

FIRST QUARTER 2020

PRESENTATION

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- Q1 Results
- Silicon Gases & Semiconductor Market Outlook
- **Financial Review**
- US/China Trade Update
- **PV Market Outlook**
- Yulin JV Update
- **Battery Update**
- Short-Term Business Plan
- Q&A



Revenues:	\$24.7M	
EBITDA:	\$ 1.0M	

March 31, 2020 cash balance of \$30.2M

- Cash increase of \$0.8M
- Cash inflows from operations \$2.2M

Silicon gas sales

- Sales volume of 730MT (vs. guidance of 850MT)
- Average silane gas prices stable

Semiconductor segment polysilicon sales

- Semiconductor grade polysilicon sales volume of 85MT
- 14.0% Semiconductor grade polysilicon price increase vs. Q4'19

Decision to restart FBR production facility postponed

- Market uncertainty caused by COVID-19
- Uncertainty regarding implementation of Phase I Trade Agreement

Process to evaluate the sale of Butte, Montana plant

- Several interested parties
- Due diligence delayed due to COVID-19

Response to COVID-19

- Prioritize the health and safety of REC Silicon's workforce
- Focus on maintaining capability to continue operating





Polysilicon Sales Volume **			
Total	89MT		
Inventory Increase	151MT		

Total Polysilicon Production		
Actual	242MT	
Guidance*	280MT	
Deviation	-13.5%	

* Guidance Presented October 30, 2019

** Excludes Fines and Powders

Semiconductor Production			
Actual	168MT		
Guidance*	180MT		
Deviation	-6.9%		

Silicon Gases Sales Vol.			
Actual	730MT		
Guidance*	850MT		
Deviation	-14.1%		





Silicon Gases and Semiconductor

Technology is driving the Semiconductor Market Short-term uncertainty due to COVID-19

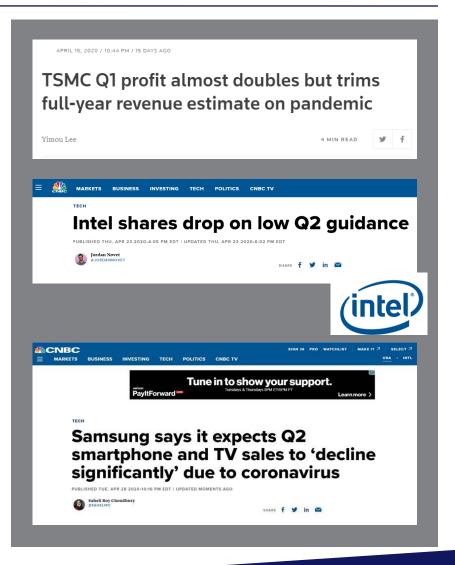
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Macro Trends

- 5G Mobility
- Internet of Things
- Artificial
 Intelligence
- Automotive automation and electrification
- Renewable energy and power control

Short-Term Uncertainty

- Global weakness triggered by COVID-19
- US/China Trade
- Flat Panel Display & market shift
- Chinese
 oversupply





REC Silicon - Leading Silane Gas Producer

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Silane Gas Cash Cost Supply Stack Company I Company H Loaded Silane Cost (\$/kg) Company G Company D Company F Company E Company A Company C Company B REC (US)

Available Capacity (MT)

Largest producer and distributor of Silane Gas Unmatched experience and safety record Recognized product quality and reliability

Infrastructure to protect market share

Large module fleet Secure distribution channels

Available capacity to support market growth

2018						
Company Sales (\$B) Share						
Samsung	\$82.9	16.1%				
Intel	\$70.2	13.6%				
SK Hynix	\$37.0	7.2%				
Micron	\$31.0	6.0%				
Broadcom (1)	\$18.5	3.6%				
Qualcomm (1)	\$16.5	3.2%				
Toshiba*	\$15.4	3.0%				
ті	\$15.0	2.9%				
Nvidia (1)	\$12.3	2.4%				
ST	\$9.6	1.9%				
_	\$308.2	60.0%				
-	\$514.0	100.0%				

REC as the Major Supplier

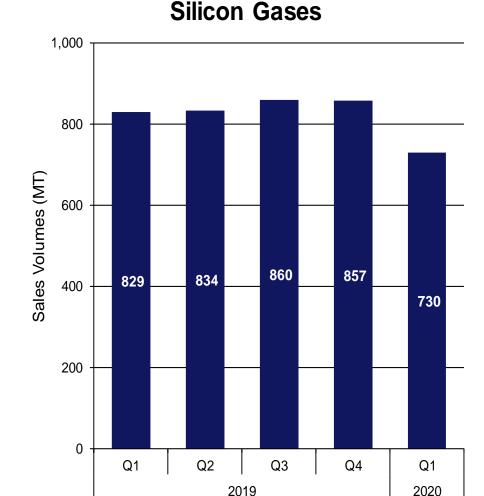
Source: IC Insights (1) Fabless *Includes Toshiba Memory



