



November 24, 2020

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

Re: SUPPORT OF THE SUPPLEMENTAL MEMORANDUM FOR ORDINANCE OF THE CITY OF SAN JOSE AMENDING CHAPTER 17.845 OF TITLE 17 OF THE SAN JOSE MUNICIPAL CODE TO AMEND SECTIONS 17.845.010, 17.845.020, 17.845.030, 17.845.040, 17.845.050, AND 17.845.060 AND ADD SECTION 17.845.045 TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

Bloom Energy supports the Supplemental Staff Memorandum from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability." This supplemental staff memo will allow customers to continue making investments in their own energy resilience and continue investments in the infrastructure to deliver renewable energy long term.

About Bloom Energy

Bloom Energy is a San Jose-based company with more than 700 employees locally and more than 1,200 worldwide. Bloom Energy manufactures unique distributed fuel-cell power systems, which are among the most energy-efficient on the planet; which virtually eliminate local air pollution like NOx, SOx and particulate matter that disproportionately impact disadvantaged communities.

The company, founded with the mission of making clean, reliable energy affordable for everyone on earth, has both altruism and innovation in its DNA. Its technology, invented in the U.S., continues to evolve and progress. Bloom Energy Servers can now use both biogas and renewable hydrogen, in addition to natural gas. Bloom Energy's technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

Why Bloom Energy Supports Staff Recommendation

The fact of the matter is that the health and environmental impacts of combustion-related pollutants are both very significant and readily quantifiable – and have become even more apparent in the age of COVID. The economic and health benefits associated with reducing NOx, SOx and particulate matter emissions outweigh the same benefits of reducing carbon emissions on a per-ton basis.



Moreover, there is a steadily growing body of evidence indicating that local combustion-related air pollution has far more serious and harmful consequences to human health and the environment than previously understood, including recent findings that combustion-related air pollution:

- May be as harmful to your lungs as smoking cigarettes
- Increases preterm birth risk
- Causes dementia; and that
- Particulate matter is the largest environmental health risk factor in the nation, and the resulting health impacts are borne disproportionately by disadvantaged communities.

Beyond health concerns (which should be reason enough), in the age of COVID, climate change, increasingly severe weather incidents, wildfires, extreme heat and the like, resiliency and reliability are more critical than ever before. Without reliable energy to power our essential services, a grid outage may result in dire consequences for businesses and communities alike.

In early August, Bloom microgrids powered customers through Hurricane Isaias, preventing 25 power outages for customers in various areas in the Northeast, including a 911 call center in Huntington, New York. And, examples like this abound. Microgrids can save businesses hundreds of thousands of dollars in downtime costs and keep essential community services like grocery stores, telecoms operators, and hospitals powered through severe weather events and outages.

Bloom Energy response to the pandemic

In the nearly 10 months since the onset of the COVID-19 pandemic, Bloom Energy Servers have been continually delivering power to facilities around the globe that are providing essential services. More than 20,000 fuel cell modules are currently deployed across more than 700 sites, sending power to hospitals, healthcare manufacturers, biotechnology, grocery stores, hardware stores, banks, telecom facilities, and other critical infrastructure.

Beyond continuing to run its core business throughout the COVID-19 pandemic, Bloom Energy has been rapidly deploying microgrids to pop-up and field hospitals handling COVID patient overflow through contracts with both the State of California and the private sector. As the case counts continue to rise, the company's services are ever-more critical: Bloom Energy Servers can reduce smog-forming pollution and particulate matter by more than 99% compared with existing combustion-based power generation sources, especially relevant as COVID-19 patients typically experience respiratory distress. Bloom's Energy Servers – which can be deployed and installed in as little as three days – are also quiet, so vibrations do not disrupt sensitive medical equipment or disturb surrounding residential communities, and they are compact, typically occupying the equivalent of three parking spaces.



Bloom has also been fighting the pandemic on yet another front. As the U.S. faced a critical shortage of ventilators, a medical device used to treat respiratory failure in COVID-19 patients, Bloom leveraged its expertise and capabilities in product end-of-life management to refurbish hundreds of out-of-service ventilators across the U.S. The company worked with state agencies and customers – many of which are hospitals and medical device companies – to identify supplies of unused, out-of-service ventilators for repair. To date, the company has refurbished more than 1,300 ventilators across California, Delaware, and Pennsylvania

Finally, as heat waves and wildfires engulfed California, Bloom Energy launched an initiative to export excess megawatts of power generation from our customers across the State to help relieve the strain on the aging and overtaxed grid. With the generous support and unwavering commitment from customers, partners, and civic leaders, we were able to take megawatts of that excess power generation and return it to the grid to provide relief to centralized capacity limitations in California.

Bloom Energy Servers produce reliable electricity using a fuel-flexible, non-combustion process that significantly reduces or eliminates carbon dioxide emissions while virtually eliminating criteria pollutants (SOx, NOx and PM 2.5) and water usage. The result is an alternative option for energy infrastructure that combines increased electrical reliability and improved energy security with significantly lower environmental impact. Bloom's fuel cell systems were invented in California and are manufactured in California and are being deployed throughout California to help the State meet its energy, environmental and economic objectives.

Consequence of Negative Action

As noted above, California's electric grid is facing unprecedented challenges as a result of wildfire risk and extreme heat, and the areas served by Pacific Gas & Electric have been specifically impacted. An uninterrupted supply of electricity is an indispensable element of business continuity, the State's post COVID economic recovery, and the protection of our most vulnerable citizens. The costs of both Public Safety Power Shutoff (PSPS) events and blackouts are borne disproportionately by those who already carry economic and environmental burdens, including the elderly and working families who are now forced to deal with issues of food insecurity, non-functioning medical devices, and employment disruption.

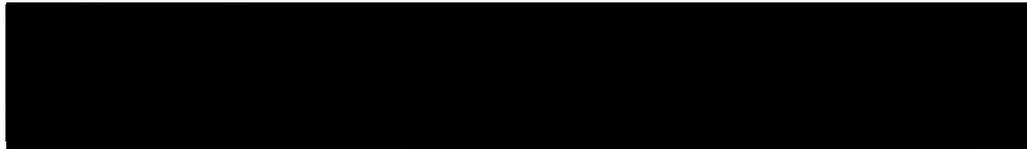
The decision to prohibit gas infrastructure in new facilities can be expected to lead to community and business impacts that include widespread use of diesel backup generators, compounding local air quality problems disproportionately impacting the same vulnerable populations. Presently, diesel generators are used in San Jose to allow companies to protect their critical operations. Without access to resilience exemptions, companies may need to reimagine where to locate their critical facilities, including data centers and precision manufacturing facilities.



Utilizing the existing gas infrastructure with low- to no-carbon fuels will increasingly enable cost-effective, reliable, resilient, and renewable power generation to complement intermittent resources like wind and solar. Hydrogen provides a promise of a zero-carbon fuel that can and should be leveraged to de-carbonize the gas system. Banning the pipeline infrastructure, will limit the State's ability to fully decarbonize. The roadmap to meeting the State's carbon-reduction goals should include a variety of policies and technologies to enable a clean, reliable and affordable transition. Intermittent renewable resources must be paired with reliable generation to keep the lights on and business running.

