### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### **SCHEDULE 14A**

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

Filed by the Registrant

Filed by a Party other than the Registrant  $\Box$ 

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to §240.14a-12

### **EXXON MOBIL CORPORATION**

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

- No fee required.
- $\Box$  Fee computed on table below per Exchange Act Rules 14a-6(i)(4) and 0-11.
  - (1) Title of each class of securities to which transaction applies:
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  - (3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):
  - (4) Proposed maximum aggregate value of transaction:
  - (5) Total fee paid:

□ Fee paid previously with preliminary materials.

 $\Box$  Check box if any part of the fee is offset as provided by Exchange Act Rule 0-11(a)(2) and identify the filing for which the offsetting fee was paid previously. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

(1) Amount Previously Paid:

- (2) Form, Schedule or Registration Statement No.:
- (3) Filing Party:

(4) Date Filed:

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### CAUTIONARY STATEMENT

- Statements of future events or conditions in this presentation or the subsequent discussion period are forward-looking statements. Actual future results, including financial and operating performance; demand growth and mic; the impacts of the COVID-19 pandemic and current industry oversupply conditions on ExoanMobil's business and results; price and margin recovery; planned capital and operating expense reductions and deficiencies; future cash flows, dividends, cash and debt balances, and capital allocation; corporate and financial reporting expense reductions and deficiencies; future cash flows, dividends, cash and debt balances, and capital allocation; corporate and financial reporting expense reductions and the impact of technology, including impacts on capital efficiency, production ands; renchouse gas emissions, could differ materially due to a number of factors including global or regional changes in oil, gas, petrochemical plotiency, production and greenhouse gas emissions, could differ materially due to a number of factors including global economics and markets; the severity, length and ultimate impact of COVID-19 on people and economics and the timing and pace of regional and global economic recovery; the ability to access short-and long-term debt markets on a timely and affordable basis; the ability to relize efficiencies within and across our business lines and to maintain to the maintain the functioning of national and global economic recovery; the ability to realize efficiency positioning; the impact of company actions to protect the health and safety of employees, vendors, customers, and communities; reservoir performance; the outcome and timing of exploration and development projects; timely completion of construction projects; ward on the security disturbances, including shipping blockades or harassment; political factors including changes in local, national, or international policies affecting our business, or changes in law or government regulation, including trade sanctions, tax and enviro
- Forward-looking statements in this release regarding project timing, returns, and results; targeted capital and operating expense reductions; market strategies; capital allocation; and other future plans, targets or key milestones refer to plans outlined in ExconMobil's press release dated April 7, 2020 and subsequent public disclosures including our first quarter earnings press release and conference call on May 1, 2020 and annual shareholders' meeting on May 27, 2020. Forward-looking statements contained in our Investor Day held on March 5, 2020 were based on different capital plans prior to the impacts of the COVID-19 pandemic, governments' responses to the pandemic, and other market factors on ExconMobil's business. These forward-looking statements from Investor Day should not be relied upon to represent ExconMobil's future business plans or results of operations. Updates on the timing of some projects have been provided, but are not meant to represent a complete view of all projects where timing, or other market factors. All forward-looking statements, including project timing, may be further impacted by the continuation of the COVID-19 pandemic, or other market factors.

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Reconciliations and definitions of non-GAAP measures and other terms are provided in the text or in the supplemental information accompanying these slides.

### Ex<sub>c</sub>onMobil

# CAPABILITY ASSESSMENT FOR TECHNOLOGY: OBJECTIVE

Assess technology capabilities (people, equipment, labs, tools, approaches) within the discovery / development / deployment / improvement / sustainment pipeline across ExxonMobil

Expert panels provide input:

- · Where new capabilities are required
- · Where and how capabilities should be strengthened
- What can be de-emphasized or accomplished another way
- Where there are opportunities for improved effectiveness or efficiency

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# **BUSINESS BRIEFINGS** FOR PANELISTS

•	Video recordings:		
	Introduction	Rob Crane	Process Technology Manager, EMRE*
	Energy Outlook	Vijay Swarup	VP, Research & Development, EMRE
	Upstream Business Objectives	Michael Deal	VP, Upstream Research, Technology and Development, $UIS^\star$
	Fuels Value Chain Business Objectives	Richard Senior	VP, Fuels, Process & Optimization Technology, EMRE
	Lubes Value Chain Business Objectives	Mike Kerby	VP, Lubricants Technology, EMRE
	Chemical Business Objectives	Dave McConville	VP, Chemical Technology, EMCC*
	Corporate Objectives	Vijay Swarup	VP, Research & Development, EMRE
	Org Overview and History of Innovation	Vijay Swarup	VP, Research & Development, EMRE
	Summary and Next Steps	Rob Crane	Process Technology Manager, EMRE

Live Q&A Sessions (90 min each): Feb 19, Mar 8, Mar 30

\*EMRE = ExxonMobil Research & Engineering \*UIS = Upstream Integrated Solutions \*EMCC = ExxonMobil Chemical Company

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Important information and assumptions regarding certain forward-looking statements. Forward-looking statements contained in this presentation are not forecasts of actual future results. These figures are provided to help quantify the potential future results and goals of currently-contemplated management plans and objectives including new project investments, plans to grow Upstream production volumes, plans to increase sales in our Downstream and Chemical segments and to shift our Downstream product mix toward higher-value products, continued highgrading of ExxonMobil's portfolio through our ongoing asset management program, initiatives to improve efficiencies and reduce costs, capital expenditures and cash management, and other efforts within management's control to impact future results as discussed in this presentation. These figures are intended to quantify for illustrative purposes management's view of the potentials for these efforts over the time periods shown, calculated on a basis consistent with our internal modelling assumptions for factors such as working capital, as well as factors management does not control, such as interest, differentials, and exchange rates.

For all price point comparisons, unless otherwise indicated, we assume \$60/bbl Brent crude prices and \$3.00/mbtu Henry Hub for natural gas prices, which reflect five year historical averages. Unless otherwise specified, crude prices are Brent prices. Except where noted as solely Henry Hub, for natural gas we have used management's internal price assumptions for the relevant natural gas markets. All crude and natural gas prices for future years are adjusted for inflation from 2019.

Downstream and Chemical margins reflect five year historical averages from 2015 to 2019.

These prices are not intended to reflect management's forecasts for future prices or the prices we use for internal planning purposes.

We have assumed that other factors such as laws and regulations, including tax and environmental laws, and fiscal regimes remain consistent with current conditions for the relevant periods. This presentation does not attempt to model potential coronavirus effects. Unless otherwise indicated, asset sales and proceeds are consistent with our internal planning.

See the Cautionary Statement at the front of this presentation for additional information regarding forward-looking statements..

