



ORMAT

ORMAT TECHNOLOGIES, INC.

INVESTOR PRESENTATION

FEBRUARY 2022

SAFE HARBOR STATEMENT AND NON-GAAP METRICS

THIS PRESENTATION INCLUDES FORWARD-LOOKING STATEMENTS, AND THE DISCLAIMER SHOULD BE READ CAREFULLY

FORWARD-LOOKING STATEMENTS

This presentation, and information provided during any discussion accompanying this presentation, may contain “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. These statements involve estimates, expectations, projections, goals, objectives, assumptions and risks, and activities, events and developments that may or will occur in the future. When used in or during the course of this presentation, the words “may”, “will”, “could”, “should”, “expects”, “plans”, “anticipates”, “believes”, “estimates”, “predicts”, “projects”, “thinks”, “forecasts”, “guidance”, “continue”, “goal”, “outlook”, “potential,” “prospect” or “target”, or the negative of these terms or other comparable terminology are intended to identify forward-looking statements, although not all forward-looking statements contain such words or expressions. Such forward-looking statements include, but are not limited to:

- statements about Ormat Technologies, Inc.’s and its affiliates’ (“Ormat”) business strategy;
- statements about Ormat’s competitive strengths;
- statements about Ormat’s development and operation of electricity generation, storage and energy management assets, including distributed energy resources;
- statements about Ormat’s other plans, expectations, objectives and targets;
- statements about Ormat’s views on market and industry developments and economic conditions, and the growth of the markets in which Ormat conducts its business; and
- statements about the growth and diversification of Ormat’s customer base and Ormat’s future revenues, expenses, earnings, capital expenditures, regional market penetration, electricity generation, and other operational performance metrics, including statements about “target” or “targeted” amounts for 2022 and 2023 growth (MW) or 2022 and 2023 operational performance metrics such as growth (MW) and adjusted EBITDA, among others.

All of these and other forward-looking statements made in or during the course of this presentation are made only as of the date hereof and Ormat undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future developments or otherwise, except as required by law. Forward-looking statements about “target” or “targeted” amounts represent current goals of Ormat’s management and are neither estimates of Ormat’s actual results nor financial projections or forecasts that have been prepared in accordance with Securities and Exchange Commission (“SEC”) rules or guidelines adopted by the American Institute of Certified Public Accountants.

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These risks, uncertainties and other factors include, but are not limited to, the risks, uncertainties and other factors described in Ormat Technologies, Inc.’s Form 10-K filed with the SEC on February 25, 2022, and from time to time, in Ormat’s quarterly reports on Form 10-Q that are filed with the SEC.

NON-GAAP METRICS

RECONCILIATION TO US GAAP FINANCIAL INFORMATION

This presentation includes certain “non-GAAP financial measures” within the meaning of Regulation G under the Securities Exchange Act of 1934, as amended, including EBITDA and Adjusted EBITDA. The presentation of these non-GAAP financial measures is not intended as a substitute for financial information prepared and presented in accordance with GAAP and such non-GAAP financial measures should not be considered as a measure of liquidity or as an alternative to cash flow from operating activities, net income or any other measures of performance prepared and presented in accordance with GAAP. Such non-GAAP financial measures may be different from non-GAAP financial measures used by other companies.

The appendix slides in this presentation reconcile the non-GAAP financial measures included in the presentation to the most directly comparable financial measures prepared and presented in accordance with U.S. GAAP .

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INTRODUCTION



A LEADING RENEWABLE ENERGY PROVIDER

WITH A PROVEN TRACK RECORD IN GEOTHERMAL AND ENERGY STORAGE

over

55

Years of experience

Own & operate

~1,100MW

Geothermal, Storage, Solar PV & REG⁽¹⁾

1,400

Employees

\$663M

2021 revenues

\$401M

2021 adj. EBITDA⁽²⁾

\$76M

2021 Net income⁽³⁾

(1) REG - Recovered Energy Generation

(2) See appendix for reconciliation of non-GAAP financial measures.

(3) Net income attributable to the company stockholders



OUR BUSINESS SEGMENTS



ELECTRICITY

Develop, build, own and operate geothermal, solar and recovered energy-based (REG) power plants

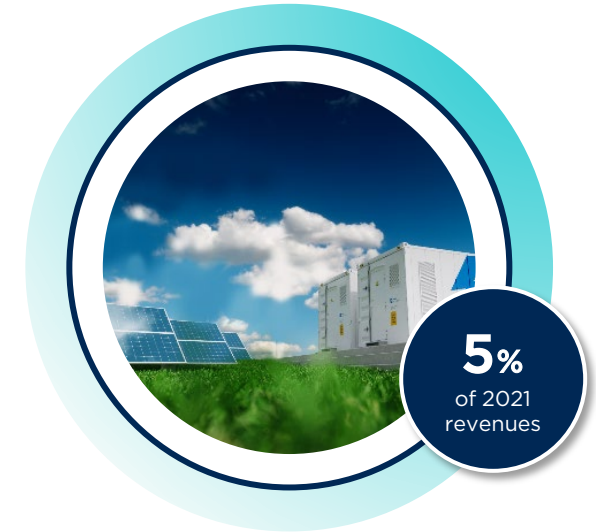
Primary customers include utilities, CCA and municipalities



PRODUCT

Design, manufacture and sell equipment for geothermal and REG power plants

Provide EPC and O&M services for geothermal and REG power plants



ENERGY STORAGE

Growing to establish leading position in the U.S. storage sector

Leverage Ormat's core competencies in EPC, O&M and project finance

A STRONG TAILWIND

The Glasgow climate change conference set an ambitious targets to reduce global warming. Governments, including U.S., made a commitment to reach those targets

CPUC recommendation:

- To procure 1 GW of zero emission high-capacity and weather independent power by 2026 - namely geothermal.
- To procure additional 1.2 GW of new build geothermal beyond 2026 and nearly 15 GW of battery storage by 2032

Implications:

- Increasing the demand
- Unlocks geothermal value
- Enables Ormat to sign higher PPAs rate

(1) Source: [CPUC](#)



ELECTRICITY SEGMENT OVERVIEW



1,012	01 U.S.	02 Guatemala	03 Honduras
	727 MW	40 MW	38 MW
MW	04 Guadeloupe	05 Kenya	06 Indonesia
	15 MW	150 MW	42 MW⁽¹⁾

Global operation

94% geothermal; Highest capacity factor of any renewable resource

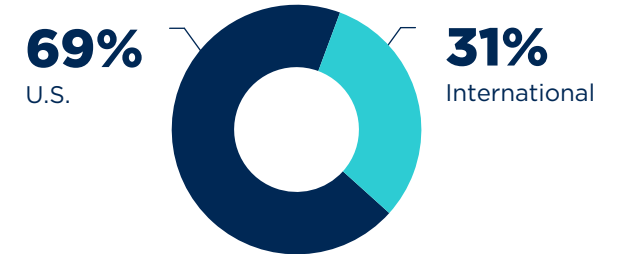
Visible cash generating assets

Weighted average PPA life: 15 years ⁽²⁾

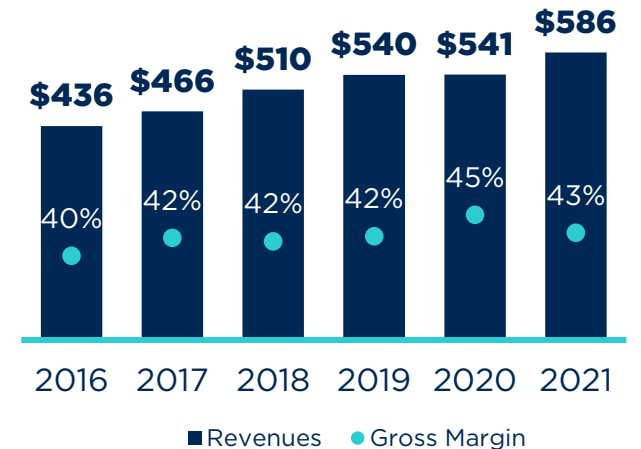
(1) In the Sarulla complex, we include our 12.75% share only
 (2) Including re-contracting under the SCPA Portfolio PPA and amended HELCO PPA.
 (3) Electricity segment revenues were impacted by the shutdown of Puna during 2018 - 2021.

