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Staff Report: Riverside Community Solar Update

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Riverside Community Solar Supports:



 Our Climate Future Big Move 12: 100% Renewable Electricity



 City Council Priority 6: Reduce climate pollution & air pollution through best practice, emphasizing electrification



What is Community Solar? A programmatic solution to make solar accessible to customers who cannot or do not want to put panels on their own structure

Riverside Community Solar Project

- Built in 2015
- 500 kW (AC)
- 207 Owners
- Developed by 3rd party









Panel Owner Role

- Upfront investment during construction.
 - Average investment was \$4,350 (after federal tax credit and local incentives).
- Gain monthly credit benefit.
 - Average annual credit for 2022 was \$278.

Utilities Role

- Operation and maintenance of the array.
- Distribution of bill credits.
- Customer service.
 - Account management, changes, support customers when selling or buying.



What happened at Riverside Community Solar?





On August 20, 2023, inverter equipment failed.

Inverter: Electrical equipment that is critical for converting solar energy into usable electricity.

Upon failure, array is no longer producing energy and bill credits are no longer provided to owners















Phase 2: Procurement & Construction





- o \$250,000 from 2050 Tax appropriation
- o \$50,000 from operations and maintenance fund



• Total estimated timeline for re-energizing is 7-8 months from contract execution



Transparency & Accuracy Has Been the Focus for C&E.



8 Status updates posted to panel owner website



8 email updates to 200+ panel owners



2 in-person meetings with > 100 total attendees



Custom FAQ section

Recorded presentation



Development of Advisory Committee

Next Steps for Riverside



Continue to focus on redesign and repair with preferred contractor Further development Advisory Committee and owner engagement Develop strategic funding plan for remaining site lifetime



Questions?

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Backup Slides





For Illustrative Purposes Only	
Net system purchase price after Utilities incentive	\$6,227
Federal tax incentive at 30%	<u>-\$1,868</u>
Net cost after Federal incentive	\$4,359
Bill credits received to-date	<u>-\$2,311</u>
Remaining expense	\$2,048
Divide by annual value generated*	<u>÷ \$278/year</u>
Additional time to complete simple payback	7-8 years

*Caveats:

- Utility Net Metering Credit rates and rate structures are subject to change
- O&M withholding percentage is subject to change
- Riverside annual production post-repair is not yet known
- Assumed annual credits of \$278 as witnessed in 2022