Non-GAAP and other measures. With respect to historical periods, reconciliation information for non-GAAP measures is included with the relevant definition below or as noted below in the Frequently Used Terms available on the Investors page of our website at www.exxonmobil.com. For future periods, we are unable to provide a reconciliation of forward-looking non-GAAP measures to the most comparable GAAP financial measures because the information needed to reconcile these measures is dependent on future events, many of which are outside management's control as described above. Additionally, estimating such GAAP measures and providing a meaningful reconciliation consistent with our accounting policies for future periods is extremely difficult and requires a level of precision that is unavailable for these future periods and cannot be accomplished without unreasonable effort. Forward-looking non-GAAP measures are estimated in a manner consistent with the relevant definitions and assumptions noted above.

#### Definitions and non-GAAP financial measure reconciliations

Base assets. Base assets means all Upstream producing assets excluding Permian, Bakken, Guyana, LNG growth projects, and exploration activities.

**Cash Operating Costs**. Cash operating costs consist of (1) Production and manufacturing expenses, (2) Selling, general and administrative expenses, and (3) Exploration expenses, including dry holes from ExxonMobil's consolidated statement of income. The sums of these income statement lines serve as an indication of cash operating costs and do not reflect the total cash operating costs of the Corporation. This measure is useful in understanding the Corporation's efforts to conserve cash on hand while progressing planned projects.

**Divestments**. Divestments represent the unadjusted sale price specified in the applicable contract of sale as of the effective date for asset divestiture agreements which the corporation or one of its affiliates has executed since January 1, 2019. Actual final sale price and cash proceeds may differ in amount and timing from the divestment value depending on applicable contract terms.

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**Moody's Debt / Book Capitalization.** For historical periods, Debt / Book Capitalization is sourced as of third quarter 2019 from Moody's Investors Service and calculated using Moody's standard adjustments. Year-end 2019 and projected future potential for ExxonMobil based on a consistent methodology.

**Performance product.** Refers to Chemical products that provide differentiated performance for multiple applications through enhanced properties versus commodity alternatives and bring significant additional value to customers and end-users.

Processability. Processability refers to throughput (kg/h) for polyethylene.

**Project.** The term "project" as used in this presentation can refer to a variety of different activities and does not necessarily have the same meaning as in any government payment transparency reports.

Properties. Properties refers to film strength measurements for polyethylene.

Resources, resource base, and recoverable resources. These and similar terms refer to the total remaining estimated quantities of oil and natural gas that are expected to be ultimately recoverable. ExxonMobil refers to new discoveries and acquisitions of discovered resources as resource additions. The resource base includes quantities of oil and natural gas classified as proved reserves, as well as quantities that are not yet classified as proved reserves but that are expected to be ultimately recoverable. The term "resource base" or similar terms are not intended to correspond to SEC definitions such as "probable" or "possible" reserves. "Potential" resource amounts are not currently included in the resource base.

**Returns, investment returns, project returns.** Unless referring specifically to ROCE or external data, references to returns, investment returns, project returns, and similar terms mean discounted cash flow returns based on current company estimates. Future investment returns exclude prior exploration and acquisition costs.

Other information All references to production rates and project capacity are on a gross basis, unless otherwise noted. References to resource size are on a net basis, unless otherwise noted.

This presentation refers to ExxonMobil's 2019 Outlook for Energy. The Outlook for Energy includes ExxonMobil's internal This presentation refers to ExxonMobil's 2019 Outlook for Energy. The Outlook for Energy includes ExxonMobil's internal estimates of both historical levels and projections of challenging topics such as energy demand, supply and trends through 2040 based on internal data and analyses as well as publicly available information from many external sources including the International Energy Agency. Separate from ExxonMobil's analysis, the Outlook for Energy includes a number of third party scenarios such as the EMF 27 scenarios and the IEA's Sustainable Development Scenario. These third party scenarios reflect the modeling assumptions and outputs of their respective authors, not ExxonMobil, and their use and inclusion herein is not an endorsement by ExxonMobil of their likelihood or probability. Work on the 2019 Outlook for Energy was conducted during 2018 and the first half of 2019. We have not taken any steps and assume no duty to update this analysis as of any future date and neither further distribution of this material nor the continued availability of this material in archive form on our website should be deemed to constitute an undate or re-affirmation of this analysis as of any future date. should be deemed to constitute an update or re-affirmation of this analysis as of any future date.

The Human Development Index (HDI) vs. Energy Consumption chart on page 11 displays a subset of data contained on page 6 of the Outlook for Energy. Not all countries are represented on the chart. Given the x-axis is a logarithmic scale, there may be visual variances from the 2019 Outlook for Energy.

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#### Other information, continued

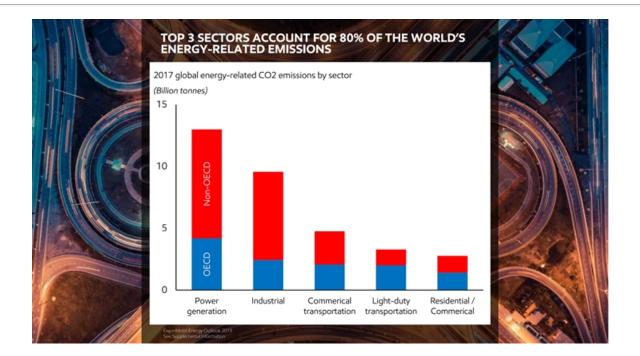
ExxonMobil has business relationships with thousands of customers, suppliers, governments, and others. For convenience and simplicity, words such as venture, joint venture, partnership, co-venturer, operated by others, and partner are used to indicate business and other relationships involving common activities and interests, and those words may not indicate precise legal relationships.

Competitor data is based on publicly available information and, where estimated or derived (e.g., ROCE), done so on a consistent basis with ExxonMobil data. Future competitor data, unless otherwise noted, is taken from publicly available statements or disclosures by that competitor and has not been independently verified by ExxonMobil or any third party. We note that certain competitors report financial information under accounting standards other than U.S. GAAP (i.e., IFRS).