Diversified portfolio

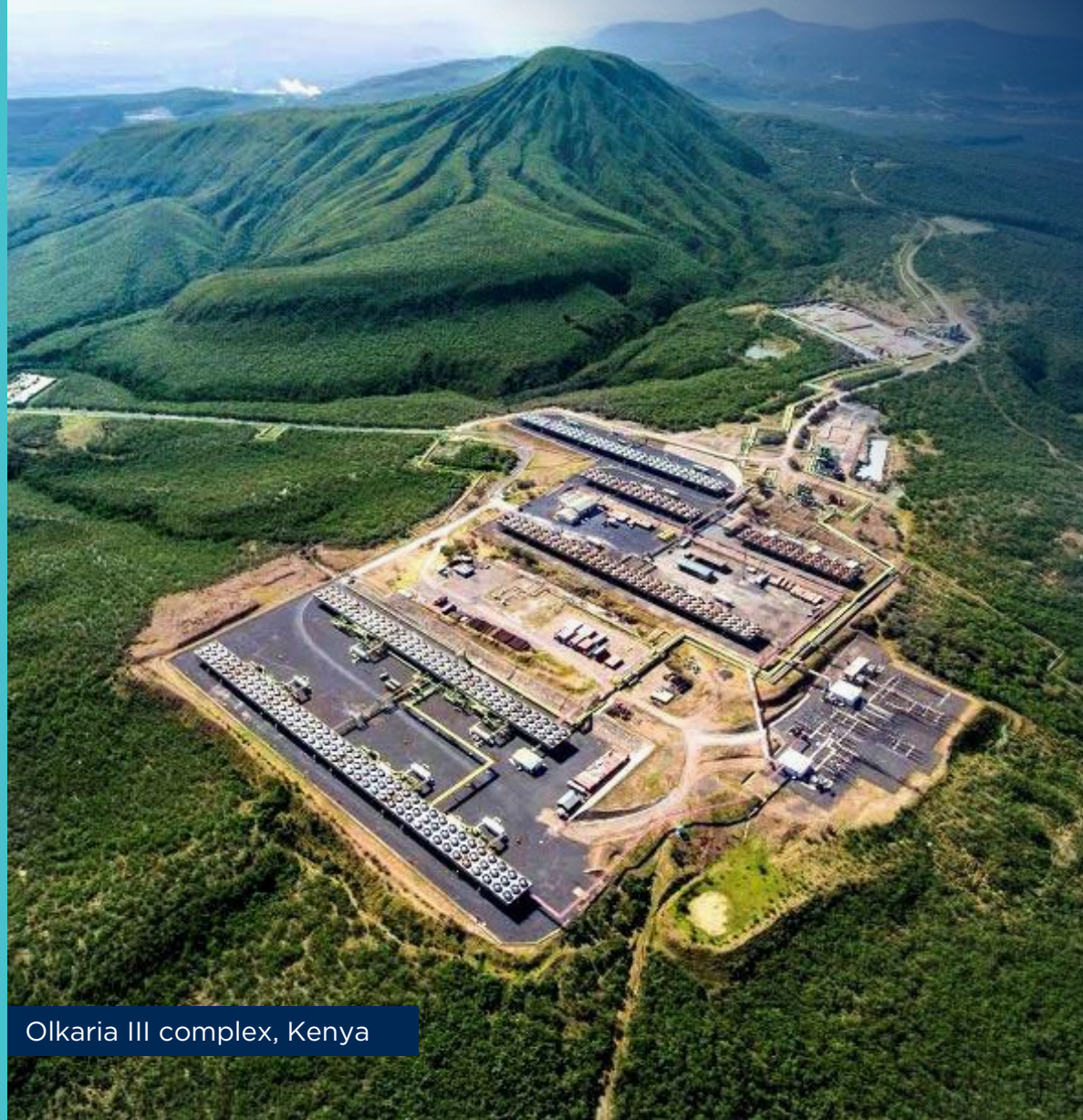
2021 Geographic breakdown of revenues



Profitable growing portfolio



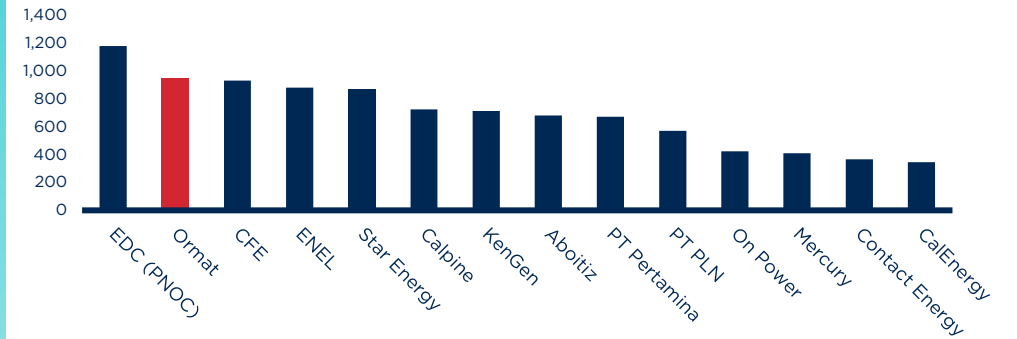
GEOHERMAL MARKET



Olkaria III complex, Kenya



Ormat -the 2nd largest geothermal owner & operator

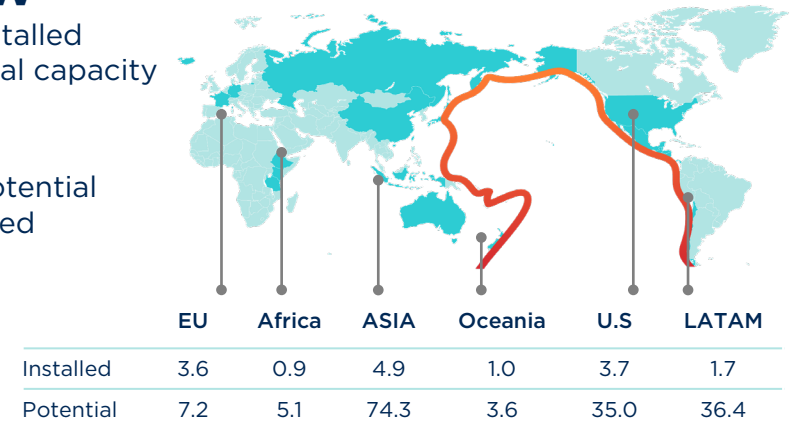


~16 GW

Global Installed geothermal capacity

9x

Global Potential vs. Installed



Source of above charts: Geothermal Power Market Forecast 2019-2029, Visiongain; Think GeoEnergy - "Geothermal Market Analysis YE 2021" by Alexander Richter from February 2022; Data is presented at gross installed capacity.