Q1 2020 Silicon Gas Sales marginally lower

China silane market down due to COVID-19



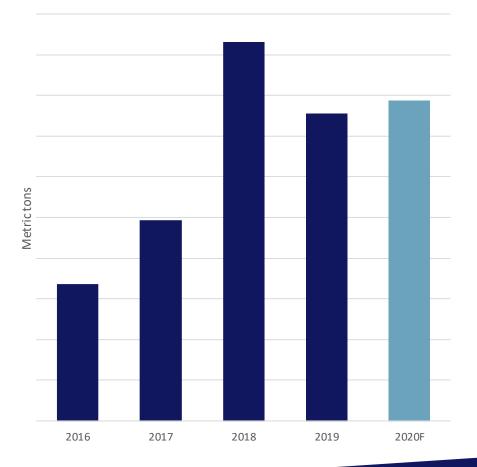


> Silicon gas sales volumes

- Q1'20 730MT vs. 850MT guided
- Lower shipments due to COVID-19
 - Due primarily to quarantine mandates imposed by Chine in January 2020
 - Customer orders delayed to control inventory levels
- Market recovery expected, timing uncertain
 - Uncertainty due to COVID-19
 - Duty on US silane when exported to China

- Semiconductor grade polysilicon sales
 - 2019 713MT
 - 2020 800MT
- > Market recovery expected, timing uncertain
 - Uncertainty due to COVID-19
 - Duty on US polysilicon when exported to China
- > Focus on high end Float Zone polysilicon
 - 2 Producers of Float Zone
 - Product mix optimized for highest value creation







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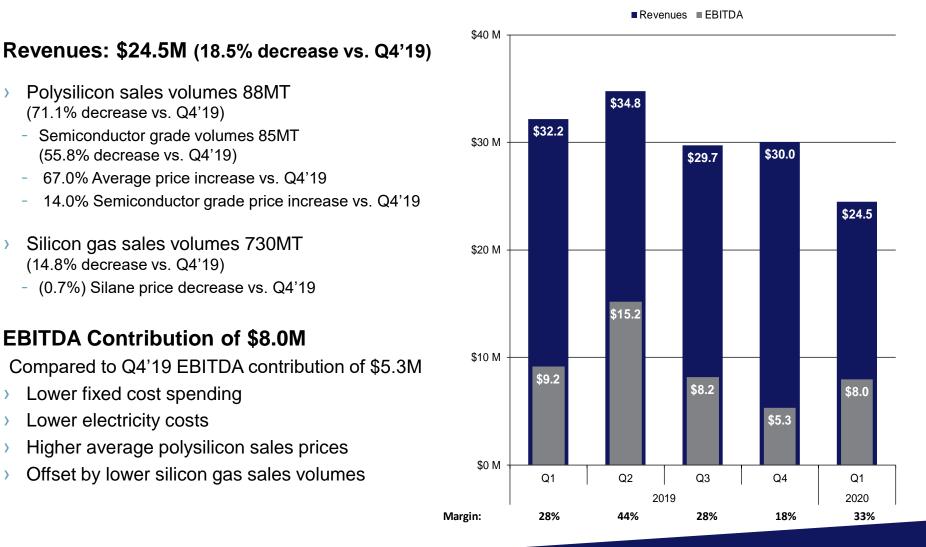




(USD million)	Q1 2	.020	Q1 2	019	202	19
	Revenues	EBITDA	Revenues	EBITDA	Revenues	EBITDA
Semiconductor Materials	24.5	8.0	32.2	9.2	126.7	37.8
Solar Materials	0.2	(2.8)	12.9	(7.4)	33.4	(26.6)
Other	0.0	(4.1)	-	(6.5)	0.0	(24.1)
Eliminations			0.0	0.0	0.0	0.0
REC Silicon Group	24.7	1.0	45.0	(4.7)	160.2	(12.9)



Key Financial Results – Semiconductor Materials



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Key Financial Results – Solar Materials and Other