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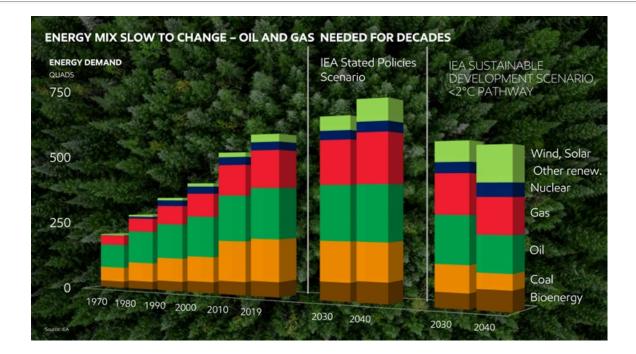


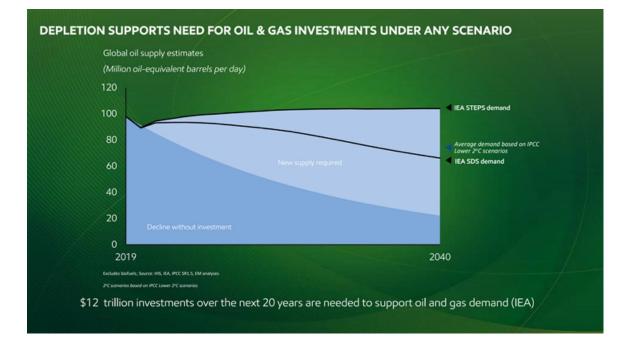












### ADDRESSING THE DUAL CHALLENGE



MITIGATING EMISSIONS IN COMPANY OPERATIONS



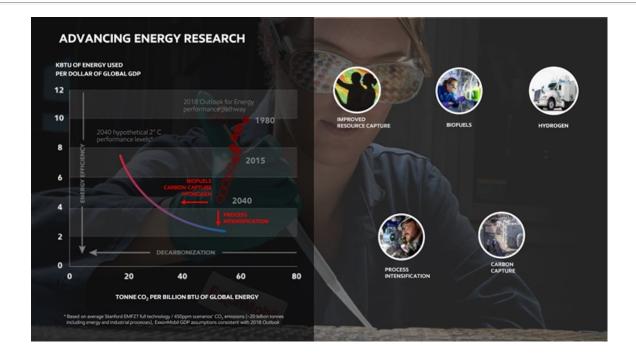
PROVIDE PRODUCTS TO HELP OUR CUSTOMERS REDUCE THEIR EMISSIONS

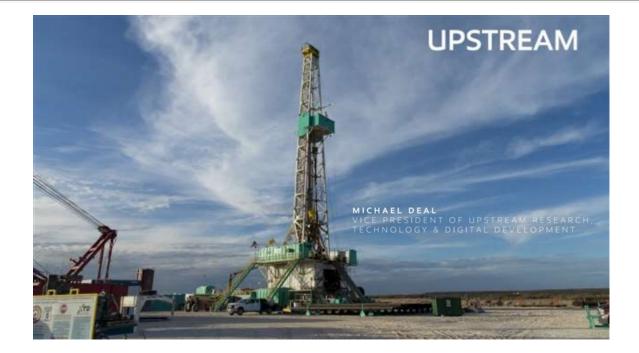


PROACTIVELY ENGAGING ON CLIMATE-RELATED POLICY



DEVELOP AND DEPLOY SCALABLE TECHNOLOGY SOLUTIONS





# **EXXONMOBIL CORPORATION**



# INDUSTRIES WHERE EXXONMOBIL **DELIVERS SOLUTIONS**



### SAFETY COMMITMENT

Process safety

Prov.

safety risks and

throughout our management systems. The safeguards needed to protect against process safety risks are built into OIMS and integral to the way our facilities are designed, operated and maintained. We

verify and rigorously maintain these safeguards to prevent or mitigate the consequences of a process safety event.

Safety is a core value at ExconMobil. We operate in a manner that helps protect our employees, contractors, customers and the communities where we operate. Our approach to safety includes identifying possibil implementing measures to prevent potential incidents, and educating employees and contractors about unsafe behaviors. For 27 years, our Operatoris Integrity Management System (OMS) has established a set of worldwide expectations for addressing risks inherent to our business, including safety risks. Our work procedures embed OMS into our everypairy work processes at all levels of the organization.

#### Personnel safety

From a Lost-Time Incident Rate (LTIR) perspective, our workforce remains significantly safer than the indextry as a whole. XTD Energy, our unconventional exploration and production unit, continued stypes-on-year improvement tired and advived in bit-rever. LTR retuins in 2019. Our Funit & Lubricants and Oremical biosnesses contracts to outget(own their

In 2019, we enhanced our focus on defining consistent Life Saving Actions, or safeguards, for higher-consequence work associated with Ifling and regipment. These actions are applicable to day-to-day activities where 'ExoentAbbil and industry activities where 'ExoentAbbil and industry

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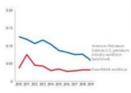
### te with our peers and ociations to share lessor

### nMobil is prepared to re array of emergency ever nd to a emergency event aral disasters, pan al incidents. Regi

Emergency preparedness

#### Lost-time incident rate\*

Incidents per 200,000 work hours



# ~80% improvement in lost-time incident rate

2019 PERFORMANCE HIGHLIGHTS

### since 2000

Since 2000, we have achieved a nearly 80 percent improvement in our workforce lost-time incident rate.

#### 27 years of OIMS

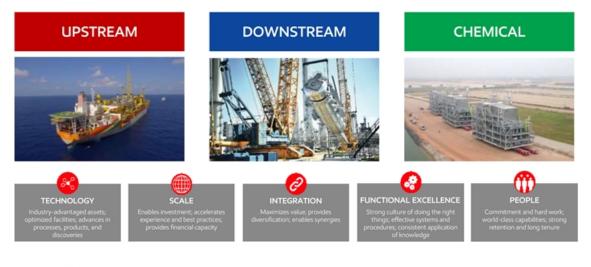
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For 27 years, our Operations Integrity Management System has established a set of worldwide expectations for addressing risks inherent to our business including safety risks.

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Key Technology Capabilities Process Safety, Process Engineering, Materials Integrity, Facilities & Equipment, Process Control Systems

### DRIVING VALUE CREATION AND INDUSTRY LEADING OPPORTUNITIES



### UPSTREAM

The strengths found in our ingenuity and global organization allow us to explore for and develop all resource types across the globe, relying on industry-leading technologies and capabilities to do so safely and responsibly.

Our understanding of the global hydrocarbon endowment, coupled with our unique geoscience capabilities, allows us to identify and prioritize the development of the highest quality resources. With our experience and applied technologies, we can develop more oil and gas reserves at both new and mature fields. Advances in seismic imaging, reservoir simulation, drilling and facility design allow us to explore and develop deposits that were previously unidentified or unreachable.



Major projects can be complex and capital intensive, which places a premium on execution excellence. ExxonMobil's long history of a disciplined approach to investment, technological leadership and operational excellence positions us well to lead the industry in safely developing the most challenging projects. These projects include a diverse portfolio of conventional and unconventional opportunities; including oil, **natural gas, heavy** oil and **deepwater projects**.

### NATURAL GAS MARKETING

Reliable supplies of natural gas and access to power are fundamental to the world's economic growth and increased prosperity. ExxonMobil employs a global team of commercial experts to maximize the value of the company's gas and natural gas liquids interests in meeting the growing needs of consumers around the world.

With our detailed knowledge of global markets, we are able to capitalize on expanding natural gas and power markets. Natural gas, as an abundant lower-carbon fuel source, is expected to play an increasingly important role in powering the world's economic growth over the coming decades. ExxonMobil is active and well positioned across the natural gas value chain in most major markets. Our global presence, combined with our ability to apply unique expertise across our Upstream, Downstream, and Chemical businesses, provides us with the source of businesses.



with an important competitive advantage and leading capability to help meet the world's growing energy demands.

