



RR22-1672: CASR Solar Power Subscription Agreement, Renewable Denver Community Solar

Business, Arts, Workforce & Aviation Services Committee

January 4, 2022

Drew Halpern
Energy Project Manager
Andrew.Halpern@denvergov.org

Purpose – Approve Solar Power Subscription Agreement to receive community solar bill credits

The Renewable Denver Community Solar (RDSCS) initiative is a city-wide effort to build, host, and share the benefits of solar across Denver's Communities.

Previously approved: Installation and operation of 10 community solar projects across Denver

Active Contract: CASR-202160096 (RR21-1319)

Term: Through November 30, 2046

Description:

- 10 projects totaling (4.6 MWdc; 7.3 million kWh annually)
- Combination of solar carports, rooftops, and ground mounted systems across several City facilities
- Power shared between host facilities and low-income Denver households

Current request: Subscription Agreement

Resolution Request: RR22-1672

Contract Reference: CASR-202266138

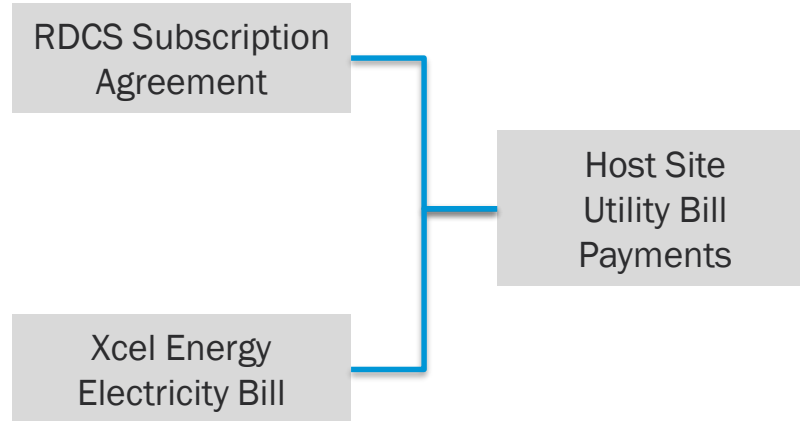
The Solar Power Subscription Agreement provides the mechanism to assign the community solar bill credits produced from the RDSCS initiative to the City's utility meters.

It guarantees a net utility bill savings to the City (including offsetting the cost of this contract), while ensuring that Denver can cover the solar portfolio's operations and maintenance expenses.

As the solar projects achieve commercial operation, each kWh produced creates an equivalent number of bill credits.

Subscription agreement authorizes RDCS operator (McKinstry) to direct Xcel Energy on which meters to assign bill credits to

Xcel Energy applies bill credits to identified host site utility meters



*Host Site experiences a **guaranteed net savings** in utility bill payments*

Note: The net utility bill savings offset the cost of this contract.

Emphasizing the 'community' in community solar

Electricity dedicated to low-income households



Student Engagement and Career Exploration

- ✓ Clean energy activities, solar field trips, and high-school internships with Denver organizations.



Energy Services & Bill Savings for Income-Qualified Residents

- ✓ Qualify for free energy efficiency services, appliance rebates, and cash assistance on energy bills.



Investing in a Local and Equitable Workforce

- ✓ Solar training programs focused on providing workforce development in under-employed communities



Successful first Solar Installation Basics Training led by GRID Alternatives at DPS Northeast Early College.

Estimated timeline for Phase 1 project implementation

National Western
Rooftops (2x)

Montbello
Carport

DEN ground
mount (2x)

Central Park
Carport

Q4 2022

Q1 2023

Q2 2023

Q3 2023

Harvard
Gulch Carport

Roslyn
Carport

Lowry
Carport

DPS Northeast Early
College Carport





Questions?