PRODUCT SEGMENT OVERVIEW

Market leader

Built approx. 190 power plants and installed approx. 3,200 MW of geothermal & REG over the years

3rd parties' backlog

Backlog of \$53.5M⁽¹⁾ as of February 16, 2022

Continuing improving engineering, technology and delivery lead-time to maintain leadership position

Provides flexibility

Manufacturing our owned power plants to support organic growth

2021 Intersegment revenue \$129.6M

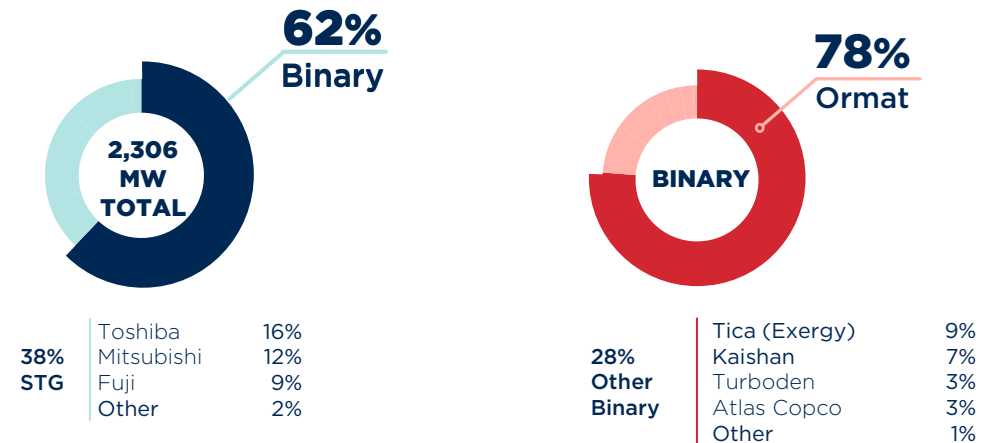
2020 Intersegment revenue \$113.2M

(1) Includes revenues for the period between January 1, 2022, and February 16, 2022; for backlog breakdown by contracts - see appendix slide



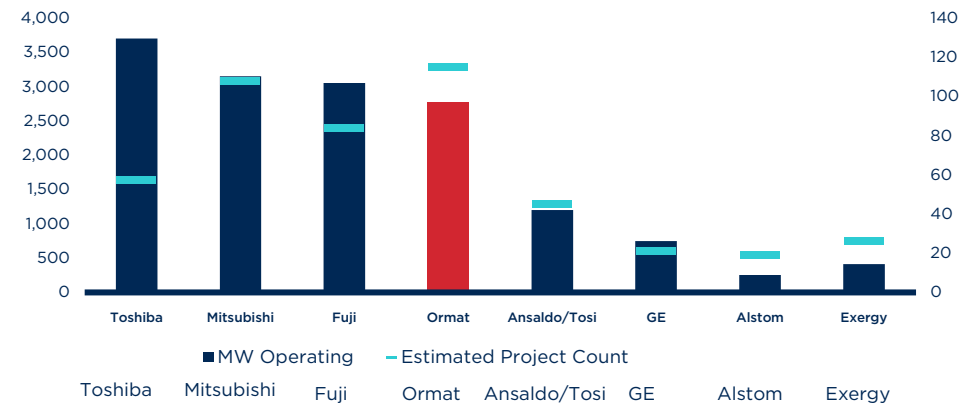
Primary provider of geothermal binary plants

Suppliers of geothermal power plants 2017 - 2021 capacity, MW



Geothermal equipment suppliers

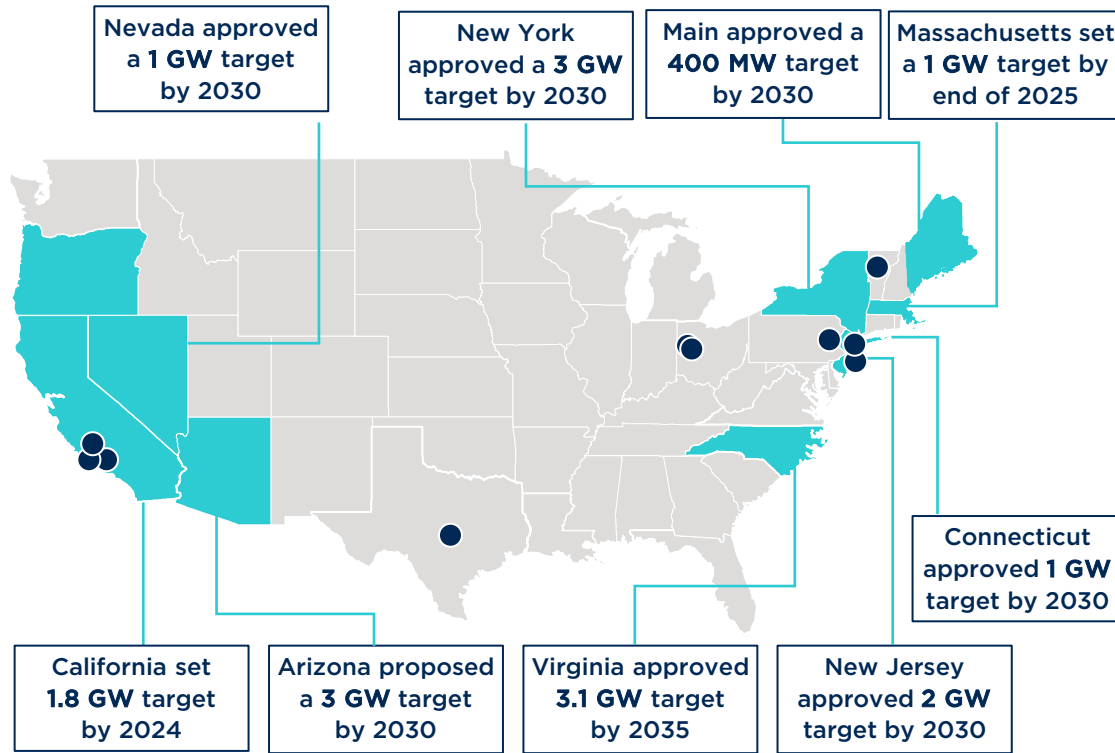
(MW & project count)



Source of above charts: Geothermal Power Market Forecast 2017-2021, Visiongain; Think GeoEnergy - "Geothermal Market Analysis YE 2021" by Alexander Richter from February 2022; Data is presented at gross installed capacity.

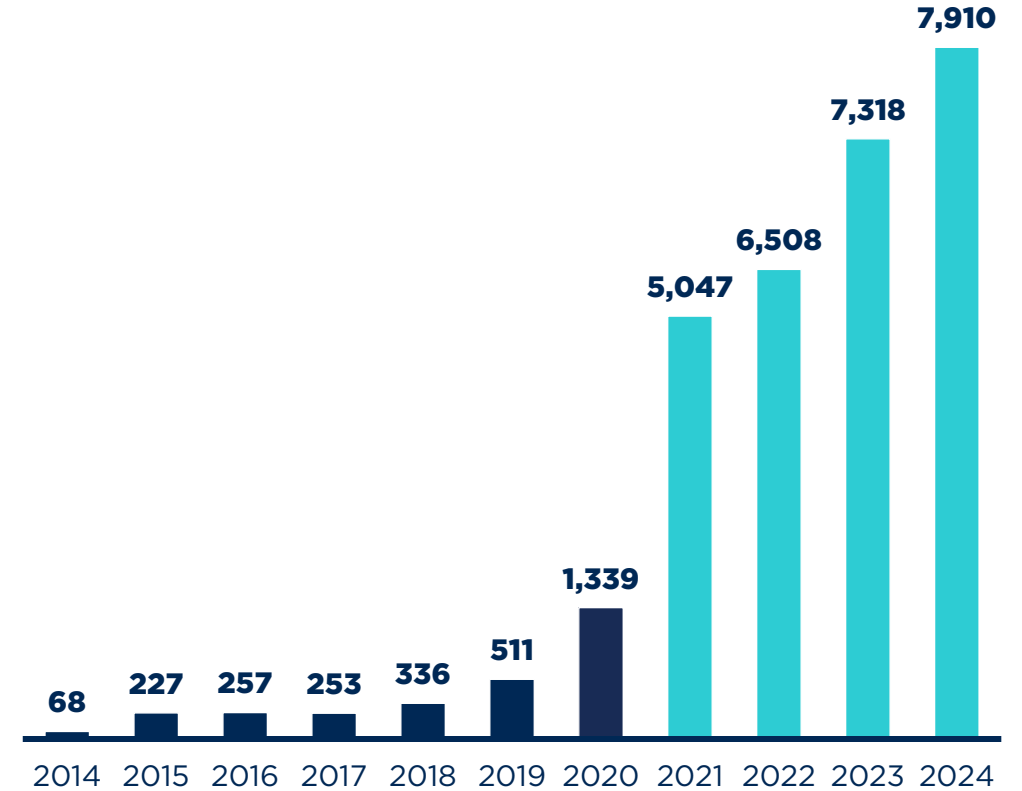
ENERGY STORAGE MARKET

State-level support for energy storage



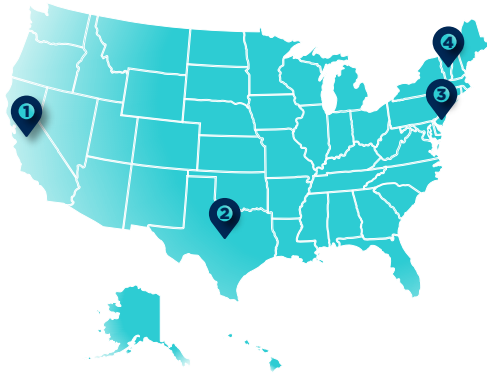
● Existing Ormat storage facility

Growth in U.S. energy storage incremental capacity (MW)



Source: Wood Mackenzie – Energy Storage Monitors Q3 2021 forecast.