While ExxonMobil strives to provide the energy to meet increasing global demand, we maintain a relentless focus on safe operations. Safety is and always will be our number one priority.

### EXECUTING GROWTH PLANS

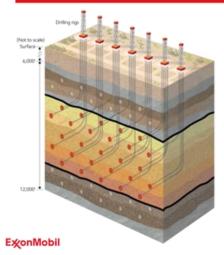
Deep portfolio of attractive unconventional, deepwater, and LNG opportunities



- · Includes diverse mix of resource types and shorter / longer-cycle developments
- Provides optionality on investment timing and pace of development

### KEY GROWTH PROJECT PERMIAN

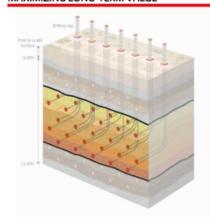
Maximizing value balancing production rates, resource recovery, and capital efficiency
MAXIMIZING LONG-TERM VALUE
LOWER TOTAL DEVELOPMENT COSTS



- Cube drilling simultaneously develops multiple stacked pay zones
  - Greatly reduces parent-child impacts
  - Maximizes resource recovery
  - Increases resource value (NPV) versus "best well" and "best bench" developments
- Capital efficient large-scale cube development has multiple requirements
  - Capacity to run multiple rigs simultaneously
  - Surface infrastructure and logistics aligned with production ramp-up

### KEY GROWTH PROJECT PERMIAN

Maximizing value balancing production rates, resource recovery, and capital efficiency MAXIMIZING LONG-TERM VALUE LOWER TOTAL DEVELOPMENT COSTS



Understanding subsurface characteristics and fluid properties critical for successful • cube development

- Proprietary technologies provide a • significant advantage
  - Key in selecting optimum well spacing and stacking, lateral length, and completion intensity
  - Cube sizes will vary by local geology and reservoir properties

### Not all wells are spaced equally

Key Technology Capabilities Subsurface prediction Lifecycle reservoir management & production optimization Unconventional development Right development concept Value Chain optimization: Well to Refinery/Chem plant

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# **UNCONVENTIONAL** RESEARCH AND DEVELOPMENT

<page-header>

 Programs shaped by business strategies

 IDECT CONNOCATION
 APPLIED TECHNOLOGY
 RESERCE AND DEVELOPMENT

 SIMULATION OF FRACTURING TECHNOLOGIES, VARYING LOADING PROFILES

 OPPLIED TECHNOLOGIES, VARYING LOADING PROFILES

 OPPLIED TECHNOLOGY
 OPPLIED TECHNOLOGY
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 CURRENT TECHNOLOGY
 OPPLIED TECHNOLOGY
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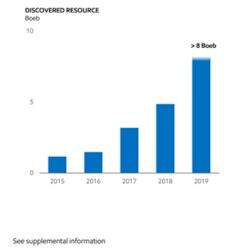
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# KEY GROWTH PROJECT GUYANA

Exploration and development success increasing value of deepwater portfolio



ExonMobil

- Continuing to explore 6.6M acre Stabroek block
- 5 discoveries in 2019; 1 discovery to date in 2020 .
- 16 discoveries out of 18 wells drilled on the . Stabroek block
- Industry-leading technologies foundational to . exploration success
- . "Explorer of the Year" three years in a row
- Stabroek gross recoverable resource increased to •
  - more than 8 Boeb
     Average discovery size "giant" (>500 Moeb)
     More than 3 Boeb added in 2019

Key Technology Capabilities Subsurface prediction Lifecycle reservoir management & production optimization

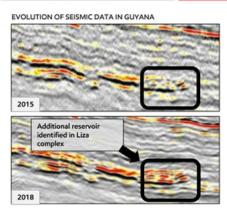
## TECHNOLOGY DEPLOYMENTS DEEPWATER

Near-term value created through advances in existing capabilities, processes, and products

LEGACY OF INNOVATION

### RESEARCH AND DEVELOPMENT

APPLIED TECHNOLOGY

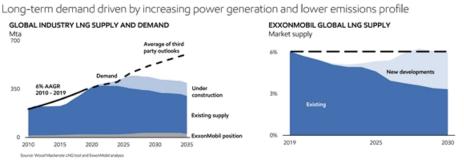


- High-quality subsurface imaging from proprietary seismic design and processing
- Exploration success in Guyana underpinned by 3D seismic processing and interpretation technology
  - 16 of 18 wells resulted in discoveries
  - More than 8 Boeb recoverable resource base
- · Leveraged advanced processing and interpretation - Linking seismic data to well results
  - Calibrating data for better understanding and identification of prospects
- Key input for reservoir modeling and development planning Key Technology Capabilities Subsurface prediction, Lifecycle reservoir management and production optimization

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Long-term demand driven by increasing power generation and lower emissions profile

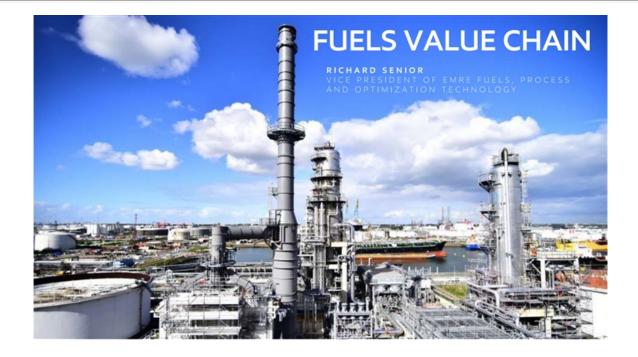


- LNG demand remains strong, driven by competitive costs and lower emissions in power generation ٠
- Additional ~210 Mta of capacity required by 2035; equivalent to ~60% of 2020 global demand
- Portfolio of LNG developments maintains global supply position at ~6% •
  - Key projects in Mozambique, PNG, and Golden Pass

Key Technology Capabilities Facilities & Equipment, Materials Integrity

Ex∕onMobil

See supplemental information



### Downstream

As the largest global refiner, the majority of our refining capacity is integrated with our lubricants and/or chemical businesses. ExxonMobil's global Fuels & Lubricants organization drives the efficient development and deployment of global best-practices and new technologies.

We manufacture and distribute products derived from crude oil and other feedstocks. Our global network of manufacturing plants, transportation systems and distribution centers provides fuels, lubricants and other high-value products to customers.

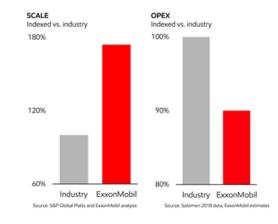
We are the world's leading supplier of lubricant basestocks and the largest global marketer of finished lubricants. Supported by a highly trained field force, a strong **distributor network** and abundant supply, ExxonMobil delivers high-quality products and application expertise to customers around the world.