Solar Materials

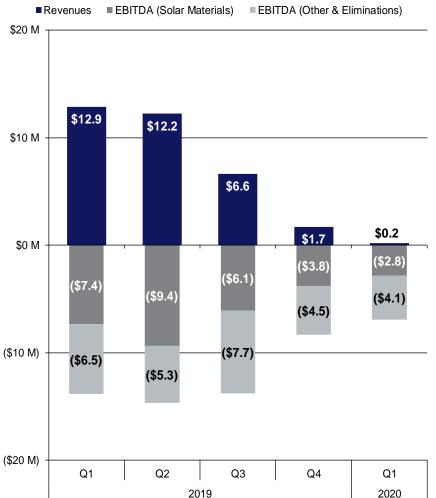
Revenues: \$0.2M EBITDA Contribution: (\$2.8M) Loss

- Polysilicon sales volumes 1MT
 - Sales of remaining inventories only
- Net Expense of \$2.8M reflects successful efforts to decrease spending rates to maintain liquidity

Other and Eliminations

- > Net cost: (\$4.1M) (compared to \$4.5M in Q4'19)
 - Lower net expense due primarily to timing of expenses







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Cash Flows

Cash inflows from operating activities \$2.2M

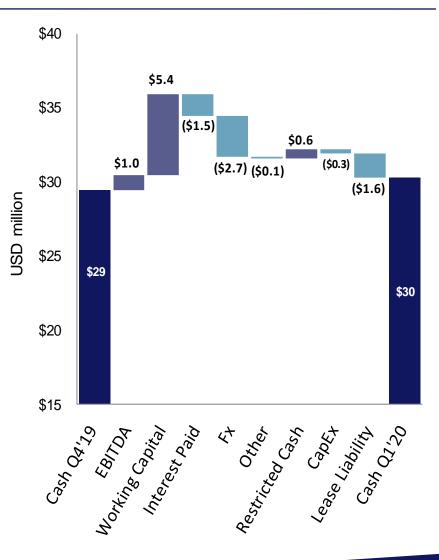
- > EBITDA of \$1.0M
- > Working capital decrease \$5.4M
 - Increase in inventories (\$5.2M)
 - Decrease in trade receivables \$7.0M
 - Increase in payables and accruals \$3.6M
- > Interest paid (\$1.5M)
- > Currency loss of (\$2.7M) (Stronger USD vs. NOK)
- > Other (\$0.1M)

Cash inflows from investing activities \$0.3M

- > Capex (\$0.3M)
- > Decrease in restricted cash \$0.6M

Cash outflows from financing activities (\$1.6M)

Payment of lease liabilities (\$1.6M)





Debt

Nominal debt - \$176.0M

- > Decrease of \$5.4M in Q1'20
 - \$1.6M Decrease in Lease Liabilities (IFRS 16)
 - \$3.7M Due to stronger USD relative to NOK

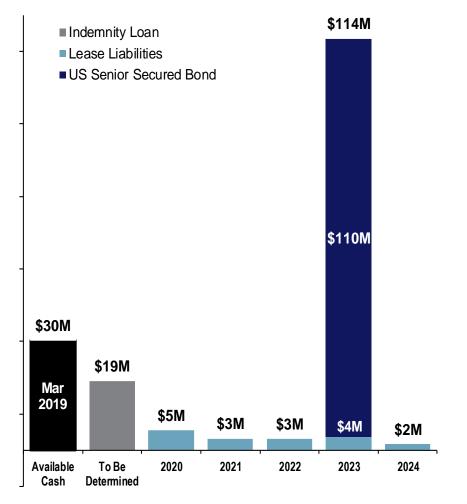
Nominal net debt - \$145.7M

- > Decrease of \$6.3M in Q1'20
 - Increase in cash of \$0.8M
 - Decrease in nominal debt of \$5.4M

Contingent Liabilities

- > Reassessment of tax \$20.3M
- Indemnity loan \$19.0M
- > 2012 Property tax appeal \$8.0M

USD Million





U.S. / China Trade Update

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Phase 1 Trade Deal Boopons China Market for US Solar Grade Bo

Reopens China Market for US Solar Grade Polysilicon

- China committed to purchase US-made polysilicon in Phase 1 US/China Trade Deal
 - Commitments contained in non-public annexes
- COVID-19 delaying execution of the Phase 1 Trade Deal
- Long Term Impact: China market is open to US Solar Grade Polysilicon without tariffs
- > Section 301 and other US leverage available for enforcement
- > US Government recognition of strategic importance of US Polysilicon

ECONOMIC AND TRADE AGREEMENT BETWEEN THE UNITED STATES OF AMERICA AND THE PEOPLE'S REPUBLIC OF CHINA FACT SHEET

EXPANDING TRADE

The Phase One economic and trade agreement signed by the United States and China on January 15, 2020, commits China to undertake structural changes to open up its economy and improve its trade regime. It is expected that these changes and other trade liberalization being pursued by China will lead to improved trade flows benefiting China's trade partners, especially the United States. China is facing increased consumer demand from its growing middle class for high-quality imports of goods and services, which the United States is able to produce and supply at competitive prices.