The modifications called for in the Supplemental Staff Memorandum balance the environmental integrity of the underlying ordinance by ensuring that our mid- and long-term climate goals are obtained while also providing short-term resiliency needs. As a clean, technology developer, manufacturer and employer in California, Bloom Energy supports the Supplemental Staff Memorandum from November 16, 2020.

Sincerely,



Carl Guardino
Executive Vice President

Shawn Soderberg
Executive Vice President
General Counsel

Cc: Mayor Sam Liccardo, sam.liccardo@sanjoseca.gov
Vice Mayor Chappie Jones, chappie.jones@sanjoseca.gov
Councilmember Sergio Jimenez, Sergio.jimenez@sanjoseca.gov
Councilmember Lan Diep, lan.diep@sanjoseca.gov
Councilmember Magdalena Carrasco,
Magdalena.carrasco@sanjoseca.gov
Councilmember Dev Davis, dev.davis@sanjoseca.gov
Councilmember Maya Esparza, maya.esparza@sanjoseca.gov
Councilmember Sylvia Arenas, sylvia.arenas@sanjoseca.gov
Councilmember Pam Foley, pam.foley@sanjoseca.gov
Councilmember Johnny Khamis, johnnykhamis@sanjoseca.gov
David Sykes, City Manager, david.sykes@sanjoseca.gov
Rosalynn Hughey, Director, Planning, Building, and Code Enforcement,
rosalynn.hughey@sanjoseca.gov
Kerrie Romanow, Director, Environmental Services,
kerrie.romanow@sanjoseca.gov
Jim Ortbal, City Manager's Office jim.ortbal@sanjoseca.gov

P

Fw: Public Letters on Gas Ban

Agendadesk <Agendadesk@sanjoseca.gov>

Mon 11/23/2020 7:41 PM

To: Rules and Open Government Committee Agendas <rulescommitteeagenda@sanjoseca.gov>

📎 1 attachments (248 KB)

Sample Gas Ban Email Message 111720.pdf;

Agenda Desk

City of San José | Office of the City Clerk
200 East Santa Clara St. – Tower 14th Fl.
San José, CA 95113-1905
Phone 408.535.1275 | Fax 408.292.6207
agendadesk@sanjoseca.gov

Live updates of City Council Meetings can be found on [Facebook](#) and [Twitter](#).

From: Nadia Palton Celestin [REDACTED]
Sent: Monday, November 23, 2020 10:33 AM
To: Agendadesk <Agendadesk@sanjoseca.gov>
Subject: Public Letters on Gas Ban

[External Email]

Dear Council Administrator,

I have attached a letter as a citizen in support of the clean energy gas ban.

Thank You,

Nadia Palton Celestin

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

SAMPLE EMAIL MESSAGE FOR SAN JOSE GAS BAN ORDINANCE

Subject: Support gas ban ordinance at 11.17.20 City Council Meeting

Adjust your salutation for Mayor or Council Member

Dear Council Members.

As a member of Climate Reality: Santa Clara County, I ask you to vote in favor of the updated *Natural Gas Infrastructure Prohibition Ordinance*.

I was so proud of San Jose when you passed the important reach code for All Electric/gas ban in 2019. This next phase of the ordinance is an incredibly important step to creating a safer and healthier world for us and our children. I urge you to stand by our community and on November 17th approve this gas ban ordinance update that will include almost all new building construction.

The facts are undeniable that eliminating natural gas significantly reduces climate-disrupting methane emissions, improves our indoor and outdoor air quality to support better health, increases safety, lowers construction costs, and leads to on-going energy cost reductions from more efficient heat pump and sustainable energy generation technology.

Our welfare rests in your hands and will be demonstrated by a YES vote for the 2020 new construction gas ban ordinance update.

Thank you so much for your support,

Your Name

Nadia Palton Celestin

Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

Marina Gafni <[REDACTED]>

Wed 11/25/2020 1:49 PM

To: Liccardo, Sam <[REDACTED]> Davis, Dev <[REDACTED]> Peralez, Raul <[REDACTED]>
<[REDACTED]> Diep, Lan <[REDACTED]> Arenas, Sylvia <[REDACTED]> Esparza, Mava <[REDACTED]>
<[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez, Sergio <[REDACTED]>
<[REDACTED]> Carrasco, Magdalena <[REDACTED]> Foley, Pam <[REDACTED]>
<[REDACTED]> Khamis, Johnny <[REDACTED]> <[REDACTED]>
Cc: Agendadesk <[REDACTED]> City Clerk <[REDACTED]>

[External Email]

Dear Mayor Liccardo, Vice Mayor Jones, and Council Members Jimenez, Peralez, Diep, Carrasco, Davis, Esparza, Arenas, Foley, and Khamis,

As a San Jose resident, as a mother, and as a supporter of Mothers Out Front, **I urge you to support the Updated Natural Gas Infrastructure Prohibition Ordinance**, but reject Bloom Energy's request for an exemption for its fuel cells.

If not watered down, this forward-thinking ordinance will go a long way toward meeting our climate-smart goals and preserving a livable climate for our children's future.

But I am strongly opposed to Bloom Energy's request for an unwarranted exemption that would allow for the use of fuel cells powered by liquified "natural" gas.

Allowing an exemption for fuel cells would:

- Violate the goals of the gas ban prohibition, allowing gas to be used in new buildings not just for back-up, but for continuous, baseload power.
- Harm the climate and make it harder to achieve our climate goals.

Since the fuel cells used in Bloom Boxes are currently powered by fracked gas, **the energy they supply is much dirtier than the energy provided by either San Jose Clean Energy or PG&E**. If this energy were only used on the few days each year when a power outage occurs, that might be acceptable. However, Bloom Boxes are not economically feasible if used only to provide back-up power. On the contrary, Bloom Boxes only make sense economically if used 24/7 every day of the year, providing baseload energy to the buildings where they are installed. This is not acceptable and violates the goal of the gas ban prohibition: to ban gas! Fracked gas is fracked gas, whether it is burnt in a power plant, a building, or a fuel cell. Dirty energy should only be allowed, if needed, to provide temporary, limited back-up power, not baseload energy. Even [Forbes](#) has reported that Bloom Energy's technology is too dirty and too costly.

In 2019, San Jose's use of fossil gas rose slightly. If new buildings are allowed to use Bloom Boxes, the City's use of fossil gas would go up even more. **This is destabilizing to the climate and will make it harder for San Jose to achieve our climate smart goals.** If Bloom wants to have its Bloom Boxes used in new San Jose buildings, it should be required to power its fuel cells with certified clean energy, not fracked gas.

San Jose should not throw away its climate goals in order to appease one company. **We cannot afford to water down our essential climate policies.** Instead, the City should allow businesses to **secure back-up power from sources that cannot be connected to the gas grid infrastructure** and should prohibit the continuous use of fossil fuels for baseload energy.

Please hold the line and insist on the **strongest possible gas ban ordinance** so that San Jose can continue to provide the climate-smart leadership so essential to preserving a livable climate for all children. What could be more important?

