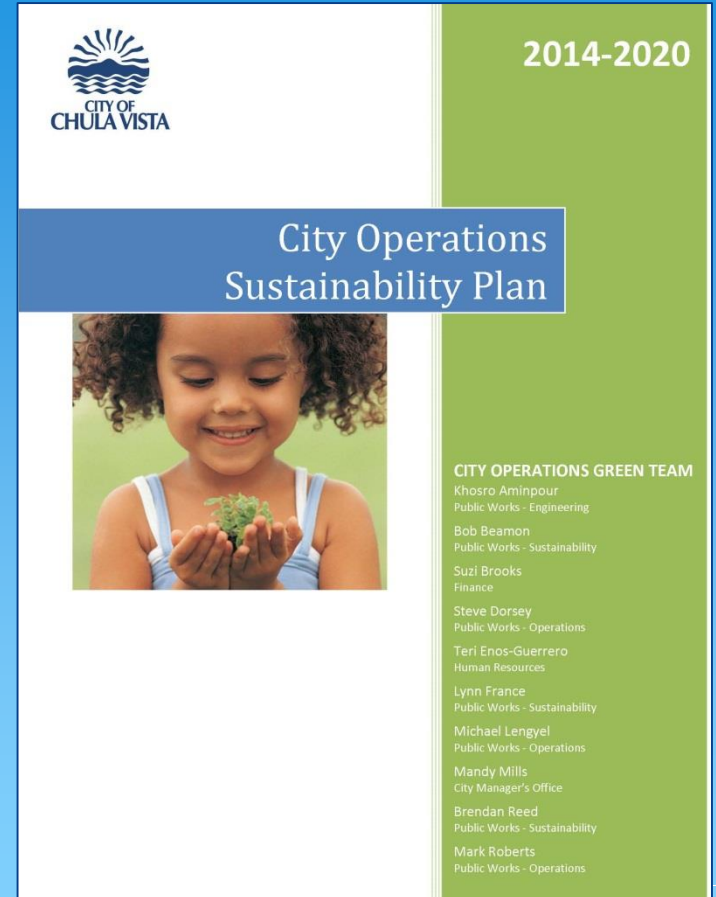


# CITY OPERATIONS SUSTAINABILITY PLAN UPDATE 2018



# City Operations Green Team



**The City of Chula Vista strives to “lead by example” in integrating innovative sustainable practices throughout its operations.**

## **The City of Chula Vista’s Green Team :**

- Economic Development
- Finance
- Public Works
- Engineering
- Community Services

# Sustainability Definition



The three Ps = **PEOPLE, PLANET, AND PROSPERITY**

At an organizational level, “Sustainability” is defined as the City’s ability to **provide high quality infrastructure, services and programs** in a manner which **balances the social, economic and environmental needs** of current and future generations.

# The Business Case



- Lower utility costs
- Lower fuel costs
- Lower maintenance costs
- Healthier, more comfortable workspaces
- Happier, more productive employees
- Lower GHG emissions

# City Operations Sustainability Plan



- Creates goals & strategies in 7 focus areas...

Energy Use

Water Use


Green Purchasing

Waste Management

Pollution Prevention

Transportation

Green Buildings & Infrastructure



**EXISTING POLICIES & DOCUMENTS**

*100% Clean Fleet Policy (2008 - Climate Action Plan)*

- All replacement vehicles purchased for the municipal fleet should be hybrid or alternative fuel.
- Factors such as the appropriateness for the vehicle task, fueling infrastructure, petroleum displacement, and the overall cost and environmental benefit must be considered prior to purchasing each replacement vehicle.

*City-Contracted Clean Fleet Policy (2008 - Climate Action Plan)*

- Work with fleets under City authority to influence their expanded use of hybrid and/or alternative fuels.

