

# %bluefield

SOLAR INCOME FUND
INTERIM RESULTS FOR THE PERIOD ENDED DECEMBER 2019

CONFIDENTIAL

## **BLUEFIELD SOLAR INCOME**

#### Three areas of focus



Earnings: Record earnings at the half year point<sup>1</sup>



Valuation: Climbs to highest level<sup>1</sup>



Analysis: Power forecasts and discount rates

## BSIF – 2019/20 INTERIM RESULTS HIGHLIGHTS

## **Record Earnings**

Earnings and dividends (pps)<sup>1</sup>

	H1 FY 2019/20	H1 FY 2018/19	FY 2018/19	FY 2017/18
Total underlying earnings	5.59	4.86	11.01	9.67
Debt amortisation	-2.17	-2.09	-2.40	-2.24
Reserves brought forward	0.60	0.30	0.30	0.30
Total funds available for distribution	4.02	3.07	8.91	7.73
Dividend distribution <sup>2</sup>	-1.95	-1.90	-8.31	-7.43
Reserves carried forward	2.07	1.17	0.60	0.30



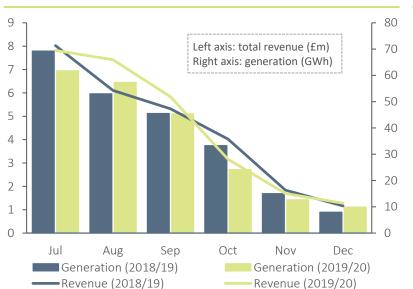
#### OPERATIONAL PERFORMANCE

## H1 FY19/20 delivers solid revenue increase vs forecast

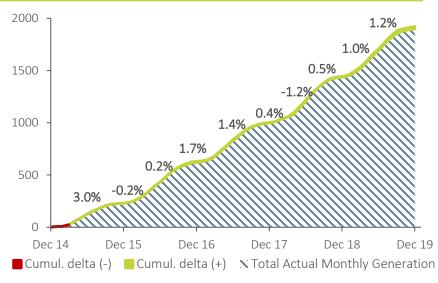
#### Operational performance (%)<sup>1</sup>

	H1 FY 2019/20	H1 FY 2018/19	FY 2018/19	FY 2017/18
Irradiation	+4.6	+10.2	+6.6	- 0.9
Operational	-0.4	+0.9	+0.9	+ 0.7
Generation	+4.2	+11.1	+7.5	- 0.1
Revenue	+3.8	+17.2	+13.6	+3.6