We also create long-term value by selling high-quality products and services daily to millions of customers across the globe. We market our Synergy" fuels and other products to millions of customers worldwide through Esso, Exxon and Mobilbranded retail service stations, as well as global business-to-business segments — Industrial, Wholesale Fuels, Aviation Fuels & Lubricants, and Marine Fuels & Lubricants.

#### **EFFICIENT** MANUFACTURING

Scale and integration provide significant cost advantages



#### Average refinery capacity 75% higher than industry

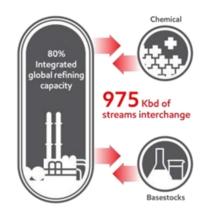
- Cost advantage of 10% compared to average refiner, resulting in \$900M annual benefit
- First-quartile energy efficiency with 34 cogeneration units across network
- Advanced analytics, applied across global refining network, strengthen efficiency and reliability

#### Key Technology Capabilities

Replicition Repuipment, Modeling & Optimization, Materials Integrity, Process Control Systems, Process Innovation & Development, Active Materials, Process Engineering

#### **EFFICIENT** MANUFACTURING

Scale and integration provide significant cost advantages



- Interchange of process streams represents 30% of total crude processing at integrated sites
- Enables lower feedstock costs and production of highest-value products
- Synergies include shared resources, interconnected facilities, and coordinated operating practices

Key Technology Capabilities Process Safety, Process Engineering, Process Control Systems, Materials Integrity, Facilities & Equipment, Environmental, Modeling & Optimization, Product-specific capabilities

#### IMPROVING REFINERY CONFIGURATION

Upgrading production with proprietary technology and portfolio highgrading

# REFINING CONFIGURATION – 2023 bd

- Higher conversion advantaged by up to \$7/bbl in recent years
- Leading global coking capacity, mostly in North America
- Portfolio highgrading with 14 refinery divestments and three advantaged projects to upgrade low-value products
- Advancing technology solutions to further improve yields at industry-leading cost of supply
- Increasing capacity for Permian light oil in U.S. Gulf Coast

Key Technology Capabilities Process Innovation & Development, Active Materials, Process Engineering, Facilities & Equipment, Modeling & Optimization

## **EVOLVING** FUEL PRODUCT PORTFOLIO

goals

technical readiness

Infrastructure to

support deployment

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Supporting the transportation industry's drive to help customers increase fuel efficiency and lower their emissions

- Synergy~Gasoline
- Synergy<sup>~</sup> Diesel Efficient
- EMF.5° marine fuels

Key Technology Capabilities Combustion Science & Emissions;

Powertrain & After treatment; Product Testing: Additive Chemistry & Formulation; Life Cycle Analysis across feed-process-Product for transportation fuels

- OEM low-emissions fuels collaborations

Meets society's Driven by \$ Affordable sustainability consumer choice Demonstrated Supported by regulation Deployable

Reliable supply

chain

ExonMobil

across markets

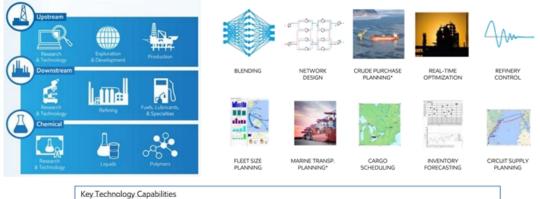
Scalable

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## END TO END VALUE CHAIN OPTIMIZATION

#### INTEGRATED VALUE CHAINS

#### SOME TYPES OF OPTIMIZATION PROBLEMS WE SOLVE

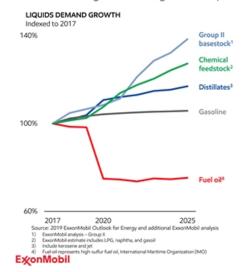


Key. Technology. Capabilities Materials Molecular and Physical Characterization, Advanced Math Modeling & Optimization, Process Control Systems, Process Engineering, Product Formulation/Blending



#### **EVOLVING** DEMAND

Robust demand growth for higher-value products



- Fuel economy standards drive increasing demand for higher-quality lubricants and Group II basestocks
- Increase in demand for chemical products underpins growth in refining feedstocks
- Demand for distillates grows due to increasing commercial transportation and aviation
- Gasoline consumption moderates with improved efficiency of light-duty fleet
- Fuel oil demand projected to decline 25% with IMO low-sulfur standards

Key Technology Capabilities Process Innovation & Development, Active Materials, Process Engineering, Facilities & Equipment, Lubes, Fuels, and Chemicals-Specific Technology Capabilities, Modeling &

Optimization

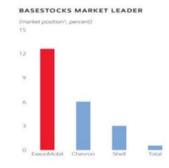
## LUBRICANTS VALUE CHAIN LEADERSHIP

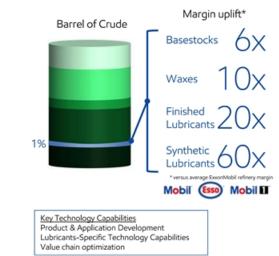
Leveraging global footprint across value chains

MAJOR PROJECTS REVAMPS AND IMPROVEMENTS OPTIMIZATION, TRADING, MARKETING



#### HIGH-VALUE SYNTHETICS LUBRICANTS GROWTH





 Strongest market position in industry: #1 basestocks

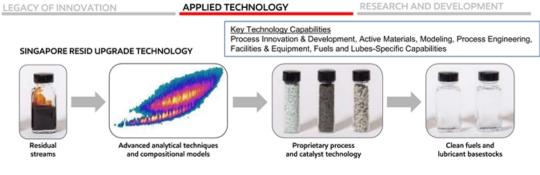
Source: Kline & Company See supplemental informat

Value chain delivered significant earnings in 2019

## TECHNOLOGY DEPLOYMENTS DOWNSTREAM

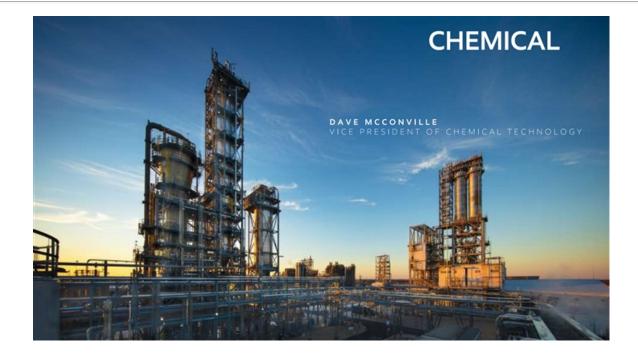
Near-term value created through advances in existing capabilities, processes, and products RESEARCH AND DEVELOPMENT

APPLIED TECHNOLOGY



- · Singapore resid upgrade project converts residual feed components to higher-value products
- · Significant technical achievement enabled by modeling, process, and catalyst capabilities
- Proprietary technology adds \$200M to project annual earnings potential versus conventional upgrading<sup>1</sup>

<sup>1</sup>ExxonMobil assessment of Singapore resid upgrading technology versus alternative. Estimated technology contributions to project earnings.