GROWTH IN ENERGY STORAGE SEGMENT



**83 MW/
176 MWh**

01 CA 30MW/120MWh	02 TX 10MW/10MWh
03 NJ 41MW/41MWh	04 VT 2MW/5MWh

Establishing strong market position

Focus on largest and most lucrative markets

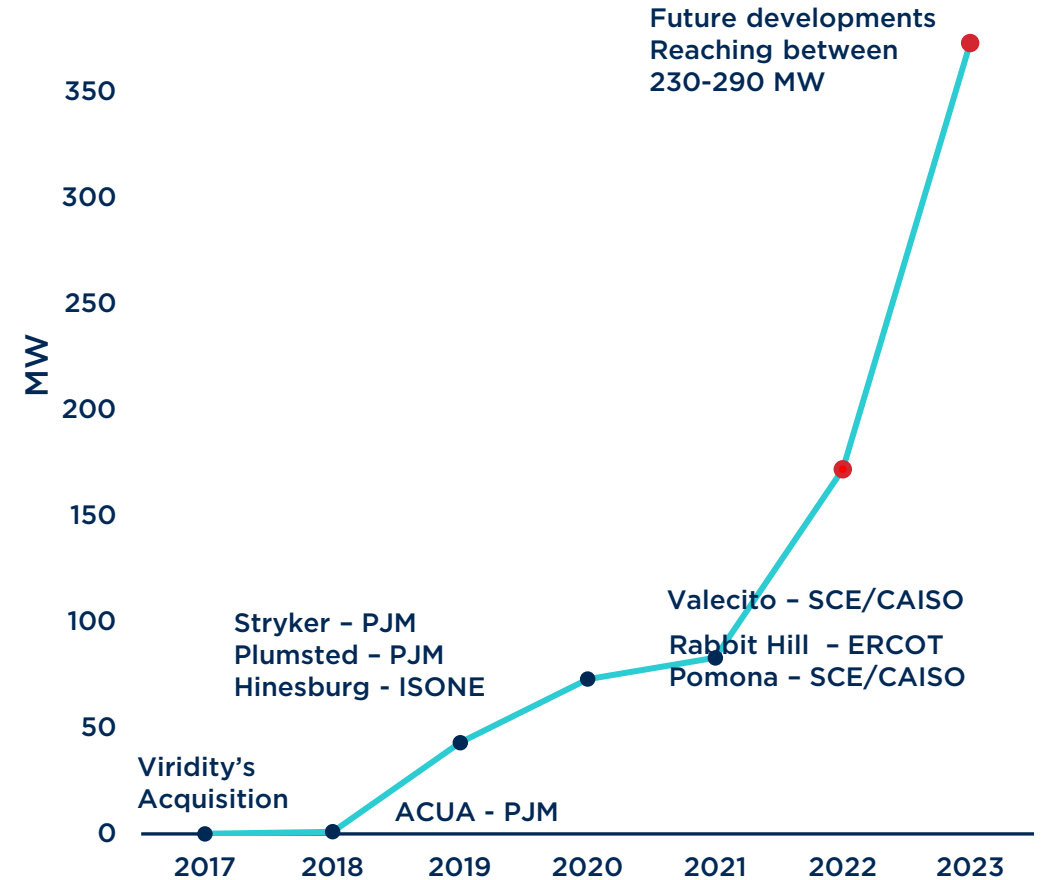
California, Texas, New York and PJM

Creating a diversified portfolio

Covering multiple regions, multiple applications and multiple business models

Increased scale could result in increased operating margins

Ormat energy storage development timeline



Ormat expects to reach 313 MW - 373 MW by 2023



ORMAT'S GROWTH DRIVERS



ROBUST GROWTH PLAN

Increase solar and geothermal capacity significantly

Accelerate storage capacity to establish leading position in the U.S. storage sector

YE 2023 portfolio target:

1.5 GW - 1.6 GW

Total expected MW growth vs 2021:

~ 40% - 45%

This growth plan is subject to obtaining all permits and regulatory approvals required as well as completing the development and construction of these power plants as planned.

2023 GROWTH TARGET BY SEGMENTS (VS 2021)



GEOHERMAL & SOLAR ENERGY

1,215 - 1,226 MW

203 - 214 MW

20%-21%



ENERGY STORAGE

**313 - 373 MW / 722 -
842 MWh**

230 - 290 MW

277%-349%

YE 2023 TARGET

MW ADDITION

MW GROWTH

Increase in MW growth is compared to a 1,012MW Geothermal & Solar portfolio and an 83 MW storage portfolio in YE 2021



GEOHERMAL
PROJECTS UNDER
DEVELOPMENT

GEOHERMAL
12 PROJECTS
137-148 MW⁽²⁾
BY 2023

Project	Projected Capacity (MW)	Expected COD	PPA
U.S - Heber Complex	11	Q1 2023	✓
U.S - CD4	30	H1 2022	✓
U.S - North Valley	25	End 2022/Early 2023	Under negotiation
U.S. - Puna expansion	8	H1 2024	✓ Subject to PUC
U.S - Dixie Meadows	12	End of 2022	✓
U.S. - Tungsten Mountain 2	11	H1 2022	✓
U.S. - Dixie Valley	4	End 2022	✓
Guatemala - Zunil	5	H2 2022	✓
Indonesia - Ijen	15 ⁽¹⁾	End 2023	✓
Guadeloupe- Bouillante	10	End 2023	Under negotiation
U.S. - North Valley Enhancement	5-10	H1 2023	Under negotiation
U.S - Beowawe Repowering	9-15	H1 2023	✓

(1) Ormat's share

(2) Excludes Puna which expected to come online in 2024



SOLAR ENERGY
PROJECTS UNDER
DEVELOPMENT

SOLAR
6 PROJECTS
66 MW AC
BY 2023

Project	Projected Capacity (MW)	Expected COD	PPA
U.S - Wister Solar	20 AC	H2 2022	✓
U.S. - Tungsten Solar 2	9 AC	2022	✓
U.S. - Brady Solar	6 AC	2022	✓
U.S. - Steamboat Solar	10 AC ⁽¹⁾	(half in 2022 and half 2023)	✓
U.S. - North Valley Solar	7 AC	H2 2023	✓
U.S. - McGinness Hills Solar	14 AC	H2 2023	✓

(1) 5 AC in 2022 and 5 AC in 2023



GEOTHERMAL PROSPECTS

GEOTHERMAL 41 PROSPECTS

Region	Location	# of sites
U.S.	Nevada	21
	California	4
	Oregon	2
	Utah	2
	New Mexico	1
CENTRAL AMERICA	Guatemala	2
	Honduras	1
AFRICA	Ethiopia	3
ASIA PACIFIC	New Zealand	1
	Indonesia	4



**ENERGY
STORAGE**
PROJECTS
UNDER
DEVELOPMENT

**ENERGY
STORAGE**
8 PROJECTS
189 MW

Project	Projected Capacity (MW)	Projected MWh	Expected COD	PPA
CA - Tierra Buena	5	20	Q1 2022	Capacity PPA and Merchant
TX - Upton	25	25	Q1 2022	Merchant
NJ - Andover	20	20	Q2 2022	Merchant
NJ - Howell	7	7	Q2 2022	Merchant
OH - Bowling Green	12	12	Q3 2022	Capacity PPA and Merchant
CA - Pomona 2	20	40	Q3 2022	Capacity PPA and Merchant
CA - Bottleneck	80	320	End 2023	Merchant
NJ - East Flemington	20	20	H1 2023	Merchant



