

U.S. Department of Energy

Energy Efficiency and Conservation Block Grant Program – Bipartisan Infrastructure Law 2021 (EECBGBIL)

ACTIVITY FILE

Grant Number: SE0000321, State: NV, Program Year: 2023

Recipient: Las Vegas

SEO title : City of Las Vegas Solar

Revision status: Active (pending add)

1. Activity

<input type="checkbox"/> Strategy Development	<input type="checkbox"/> Technical Consultant Services	<input type="checkbox"/> Building Energy Audits
<input type="checkbox"/> Financial Incentive Programs	<input type="checkbox"/> Energy Efficiency Retrofits	<input type="checkbox"/> Energy Efficiency and Conservation Programs for Buildings and Facilities
<input type="checkbox"/> Development and Implementation of Transportation Programs	<input type="checkbox"/> Building Codes and Inspections	<input type="checkbox"/> Energy Distribution Technologies for Energy Efficiency
<input type="checkbox"/> Material Conservation Programs	<input type="checkbox"/> Reduction and Capture of Methane and Greenhouse Gases	<input type="checkbox"/> Traffic Signals and Street Lighting
<input checked="" type="checkbox"/> Renewable Energy Technologies on Government Buildings	<input type="checkbox"/> Programs for Financing, Purchasing, and Installing EE-RE, and Zero-Emission Transportation Measures	<input type="checkbox"/> Administrative
<input type="checkbox"/> States Sub-grants to Formula-Ineligible Communities (states only)		

Blueprints

Energy Planning
<input type="checkbox"/> 1. Energy Planning
Efficient Buildings
<input type="checkbox"/> 2a. Energy Efficiency - Energy Audits and Building Upgrades
<input type="checkbox"/> 2b. Energy Savings Performance Contracts: Energy Efficiency and Electrification in Government Buildings
<input type="checkbox"/> 2c. Building Electrification Campaign
<input type="checkbox"/> 2d. Building Performance Standards & Stretch Codes
Renewables
<input checked="" type="checkbox"/> 3a. Solar & Storage - Power Purchase Agreements and Direct Ownership
<input type="checkbox"/> 3b. Community Solar
<input type="checkbox"/> 3c. Solarize Campaign
<input type="checkbox"/> 3d. Renewable Resource Planning for Rural and Tribal Communities
Electric Transportation
<input type="checkbox"/> 4a. Electric Vehicles and Fleet Electrification
<input type="checkbox"/> 4b. EV Charging Infrastructure for the Community
Finance
<input type="checkbox"/> 5. Unlocking Sustainable Financing Solutions for Energy Projects and Programs with Revolving Loan Funds
Workforce
<input type="checkbox"/> 6. Workforce Development

2. State: NV

3. Sectors

<input type="checkbox"/> Agriculture / Agricultural	<input checked="" type="checkbox"/> Local Government	<input type="checkbox"/> Residential
<input type="checkbox"/> Commercial	<input type="checkbox"/> Low / Limited Income	<input type="checkbox"/> State or Territory Government
<input type="checkbox"/> Higher Education	<input type="checkbox"/> Non-profits	<input type="checkbox"/> Transportation
<input type="checkbox"/> Industrial	<input type="checkbox"/> Not Applicable	<input type="checkbox"/> Tribal / Native American
<input type="checkbox"/> K-12 Schools		

4. Technology and/or Topic Areas

<input type="checkbox"/> Audits and Assessments (Energy, Water, and Process)	<input type="checkbox"/> Environmental Justice
<input type="checkbox"/> Benchmarking	<input type="checkbox"/> Financial Incentives

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<input type="checkbox"/> Energy Savings Performance Contracting <input type="checkbox"/> Biofuels <input type="checkbox"/> Building Energy Codes & Inspection Services <input type="checkbox"/> Capital Investments & Financing <input type="checkbox"/> Biomass <input checked="" type="checkbox"/> Clean Energy / Clean Energy Technologies <input type="checkbox"/> Commuting Infrastructure <input type="checkbox"/> Distributed Energy Resources <input type="checkbox"/> Education and Outreach <input type="checkbox"/> Electric Vehicles and Infrastructure <input type="checkbox"/> Energy Affordability <input type="checkbox"/> Energy Management <input type="checkbox"/> Energy Audits <input type="checkbox"/> Energy Certification Programs <input type="checkbox"/> Energy Conservation <input type="checkbox"/> Energy Efficiency <input type="checkbox"/> Energy Equity <input type="checkbox"/> Assessments & Feasibility Studies <input type="checkbox"/> ENERGY STAR <input type="checkbox"/> Energy Workforce Training	<input type="checkbox"/> Fuel Cell and Hydrogen Technologies <input type="checkbox"/> Geothermal <input type="checkbox"/> Hydropower / Hydrokinetic Power <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> On-site Renewable Energy <input type="checkbox"/> Pedestrian & Bike Infrastructure <input type="checkbox"/> Reduce Commuting <input type="checkbox"/> Resiliency <input type="checkbox"/> Retrofits <input checked="" type="checkbox"/> Solar <input type="checkbox"/> Workforce Development <input type="checkbox"/> STEM Education <input type="checkbox"/> Storage <input type="checkbox"/> Strategy Development <input type="checkbox"/> Technical Assistance <input type="checkbox"/> Traffic Signals & Street Lighting <input type="checkbox"/> Waste to Energy / Solid Waste Minimization <input type="checkbox"/> Weatherization <input type="checkbox"/> Wind
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5. Estimated annual energy savings: MBtus

6. Description (executive summary of goals and objectives)*

The City of Las Vegas has previously constructed 6.1 megawatts of solar energy at municipal facilities, which generate more than 12 million kWh annually. This project will construct up to four (4) 500 kW solar photovoltaic systems at facilities that are "solar ready" leveraging Federal (DOE) Energy Efficiency and Conservation Block Grant (EECBG) funding and approved City of Las Vegas capital project funding. Based on design, pricing, and funding availability, systems may include one 35 kW system on an existing carport at Fire Station 108, a new 60 kW system at FS 3, up to a 100 kW rooftop system at the new Municipal Court, and up to a 100 kW rooftop system at the new Civic Plaza. The FS 3 and FS 108 sites are both solar-ready and need the addition of the panels, inverters, and interconnection; the Municipal Court and Civic Plaza solar systems were preliminary designed for the addition of rooftop solar systems. This expansion will generate up to an additional 400,000 kWh annually. As with other solar PV systems at over 38 other facilities, parks, fire stations, and community centers, these systems contribute to the City's Sustainability Initiative and long term outcomes established by the City of Las Vegas 2050 Master Plan by offsetting costs, reducing grid electric consumption and overall community environmental impact.

7. Activity milestones

Milestone Description	Planned Amount
100% (final) design - permits	90
Purchasing - contracts	60
Mobilization	14
Construction	90
Close-out, punch list	30

8. Activity performance metrics

a. Specific metric activity (required)**

9. Activity funds by source

a. EECBGBIL grant (all funds in the approved budget)

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Fund Source	Planned Amount
Federal	
Fund Source Type: Federal	\$583,470.00
Total	\$583,470.00

b. Leveraged funds anticipated (outside approved budget)

Fund Source	Planned Amount
<i>No records found</i>	
Total	\$0.00

*Please use additional pages if more space is needed.
**Mandatory requirement