#### CHEMICAL

ExxonMobil Chemical is one of the largest chemical manufacturing companies in the world. Our unique portfolio of commodity and specialty businesses generates annual sales of nearly 25 million tonnes of prime products.

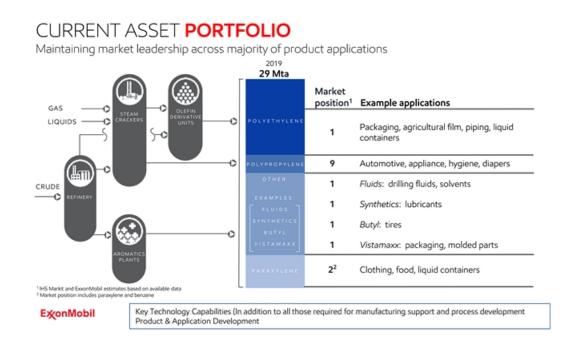
We operate major manufacturing facilities in key markets around the world, and our products serve as the building blocks for a wide variety of everyday consumer and industrial products.

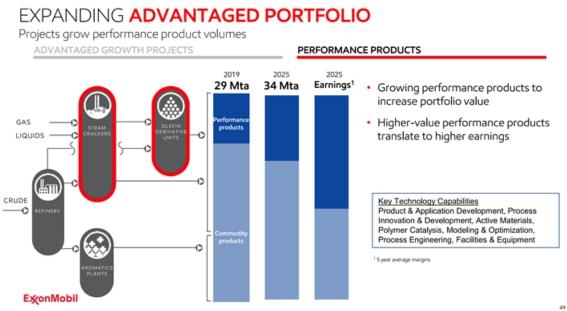
We process feedstocks from ExxonMobil's Upstream and Downstream operations, supplemented by market sources, to manufacture chemical products for highervalue end uses. We focus on product lines that capitalize on advantages in scale and technology, building on our strengths in advantaged feedstocks, lower-cost processes, and performance products.

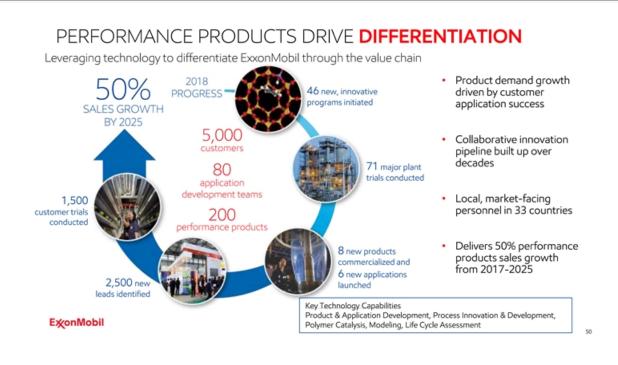
Visit ExxonMobil Chemical for more information.

#### Ex∕onMobil









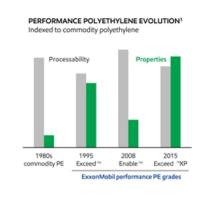
## TECHNOLOGY DEPLOYMENTS CHEMICAL

Near-term value created through advances in existing capabilities, processes, and products APPLIED TECHNOLOGY

LEGACY OF INNOVATION

ExconMobil

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· Polyethylene product evolution combined improvements in properties with processability, enabled by:

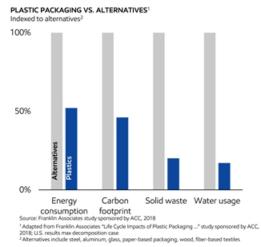
RESEARCH AND DEVELOPMENT

- Fundamental property and application understanding
- Proprietary metallocene catalyst platform
- Pilot plants to scale up laboratory leads
- · Enhanced properties improve sustainability thinning and light-weighting of end products
- · Improvement in performance aligned with market demands, contributes to higher margins

Key Technology Capabilities Product & Application Development, Process Innovation & Development, Polymer Catalysis, Modeling, Life Cycle Assessment

## PLASTIC PACKAGING BENEFITS AND WASTE SOLUTIONS

Plastic provides sustainability benefits versus alternatives





- Significant plastic packaging benefits versus alternatives
  - Lower life cycle GHG impacts
  - Alternatives generate ~5x the waste of plastic
- · Global waste issue is broader than plastics

#### Advancing solutions for plastics

- Founding member of Alliance to End Plastic Waste
- Providing products that enhance recyclability
- Working to transform plastic waste into feedstock

Key Technology Capabilities

Product & Application Development, Process Innovation & Development, Polymer Catalysis, Modeling, Life Cycle Assessment, Process Engineering, Facilities & Equipment



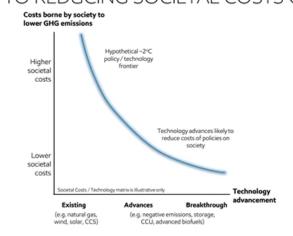
# TECHNOLOGY ADVANCES NEEDED FOR EVOLVING ENERGY SYSTEM

Near-term actions the Company is taking to prepare for a lower-carbon future, include:

- · Expanding supplies of cleaner-burning natural gas.
- Improving energy efficiency in operations.
- · Operating and investing in carbon capture and storage.
- · Reducing flaring and methane emissions from operations.
- Developing products, such as premium lubricants, light-weight plastics, and special tire liners to help consumers improve efficiency and reduce emissions.
- Advocating for effective climate policy to address the risks of climate change at the lowest societal cost

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#### **TECHNOLOGY KEY** TO REDUCING SOCIETAL COSTS OF 2°C PATHWAY





Power grid reliability & long-duration storage: Batteries, chemical storage, hydrogen

Lower-carbon commercial transport: algae & cellulosic biofuels, fuel cells, batteries

Lower-carbon industrial processes: carbon capture, hydrogen, process intensification

Advanced, less carbon-intensive materials for efficient buildings and infrastructure

Negative emissions: bioenergy with carbon capture, direct air capture, CO<sub>2</sub> utilization

#### Key Technology Capabilities

Process Innovation & Development, Active Materials, Materials Integrity, Modeling & Optimization, Physical and Mathematical Sciences, Process Engineering, Facilities & Equipment, Life Cycle Assessment, Environmental, Bioscience

Source: ExxonMobil 2019 Outlook for Energy

## LOW-EMISSION RESEARCH AND DEVELOPMENT

Programs shaped by business strategies and the dual challenge APPLIED TECHNOLOGY LEGACY OF INNOVATION