#### Generation & revenue FY19/20 vs FY 18/19<sup>1</sup>



#### Historic cumulative generation vs budget (GWh)<sup>2</sup>





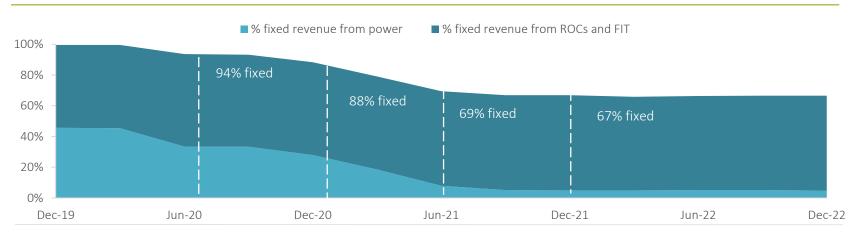
#### HIGHER POWER PRICES TO BOOST TOP LINE REVENUE

## BSIF's PPA strategy captures recent increases in power prices

#### BSIF's average PPA price and UK power price (£/MWh)<sup>1,2</sup>



#### BSIF's revenue profile and proportion of fixed revenues<sup>2</sup>





#### **SOLAR PV: REVENUE GENERATION**

## Converting irradiance to portfolio income

#### **Power Generation Process Revenue Generation Process** H1 FY 2019/20 per MWp1 Solar irradiation 575.6 Irradiation kWh/m<sup>2</sup> • Expected variability +/- 7% based on **ES** 90% confidence interval Solar irradiation Performance Ratio 79.8% **PV** Modules Plant performance Warranted by contractor Electricity in DC 459.3 Inverter • Expectations set by lenders technical Plant Output MWh advisor based on analysis of plant **₩** PPA Electricity in AC ROC 🗱 design and expected losses Transformer £81.4/ £53.6/ Tariffs MWh MWh Long-term Off-taker Output Power revenues based on PPAs fixed £24.5k/ £37.4k/ contracts αWM qWM ROC/FiT tariffs fixed on commissioning for 20-25 years £61.9k/MWp Revenue

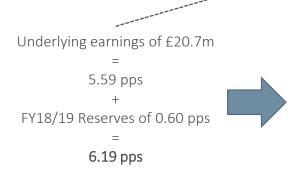


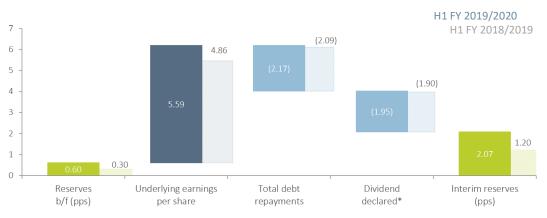
## CONSOLIDATED PORTFOLIO EARNINGS

## Higher revenue and stable costs boost portfolio's bottom line

	Half year to 31 Dec 2019 (£m)¹	Half year to 31 Dec 2018 (£m)¹	December 2019 commentary
Portfolio Income	32.9	29.0	PPA revenue of £11.9m, regulated revenue of £18.1m & other revenue of £2.9m
Portfolio and project finance interest costs	(7.2)	(6.4)	Variance to FY18/19 is c£600k of preventative maintenance expenditure
Total Portfolio Income Earned	25.7	22.6	
Group Operating Costs	(2.7)	(2.3)	Variance to FY 18/19 is tax payments of c£400k
Group Third Party Interest Costs	(2.3)	(2.3)	Interest on Aviva long-term & RCF financing
Underlying Earnings	20.7	18.0	

#### Earnings & dividend flows: H1 FY 2019/20 vs H1 FY 2018/19 (pps)<sup>1</sup>







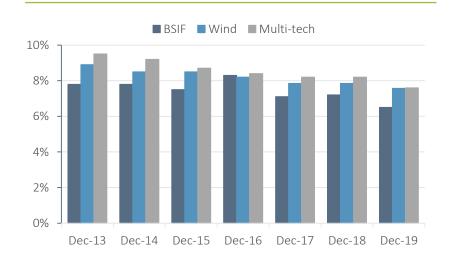
#### BSIF VALUATION PARAMETERS

## At £1.31m/MWp BSIF remains in-line with secondary market transactions

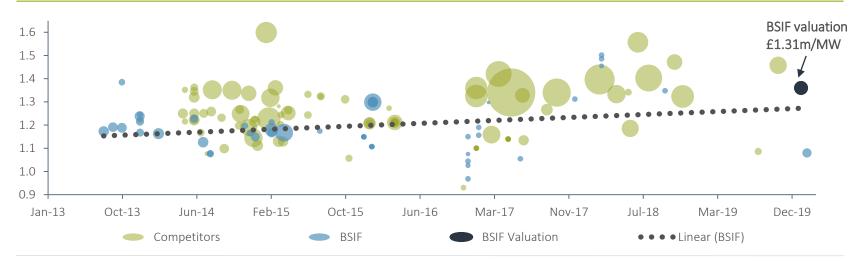
#### Commentary<sup>1,2</sup>

- Valuation underpinned by:
  - ✓ Low risk portfolio low leverage (c.32%), high regulated revenues (c.57%), simple technology and no currency risk
  - ✓ Weighted average life of portfolio 26.8 years (June 2019: 24.2 years)
  - ✓ Discount rate of **6.50%** (7.18% June 2019)
  - ✓ The typical pricing of secondary purchases between £1.30m/MWp and £1.40m/MWp