Sincerely,

Marina Gafni

[REDACTED]

[REDACTED]

This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Fw: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

City Clerk <[REDACTED]>

Wed 11/25/2020 11:41 AM

To: Agendadesk <[REDACTED]>

Office of the City Clerk | City of San José

200 E. Santa Clara St., Tower 14th Floor

San Jose, CA 95113

Main: 408-535-1260

Fax: 408-292-6207

How is our service? [Please take our short survey.](#)

From: Sri Raghavan <[REDACTED]>

Sent: Tuesday, November 24, 2020 9:56 PM

To: Liccardo, Sam <[REDACTED]> Jones, Chappie <[REDACTED]> City Clerk <[REDACTED]>

Subject: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

[External Email]

November 24, 2020

Mayor Sam Liccardo & Council Members

City of San Jose

200 E Santa Clara Street

San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

I am a proud employee of **Bloom Energy**, which is a San Jose-based technology company with more than 700 employees locally and more than 1,200 worldwide. **Bloom Energy** manufactures unique distributed fuel-cell power systems, which are among the most energy-efficient on the planet; which virtually eliminate local air pollution like NOx, SOx and particulate matter that disproportionately impact disadvantaged communities.

The company was founded with the mission of making clean, reliable energy affordable for everyone on earth, has both altruism and innovation in its DNA. Its technology, invented in the U.S., continues to evolve and progress. **Bloom Energy** Servers can now use both biogas and renewable hydrogen, in addition to natural gas. **Bloom Energy's** technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

I am currently working in **Bloom Energy** as Sr. Design Engineer in the Installation group. We have successfully deployed lots of installation in City of San Jose as well. I reside in City of San Jose (District 1) as well. As a Bloom employee, I urge you to support the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment will allow for companies, like **Bloom Energy**, to continue to operate in San Jose and supply clean, reliable energy to aid the city and state in meeting our collective climate goals.

I appreciate you recognizing the importance of the staff recommendation from November 16, 2020 and urge your support to keep jobs within the city and allow for companies to invest and grow in San Jose.

San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. I encourage you to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely

Sri Raghavan, PE
Sr. Manager – Design Civil Engineering

[REDACTED]

District 1

Cc: Mayor Sam Liccardo, [REDACTED]
Vice Mayor Chappie Jones, [REDACTED]

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Fw: Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

City Clerk <[REDACTED]>

Wed 11/25/2020 11:41 AM

To: Agendadesk <[REDACTED]>

Office of the City Clerk | City of San José

200 E. Santa Clara St., Tower 14th Floor

San Jose, CA 95113

Main: 408-535-1260

Fax: 408-292-6207

How is our service? [Please take our short survey.](#)

From: Serena Zhao <[REDACTED]>

Sent: Tuesday, November 24, 2020 9:20 PM

To: Liccardo, Sam <[REDACTED]> Davis, Dev <[REDACTED]> Peralez, Raul

<[REDACTED]> Diep, Lan <[REDACTED]> Arenas, Sylvia

<[REDACTED]> Esparza, Maya <[REDACTED]> Jones, Chappie

<[REDACTED]> Jimenez, Sergio <[REDACTED]> Carrasco, Magdalena

<[REDACTED]> Foley, Pam <[REDACTED]> Khamis, Johnny

Cc: Agendadesk <[REDACTED]> City Clerk <[REDACTED]>

Subject: Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

[External Email]

Dear Mayor Liccardo, Vice Mayor Jones, and Council Members Jimenez, Peralez, Diep, Carrasco, Davis, Esparza, Arenas, Foley, and Khamis,

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If not watered down, this forward-thinking ordinance will go a long way toward meeting our climate-smart goals and preserving a livable climate for our children's future.

I am strongly opposed to Bloom Energy's request for an unwarranted exemption that would allow for the use of fuel cells powered by liquified "natural" gas.

Allowing an exemption for fuel cells would:

- Violate the goals of the gas ban prohibition, allowing gas to be used in new buildings not just for back-up, but for continuous, baseload power.

- Harm the climate and make it harder to achieve our climate goals.

Since the fuel cells used in Bloom Boxes are currently powered by fracked gas, **the energy they supply is much dirtier than the energy provided by either San Jose Clean Energy or PG&E.** If this energy were only used on the few days each year when a power outage occurs, that might be acceptable. However, Bloom Boxes are not economically feasible if used only to provide back-up power. On the contrary, Bloom Boxes only make sense economically if used 24/7 every day of the year, providing baseload energy to the buildings where they are installed. This is not acceptable and violates the goal of the gas ban prohibition: to ban gas! Fracked gas is fracked gas, whether it is burnt in a power plant, a building, or a fuel cell. Dirty energy should only be allowed, if needed, to provide temporary, limited back-up power, not baseload energy. Even [Forbes](#) has reported that Bloom Energy's technology is too dirty and too costly.

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San Jose should not throw away its climate goals in order to appease one company. **We cannot afford to water down our essential climate policies.** Instead, the City should allow businesses to **secure back-up power from sources that cannot be connected to the gas grid infrastructure** and should prohibit the continuous use of fossil fuels for baseload energy.

Please hold the line and insist on the **strongest possible gas ban ordinance** so that San Jose can continue to provide the climate-smart leadership so essential to preserving a livable climate for all children. What could be more important?

Sincerely,

Serena Zhao



This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Fw: Support of the Nov 16, 2020 supplemental staff memorandum for ordinance of City of San Jose to prohibit natural gas infrastructure in newly constructed buildings

City Clerk <[REDACTED]>

Wed 11/25/2020 11:41 AM

To: Agendadesk <[REDACTED]>

Office of the City Clerk | City of San José

200 E. Santa Clara St., Tower 14th Floor

San Jose, CA 95113

Main: 408-535-1260

Fax: 408-292-6207

How is our service? [Please take our short survey.](#)

From: Gene Irisari <[REDACTED]>

Sent: Tuesday, November 24, 2020 8:40 PM

To: Perez, Raul <[REDACTED]> Carrasco, Magdalena <[REDACTED]>

City Clerk <[REDACTED]>

Cc: Jay Chittooran <j.chitt[REDACTED]>

Subject: FW: Support of the Nov 16, 2020 supplemental staff memorandum for ordinance of City of San Jose to prohibit natural gas infrastructure in newly constructed buildings

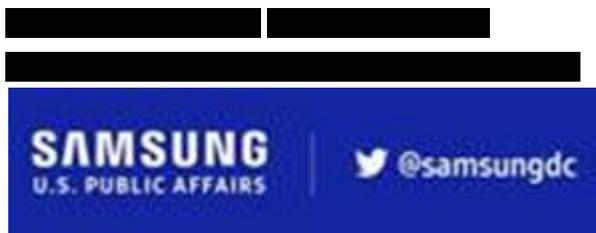
[External Email]

Wanted to forward since my colleague John had not included you in his original email. Thanks and please let us know if you have any questions.

Gene Irisari

Gene Irisari | Head of Semiconductor Policy

Office of U.S. Public Affairs (USPA) | Samsung Semiconductor



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From: John Piccone <[REDACTED]>
Sent: Tuesday, November 24, 2020 6:58 PM

To: [REDACTED]

Cc: [REDACTED]
Gene Irisari <[REDACTED]> Jay Chittooran
<[REDACTED]>

Subject: Support of the Nov 16, 2020 supplemental staff memorandum for ordinance of City of San Jose to prohibit natural gas infrastructure in newly constructed buildings

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

Samsung Semiconductor, Inc. (SSI) supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment will allow companies like SSI to continue making investments in energy resilience while aiding the city in meeting collective climate change goals.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near-zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power, and San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

John Piccone
Director, General Affairs
Samsung Semiconductor, Inc.