Consistent with the two sides' projections, China is committing that over the next two years it will import no less than \$200 billion of U.S. goods and services **on top of** the amounts that it imported in 2017 in four broad categories:

- China's imports of U.S. manufactured goods, such as industrial machinery, electrical equipment, pharmaceutical products, aircraft, vehicles, optical and medical instruments, iron and steel, solar-grade polysilicon, hardwood lumber, and chemical products, among other goods, will total at least \$120.0 billion in 2020 and at least \$131.9 billion in 2021.
- China's imports of U.S. agricultural products, such as soybeans, cotton, grains, meats, ethanol, seafood, and the full range of other agricultural products will total at least \$80 billion over the next two years. China will also strive to purchase an additional \$5 billion of agricultural products annually.



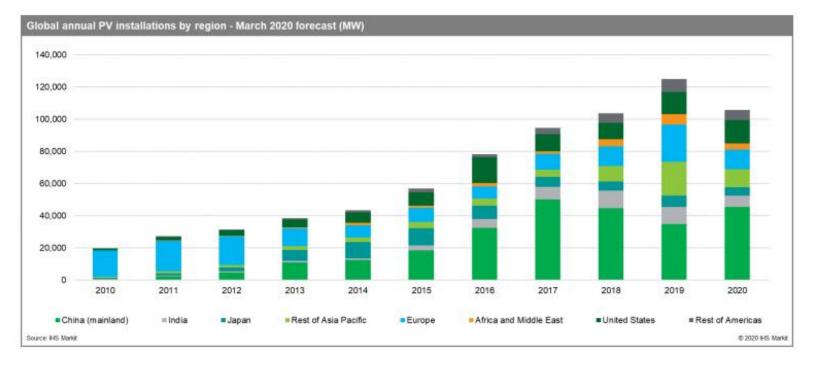


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PV Market Outlook

- > 2020 PV installation ~105GW
 - 20GW lower compared to 2019
- The demand outside of China may decline from ~85GW in 2019 to ~55GW in 2020 due to the effect of COVID-19
- > China may increase installations from ~30GW in 2019 to ~50GW in 2020 to stimulate the demand
- > China has become gradually more dependent on the global market for their PV industry



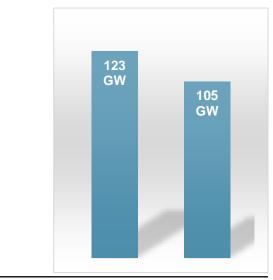
Source: IHS Markit, March 2020



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2020 Global Polysilicon Market may decline ~15% from 2019 2020

- Polysilicon 2020 demand will probably
 be ~ 75kMT lower than in 2019
- > Major overcapacity in the PV value chain
 - Mainly affects China which dominates the PV manufacturing industry
- Polysilicon Production adjustments
 2020
 - Non-Chinese company production (~50kMT) permanently curtailed February 2020
 - Non-Chinese company indicated 30% reduced production (~20kMT) May 2020
 - Chinese companies announced extended maintenance May 2020



(kMT)	2019	2020
PV	465	390
Semi	38	40
Total	503	430
g/w	3.8	3.7

Source: CSIA and REC Market Research, - APRIL 2020



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Polysilicon Market may not be in balance until 2022

- China may stimulate domestic PV installations to relieve pressure on its PV manufacturing industry
- > 2022 demand ~150GW
 - 525kMT Polysilicon
 - Restart of idle and cost competitive capacity
- > Chinese companies continue to announce new expansions
 - New investments will require \$15/kg polysilicon price without subsidized funding



Source: REC Market Research, - APRIL 2020



FIRST QUARTER Dependent on Phase 1 Agreement and Market Outlook

- > 2022 Installation ~150 GW
 - Polysilicon ~525 kMT
- 2022 Polysilicon capacity support ~150 GW
 - Production 2020 ~390 kMT
 - Idle capacity ~85 kMT
 - New capacity ~60 kMT
- High cost/low quality Chinese producers to halt production
- A consolidated market with a limited number of polysilicon companies

