

# **Proposed Alameda Open Space Solar Covered Parking**

PUBLIC MEETING  
AUGUST 9, 2022



# Project Team

**Steve House**, Solar Energy Consultant , **Triple H Solar LLC**

**Raymond Sandoval**, Project Manager, **Albuquerque Bernalillo County Water Utility Authority**

**Rachel Stone**, Communications Specialist, **Albuquerque Bernalillo County Water Utility Authority**

**Patti Watson**, Communications Contractor, **CWA Strategic Communications, Inc.**



# **A collaborative project of the City of Albuquerque, Bernalillo County and the Water Authority to:**

- **Improve parking at Alameda Open Space**
- **Save energy**
- **Preserve our natural resources**
- **Provide educational opportunities**



# Project Benefits

- Provide shade for cars and people on hot summer days
- Provide cover from rain and snow
- Save energy long-term and lower costs for Water Authority



# Project Benefits (continued)

- Offset about 36% of raw water pump station electric usage
- Provide opportunities for education
- Preserve natural resources
- Provide 2 electric vehicle charging stations







# Raw Water Pump Station

Draws water from the Rio Grande and pumps it to the San Juan-Chama Drinking Water Project to be treated and used as drinking water.

Is located close to Alameda Open Space parking



# Provide On-Site Education through SmartFlower Solar Flower





# The SmartFlower Solar Flower

- Ground-mounted dual access tracker solar array produces up to 40% more energy than single axis solar arrays
- Students and adults can learn about how solar energy is produced through various solar energy technologies
- Also, they can learn how the SmartFlower is able to follow the sun and knows when to retract and deploy automatically.



# Solar Covered Parking Will Provide Open Drive Lane





# Solar Parking Could Provide "T" or Cantilever Canopy





# Photos of Single-Row Cantilever Canopies





# Examples of Electric Vehicle Charging Stations



# Current Construction Plans and Timeline

- Construction will likely be done during the winter/spring to minimize impact.
- During construction, parking lots where solar covers are being installed will not be open to the public.
- Walking, bike and equestrian trails will remain open.



# Current Construction Plans and Timeline (continued)

- **Parking will be available off of Rio Grande Blvd. NW south of Paseo Del Norte Blvd. NE in the Open Space Shining River Parking Area.**
- **Construction is expected to last about 4-6 (four to six) months.**





# Next Steps

- Pending site permit approval from the City of Albuquerque Environmental Planning Commission, Water Authority will seek stakeholder input on final design.
- The selected contractor, Affordable Solar, will schedule construction to purchase and install solar generation equipment and build the solar covered parking canopies
- Community will be notified via signage at Open Space and on Alameda Blvd., regular construction updates via email, and publicity. A project website, [www.abqopensolar.com](http://www.abqopensolar.com), will provide ongoing information.
- Once project is completed, Water Authority will purchase energy from the facility.





# Questions?



# Thank you!

If you have questions or comments following this meeting, please submit them to:

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