**ENERGY
STORAGE
PIPELINE**

2.3 GW
potential capacity of
U.S. storage pipeline

32
named
prospects

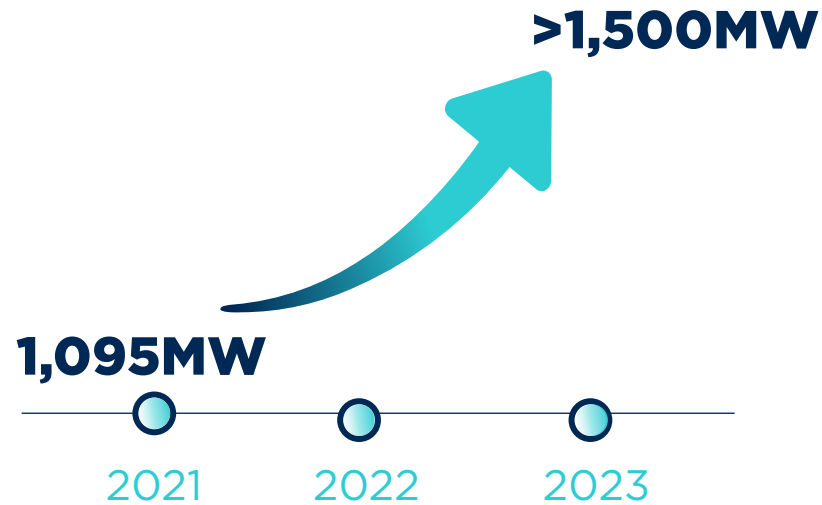
**230MW - 290MW/
546-666MWh**
expected addition
by YE 2023



GROWTH

TRANSITIONING TO ACCELERATED GROWTH IN STORAGE AND ELECTRICITY SEGMENTS

MW EXPECTATIONS



ADJUSTED EBITDA EXPECTATIONS



(1) For non -GAAP financial measures reconciliation please see the appendix slides

(2) Annual run-rate towards the end of 2023

KEY INVESTMENT HIGHLIGHTS

KEY INVESTMENT HIGHLIGHTS



**Strong financial
positioning**



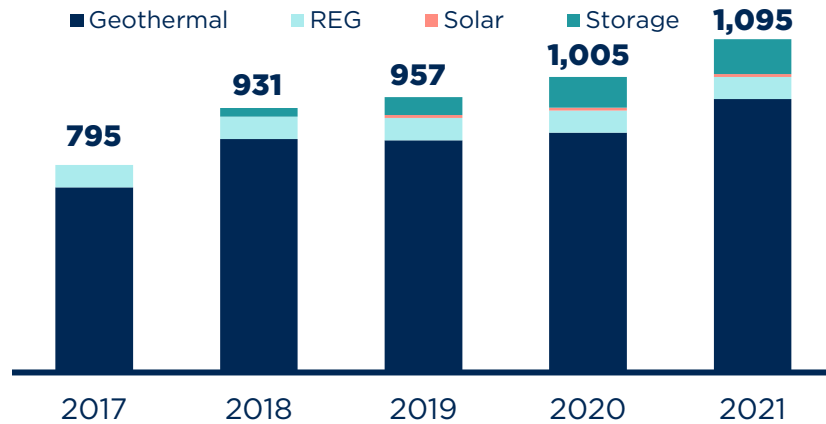
**Robust growth
potential**



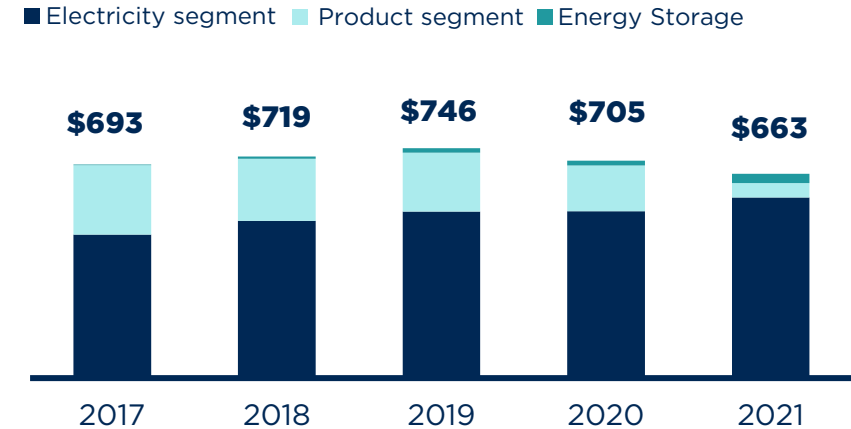
ESG

STRONG FINANCIAL POSITIONING

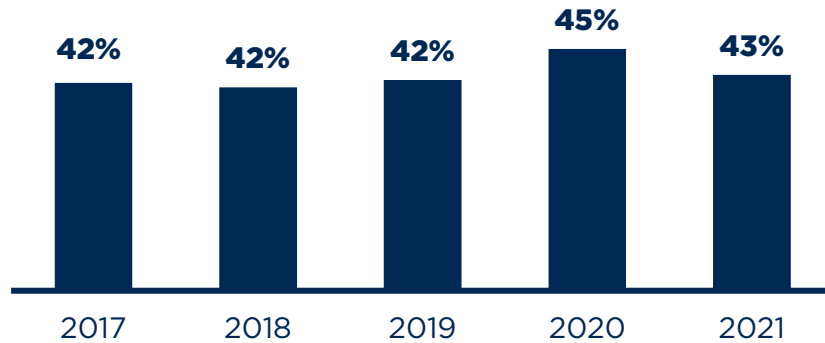
Installed capacity growth (MW)



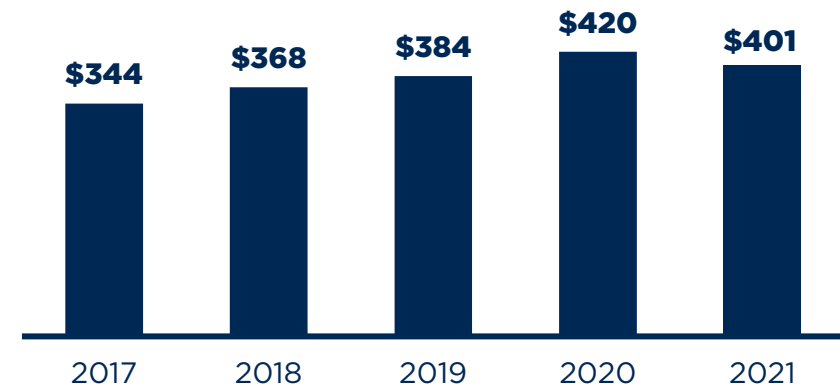
Revenue growth (\$m)



Electricity segment gross margin (%)

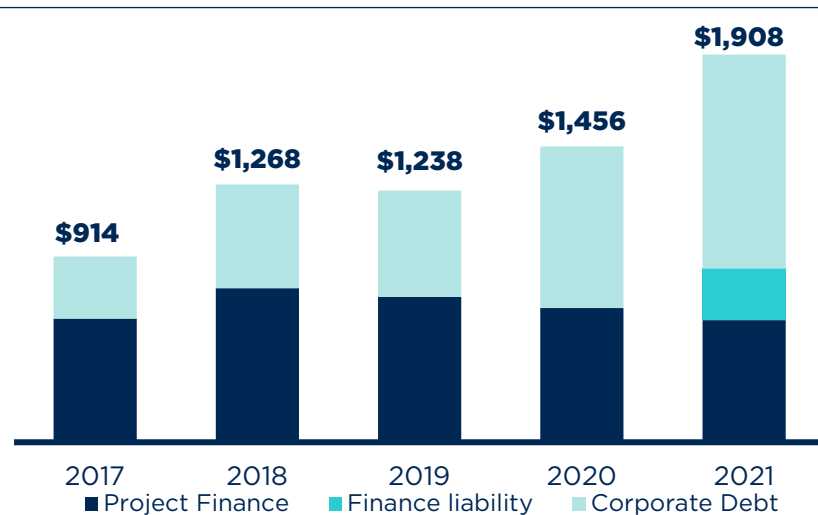


Adjusted EBITDA growth (\$m)

