

# APS Take Charge AZ Phase 2: Electric Vehicle Charging Stations

January 19, 2021





# Agenda

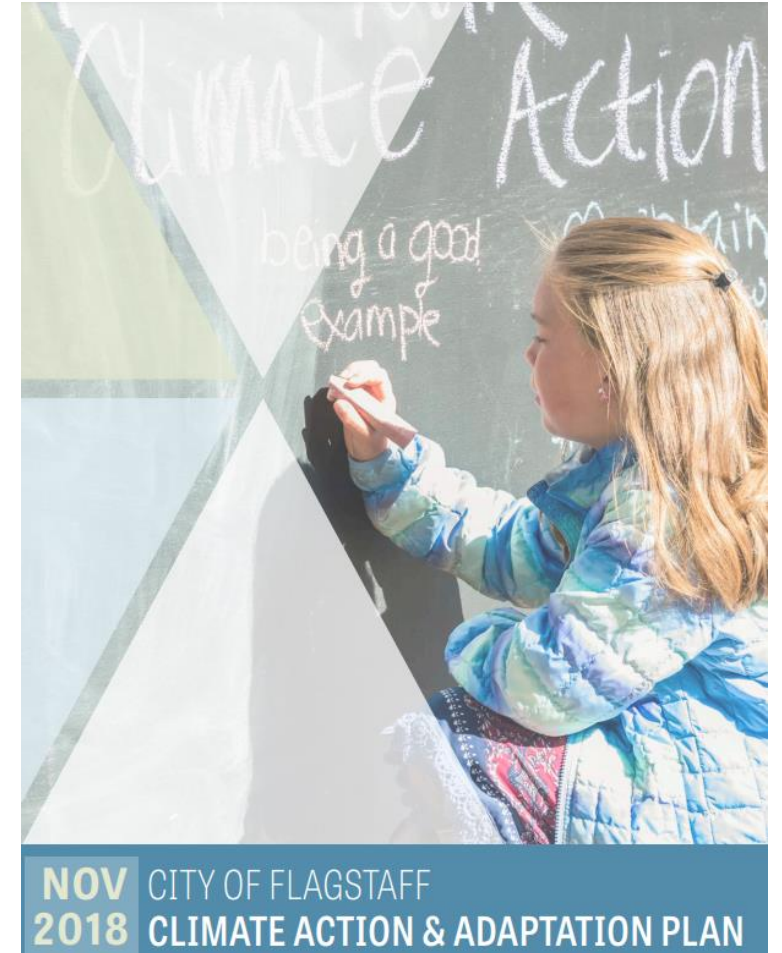
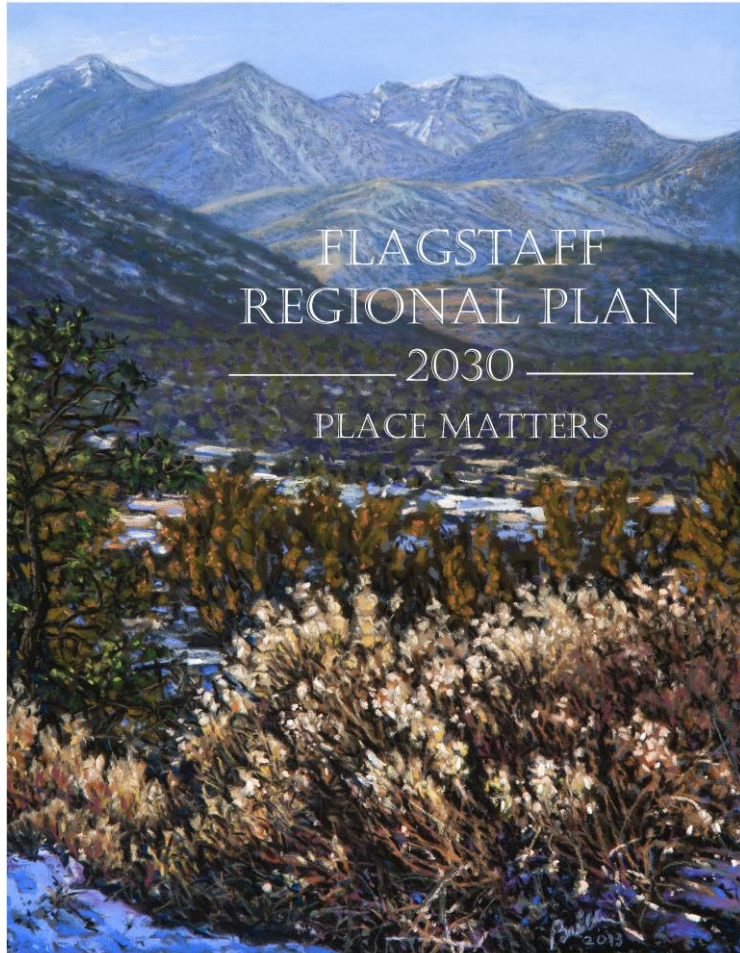


1. The APS Take Charge Program supports the CAAP, Climate Emergency Declaration, PBB and Regional Plan
2. Phase 1 Participation
3. Phase 2 Opportunity
4. Process + Request for approval of the Customer Agreements





# APS Take Charge Program





# APS Take Charge - Phase 1 City Hall



- 4 Electric Vehicle Charging Stalls at City Hall
  - Does include an ADA accessible stall
  - Part of the design standard we have required of our partners.
- Construction was completed in June 2020
- Currently providing free public charging