The above message is intended solely for the named addressee and may contain trade secret, **industrial technology or privileged and confidential information** otherwise protected under applicable law including the Unfair Competition Prevention and Trade Secret Protection Act. **Any unauthorized dissemination, distribution, copying or use of the information contained in this communication is strictly prohibited.** If you have received this communication in error, please notify the sender by email and delete this communication immediately.

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Fw: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

City Clerk <[REDACTED]>

Wed 11/25/2020 11:41 AM

To: Agendadesk <[REDACTED]>

Office of the City Clerk | City of San José

200 E. Santa Clara St., Tower 14th Floor

San Jose, CA 95113

Main: 408-535-1260

Fax: 408-292-6207

How is our service? [Please take our short survey.](#)

From: David Smith <[REDACTED]>

Sent: Tuesday, November 24, 2020 6:32 PM

To: City Clerk <[REDACTED]>

Cc: Liccardo, Sam <[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez,

Sergio <[REDACTED]> Diep, Lan <[REDACTED]> Carrasco, Magdalena

<[REDACTED]> Davis, Dev <[REDACTED]> Esparza, Maya

<[REDACTED]> Arenas, Sylvia <[REDACTED]> Foley, Pam

<[REDACTED]> <[REDACTED]> <[REDACTED]> <[REDACTED]>

<[REDACTED]> Hughey, Rosalynn <[REDACTED]>

Romanow, Kerrie <[REDACTED]> Ortbal, Jim <[REDACTED]>

Subject: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

[External Email]

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The company was founded with the mission of making clean, reliable energy affordable for everyone on earth, has both altruism and innovation in its DNA. Its technology, invented in the U.S., continues to evolve and progress. Bloom Energy Servers can now use both biogas and renewable hydrogen, in addition to natural gas. Bloom Energy's technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

I am an Enterprise Systems Engineer that has worked for Bloom Energy for nearly 6 years now. My electrical engineering background focused on developing technology solutions that benefit our state, country and world's need for both reliable and clean energy has been a key focus on my career at Bloom.

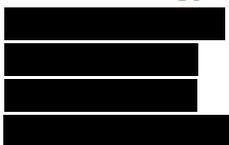
As a Bloom employee, I urge you to support the Supplemental Staff Memorandum (memo) from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability." This amendment will allow for companies, like Bloom Energy, to continue to operate in San Jose and supply clean, reliable energy to aid the city and state in meeting our collective climate goals.

I appreciate you recognizing the importance of the staff recommendation from November 16, 2020 and urge your support to keep jobs within the city and allow for companies to invest and grow in San Jose.

San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. I encourage you to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

David F. Smith, P.E.
Enterprise Systems Engineering
Bloomenergy



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November 23, 2020

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

I am a proud employee of Bloom Energy, which is a San Jose-based technology company with more than 700 employees locally and more than 1,200 worldwide. Bloom Energy manufactures unique distributed fuel-cell power systems, which are among the most energy-efficient on the planet; which virtually eliminate local air pollution like NOx, SOx and particulate matter that disproportionately impact disadvantaged communities.

The company was founded with the mission of making clean, reliable energy affordable for everyone on Earth, has both altruism and innovation in its DNA. Its technology, invented in the U.S., continues to evolve and progress. Bloom Energy Servers can now use both biogas and renewable hydrogen, in addition to natural gas. Bloom Energy's technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

I am privileged to serve as Bloom Energy's West Coast Manager in regards to Permitting/Planning helping to secure construction permissions from a variety of Authorities-Having-Jurisdiction throughout California. Our equipment has been a welcome asset to many customers and communities helping to provide compact, resilient, reliable clean energy throughout the state.

As a Bloom employee, I urge you to support the Supplemental Staff Memorandum (memo) from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability." This amendment will allow for companies, like Bloom Energy, to continue to operate in San Jose and supply clean, reliable energy to aid the city and state in meeting our collective climate goals.

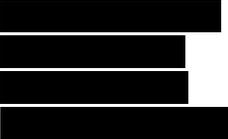
I appreciate you recognizing the importance of the staff recommendation from November 16, 2020 and urge your support to keep jobs within the city and allow for companies to invest and grow in San Jose.

San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. I encourage you to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely
James Matthews
Bloom Energy

Sincerely,

David F. Smith, P.E.
Enterprise Systems Engineering
Bloomenergy



This message is from outside the City email system. Do not open links or attachments from untrusted sources.

FW: Support of the Nov 16, 2020 supplemental staff memorandum for ordinance of City of San Jose to prohibit natural gas infrastructure in newly constructed buildings

Gene Irisari <[REDACTED]>

Tue 11/24/2020 8:40 PM

To: Perez, Raul <[REDACTED]> Carrasco, Magdalena <[REDACTED]> City Clerk

<[REDACTED]>

Cc: Jay Chittooran <[REDACTED]>

[External Email]

Wanted to forward since my colleague John had not included you in his original email. Thanks and please let us know if you have any questions.

Gene Irisari

Gene Irisari | Head of Semiconductor Policy

[REDACTED]
[REDACTED]
[REDACTED]

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From: John Piccone <[REDACTED]>

Sent: Tuesday, November 24, 2020 6:58 PM

To: [REDACTED]

Cc: [REDACTED]

Gene Irisari <[REDACTED]> Jay Chittooran

<j.chitt[REDACTED]>

Subject: Support of the Nov 16, 2020 supplemental staff memorandum for ordinance of City of San Jose to prohibit natural gas infrastructure in newly constructed buildings

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

Samsung Semiconductor, Inc. (SSI) supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment will allow companies like SSI to continue making investments in energy resilience while aiding the city in meeting collective climate change goals.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power, and San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

John Piccone
Director, General Affairs



This message is from outside the City email system. Do not open links or attachments from untrusted sources.

Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

Serena Zhao <[REDACTED]>

Tue 11/24/2020 9:20 PM

To: Liccardo, Sam <[REDACTED]> Davis, Dev <[REDACTED]> Peralez, Raul <[REDACTED]>
<[REDACTED]> Diep, Lan <[REDACTED]> Arenas, Sylvia <[REDACTED]> Esparza, Mava <[REDACTED]>
<[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez, Sergio <[REDACTED]>
<[REDACTED]> Carrasco, Magdalena <[REDACTED]> Foley, Pam <[REDACTED]>
<[REDACTED]> Khamis, Johnny <[REDACTED]> <[REDACTED]>
Cc: Agendadesk <[REDACTED]> City Clerk <[REDACTED]>

[External Email]

Dear Mayor Liccardo, Vice Mayor Jones, and Council Members Jimenez, Peralez, Diep, Carrasco, Davis, Esparza, Arenas, Foley, and Khamis,

As a San Jose resident, as a mother, and as a supporter of Mothers Out Front, **I urge you to support the Updated Natural Gas Infrastructure Prohibition Ordinance**, but reject Bloom Energy's request for an exemption for its fuel cells.

If not watered down, this forward-thinking ordinance will go a long way toward meeting our climate-smart goals and preserving a livable climate for our children's future.

I am strongly opposed to Bloom Energy's request for an unwarranted exemption that would allow for the use of fuel cells powered by liquified "natural" gas.

