



Downey Unified
SCHOOL DISTRICT

DOWNEY UNIFIED SCHOOL DISTRICT AWARD OF SOLAR POWER PURCHASE AGREEMENT

Prepared by ARC Alternatives
March 14, 2023



Background

- The District released an RFP on 11/30/22.
- The RFP was sent to 37 solar and energy firms.
- The RFP asks for proposals for both solar and battery storage (optional) at eight sites
- Four proposals were received on 1/27/23.

This presentation includes:

- Overview of responses
- Summary of evaluation and selection process
- Financial savings analysis
- Recommendations and next steps



Summary of Proposals



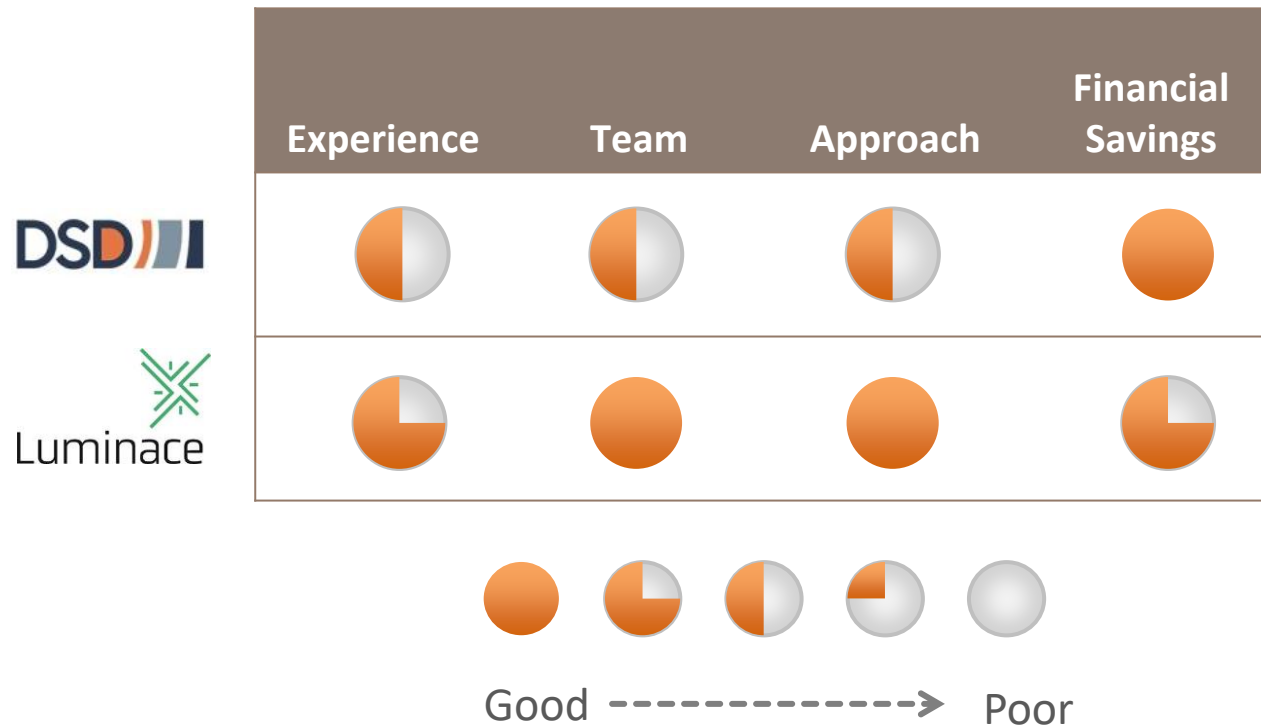
- Four Proposals Received
- All proposals compliant with RFP requirements

Downey Unified School District Proposal Summary Sheet

	DSD	Duke	FFP	Luminace
Shade Structure Vendor	Tiechert	MBarC	MBL	MBarC
Panel Manufacturer	Hanwha	Hanwha	LONGi	LONGi
Panel Size (W)	585	400	435	445-465 (not specified)
Degradation Rate	0.50%	0.54%	0.55%	0.55%
Inverter Manufacturer	SMA	Chint	Chint	Chint
System Monitoring	AlsoEnergy PowerTrack	Green Power Monitoring	AlsoEnergy PowerTrack	AlsoEnergy PowerTrack
Total Capacity (kW DC)	4,006	4,060	4,165	4,352
Est. First Year Production (kWh)	6,713,893	6,803,000	6,819,941	6,863,774
Yield (kWh/kW)	1,676	1,621	1,637	1,577
PPA Term	20 years	20 years	20 years	20 years
Blended PPA Rate (\$/kWh)	\$0.1495	\$0.2030	\$0.1551	\$0.1689
PPA Escalation	0.00%	0.00%	0.00%	0.00%
Purchase Price	\$20,940,698	N/A	\$18,826,726	\$16,757,511

