



الأكاديمية الدولية - عمان

THE INTERNATIONAL ACADEMY - AMMAN

MOVING TO A ZERO \$ BILL FOR ELECTRICITY
AT IAA WHILE TEACHING THE STUDENTS
ABOUT PHOTOVOLTAIC SYSTEM

WHAT DID IAA BENEFIT FROM THE PV PROJECT?

ENVIRONMENTAL BENEFITS

- Installing solar enabled our school to run on clean energy while at the same time combatting greenhouse gas emissions and global warming.

WHAT DID IAA BENEFIT FROM THE PV PROJECT?

LEARNING EXPERIENCE

- A long-term benefit is the knowledge students can gain from having this kind of innovation at their fingertips.
- Solar energy system encourages sustainable practices among the student body.
- Integrating the system into the curriculum through science and/or math classes.
- The school has added screens that provide data streaming access that students can assess to measure the output of the solar panels.



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Learners of Today - Leaders of Tomorrow

Photovoltaic Plant

Instant Power

Total Production

Saved CO2

159599

Watt

273053

kWh

110179

Kg

WHAT DID IAA BENEFIT FROM THE PV PROJECT?

COST SAVINGS

- Diminish monthly utility bills.
- The solar electricity generated is saved for winter time.

FACT SHEET/ PHASE 1

PV Plant	Location	Production /kWh	KWh Price	Total Cost Saving	CO2 Saving /kg
IAA Phase 1 systems (Life time)	Secondary bldg.	2,460,000.00	JOD 0.27	JOD 664,200.00	1,117,578.00
	Primery Bldg.	1,910,000.00	JOD 0.27	JOD 515,700.00	867,713.00
	Gym bldg.	132,650.00	JOD 0.27	JOD 35,815.50	60,262.90
	Admin Bldg.	537,000.00	JOD 0.27	JOD 144,990.00	243,959.10
	Cafeteria Bldg.	398,000.00	JOD 0.27	JOD 107,460.00	180,811.40
				JOD 1,468,165.50	2,470,324.40

PHASE ONE/ROOFTOP SOLAR PHOTOVOLTAIC (PV)



FACT SHEET/ PHASE 2

PV Plant	Location	Production /kWh	KWh Price	Total Cost Saving	<u>CO2</u> Saving /kg
IAA Phase 2 systems <u>(Expected</u> First Year production)	Primary, Secondary & Administration Parkings	918,800.00	JOD 0.27	JOD 248,076.00	417,410.84
				JOD 248,076.00	417,410.84

PHASE TWO/CAR PARK SOLAR PHOTOVOLTAIC (PV)