Electricity

High entration

CO<sub>2</sub> sequestration

mosaic

Berkeley

#### RESEARCH AND DEVELOPMENT

METAL ORGANIC FRAMEWORK (MOF) FOR CCS

FUEL CELL TECHNOLOGY FOR CCS fuelcellenergy

Natural gas

CO<sub>2</sub>

- · Collaborating with partners on novel, high-surface area materials for carbon capture
  - Partnerships combine metal organic framework expertise with ExxonMobil's process scale-up capabilities
- Progressing design of carbonate fuel cell (CFC) for CO<sub>2</sub> capture at Rotterdam refinery
  - Joint development with FuelCell Energy
  - Demonstration of CFC technology, supplying data to inform commercial-scale developments
- Advancing additional CCS technology-to-scale collaborations Global Thermostat Direct air capture with Global Thermostat

  - Multiple technologies via energy centers and national laboratories

Key Technology Capabilities Process Innovation & Development, Active Materials, Modeling

ExonMobil

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## LOW-EMISSION RESEARCH AND DEVELOPMENT

Algae

Collaboration with

SYNTHETIC GENOMICS

Algae<sup>1</sup>

Programs shaped by business strategies and the dual challenge LEGACY OF INNOVATION APPLIED TECHNOLOGY

#### RESEARCH AND DEVELOPMENT

- Algae represents opportunity to scale biofuels with significantly higher land productivity versus alternatives
- Advancing biology required for development of suitable algae strains with Synthetic Genomics
- Demonstrated step-change improvements in biomass productivity across multiple algae species

Key Technology Capabilities Bioscience, Process Innovation & Development, Modeling, Life Cycle Assessment

<sup>1</sup>Expected outdoor performance of current best strain. Outdoor testing in progress.
<sup>2</sup>ExonMobil assessment of near-term potential, based upon laboratory results and pace of biology progress. Outdoor testing in progress.

Sugarcane

Palm

ExconMobil

150

75

0

Soybean

Corn

LAND PRODUCTIVITY OF BIOFUELS Bbls / acre / year

## LOW-EMISSION RESEARCH AND DEVELOPMENT

Algae target<sup>3</sup>

Programs shaped by business strategies and the dual challenge LEGACY OF INNOVATION APPLIED TECHNOLOGY

#### RESEARCH AND DEVELOPMENT

- Algae represents opportunity to scale biofuels with significantly higher land productivity versus alternatives
- Advancing biology required for development of suitable algae strains with Synthetic Genomics
- Demonstrated step-change improvements in biomass productivity across multiple algae species
- Scale-up to outdoor growth systems in parallel with laboratory effort focuses on solving key biology and engineering challenges
- Progressing towards target of technical readiness for production of 10 Kbd by 2025

Key.Technology Capabilities Bioscience, Process Innovation & Development, Modeling, Life Cycle Assessment, Process Engineering, Facilities & Equipment

<sup>1</sup> ExonMobil analysis, U.S. gasoline and diesel demand Microalgae without genetic engineering, outdoor average oil production ExounMobil biology target for outdoor average oil production from genetically engineered al EXONMObil

Corn

Algae

AREA REQUIRED TO REPLACE 10% OF U.S.

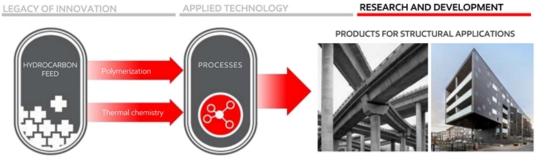
TRANSPORTATION DEMAND<sup>1</sup>

Collaboration with

SINTHETIC GENOMICS

## **NOVEL PRODUCTS** RESEARCH AND DEVELOPMENT

Programs shaped by business strategies and the dual challenge



- Leveraging catalysis and polymerization capabilities to develop sustainable materials for high-volume structural applications
- · Potential to replace high-CO2 intensity materials such as steel and cement

Key. Technology. Capabilities Process Innovation & Development, Polymers Chemistry and Catalysts, Active Materials, Product and Application Development

ExconMobil

## **COLLABORATIONS** ENABLE TECHNOLOGY SOLUTIONS

Collaborations expand technology development and deployment
LEGACY OF INNOVATION APPLIED TECHNOLOGY

Energy center low-emission focus areas <sup>1</sup>		MITei	FFILIATES	The barrier of loss of loss of loss of	Stanford Stategic Energy Allance man Datasis, http://		6
0	Renewable power	•	•	•	•	•	
	Carbon capture	•	•	•	•	•	٠
	Grid-scale electron storage			•	•		
	Long-distance battery storage				•		
ত	Hydrogen	•	•	•			
	Gas conversion	•	•		•		
	New products	•	•			•	
	Liquids conversion	•		•			

 External collaborations combine university science capabilities with ExxonMobil's expertise in scaling technology

· Progressing joint research and development with academia, national laboratories, and industry partners

<sup>1</sup> Covers active collaborations and proposals in progress
EXONMObil

RESEARCH AND DEVELOPMENT

## RESEARCH AND DEVELOPMENT PORTFOLIO

SACY OF INNOVATION	APPLIED TECHNOLOGY	RESEARCH AND DEVELOPMENT		
Unconventional	Recovery and capital efficiency			
Products	Higher-value products			
Subsurface	Advanced models and simulations			
Gas conversion	Conversion of gas to higher-value	e products		
Low-emission	Advanced biofuels, CCS, and novel manufacturing technologies			
\$1B	2,300	80		
Annual R&D investment	Ph.D. scientists and engineers	University collaborations		

61

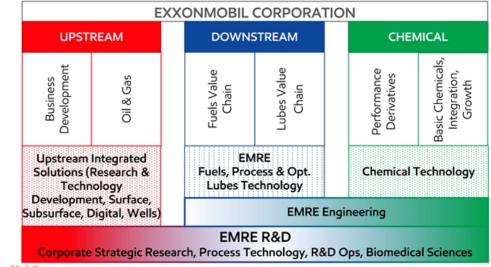
## TECHNOLOGY KEY MESSAGES

- · Proven track record of translating fundamental science to commercial success
- Near-term value created through advances in existing capabilities, processes, and products
- · Research and development programs shaped by business strategies and the dual challenge
- Collaborating with external laboratories, companies, and universities expands technology development and deployment

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## EXXONMOBIL TECHNOLOGY ORGANIZATIONS



## TECHNOLOGY **PIPELINE FOR COMPETITIVE ADVANTAGE** Proven track record of translating fundamental science to commercial scale