#### Renewable funds – equity discount rate trends<sup>2</sup>



#### UK solar market pricing (£m/MW)<sup>2</sup>

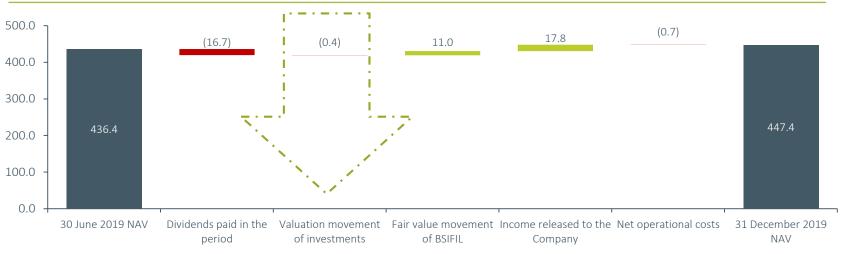




## NAV CONSISTENT WITH MARKET PRICE OF £1.31m/MW

Asset life extension brings additional value compared with June 2019

#### NAV Movement in Period (£m)<sup>1</sup>



#### Portfolio Valuation Movement in Period (£m)<sup>1</sup>

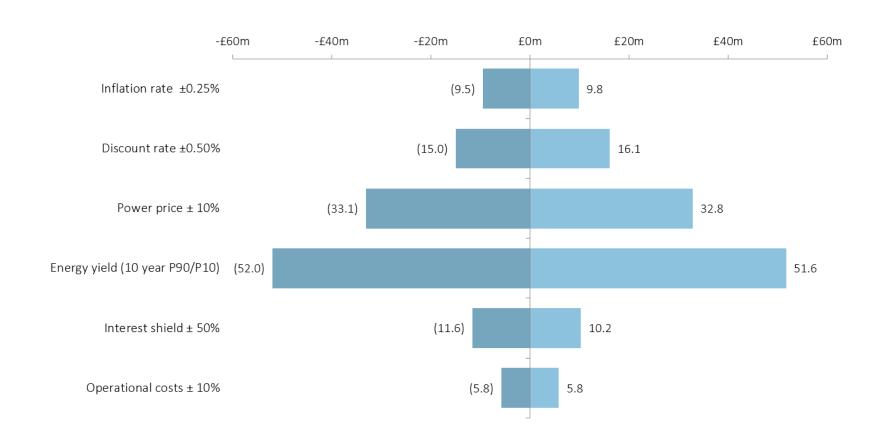




#### SENSITIVITY ANALYSIS

## BSIF valuation remains robust against fluctuations of key parameters

Directors' Valuation<sup>1</sup>: £621.7m





#### ENVIRONMENTALLY AND SOCIALLY CONSCIOUS COMPANY

## ESG activities are central to BSIF and further initiatives are expected

#### Environmental impact<sup>1</sup>:

BSIF delivers carbon savings of

117,991 tonnes CO<sub>2</sub>e

per year



Equivalent to powering

150,097 homes

with renewable energy



#### Current and forthcoming ESG initiatives

- Enhancing biodiversity: seeded wildflowers, created 'bug hotels', introduced beehives and installed bat, owl and bird boxes at our solar farms
- Sheep grazing: several of our projects provide an environment for sheep grazing
- Guernsey Green Fund status the first Guernsey domiciled London listed investment fund to achieve this status<sup>2</sup>
- Future initiatives planned including committing to the UN Principles of Responsible Investing<sup>3</sup>