Allowing an exemption for fuel cells would:

- Violate the goals of the gas ban prohibition, allowing gas to be used in new buildings not just for back-up, but for continuous, baseload power.
- Harm the climate and make it harder to achieve our climate goals.

Since the fuel cells used in Bloom Boxes are currently powered by fracked gas, **the energy they supply is much dirtier than the energy provided by either San Jose Clean Energy or PG&E**. If this energy were only used on the few days each year when a power outage occurs, that might be acceptable. However, Bloom Boxes are not economically feasible if used only to provide back-up power. On the contrary, Bloom Boxes only make sense economically if used 24/7 every day of the year, providing baseload energy to the buildings where they are installed. This is not acceptable and violates the goal of the gas ban prohibition: to ban gas! Fracked gas is fracked gas, whether it is burnt in a power plant, a building, or a fuel cell. Dirty energy should only be allowed, if needed, to provide temporary, limited back-up power, not baseload energy. Even [Forbes](#) has reported that Bloom Energy's technology is too dirty and too costly.

In 2019, San Jose's use of fossil gas rose slightly. If new buildings are allowed to use Bloom Boxes, the City's use of fossil gas would go up even more. **This is destabilizing to the climate and will make it harder for San Jose to achieve our climate smart goals.** If Bloom wants to have its Bloom Boxes used in new San Jose buildings, it should be required to power its fuel cells with certified clean energy, not fracked gas.

San Jose should not throw away its climate goals in order to appease one company. **We cannot afford to water down our essential climate policies.** Instead, the City should allow businesses to **secure back-up power from sources that cannot be connected to the gas grid infrastructure** and should prohibit the continuous use of fossil fuels for baseload energy.

Please hold the line and insist on the **strongest possible gas ban ordinance** so that San Jose can continue to provide the climate-smart leadership so essential to preserving a livable climate for all children. What could be more important?

Sincerely,

Serena Zhao



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Fw: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM

Gregory, Barbara <[REDACTED]>

Tue 11/24/2020 3:42 PM

To: Agendadesk <[REDACTED]>

Thank You,

Barb Gregory  
Analyst II
Office of the City Clerk
200 E Santa Clara St FL T-14
San Jose, C-A 95112
408-535-1272 Fax: 408-292-6207
e-mail: [REDACTED]

How is our service? [Please take our short survey.](#)

From: Michael Mulcahy <[REDACTED]>

Sent: Tuesday, November 24, 2020 1:46 PM

To: [REDACTED] <[REDACTED]> Hughey, Rosalynn
<[REDACTED]> Romanow, Kerrie <[REDACTED]> Ortbal, Jim
<[REDACTED]> City Clerk <[REDACTED]>

Subject: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM

[External Email]

November 24, 2020

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

SDS NexGen Partners and its affiliated real estate, investment partnerships supports the Supplemental Staff Memorandum (memo) from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the

public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like mine to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

SDS NexGen Partners appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy. **Our business is land entitlement, retrofit of all product types and ground up development. In the case of retail for example, whether in a shopping center or mixed-use project, the City should know that the tenant community doesn’t respond as quickly as policy does. A restaurant without gas in today’s way of operating is like a firehose without water. Natural gas will remain essential for grocery, QSR, and countless other retail and food specific businesses for the foreseeable future.**

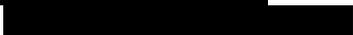
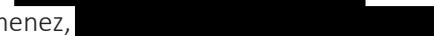
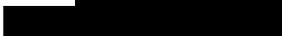
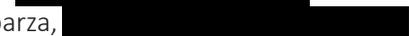
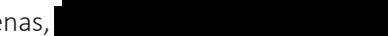
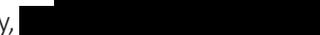
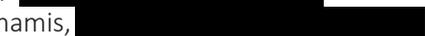
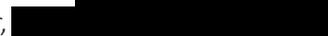
Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely



Michael P. Mulcahy
Managing Partner
SDS NexGen Partners LP
Cell 408-307-7667

Cc: Mayor Sam Liccardo, 
Vice Mayor Chappie Jones, 
Councilmember Sergio Jimenez, 
Councilmember Lan Diep, 
Councilmember Magdalena Carrasco, 
Councilmember Dev Davis, 
Councilmember Maya Esparza, 
Councilmember Sylvia Arenas, 
Councilmember Pam Foley, 
Councilmember Johnny Khamis, 
David Sykes, City Manager, 
Rosalynn Hughey, Director, Planning, Building, and Code Enforcement, 
Kerrie Romanow, Director, Environmental Services, 
Jim Ortbal, City Manager's Office 
City Clerk, 

Fw: SUPPORT FOR THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Gregory, Barbara <[REDACTED]>

Tue 11/24/2020 3:46 PM

To: Agendadesk <[REDACTED]>

Thank You,

Barb Gregory



Analyst II

Office of the City Clerk

200 E Santa Clara St FL T-14

San Jose, C-A 95112

408-535-1272 Fax: 408-292-6207

e-mail: [REDACTED]

How is our service? [Please take our short survey.](#)

From: Neeshi Patadia <[REDACTED]>

Sent: Tuesday, November 24, 2020 11:29 AM

To: City Clerk <[REDACTED]>

Cc: Liccardo, Sam <[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez,

Sergio <[REDACTED]> Diep, Lan <[REDACTED]> Carrasco, Magdalena

<[REDACTED]> Davis, Dev <[REDACTED]> Esparza, Maya

<[REDACTED]> Arenas, Sylvia <[REDACTED]> Foley, Pam

<[REDACTED]> Councilmember Johnny Khamis, <[REDACTED]> David Sykes, City

Manager, <[REDACTED]> Hughey, Rosalynn <[REDACTED]> Romanow, Kerrie

<[REDACTED]> Ortbal, Jim <[REDACTED]>

Subject: SUPPORT FOR THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

[External Email]

SUBJECT: SUPPORT FOR THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

I am an employee of Bloom Energy, which is a San Jose-based technology company with more than 700 employees locally and more than 1,200 worldwide. Bloom Energy manufactures unique distributed fuel-cell power systems, which are among the most energy-efficient on the planet and which virtually eliminate local air pollution like NOx, SOx, and particulate matter that disproportionately impact disadvantaged communities.

The company was founded with the mission of making clean, reliable energy affordable for everyone on earth. Its technology, invented in the U.S., continues to evolve and progress. Bloom Energy Servers can now use both biogas and renewable hydrogen, in addition to natural gas. Bloom Energy's technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

As a member of Bloom Energy's market strategy team, I am aware that natural gas is not a carbon free fuel. However, in the short term, it is still necessary to meet the energy needs of our community, and in the long-term the same natural gas infrastructure can be repurposed for use in transporting cleaner fuels.

As a Bloom employee, I urge you to support the Supplemental Staff Memorandum (memo) from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability." This amendment will allow for companies, like Bloom Energy, to continue to operate in San Jose and supply clean, reliable energy to aid the city and state in meeting our collective climate goals.

I appreciate you recognizing the importance of the staff recommendation from November 16, 2020 and urge your support to keep jobs within the city and allow for companies to invest and grow in San Jose.