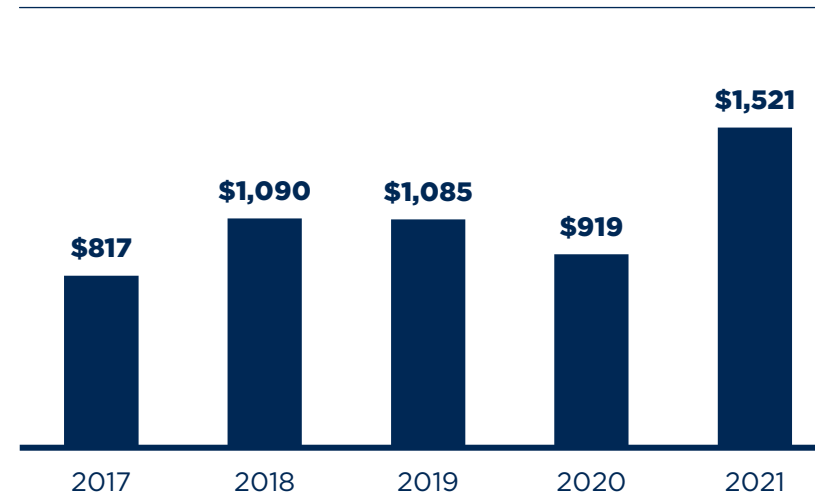


STRONG FINANCIAL POSITIONING

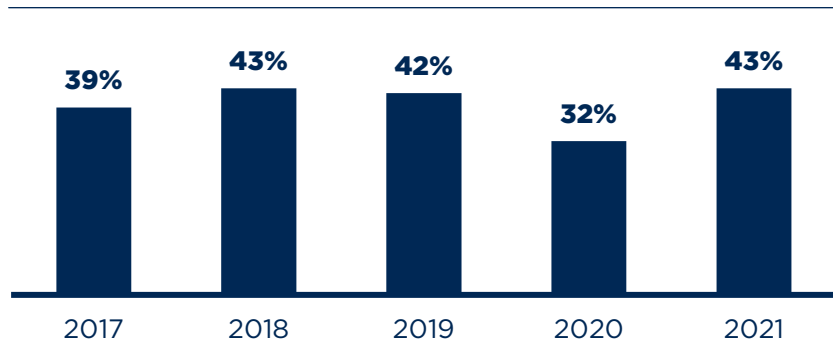
Total Debt (\$M)



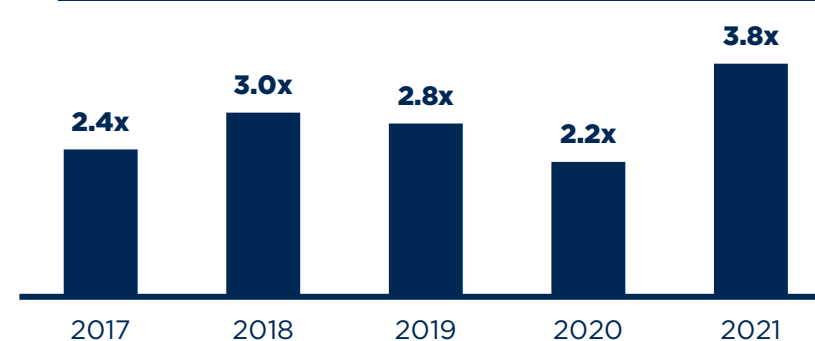
Net Debt (\$M)⁽¹⁾



Net Debt to Capitalization (Total Equity)⁽¹⁾



Net Debt to Adjusted EBITDA⁽¹⁾



(1) See appendixes for reconciliation of non-GAAP financial measures.



ENVIRONMENT

GOVERNANCE



SOCIAL

ESG INITIATIVES

We are moving to strengthen our ESG commitments

Building our approach and policy on significant valuable issues

- Water management
- Taxation
- Suppliers and procurement policy
- political communication

We issued corporate sustainability report, the third one by GRI standards and first one by SASB standards.

Reduced carbon footprint in Scope 1 and 2 by an absolute 29%

ATTRACTIVE INVESTMENT THESIS



Strong financial positioning

Consistent track record of strong returns for shareholders

Long-term contracted cash flows

Strong balance sheet and favorable leverage profile



Robust growth potential

Significant, consistent Domestic growth

International geothermal growth to displace existing fossil fuel generation

Robust growth in energy storage



ESG

Renewable asset growth in the U.S. supported by favorable regulatory dynamics

Pure-play renewables platform aligned with ESG principles

APPENDIX

KENYA UPDATE

Presidential task force

- Task force completed their review of all Independent Power Producer's PPAs
- Ormat's rates in Kenya are significantly lower than many other IPP's operating in the country

We remain committed to providing clean, renewable base load energy to Kenya and working with KPLC for many years to come



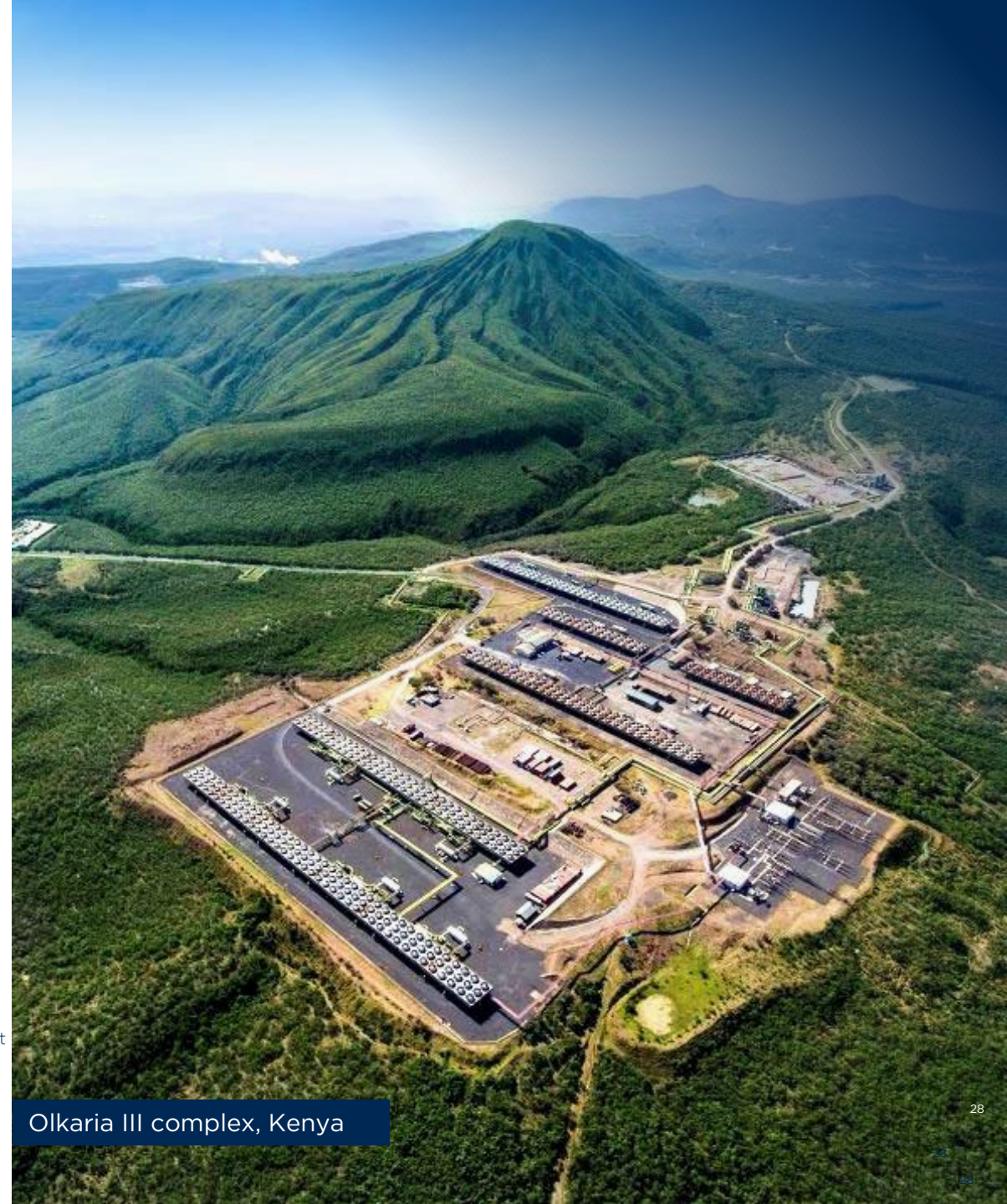
¹ Source - Presidential Taskforce on the Review of PPAs published on September 29, 2021