Company	PV Production 2020	Restarted PV Production 2022	Added PV Capacity 2022	Total PV Capacity 2022
East Hope	30	10	30	70
Tongwei	75	5	30	110
Daqo	65	5		70
Xinte	65	5		70
GCL	55	25		80
Other Chinese	30	0	0	30
Total China	320	50	60	430
REC Silicon US	0	18		18
Other Outside China	70	17		87
TOTAL	390	85	60	535

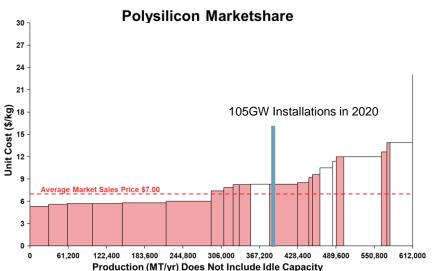
Source: CSIA and REC Market Research, – APRIL 2020



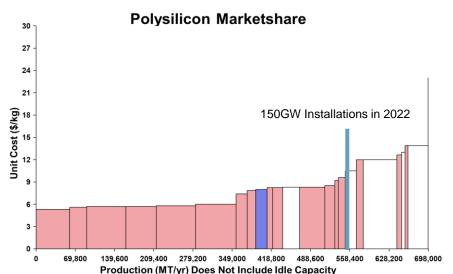
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REC Silicon's FBR Plant in Moses Lake Cost Competitive

Very low CO₂ emission due to superior technology and hydroelectric power



- 2020 105GW installation demand requires 390kMT
- China polysilicon import assumed to be 70kMT due to cost, quality & low CO₂ requirements from non-Chinese customers
- High cost, low quality, & high CO₂ polysilicon plants will continue to shutdown

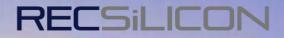


- 2022 150GW installation demand requires 525kMT
- China polysilicon import assumed to be ~105kMT due to cost, quality & low CO₂ requirements from non-Chinese customers



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Yulin JV Update



Yulin, China – REC Silicon Presence in Primary Market 2020

Plant characteristics

- > Construction completed in 2018
- > Large scale silicon manufacturing facility with
 - 19,000MT FBR-B granular Polysilicon
 - 300MT Siemens semiconductor grade Polysilicon
 - 500MT Silane Gas loading

Positioned to capitalize on growing PV industry

- > Located in principal market China
- FBR-B is semiconductor grade capable which is optimal for monocrystalline PV applications
- Current REC ownership of 15%, option to increase exposure to 49% from January 2021

Near Term Outlook

- Q1 Production
 - 22MT of Loaded Silane
 - 1,618MT of FBR
 - 22MT of Siemens
- > High quality FBR production
- Q1 FBR production reduced from plan due to insufficient raw materials and COVID-19 related impacts.



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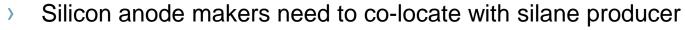




Battery Update

Strong Silane Interest from Anode Makers

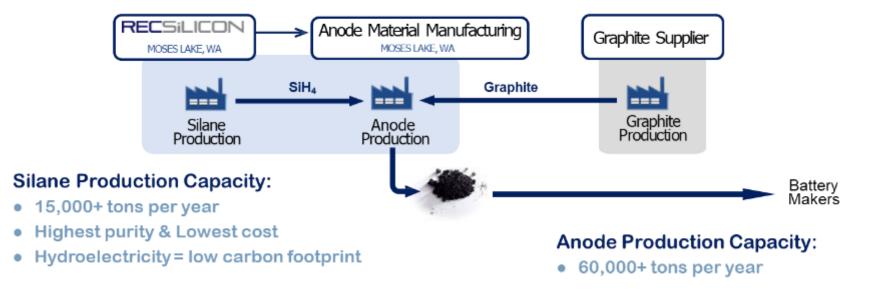
Adding 25% silicon to graphite increases capacity 4x



- Resolves logistical challenges for large quantities of silane gas
- Strong Interest from several companies to start pilot testing
 - Will take time before industrial scale



• 45,000+ tons per year





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2020 Business Plan for REC Silicon



- Continue to operate stable and profitable Butte facility
- > Restart of the Moses Lake FBR plant postponed
 - Verify compliance by China with Phase 1 Trade Agreement commitments
 - Monitor PV market development
 - Moses Lake restart will require additional capital
- Divestment of the Butte facility if an acceptable offer is received
 - Interested parties' due diligence delayed due to COVID-19
- > Continued support from REC Silicon to Yulin JV
- > Continue dialog with silicon anode battery companies for pilot testing and industrial scale production of silicon anode materials











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