San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. I encourage you to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

Neeshi Patadia
Market Analyst

[REDACTED]

Bloomenergy

[REDACTED]

[REDACTED]

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November 24, 2020

Mayor Sam Liccardo & Council Members

City of San Jose

200 E Santa Clara Street

San Jose, CA 95110

Dear Mayor Liccardo & Councilmembers:

Urban Community supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like ours to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

Urban Community appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

Gary Dillabough & Jeff Arrillaga
CEO / Co-founder
Urban Community

Urban Community appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near-zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

Gary Dillabough & Jeff Arrillaga
CEO / Co-founder
Urban Community

--

Karina Martinez
Executive Assistant

Urban Community

[Redacted]

[Redacted]



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Fw: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Gregory, Barbara <[REDACTED]>

Tue 11/24/2020 4:38 PM

To: Agendadesk <[REDACTED]>

Thank You,

Barb Gregory



Analyst II

Office of the City Clerk

200 E Santa Clara St FL T-14

San Jose, C-A 95112

408-535-1272 Fax: 408-292-6207

e-mail: [REDACTED]

How is our service? [Please take our short survey.](#)

From: Esparza, Maya <[REDACTED]>

Sent: Tuesday, November 24, 2020 4:09 PM

To: City Clerk <[REDACTED]>

Subject: FW: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

fyi

From: Parekh, Nik [mailto:[REDACTED]]

Sent: Tuesday, November 24, 2020 3:01 PM

To: Liccardo, Sam <[REDACTED]>

Cc: Padwal, Ash <[REDACTED]> Jones, Chappie <[REDACTED]>

Jimenez, Sergio <[REDACTED]> Diep, Lan <[REDACTED]> Carrasco,

Magdalena <[REDACTED]> Davis, Dev <[REDACTED]> Esparza,

Maya <[REDACTED]> Arenas, Sylvia <[REDACTED]> Foley, Pam

<[REDACTED]> Hughey,

Rosalynn <[REDACTED]> Romanow, Kerrie <[REDACTED]>

Ortbal, Jim <[REDACTED]>

Subject: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

[External Email]

To:
Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

Allied Telesis, Inc, supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like mine to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

Allied Telesis, Inc, appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely

On behalf of :

Mr. Ash Padwal
Chief Risk Officer
Allied Telesis, Inc

Allied Telesis, Inc. USA
3041 Orchard Pkwy, San Jose, CA 95134
Office: +1 408 519 8700 | Fax: +1 408 519 8701

Connecting the IP World

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Privacy Policy

We are committed to respecting your privacy and keeping you informed about our practices. Read our Privacy Policy: [Allied Telesis Privacy Policy](#)

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Fw: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Gregory, Barbara <[REDACTED]>

Tue 11/24/2020 4:39 PM

To: Agendadesk <[REDACTED]>

Thank You,

Barb Gregory



Analyst II

Office of the City Clerk

200 E Santa Clara St FL T-14

San Jose, C-A 95112

408-535-1272 Fax: 408-292-6207

e-mail: [REDACTED]

How is our service? [Please take our short survey.](#)

From: Tristan Becker <[REDACTED]>

Sent: Tuesday, November 24, 2020 3:48 PM

To: City Clerk <[REDACTED]>

Cc: Liccardo, Sam <[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez,

Sergio <[REDACTED]> Diep, Lan <[REDACTED]> Carrasco, Magdalena

<[REDACTED]> Davis, Dev <[REDACTED]> Esparza, Maya

<[REDACTED]> Arenas, Sylvia <[REDACTED]> Foley, Pam

<[REDACTED]> <[REDACTED]> <[REDACTED]>

<[REDACTED]> Hughey, Rosalynn <[REDACTED]>

Romanow, Kerrie <[REDACTED]>

Subject: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

[External Email]

Dear Mayor Liccardo & Councilmembers:

I am a proud employee of Bloom Energy, which is a San Jose-based technology company with more than 700 employees locally and more than

1,200 worldwide. Bloom Energy manufactures unique distributed fuel-cell power systems, which are among the most energy-efficient on the planet; which virtually eliminate local air pollution like NOx, SOx and particulate matter that disproportionately impact disadvantaged communities.

The company was founded with the mission of making clean, reliable energy affordable for everyone on earth, has both altruism and innovation in its DNA. Its technology, invented in the U.S., continues to evolve and progress. Bloom Energy Servers can now use both biogas and renewable hydrogen, in addition to natural gas. Bloom Energy's technology is the most advanced on the market today to create electricity from natural gas – the reformation of which is one of the most efficient ways to derive hydrogen fuel today.

I work in sales at Bloom, and our customers in PG&E territory are not satisfied with the reliability they are receiving for electricity. These customers say that it is getting harder and harder to do business in CA with the increasing taxes, rising electricity costs, and rapidly decreasing power reliability due to PSPS outages/blackouts/etc. We want to keep these companies in our state because of the great jobs they bring to our local community.

Bloom's fuel cell microgrids enable customers to increase reliability for their manufacturing plants, hospitals, datacenters, retail stores, college campuses, etc. because the natural gas grid is a much more reliable fuel source than PG&E. The gas pipeline is all underground and flows directly into our fuel cells, onsite, without combustion. Most customers don't have nearly enough space onsite to put a large enough solar system onsite to meaningfully carry their load during an outage. These Bloom microgrids are power dense, save our customers \$MM of dollars, and help the environment because customers do not need to run their diesel generators anymore.

As a Bloom employee, I urge you to support the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director

will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment will allow for companies, like Bloom Energy, to continue to operate in San Jose and supply clean, reliable energy to aid the city and state in meeting our collective climate goals.

I appreciate you recognizing the importance of the staff recommendation from November 16, 2020 and urge your support to keep jobs within the city and allow for companies to invest and grow in San Jose.

San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. I encourage you to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

Tristan E. Becker
Lives in 48th District of CA

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Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

Guadalupe Friez <[REDACTED]>

Wed 11/25/2020 5:09 PM

To: Liccardo, Sam <[REDACTED]> Davis, Dev <[REDACTED]> Peralez, Raul
<[REDACTED]> Diep, Lan <[REDACTED]> Arenas, Sylvia <[REDACTED]> Esparza,
Mava <[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez, Sergio
<[REDACTED]> Carrasco, Magdalena <[REDACTED]> Foley, Pam
<[REDACTED]> Khamis, Johnny <[REDACTED]>
Cc: Agendadesk <[REDACTED]> City Clerk <[REDACTED]>

[External Email]

Dear Mayor Liccardo, Vice Mayor Jones, and Council Members Jimenez, Peralez, Diep, Carrasco, Davis, Esparza, Arenas, Foley, and Khamis,

*As a San Jose resident, as a mother/abuela/ concerned citizen, and as a supporter of Mothers Out Front, **I urge you to support the Updated Natural Gas Infrastructure Prohibition Ordinance**, but reject Bloom Energy's request for an exemption for its fuel cells.*

If not watered down, this forward-thinking ordinance will go a long way toward meeting our climate-smart goals and preserving a livable climate for our children's future.