² Ormat's energy price adjusted for curtailments and force Majeure as communicated to the Kenya's government

³ Table 26 in the report

⁵ Average of June 2018, 2019, and 2020 prices for HFO plants - table 20 in the report

The above information is based on Ormat's review and understanding of the information provided in the September 29, 2021, Taskforce report.



Olkaria III complex, Kenya

OPERATIONAL CHALLENGES

Olkaria

- Power plant is generating 123MW due to lower performance of the resource
 - Resulting in lower gross profit by approx. \$3 million and approx. \$14 million in the fourth quarter and full year 2021, both compared to same periods in 2020, respectively
- Drilling campaign continues
 - Expected gradual increase to 135-140MW by end of 2022.

Bouillante Complex

- Due to limited injection availability as a result of scaling, the power plant was limited to 4.5 MW
 - Resulting in lower gross profit by approx. \$2 and approx. \$7 in the fourth quarter and full year 2021 , both compared to same periods in 2020, respectively
- Project is now back to normal operation

\$5M and \$21M total impact on gross margin in Q4 and full year 2021, respectively.



Olkaria III complex, Kenya

OPERATION UPDATE - PUNA

Nov. 2020

10 MW

Resumed operation

Year end 2021

25 MW

Stable capacity

Year end of 2022

Working to maximize long term capacity

PPA is subject to PUC approval

Current PPA prices in Puna are positively impacted by higher oil prices



Puna complex, Hawaii

RECONCILIATION OF EBITDA AND ADJUSTED EBITDA (CONT'D)

The following table reconciles net income to EBITDA and Adjusted EBITDA for the years ended December 31, 2021, 2020, 2019, 2018, and 2017.

	Year Ended December 31,				
	2021	2020	2019	2018	2017
	(Dollars in thousands)				
Net income	76,077	101,806	93,543	110,111	147,109
Adjusted for:					
Interest expense, net (including amortization of deferred financing costs)	80,534	76,236	78,869	69,950	53,154
Income tax provision	24,850	67,003	45,613	34,733	21,664
Adjustment to investment in an unconsolidated company: our proportionate share in interest expense, tax and depreciation and amortization in Sarulla	14,680	11,549	13,089	9,184	(265)
Depreciation and amortization	177,930	151,371	143,242	127,732	108,693
EBITDA	374,071	407,965	374,356	351,710	330,355
Mark-to-market gains or losses from accounting for derivative	741	(1,192)	(1,402)	2,032	(1,500)
Stock-based compensation	9,168	9,830	9,358	10,218	8,760
Reversal of a contingent liability	(418)	-	-	-	-
Insurance proceeds in excess of assets carrying value		-	-	(7,150)	-
Allowance for bad debts related to February power crisis in Texas	2,980				
Hedge losses resulting from February power crisis in Texas	9,133				
Loss from extinguishment of liability	-	-	468	-	1,950
Merger and acquisition transaction costs	5,635	2,279	1,483	2,910	2,460
Legal settlement expenses	-	1,277	-	-	-
Tender-related deposits write-off	134	-	-	-	-
Termination fee	-	-	-	4,973	-
Impairment of goodwill, net of reversal of a contingent liability	-	-	-	3,142	-
Write-off unsuccessful exploration activities	-	-	-	126	1,796
Adjusted EBITDA	401,444	420,159	384,263	367,961	343,821



RECONCILIATION OF EBITDA AND ADJUSTED EBITDA

(DOLLARS IN THOUSANDS)

	Three Months		Years	
	Ended Dec 31,		Ended Dec 31,	
	2021	2020	2021	2020
Net income	22,273	23,532	76,077	101,806
Adjusted for:				
Interest expense, net (including amortization of deferred financing costs)	22,252	18,891	80,534	76,236
Income tax provision (benefit)	15,524	21,728	24,850	67,003
Adjustment to investment in an unconsolidated company: our proportionate share in interest expense, tax and depreciation and amortization in Sarulla	6,427	1,278	14,680	11,549
Depreciation and amortization	47,427	39,643	177,930	151,371
EBITDA	113,905	105,072	374,071	407,965
mark to market on derivative instruments	(355)	420	741	(1,192)
Stock-based compensation	2,328	2,770	9,168	9,830
Reversal of a contingent liability	—	—	(418)	—
Allowance for bad debts related to February power crisis in Texas	—	—	2,980	—
Hedge Losses resulting from Feb power crisis in Texas	—	—	9,133	—
Merger and acquisition transaction costs	138	910	5,635	2,279
Legal settlement expense	—	—	—	1,277
Tender-related deposits write-off	—	—	134	—
Adjusted EBITDA	\$116,016	109,172	401,444	420,159

We calculate EBITDA as net income before interest, taxes, depreciation and amortization. We calculate Adjusted EBITDA as net income before interest, taxes, depreciation and amortization, adjusted for (i) mark-to-market gains or losses from accounting for derivatives, (ii) stock-based compensation, (iii) merger and acquisition transaction costs, (iv) gain or loss from extinguishment of liabilities, (v) cost related to a settlement agreement, and (vi) other unusual or non-recurring items. We adjust for these factors as they may be non-cash or unusual in nature and/or are not factors used by management for evaluating operating performance. We believe that presentation of this measure will enhance an investor's ability to evaluate our financial and operating performance. EBITDA and Adjusted EBITDA are not measurements of financial performance or liquidity under accounting principles generally accepted in the United States, or GAAP, and should not be considered as an alternative to cash flow from operating activities or as a measure of liquidity or an alternative to net earnings as indicators of our operating performance or any other measures of performance derived in accordance with U.S. GAAP. Our board of directors and senior management use EBITDA and Adjusted EBITDA to evaluate our financial performance. However, other companies in our industry may calculate EBITDA and Adjusted EBITDA differently than we do. This information should not be considered in isolation from, or as a substitute for, or superior to, measures of financial performance prepared in accordance with GAAP or other non-GAAP financial measures.

The table above reconciles net income to EBITDA and Adjusted EBITDA for the three-month and year ended December 31, 2021, and 2020.