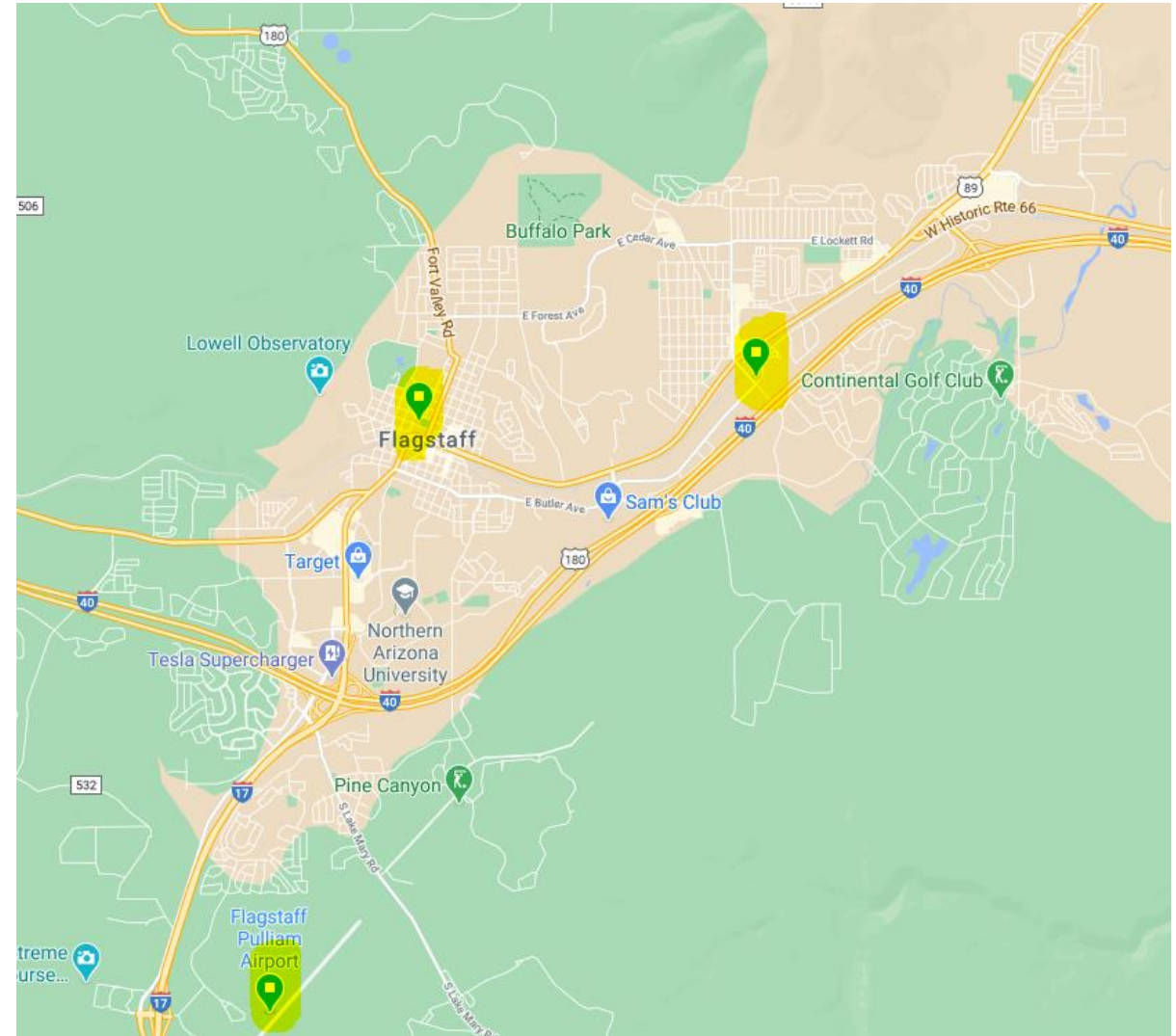
|                               | \$     | Miles  | MT CO2e |
|-------------------------------|--------|--------|---------|
| City Hall EVCS                | \$ 751 | 13,000 | 1.4     |
| ICE (30mpg;<br>\$2.30/gallon) | \$ 997 | 13,000 | 4.9     |
| Savings                       | \$ 246 |        | 3.5     |



# APS Take Charge Phase 2



- The APS Take Charge Program allows the utility to gain insights and information on electric vehicle (EV) adoption and charging behavior.
- APS will, at no cost to the City, design, construct and install all necessary Infrastructure and Charging Stations at the site.
- 4 EV Charging Stalls at each of 3 locations (12 total stalls):
  - Flagstaff Airport
  - Aquaplex
  - Main Library





# APS Take Charge Phase 2



- While *significantly* subsidized, there are some costs that will be incurred by the City. (Appendix B)
- Selection of the *networked* ChargePoint Stations requires a one-time set-up fee of \$9,733 at each site.
- Annual networking fee of \$1,120 at each site.
- Networked chargers allows:
  - Connectivity to ChargePoint App – Find it on your phone!
  - Better data for monitoring fleet and public vehicle usage.
  - *Flexibility* to charge a fee for electricity in the future.

**—chargepoint—**  
CT4021 Dual Charging Station





# Process



- ✓ Customer Application
- ✓ Preliminary Approval
- ✓ Preliminary Site Visits
  
- Customer Agreement
  - We are here!
  
- Preliminary Design
  - Preliminary Design Approval
  
- Customer Acceptance Package
  - Based on approved Preliminary Designs

- Easements for each site
  - Note: The Real Estate Manager will be back in front of Council for this step
  
- Final Design
  - Final design review and approval
  
- Application for Permits for each site
  - Revisions to permits as necessary
  - Approval of permits
  
- Pre-Construction meeting
  
- Construction

Thank you.

Questions?