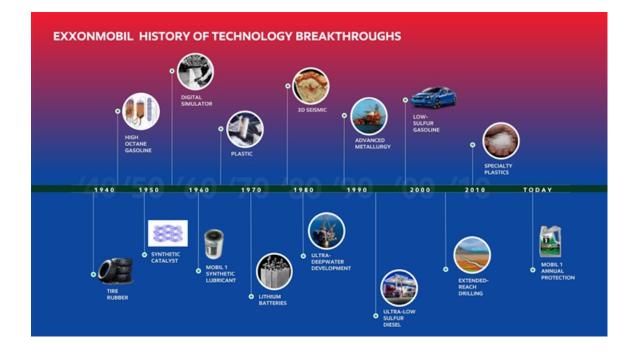
RESEARCH AND DEVELOPMENT	PROCESS/OPERATION	PRODUCTS
Corporate-driven and business-driven portfolios	<ul> <li>Development, deployment of new process technologies</li> <li>Experts support for major projects, extensions of current technology involvement and troubleshooting</li> </ul>	<ul> <li>Development, deployment of new products</li> <li>Extensions to new applications</li> <li>Technical support for market development</li> </ul>

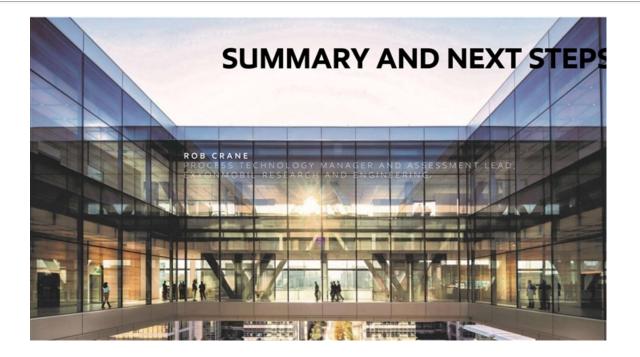
## **TECHNOLOGY** LEADERSHIP

Proven track record of translating fundamental science to commercial scale

LEGACY OF INNOVATION APPLIED TECHNOLOGY RESEARCH AND DEVELOPMENT







## NEXT STEPS

• Attend a live, 90-min Q&A session with presenters (Feb 19, Mar 8, Mar 30)

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- Attend panel discussion
- Provide us your input

## **KEY QUESTIONS** FOR PANELISTS

- 1a. Are there any capabilities you would add and why?
- 1b. Are there any capabilities you would change and why?
- 1c. Are there any capabilities you would eliminate and why?

2a. How well does the capability address the near term (5 yr) objectives and why?

- 1. Inadequate
- 2. Below Expectation
- 3. Meets Expectation 4. Above Expectation
- Above Expectation
   Beyond Expectation
- 2b. How well does the capability address the longer term (5 20+ yr) objectives and why?
  - 1. Inadequate
  - 2. Below Expectation 3. Meets Expectation
  - 4. Above Expectation
  - 5. Beyond Expectation

3. How are the capabilities positioned relative to competitors?

Capability Positions		
Position	Definition	
Clear Leader	Sets the pace and direction of technology development     Recognized for such in the industry	
Brong	Able to express independent technical actions     Sets new directions	
Favorable	Able to sustain technological competitiveness in general and/or leadership in technical niches	
Tenalite	Unable to set independent course, continually in catch-up     Difficult to maintain / grow required competencies	
West	Unable to sustain quality of outputs vs. competitors     Short-term, fire-fighting mode, low or retiring expertise	

4. Please comment on our facilities/equipment/labs and tools relative to state of the art.

- 5. What alternatives to the capability exist external to ExxonMobil?
- People; Facilities/Equipment/Labs; Tools; Approaches a. What are potential opportunities for efficiency/effectiveness with these alternatives?
- b. Where in the world do the capabilities exist?
  - a. Who is the best? Are there new emerging entrants?
  - b. What is the difference between the capabilities available in geographic locations?
  - c. Are they accessible to ExxonMobil?

6a. Where are there synergies between capabilities and/or between technology groups that we are not capturing or not fully exploiting? 6b. Why are these synergies valuable to capture? 6c. What could we do to fully exploit these synergies?

7. Did you identify any areas where there may be duplicate efforts in our capabilities? If so, please specify where the duplication of efforts exists and if it is causing inefficiencies?

8. Which other capabilities or emerging science areas could significantly impact our ability to meet objectives?

9a. Based on our near term objectives, is the need for this capability expected to increase, decrease, or stay the same?
9b. Based on our longer term objectives, is the need for this capability expected to increase, decrease, or stay the same?

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10. What is the ability to differentiate each capability? High / Medium/ Low

## THANK YOU

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#### **Important Additional Information Regarding Proxy Solicitation**

Exxon Mobil Corporation ("ExxonMobil") intends to file a proxy statement and associated BLUE proxy card with the U.S. Securities and Exchange Commission (the "SEC") in connection with the solicitation of proxies for ExxonMobil's 2021 Annual Meeting (the "Proxy Statement"). ExxonMobil, its directors and certain of its executive officers will be participants in the solicitation of proxies from shareholders in respect of the 2021 Annual Meeting. Information regarding the names of ExxonMobil's directors and executive officers and their respective interests in ExxonMobil by security holdings or otherwise is set forth in ExxonMobil's Annual Report on Form 10-K for the fiscal year ended December 31, 2019, filed with the SEC on February 26, 2020, ExxonMobil's proxy statement for the 2020 Annual Meeting of Shareholders, filed with the SEC on April 9, 2020, ExxonMobil's Form 8-K filed with the SEC on December 1, 2020 and ExxonMobil's Form 8-K filed with the SEC on February 2, 2021. To the extent holdings of such participants in ExxonMobil's securities are not reported, or have changed since the amounts described, in the 2020 proxy statement, such changes have been reflected on Initial Statements of Beneficial Ownership on Form 3 or Statements of Change in Ownership on Form 4 filed with the SEC. Details concerning the nominees of ExxonMobil's Board of Directors for election at the 2021 Annual Meeting will be included in the Proxy Statement. BEFORE MAKING ANY VOTING DECISION, INVESTORS AND SHAREHOLDERS OF THE COMPANY ARE URGED TO READ ALL RELEVANT DOCUMENTS FILED WITH OR FURNISHED TO THE SEC, INCLUDING THE COMPANY'S DEFINITIVE PROXY STATEMENT AND ANY SUPPLEMENTS THERETO AND ACCOMPANYING BLUE PROXY CARD WHEN THEY BECOME AVAILABLE, BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION. Investors and shareholders will be able to obtain a copy of the definitive Proxy Statement and other relevant documents filed by ExxonMobil free of charge from the SEC's website, www.sec.gov. ExxonMobil's shareholders will also be able to obtain, without charge, a copy of the definitive Proxy Statement and other relevant filed documents by directing a request by mail to ExxonMobil Shareholder Services at 5959 Las Colinas Boulevard, Irving, Texas, 75039-2298 or at shareholderrelations@exxonmobil.com or from the investor relations section of ExxonMobil's website, www.exxonmobil.com/investor.