RECONCILIATION OF NON-GAAP FINANCIAL MEASURES

	Year Ended December 31				
	2021	2020	2019	2018	2017
Cash and cash equivalents, marketable securities and Restricted cash (in millions \$)					
Cash and cash equivalents	239	448	71	99	48
Marketable Securities at fair value	43				
Restricted cash and cash equivalents and marketable securities	104	89	82	79	49
Total cash and cash equivalents and Restricted cash (in millions \$)	387	537	153	178	97
Total Debt (in millions \$)					
Current portion of long-term debt:					
Short term revolving credit lines with banks (full recourse)	0	0	41	159	52
Commercial paper	0	0	50	0	0
Limited and non-recourse	62	61	59	63	55
Full recourse	314	18	77	5	3
Finance liabilities	11	0	0	0	0
Total current portion of long-term debt:	386	79	226	227	109
Long-term debt, net of current portion:					
Limited and non-recourse	540	600	657	696	554
Full recourse	740	777	355	345	250
Finance liability	242	0	0	0	0
Total long-term debt, net of current portion:	1,521	1,377	1,012	1,041	804
Total Debt	1,908	1,456	1,238	1,268	914
Total Debt Breakdown (in millions \$):					
Limited and non-recourse	601	795	522	509	305
Full Recourse	1,054	661	716	759	609
Financial liability	253	0	0	0	0
Total Debt	1,908	1,456	1,238	1,268	914
Net Debt (in millions)	1,521	919	1,085	1,090	817
Total Equity	1,998	1,941	1,515	1,445	1,296
Net Debt to Capitalization (Total Equity) (%)	43%	32%	42%	43%	39%
Net Debt to Adjusted EBITDA					
Net Debt (in millions)	1,507	919	1,085	1,090	817
Adjusted EBITDA (in millions)	401	420	384	368	344
Net Debt to Adjusted EBITDA (x)	3.8	2.2	2.8	3.0	2.4

(1) Reflects LTM Adjusted EBITDA.

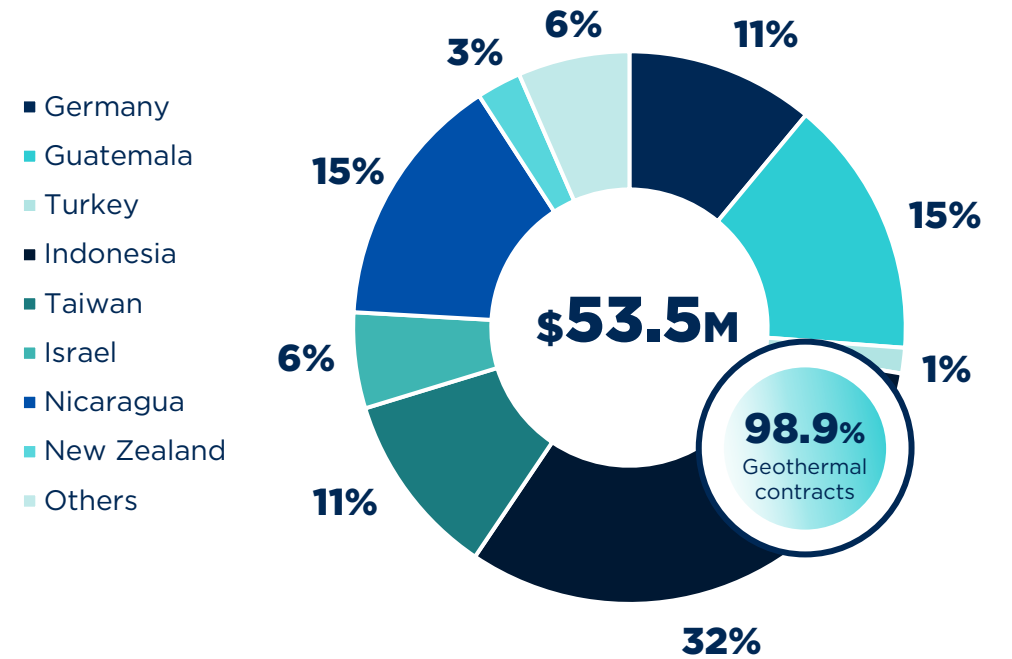


CAPEX FOR 2022

(\$M)	ACTUAL INVESTED IN 12 MONTHS 2021	TOTAL CAPEX FOR 2022
Electricity Segment	383	417
Construction & Enhancements - fully released	207	226
Development enhancement, drillings and Exploration	31	104
Puna restoration (including drilling)	32	29
Olkaria recovery, partially released for construction (including drilling)	26	16
Maintenance CapEx	87	42
Storage Segment	25	90
Product Segment	11	8
Total	\$419	515

PRODUCTS SEGMENT THIRD-PARTY BACKLOG⁽¹⁾

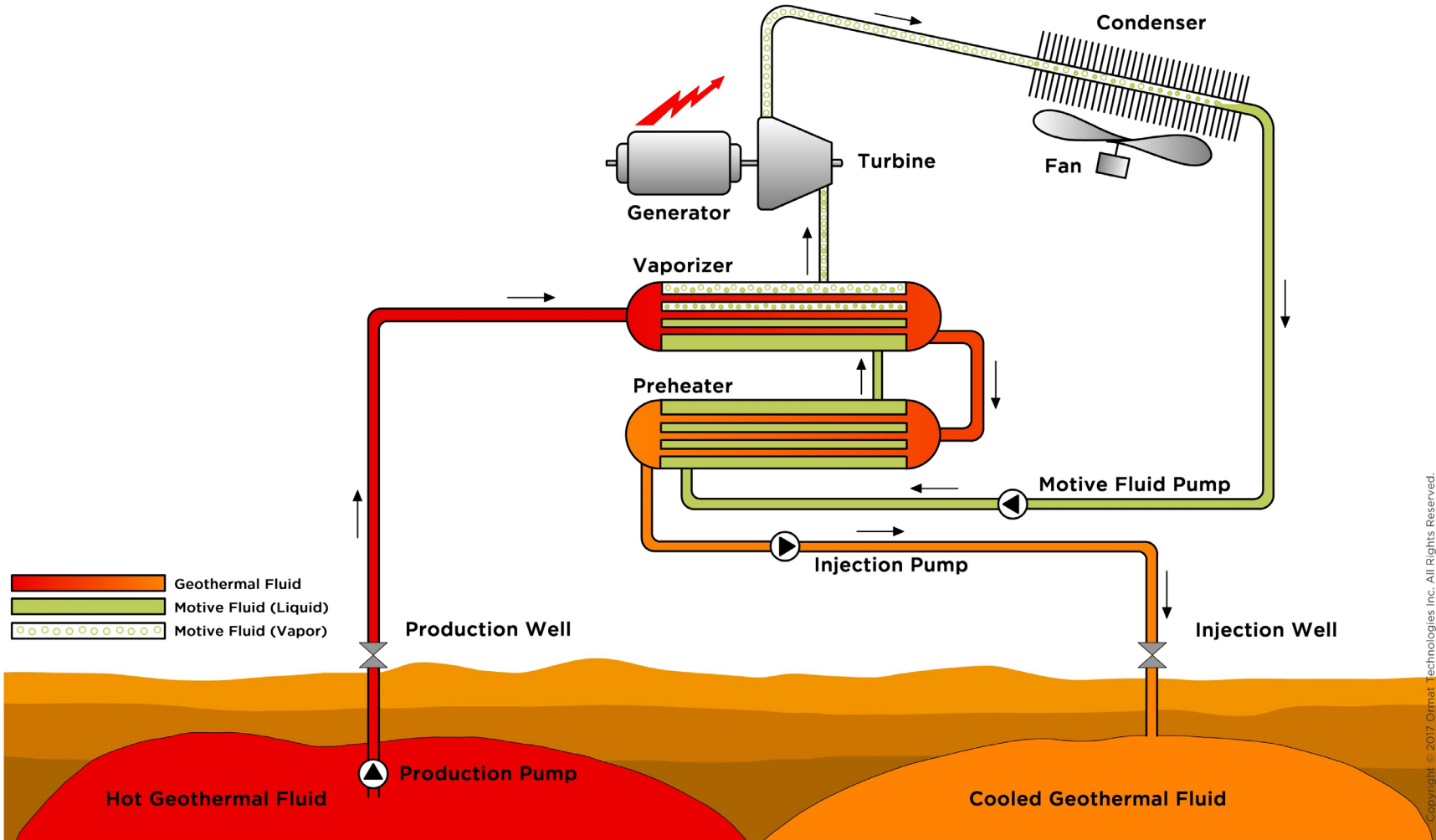
CONTRACTS GEOGRAPHIC BREAKDOWN



Backlog as of February 16, 2022. The backlog includes revenues for the period between January 1, 2022 and February 16, 2022;



AIR-COOLED BINARY GEOTHERMAL POWER PLANT



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