ANNUAL MEETING OF SHAREHOLDERS OF

ATOMERA INCORPORATED

July 30, 2020

PROXY VOTING INSTRUCTIONS

Note: Please sign exactly as your name or names appear on this Proxy. When shares are held jointly, each holder should sign. When signing as executor, administrator, attorney, trustee or guardian, please give full title as such. If the signer is a corporation, please sign full corporate name by duly authorized officer, giving full title as such. If signer is a partnership, please sign in partnership name by authorized person.

INTERNET - Access "www.voteproxy.com" and follow the on-screen instructions or scan the QR code with your smartphone. Have your proxy card available when you access the web page.

MAIL - Sign, date and mail your proxy card in the envelope provided as soon as possible.

VIRTUALLY AT THE MEETING - The company will be hosting the meeting live via the Internet this year. To attend the meeting via the Internet please visit https://web.lumiagm.com/299510298 (password: atomera2020) and be sure to have available the control number.

GO GREEN - e-Consent makes it easy to go paperless. With e-Consent, you can quickly access your proxy materials, statements and other eligible documents online, while reducing costs, clutter and paper waste. Enroll today via www.astfinancial.com to enjoy online access.

PLEASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED ENVELOPE.

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INSTRUCTIONS: To withhold authority to vote for any individual nominee(s), mark "FOR ALL EXCEPT"

To change the address on your account, please check the box at right and indicate your new address in the address space above. Please note that changes to the registered name(s) on the account may not be submitted via

1. Election of Directors:

FOR ALL NOMINEES

WITHHOLD AUTHORITY

FOR ALL EXCEPT

this method.

Signature of Shareholder

(See instructions below)



COMPANY NUMBER

ent, you can quickly access your proxy materiants and other eligible documents online, while reducing cos and paper waste. Enroll today via www.astfinancial.com to enj	ts, ACCOUN	NT NUMBER		
NOTICE OF INTERNET AVAILABILITY OF PROX	Y MATERIAL: The Ann	nual Report. Notice	of Meeting, proxy	
statement and proxy card are availabl				
Please detach along perforated line and mail in the	ne envelope provided <u>IF</u> you a	are not voting via the Int	ternet.	
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THE BOARD OF DIRECTORS RECOMMENDS A VOTE ASE SIGN, DATE AND RETURN PROMPTLY IN THE ENCLOSED EN	: "FOR" ALL DIRECTOR NOMIN ELOPE. PLEASE MARK YOUR	IEES, AND "FOR" PROPC R VOTE IN BLUE OR BLA	OSAL 2. CK INK AS SHOWN HERE	x
NOMINEES: OMINEES O1 John Gerber O2 Scott Bibaud AUTHORITY OMINEES O4 C. Rinn Cleavelin O5 Rolf Stadheim XCEPT O6 Steve Shevick Itons below) O7 Duy-Loan Le	To ratify the appointmen independent registered pu December 31, 2020; This proxy, when properly exerproxy shall be voted FOR the ratification of the appointment public accounting firm for the other matters that legally come.	cuted, will be voted as dince election of the listed of Marcum LLP as the Cliscal year ending December 1	rected. If no direction is made nominees as directors, FO company's independent reginer 31, 2020, and, in the care	de, the
and fill in the circle next to each nominee you wish to withhold, as shown here: and fill in the circle next to each nominee you wish to withhold, as shown here: address on your account, please check the box at right and new address in the address space above. Please note that a registered name(s) on the account may not be submitted via	MARK "X" HERE IF YOU	U PLAN TO ATTEND T	HE MEETING.	
areholder Date:	Signature of Shareholder		Date:	

ATOMERA INCORPORATED

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

The undersigned, revoking all prior proxies, hereby appoints John Gerber and Scott Bibaud, with full power of substitution, as proxy to represent and vote all shares of Common Stock, of Atomera Incorporated (the "Company"), which the undersigned will be entitled to vote if personally present at the Annual Meeting of the Stockholders of the Company to be held on July 30, 2020, at 11:00 a.m. PT virtually at https://web.lumiagm.com/299510298 (password: atomera2020), or any adjournment thereof. Each share of Common Stock is entitled to one vote. THE PROXIES ARE FURTHER AUTHORIZED TO VOTE, IN THEIR DISCRETION, UPON SUCH OTHER BUSINESS AS MAY PROPERLY COME BEFORE THE MEETING, OR ANY ADJOURNMENT THEREOF.

(Continued and to be signed on the reverse side.)

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