Bug hotel at Pashley









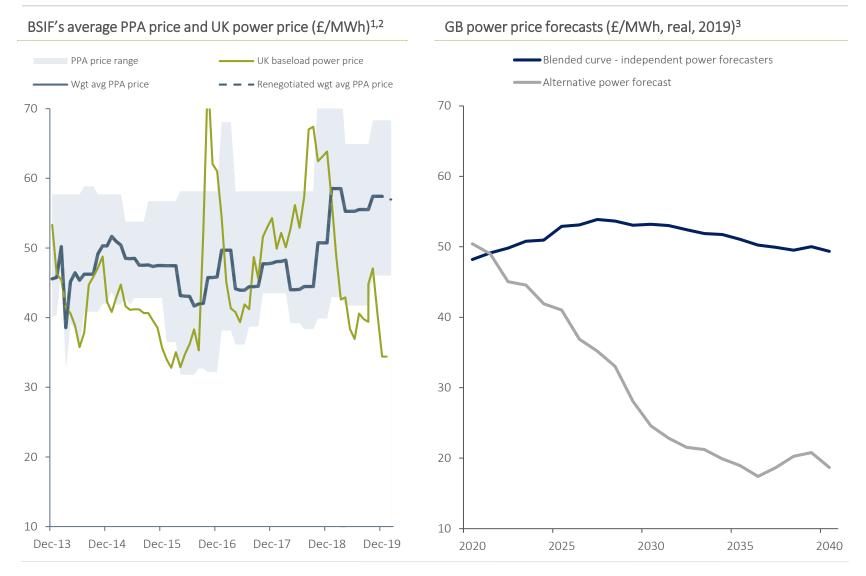
<sup>1.</sup> BSIF interim accounts FY19/20. BSIF carbon savings are an estimate

<sup>2.</sup> Further information available at <a href="https://www.gfsc.gg/industry-sectors/investment/guernsey-green-fund">https://www.gfsc.gg/industry-sectors/investment/guernsey-green-fund</a>

<sup>3.</sup> Bluefield Partners LLP is a signatory

#### LONG TERM POWER FORECASTS

## BSIF's PPA strategy captures recent increases in power prices

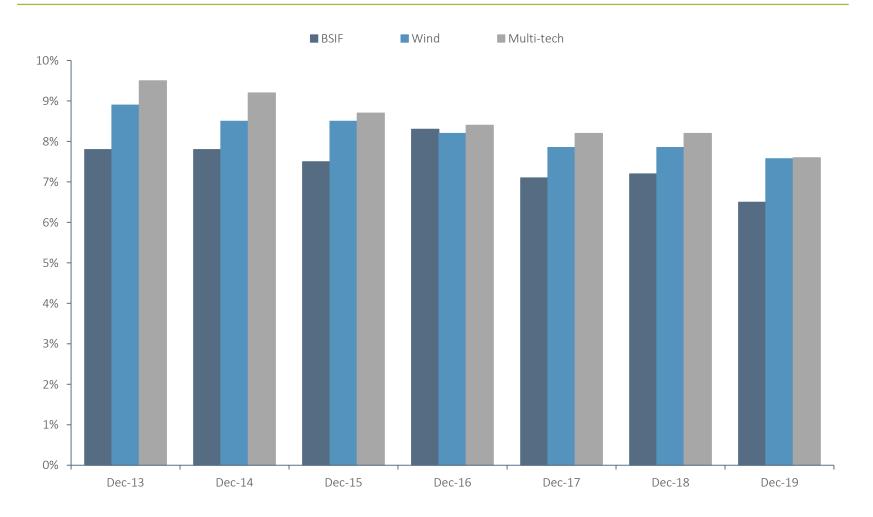




## **DISCOUNT RATES**

## Different renewable technologies carry different risks

Renewable funds – equity discount rate trends 1,2





## **BLUEFIELD SOLAR INCOME**

#### Conclusion



Objective: sterling income fund with dividends growing annually

#### BSIF'S FINANCIAL PERFORMANCE 1,2,3



		<u>6-month to</u> <u>Dec-19</u>	<u>Cumulative</u> <u>since IPO</u> <sup>4,5,6</sup>
٠	Shareholder Total Return:	6.97%	82.99%
٠	NAV Total Return:	6.17%	62.24%
	Total Dividends Paid:	4.51pps	41.49pps
	Dividend Yield <sup>6</sup>	5.6%	

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