Proposal Evaluation – Shortlist

- Shortlist determined based on pricing and high-level review of proposals
- DSD and Luminace were shortlisted
- The recommendation is to move forward with Luminace based on technical and economic considerations



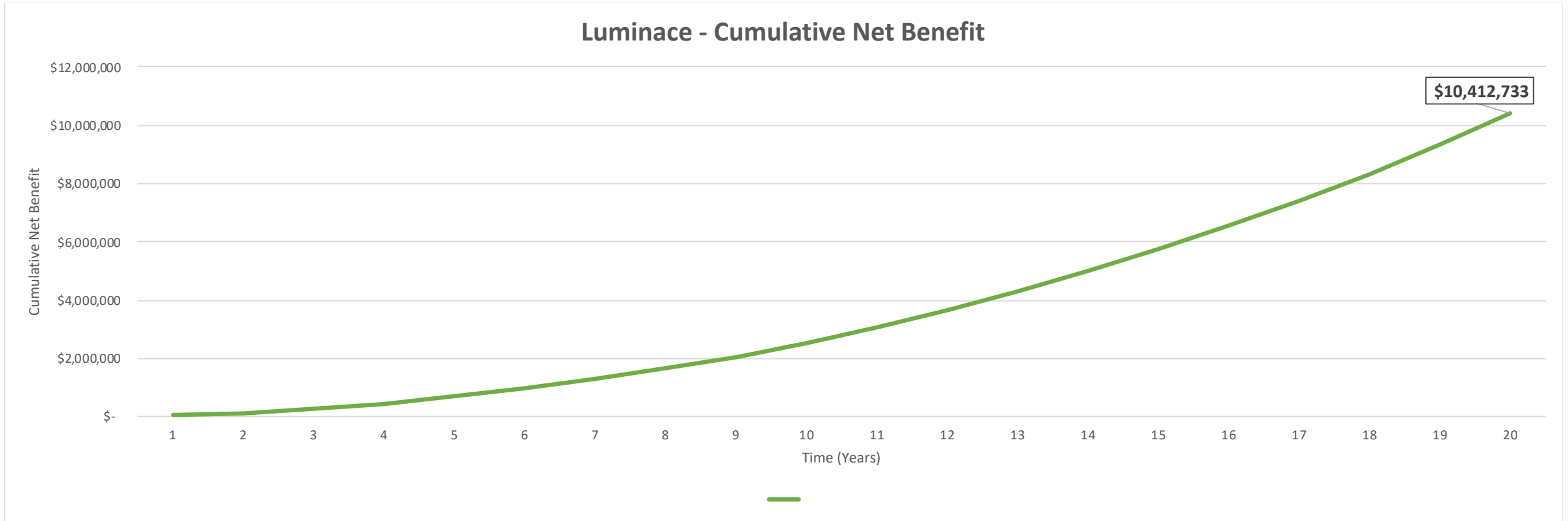
PPA Pricing and Project Savings Summary



Item	Final Contract Value*
Solar PPA Rate – Portfolio Price (\$/kWh)	\$0.1700
Value of Solar in Year 1 (\$/kWh)	\$0.1775
Savings in Year 1 (\$)	\$51,297
20-Year Savings (\$)	\$10,412,733

** Figures based on Luminace pricing as reflected in final version of PPA*

Project Savings and Cash Flow



Power Purchase Agreement Structure



- No Capital Outlay – Luminace finances the project and operates systems for 20 years
- Agreement Covers All Phases of the Project: Interconnection through O&M
- Mechanisms for dealing with unforeseen conditions included in the agreement

Requested Action

1. Make the project savings finding as required under GC4217
2. Adopt the proposed resolution authorizing staff to execute the solar PPA
 - Contract negotiations led by District's legal counsel, OHH, with support by ARC and District staff



Questions and Answers

Thank You!