**FUNDING OPPORTUNITIES**

- CA Energy Commission grants
- CA Clean Vehicle Rebate Program
- CalTrans Bike Locker Program

**6. TRANSPORTATION**

Alternative transportation helps improve local air quality, reduce traffic congestion, and is typically a more cost-effective way to commute. In addition, these transportation options help reduce employee stress and improve their well-being.

**Goal 1:**  
Transition 40% of fleet to hybrid or other alternative fuel technology by 2020.

**Goal 2:**  
Increase the percentage of employees who are regularly using sustainable commute options to 30% by 2020.

Baseline Year: 2013  
Partnerships: iCommute San Diego  
San Diego Regional Clean Cities  
San Diego County Bicycle Coalition

**Strategies:**

1. Install electric vehicle chargers for fleet use.
2. Designate preferred parking spaces for carpool/alternative fuel vehicles at all major municipal facilities.
3. Install outdoor bike lockers for employee use.
4. Initiate a pre-tax transit reimbursement program.
5. Expand the use of alternative work schedules and teleworking through supervisor and employee outreach.

**Performance Metrics:**

- % of alternative fuel/hybrid vehicles in fleet
- % of employees alternatively commuting (per pay period)

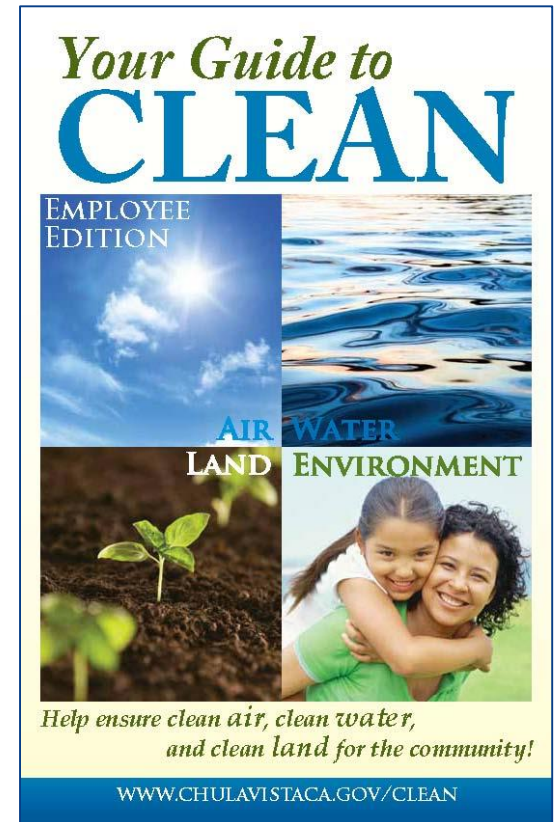
# Employee Engagement & Monitoring



## EMPLOYEE ENGAGEMENT

City leaders and employees will be frequently engaged through:

- Employee Lunch & Learns (Ongoing)
- New Hire Orientation (Ongoing)
- Green Teams (Ongoing)
- Employee Surveys (Annual)
- CLEAN Employee Award (Annual)
- Plan Progress Reports (Annual)



# Energy Use



- LED lighting retrofit - 19,000 light bulbs
- Estimated savings - at least 1.5 million kWh annually



- Adding 2.3 megawatts of solar PV - estimated total of 4 megawatts
- Solar PV projected to offset ~ 40% of municipal energy use
- Transitioning to a Zero Net Energy design for new municipal facilities



# Water Use



- Irrigation system upgrades at 4 parks- staff worked with volunteers from Youth Sports Council
- More efficient irrigation, ability to detect leaks
- Installation included ~ 2000 components - heads, nozzles, smart controllers, master valves and flow sensors
- Installing faucet aerators & EPA WaterSense fixtures with renovations, including recent Civic Center Library restroom renovation





# Green Purchasing



- 70% of custodial and office purchases are considered “green”
- New copiers can accept higher recycled content paper– working to promote Citywide
- Integrate green product specs and true lifecycles in all RFPs in late 2018
- Dilution stations with “green” cleaning products installed in all buildings



