



Memorandum

Date: 4/8/2025
Meeting of: City Council Study Session

File No. SS 25-027
Type: Study Session

TO: Members of the City Council
FROM: Mayor Angela Birney
DEPARTMENT DIRECTOR CONTACT(S):

| | | |
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| Executive | Lisa Maher | 425-556-2427 |
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DEPARTMENT STAFF:

| | | |
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| Executive | Jenny Lybeck | Sustainability Manager |
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TITLE:

Solar Plus Energy Storage Feasibility Study Overview

OVERVIEW STATEMENT:

The City of Redmond recently completed a grant funded solar plus energy storage feasibility study. The study provides a foundation to guide future solar and battery storage opportunities at four City of Redmond facilities. Solar combined with battery storage is an important sustainability strategy to increase resilience and reduce demands on the utility grid. Staff will present highlights from the report and discuss next steps.

☒ **Additional Background Information/Description of Proposal Attached**

REQUESTED ACTION:

☒ **Receive Information** ☐ **Provide Direction** ☐ **Approve**

REQUEST RATIONALE:

- **Relevant Plans/Policies:**
Community Strategic Plan, Environmental Sustainability Action Plan (ESAP), Climate Vulnerability Assessment, Climate Emergency Declaration
- **Required:**
N/A
- **Council Request:**
N/A
- **Other Key Facts:**
The City was awarded a \$100,000 Solar Plus Energy Storage grant from the Department of Commerce to complete the feasibility study.
The feasibility study was completed in concert with the Facility Condition Assessment Decarbonization Analysis.

OUTCOMES:

Work completed under this grant will implement ESAP strategies B2 (*Advance green building within City facilities*), B3 (*Shift to renewable energy sources and building decarbonization*), and B4 (*Prepare the energy grid for future conditions*).

COMMUNITY/STAKEHOLDER OUTREACH AND INVOLVEMENT:

- **Timeline (previous or planned):**
N/A
- **Outreach Methods and Results:**
N/A
- **Feedback Summary:**
N/A

BUDGET IMPACT:

Total Cost:

2023/2024 grant budget: \$100,000

Approved in current biennial budget: ☒ Yes ☐ No ☐ N/A

Budget Offer Number:

264

Budget Priority:

Healthy and Sustainable

Other budget impacts or additional costs: ☐ Yes ☐ No ☒ N/A

If yes, explain:

N/A

Funding source(s):

Grant funds

General Fund

Budget/Funding Constraints:

N/A

☐ Additional budget details attached

COUNCIL REVIEW:

Previous Contact(s)

| Date | Meeting | Requested Action |
|-----------|---|-------------------|
| 9/26/2023 | Committee of the Whole - Parks and Environmental Sustainability | Provide Direction |
| 10/3/2023 | Business Meeting | Approve |
| 3/25/2025 | Committee of the Whole - Parks and Environmental Sustainability | Provide Direction |

Proposed Upcoming Contact(s)

| Date | Meeting | Requested Action |
|------|----------------------------|------------------|
| N/A | None proposed at this time | N/A |

Time Constraints:
N/A

ANTICIPATED RESULT IF NOT APPROVED:

This is an information only item.

ATTACHMENTS:

Attachment A - Solar Plus Energy Storage Feasibility Study