

Exhibit B

Project Summary

- 24' high solar canopy, ~40,000+ square foot equipment platform with 511.7 kW solar over space for shaded community events or 102 shaded parking spaces
- Event Space/Placemaking structure



Produces 874,220 kWh annually:

- 0.27 % of Mesa Electric Utility's annual electric energy requirements
- 1.87 % of City of Mesa Facilities annual electric energy requirements served by the Energy Resources Department
- 29.65 % of Mesa Arts Center annual electric energy requirements
- Reduces CO₂ emissions by 614 metric tons = 130 passenger vehicles

2

Solar Parasol



Solar Parasol



Location



View from the Southwest



5

Close-up View of Solar Parasol



6

Base Bid – Lighting



Inverter Screening

Four solar inverters will be covered in mesh banner fabric, with planned LED digital signs on two inverter columns by parking lot entrance

Mesh cover will be used for banners for branding or information



Performance Space - Additional Support

- At east end of structure the steel framework will have beams, about 4' long, running east/west, spaced 5' to 8', each capable of supporting 500 pounds, to use as lighting grid for large stage at east end of lot
- Considerable savings over the cost of setting up temporary lighting truss for large outdoor stage
- Can also accommodate theatrical staging under east side of canopy

9

Theatrical Lighting

Focused and ambient lighting for festivals

- Controllable
- Dimmable
- Colored
- Energy Efficient



10

Additional Features for MAC

Aesthetic and Event Infrastructure Options	Cost Added to PPA, 0% Escalation	Annual Cost
Sign mounting brackets on structure support columns with conduit for electrical power		
Dimmable parking lot lights allowing for colored LED's	\$0.0090/kWh	\$7,868
60 Amp power outlets on support columns, mounted 10' above the ground	\$0.0009/kWh	\$787
Power outlets for event power ("Spider Boxes"), low mounted	\$0.0009/kWh	\$787
200 Amp connection on West side of parking lot for large event (stage) power	\$0.0009/kWh	\$787
200 Amp connection on East side of parking lot for large event (stage) power	\$0.0009/kWh	\$787
Additional structure to support 500 lb of stage rigging on East side of parking lot	\$0.0009/kWh	\$787
TOTAL COST FOR ALL OPTIONS	\$0.0135/kWh	\$11,802

Construction Cost Verification by COM

Aesthetic and Event Infrastructure Options	Constructed by the City
Sign mounting brackets on structure support columns with conduit for electrical power	\$79,240
Dimmable parking lot lights allowing for colored LED's	\$84,900
60 Amp power outlets on support columns, mounted 10' above the ground	\$14,150
Power outlets for event power ("Spider Boxes"), low mounted	\$14,150
200 Amp connection on West side of parking lot for large event (stage) power	\$1,415
200 Amp connection on East side of parking lot for large event (stage) power	\$1,415
Additional structure to support 500 lb of stage rigging on East side of parking lot	\$3,540
TOTAL COST FOR ALL OPTIONS	\$198,810

Preliminary DRAFT Review Schedule

7/26	MAC Foundation Leadership/Supporters Review
7/27	Museum & Cultural Advisory Board Review
7/31 or 8/28	P&Z Board submittal
8/24 or 31	Council Review of Project
8/28	DRB Submittal
9/20	P & Z Preliminary Review of Project
10/10	DRB Work Session
10/18	P & Z Hearing
11/6	Council Study Session/Approval of PPA/Notice to Proceed

13

Preliminary DRAFT Construction Schedule

8/24 or 31	Council Support and Authorization to Negotiate an Agreement	
9/1	PPA Negotiation	Ameresco/COM
11/6	Council Approval of PPA	COM
11/7	Notice to Proceed	COM
11/8	Design and Engineering	Ameresco/COM
11/8	Fabrication & Lead Time	Ameresco
4/16	Construction	Ameresco
7/15	Commercial Operation Date	
TBD	City of Mesa Work – signage, asphalt coating	

14