# Recycling and Waste Management



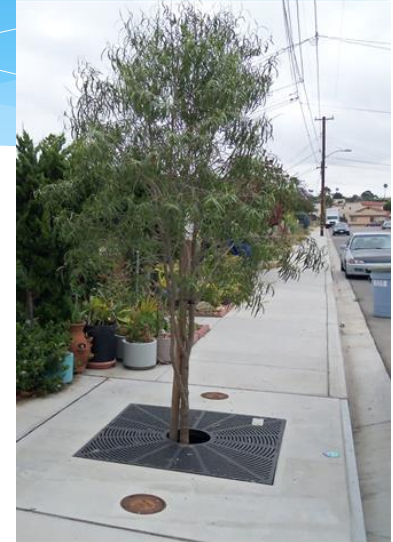
- Annual waste and recyclable volumes study performed
- Work with departments to reduce waste, increase recycling rate and promote proper management of waste products
- Agreements with caterers, non-disposable food ware at events at City facilities
- 67% recycling rate at Civic Center campus, Fire Stations and Public Works facilities



# Pollution Prevention



- Conducted over 140 site assessments at City facilities since 2016 – inspected annually
- Prevent non-storm water discharges from facilities
- Facilitated citizen and staff pollution reporting – received over 190 complaints since 2016
- Upgraded irrigation at municipal sites prevents irrigation runoff from entering storm drains



# Transportation



- Installed over 120 electric vehicle (EV) chargers
- Fleet electrification
- Benefits to Residents and City Operations
- Enhanced Environmental Benefits
- Fiscal Responsibility through Federal EV tax rebates and the California Clean Vehicle Rebate Program





# Green Buildings



- Three new Fire Stations to be constructed in the next three years - integrating sustainable design concepts
- Solar PV sized to meet 100% of electrical demand
- High efficiency HVAC system
- LED lighting - enhanced controls
- Solar skylights
- Low water use fixtures and landscaping



# Our Big Goals



## 2018 Status

- |  |                   |
|--|-------------------|
| • Reduce <b>energy</b> use by 20% by 2020                              | 35.5% ✓           |
| • Reduce <b>potable water</b> use by 10% by 2020                       | 25.6% ✓           |
| • 80% of all office and custodial <b>purchases</b> are “green” by 2020 | 70%<br>(on track) |
| • 75% <b>recycling rate</b> by 2020                                    | 67%<br>(on track) |



# Our Big Goals



## 2018 Status

- |   |                      |
|---|----------------------|
| • Prevent all <b>non-storm water discharges</b> from city facilities by June 15 annually      | Completed annually ✓ |
| • Comply with <b>BMP requirements</b> and <b>pass inspections with a score of 80%</b> by 2020 | Achieved annually ✓  |
| • <b>40% of city fleet</b> transitioned to hybrid or alternative fuel technology by 2020      | 28%<br>(on track)    |
| • Increase the % of employees using <b>sustainable commute options to 30%</b> by 2020         | 10%                  |

# Our Big Goals



## 2018 Status

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• At least <b>2 existing buildings</b> will be operated to meet <b>enhanced green building standards</b> by 2020</li></ul>            | LEED - EBOM<br>3 City Hall<br>buildings<br>complete Q1<br>2019 (on<br>track) |
| <ul style="list-style-type: none"><li>• All <b>new buildings</b> over 10,000 sf will be designed and constructed to meet enhanced <b>green building standards</b></li></ul> | New fire<br>stations –<br>planning<br>phase (on<br>track)                    |

# Contact Information



**Coleen Wisniewski**

Environmental Sustainability Manager  
Office of Sustainability  
Economic Development Department

(619) 409-5828

[cwisniewski@chulavistaca.gov](mailto:cwisniewski@chulavistaca.gov)

[www.chulavistaca.gov/clean](http://www.chulavistaca.gov/clean)