*But **I am strongly opposed to Bloom Energy's request for an unwarranted exemption that would allow for the use of fuel cells powered by liquified "natural" gas.***

Allowing an exemption for fuel cells would:

- *Violate the goals of the gas ban prohibition, allowing gas to be used in new buildings not just for back-up, but for continuous, baseload power.*
- *Harm the climate and make it harder to achieve our climate goals.*

*Since the fuel cells used in Bloom Boxes are currently powered by fracked gas, **the energy they supply is much dirtier than the energy provided by either San Jose Clean Energy or PG&E.** If this energy were only used on the few days each year when a power outage occurs, that might be acceptable. However, Bloom Boxes are not economically feasible if used only to provide back-up power. On the contrary, Bloom Boxes only make*

sense economically if used 24/7 every day of the year, providing baseload energy to the buildings where they are installed. This is not acceptable and violates the goal of the gas ban prohibition: to ban gas! Fracked gas is fracked gas, whether it is burnt in a power plant, a building, or a fuel cell. Dirty energy should only be allowed, if needed, to provide temporary, limited back-up power, not baseload energy. Even [Forbes](#) has reported that Bloom Energy's technology is too dirty and too costly.

*In 2019, San Jose's use of fossil gas rose slightly. If new buildings are allowed to use Bloom Boxes, the City's use of fossil gas would go up even more. **This is destabilizing to the climate and will make it harder for San Jose to achieve our climate smart goals.** If Bloom wants to have its Bloom Boxes used in new San Jose buildings, it should be required to power its fuel cells with certified clean energy, not fracked gas.*

*San Jose should not throw away its climate goals in order to appease one company. **We cannot afford to water down our essential climate policies.** Instead, the City should allow businesses to **secure back-up power from sources that cannot be connected to the gas grid infrastructure** and should prohibit the continuous use of fossil fuels for baseload energy.*

*Please hold the line and insist on the **strongest possible gas ban ordinances** so that San Jose can continue to provide the climate-smart leadership so essential to preserving a livable climate for all children. What could be more important?*

Sincerely,

Guadalupe Friez

██████████

██████████

Support updated gas ban; reject exemption for dirty fuel cells (12/1 City Council meeting)

Annie Haines <[REDACTED]>

Wed 11/25/2020 5:14 PM

To: Liccardo, Sam <[REDACTED]> Davis, Dev <[REDACTED]> Peralez, Raul <[REDACTED]>
<[REDACTED]> Diep, Lan <[REDACTED]> Arenas, Sylvia <[REDACTED]> Esparza, Mava <[REDACTED]>
<[REDACTED]> Jones, Chappie <[REDACTED]> Jimenez, Sergio <[REDACTED]>
<[REDACTED]> Carrasco, Magdalena <[REDACTED]> Foley, Pam <[REDACTED]>
<[REDACTED]> Khamis, Johnny <[REDACTED]> <[REDACTED]>
Cc: Agendadesk <[REDACTED]> City Clerk <[REDACTED]>

[External Email]

Dear Mayor Liccardo, Vice Mayor Jones, and Council Members Jimenez, Peralez, Diep, Carrasco, Davis, Esparza, Arenas, Foley, and Khamis,

*As a San Jose resident, as a concerned citizen and as a supporter of Mothers Out Front, **I urge you to support the Updated Natural Gas Infrastructure Prohibition Ordinance**, but reject Bloom Energy's request for an exemption for its fuel cells.*

If not watered down, this forward-thinking ordinance will go a long way toward meeting our climate-smart goals and preserving a livable climate for our children's future.

But I am strongly opposed to Bloom Energy's request for an unwarranted exemption that would allow for the use of fuel cells powered by liquified "natural" gas.

Allowing an exemption for fuel cells would:

- Violate the goals of the gas ban prohibition, allowing gas to be used in new buildings not just for back-up, but for continuous, baseload power.*
- Harm the climate and make it harder to achieve our climate goals.*

*Since the fuel cells used in Bloom Boxes are currently powered by fracked gas, **the energy they supply is much dirtier than the energy provided by either San Jose Clean Energy or PG&E.** If this energy were only used on the few days each year when a power outage occurs, that might be acceptable. However, Bloom Boxes are not economically feasible if used only to provide back-up power. On the contrary, Bloom Boxes only make sense economically if used 24/7 every day of the year, providing baseload energy to the buildings where they are installed. This is not acceptable and violates the goal of the gas ban prohibition: to ban gas! Fracked gas is fracked gas, whether it is burnt in a power plant, a building, or a fuel cell. Dirty energy should only be allowed, if needed, to provide temporary, limited back-up power, not baseload energy. Even [Forbes](#) has reported that Bloom Energy's technology is too dirty and too costly.*

*In 2019, San Jose's use of fossil gas rose slightly. If new buildings are allowed to use Bloom Boxes, the City's use of fossil gas would go up even more. **This is destabilizing to the climate and will make it harder for San Jose to achieve our climate smart goals.** If Bloom wants to have its Bloom Boxes used in new San Jose buildings, it should be required to power its fuel cells with certified clean energy, not fracked gas.*

*San Jose should not throw away its climate goals in order to appease one company. **We cannot afford to water down our essential climate policies.** Instead, the City should allow businesses to **secure back-up power from sources that cannot be connected to the gas grid infrastructure** and should prohibit the continuous use of fossil fuels for baseload energy.*

*Please hold the line and insist on the **strongest possible gas ban ordinance** so that San Jose can continue to provide the climate-smart leadership so essential to preserving a livable climate for all children. What could be more important?*

Sincerely,

Annie Haines



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110 W. Taylor Street
San Jose, CA 95110-2131

November 24, 2020

Mayor Sam Liccardo & Councilmembers
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

San Jose Water supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like mine to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

San Jose Water appreciates the Council for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy. We have maintained a long tradition of protecting and preserving the environment since our inception in 1866. Our company is strongly committed to sustainability, and is investing in programs, practices and technologies to reduce our carbon footprint while ensuring uninterrupted water service to our customers and to the communities where we live, work, and serve. These include implementing advanced acoustic leak detection, energy recovery hydroturbines, and industrial control systems to efficiently utilize energy and water resources, converting our utility fleet to bio-diesel, and signing on to the Bay Area Air Quality Management District’s Cut the Commute pledge to reduce employee commuting by increasing teleworking by twenty-five percent.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green

energy future to be powered by near- zero and zero emissions fuels. San Jose Water believes that it is critical to allow for a clean, distributed energy future for both routine and emergency needs.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

[Redacted]

Andrew R. Gere, P.E.
President and Chief Operating Officer

Cc: Mayor Sam Liccardo, [Redacted]
Vice Mayor Chappie Jones, [Redacted]
Councilmember Sergio Jimenez, [Redacted]
Councilmember Lan Diep, [Redacted]
Councilmember Magdalena Carrasco, [Redacted]
Councilmember Dev Davis, [Redacted]
Councilmember Maya Esparza, [Redacted]
Councilmember Sylvia Arenas, [Redacted]
Councilmember Pam Foley, [Redacted]
Councilmember Johnny Khamis, [Redacted]
David Sykes, City Manager, [Redacted]
Rosalynn Hughey, Director, Planning, Building, and Code Enforcement,
[Redacted]
Kerrie Romanow, Director, Environmental Services, [Redacted]
Jim Ortbal, City Manager's Office [Redacted]



84 West Santa Clara St., Suite 600 | San Jose, CA 95113 | 408.292.1601 | [REDACTED]

November 24, 2020

Mayor Sam Liccardo,
San Jose City Council
200 East Santa Clara Street
San Jose, CA 95113

**RE: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF
MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO
PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY
CONSTRUCTED BUILDINGS**

Mayor Liccardo and Honorable City Council:

Republic Urban Properties (“RUP”) supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like RUP to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

RUP appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy. However, RUP never supported “all electric” for mixed-use developments with ground floor retail uses. By allowing more flexibility within the ordinance, RUP and other commercial, mixed-use developers, will have more success in attracting quality retail tenants for important mixed-use, transit orientated developments.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to

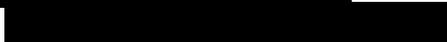
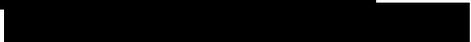
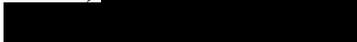
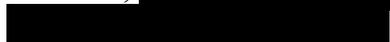
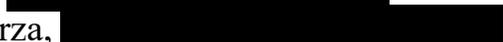
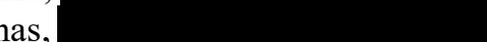
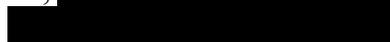
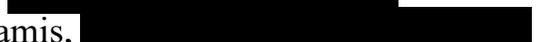
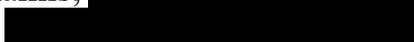
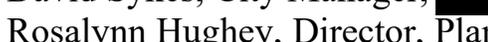
have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely



Michael R. Van Every
President/CEO

Cc: Mayor Sam Liccardo, 
Vice Mayor Chappie Jones, 
Councilmember Sergio Jimenez, 
Councilmember Lan Diep, 
Councilmember Magdalena Carrasco, 
Councilmember Dev Davis, 
Councilmember Maya Esparza, 
Councilmember Sylvia Arenas, 
Councilmember Pam Foley, 
Councilmember Johnny Khamis, 
David Sykes, City Manager, 
Rosalynn Hughey, Director, Planning, Building, and Code Enforcement, 

Kerrie Romanow, Director, Environmental Services, 

Jim Ortbal, City Manager's Office 



5245 Hellyer Avenue, San Jose, CA 95138
Tel: 408-414-9200, Fax: 408-414-9744
www.power.com

November 24, 2020

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

**SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF
MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT
NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS**

Dear Mayor Liccardo & Councilmembers:

Power Integrations supports the Supplemental Staff Memorandum (memo) from November 16, 2020, “to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability.” This amendment in the memo will allow companies like mine to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels.

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,

A solid black rectangular box used to redact the signature of the sender.

Name: Balu Balakrishnan
Title: President and CEO
Company: Power Integrations



5245 Hellyer Avenue, San Jose, CA 95138
Tel: 408-414-9200, Fax: 408-414-9744
www.power.com

Cc: Mayor Sam Liccardo, [REDACTED]
Vice Mayor Chappie Jones, [REDACTED]
Councilmember Sergio Jimenez, [REDACTED]
Councilmember Lan Diep, [REDACTED]
Councilmember Magdalena Carrasco, [REDACTED]
Councilmember Dev Davis, [REDACTED]
Councilmember Maya Esparza, [REDACTED]
Councilmember Sylvia Arenas, [REDACTED]
Councilmember Pam Foley, [REDACTED]
Councilmember Johnny Khamis, [REDACTED]
David Sykes, City Manager, [REDACTED]
Rosalynn Hughey, Director, Planning, Building, and Code Enforcement,
[REDACTED]
Kerrie Romanow, Director, Environmental Services, [REDACTED]
Jim Ortbal, City Manager's Office [REDACTED]



TECHNET
THE VOICE OF THE
INNOVATION ECONOMY

TechNet California and the Southwest | Telephone 916.600.3551
915 L Street, Suite 1270, Sacramento, CA 95814
www.technet.org | @TechNetUpdate

November 25, 2020

San Jose City Council
200 E. Santa Clara Street
San Jose, CA 95113

**Re: 20-1445 Updated Natural Gas Infrastructure Prohibition Ordinance-
Support Supplemental Staff Memo**

Dear Councilmembers,

TechNet is the national, bipartisan network of technology CEOs and senior executives that promotes the growth of the innovation economy. TechNet's diverse membership includes dynamic American businesses ranging from startups to the most iconic companies on the planet and represents more than three million employees in the fields of information technology, e-commerce, clean energy, gig and sharing economy, venture capital, and finance. TechNet is committed to advancing the public policies and private sector initiatives that make the U.S. the most innovative country in the world.

TechNet supports the supplemental staff memorandum from November 16, 2020, which recommends language allowing for exemptions for resiliency purposes, provided those sources meet strict GHG emission standards. It is critical these proposed changes to the ordinance are adopted to allow for reliable energy sources to continue to be available in times of need.

The technology industry has become increasingly dependent on an uninterrupted supply of electricity. The innovation economy has recognized the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure a reliable energy source. Grid outages have accelerated a market demand for resilient technologies for businesses and data centers. TechNet recognizes the value of electricity supplies that are able to "ride through" outages of the electricity distribution system and restore the distribution system more rapidly after an outage. For these reasons, we support the modifications called for in the supplemental staff memorandum from November 16, 2020, which balance environmental integrity with resiliency needs.

Thank you for your consideration and if you have any questions, please do not hesitate to contact Cameron Demetre, Deputy Executive Director, at 916-903-8070 or

Sincerely,



Cameron Demetre
Deputy Executive Director, California and the Southwest
TechNet



November 25, 2020

Mayor Sam Liccardo & Council Members
City of San Jose
200 E Santa Clara Street
San Jose, CA 95110

SUBJECT: SUPPORT OF THE NOVEMBER 16, 2020 SUPPLEMENTAL STAFF MEMORANDUM FOR ORDINANCE OF CITY OF SAN JOSE TO PROHIBIT NATURAL GAS INFRASTRUCTURE IN NEWLY CONSTRUCTED BUILDINGS

Dear Mayor Liccardo & Councilmembers:

Borelli Investment Company supports the Supplemental Staff Memorandum (memo) from November 16, 2020, "to allow for exemptions for facilities with distributed energy resources that meet Section 94203 of Title 17 California Code of Regulation requirements and are necessary for the public health, safety or economic welfare in the event of the ever-increasing electric grid outages facing our state, until December 31, 2023, or until low- or zero-carbon fuels are commercially available for the supply pipeline. The Director will report to Council no later than December 31, 2023, on low- and zero-carbon fuel availability." This amendment in the memo will allow companies like mine to continue making investments in their own energy resilience while aiding the city in meeting our collective climate change goals.

Borelli Investment Company appreciates the San Jose City Council (Council) for recognizing the need for resilience, due to the changing climate and impacts from public safety power shutoffs, and the ability for customers to ensure reliable energy. (www.borelli.com)

Ensuring a steady supply of energy is critical to our daily operations. We are also interested in clean, reliable energy solutions to maintain operations and want to have the options to make these investments in the future for our employees, communities and the state as a whole. By allowing infrastructure to be installed and maintained into the future, we are allowing for a green energy future to be powered by near- zero and zero emissions fuels. (www.borelli.com)

Businesses need the ability to invest in technologies that provide clean and consistent power. San Jose can and should be a leader in utilizing clean technology solutions to increase energy resiliency. We encourage the Council to support the memo from November 16, 2020 to enable businesses to ensure they can operate reliably.

Sincerely,


Ralph Borelli
Chairman
Borelli Investment Company

INDUSTRIAL / COMMERCIAL REAL ESTATE SERVICES