

CORRESPONDENCE FROM 12/05/2023
MUNICIPAL SERVICES COMMITTEE
MEETING

Kenebrew, Jerice

From: Mishka Michon -
Sent: Friday, December 1, 2023 5:25 PM
To: Kenebrew, Jerice
Subject: regarding power in Pasadena

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We have no choice - we must resolve to go electric by 2030. We can set an example for others, even now, by adopting an IRP that gets us to the goal. Every city and municipality must do this and our success will demonstrate how it can be done.

Please support this important action.


Thank you

Mishka Michon

Kenebrew, Jerice

From: i
Sent: Friday, December 1, 2023 5:43 PM
To: Kenebrew, Jerice
Subject: I support 100% clean energy for Pasadena

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Dear MSC members,

My wife and I strongly support efforts to address climate change, which is why we have installed solar panels, drive a hybrid electric care, installed a gray water system and have taken other steps to lower our carbon footprint (such as not consuming meat).

We therefore totally support our City becoming 100% carbon free by 2030. This is also what the City Council called for. Therefore, we urge you to produce a plan to reach this goal.


This is a matter of our children's future, as well as the future of life on our precious planet.

Anthony Manousos

Kenebrew, Jerice

From: Therese Brummel <
Sent: Friday, December 1, 2023 5:54 PM
To: Kenebrew, Jerice
Subject: Climate Change

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Councilmembers,

I care about climate change!
I am in favor of carbon free energy by 2030.
Thank you for your service to the citizens of Pasadena.

Therese Brummel
D2 x 44 years.


Sent from my iPhone

Kenebrew, Jerice

From: Jenna Hoover Cobb
Sent: Sunday, December 3, 2023 2:35 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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City Council Members, My name is Jenna Cobb, I am a resident of Pasadena district 2, and I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030. Thank you!

Kenebrew, Jerice

From: Julie Parker
Sent: Monday, December 4, 2023 9:18 AM
To: Kenebrew, Jerice
Subject: Carbon-free energy by 2030!!

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Dear Pasadena City Council members:

We are watching you to make sure you hold strong

to your determination to ease Pasadena off fossil fuel dependence by 2030!!


What Pasadena does affects all of its contiguous communities, and encourages them to match that resolve.

Peter and Julie Parker

Kenebrew, Jerice

From: Scott Habermehl <shabermehl@pasadena.net>
Sent: Monday, December 4, 2023 10:02 AM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

Some people who received this message don't often get email from shabermehl@pasadena.net. [Learn why this is important](#)

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Dear City Council Members,

My name is Scott Habermehl, I am a resident of Pasadena district 7, and I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030.

Thank you,
Scott Habermehl

Kenebrew, Jerice

From: Andrew Cobb
Sent: Monday, December 4, 2023 11:59 AM
To: Kenebrew, Jerice
Subject: 100% carbon free by 2030

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Pasadena should be an energy leader and go Carbon-free by 2030! It's clear that Climate change is here and it needs to be responded to with the appropriate expediency and effort.

Thank you!
Andrew Cobb
District 2 Resident

Kenebrew, Jerice

From: Robert Haw
Sent: Monday, December 4, 2023 2:50 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5, Written Comment - Agenda Item 1 - Support for Clean-energy by 2031

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City Council Members:

In 2016 I founded *Pasadena 100*. Today I sit on its Steering Committee.

PWP is selecting a portfolio-for-the-future concurrently with this year's UN climate conference, COP28. Listen to what California Attorney General Robert Bonta, speaking at COP28, has to say about California climate solutions (1-minute between 8:00-9:00 www.youtube.com/watch?v=ICUkODT3bUY). "It's time to make a difference."

Five weeks ago a senior vice-president at Southern California Edison, Erik Takayesu, said with regard to rooftop solar and household batteries, "You're going to need more local resources — there's no doubt about that. The work starts now." (Sammy Roth, L.A. Times, Oct 30, 2023.)

Both of these gentlemen speak of climate situations and empirical realities in stark contrast to the messaging delivered by PWP spokespeople. PWP has never been forthright about climate risks and dangers to its customers. Since PWP does not employ adequate outreach efforts, **I encourage MSC to urge PWP to do so.**

1. **In parallel with designing an aggressive, bespoke clean-energy acquisition strategy that is consistent with objective, climate reality ...**
2. **Publicize and extol that clean-energy program.**

The 2023 IRP document shows that a portfolio with almost 90% clean-energy is possible by 2030 for only marginally higher rates compared to the default 60% clean-energy case (Scenario 5 v. Scenario 4). As I've written previously (letter to MSC, Oct 10), Scenario 5 shows a representative ratepayer's rates will increase by only \$6/month with respect to Scenario 4 (year-on-year). *That increment is not significant when considering that the price of gasoline now is almost \$6 per gallon.*

If PWP requires another 6-months to prepare such an affordable plan, then set them to that task after they finalize this year's IRP, and have them report back to you when it's complete.

So in the spirit of COP28, I urge you to hold PWP fast to a 2030 clean-energy plan representing more ambition than the minimum, default requirement mandated by State law (*i.e.* Scenario 4).

Sincerely,
Robert Haw

P.S. Regarding Scenario 5

It modeled the Social Cost of Carbon and successfully identified a unique and viable scenario (Scenario 5).

Note: having an outline of the plan described by the scenario is sufficient. It's not necessary to actually set about including SCC in daily market bids and customer billing, so long as a clean-energy portfolio similar to Scenario 5 is acquired.

Kenebrew, Jerice

From: Allan Spring
Sent: Monday, December 4, 2023 8:11 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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City Council Members,

My name is Allan Spring, I am a resident of Pasadena district 4, and I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030.

Allan Spring

Kenebrew, Jerice

From: Rick Kitagawa
Sent: Monday, December 4, 2023 9:56 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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Esteemed City Council Members,

My name is Rick Kitagawa, I am a resident and business owner in Pasadena district 2, and I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030. The current IRP draft is missing the urgency of shifting Pasadena's power to 100% carbon free electricity - getting to 55% in 2028 is too slow and we need solutions for challenges like the Goodrich bottleneck now.

I understand these are huge issues and complex problems, but we need you to be the leaders who can turn things around and be the change-makers that Pasadena, California, and the world needs.

Regards,
Rick Kitagawa

--

Rick Kitagawa


Sign up for my posts on leadership, creativity, and leveling up

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Kenebrew, Jerice

From: Michael Robertson
Sent: Monday, December 4, 2023 10:48 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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City Council Members, my name is Michael Robertson, I am a professional environmental scientist and resident of Pasadena District 4. I urge you to require that the Integrated Resource Plan be submitted with a plan to actually reach 100% carbon free power by 2030.

The City Council unanimously voted to adopt 100% carbon free power by 2030. Nearby municipalities are already ahead of us. Let's show the world why Pasadena is a great place to live by competing and winning in the quest for carbon free power.

There is nothing stopping the City of Pasadena except Pasadena Water and Power that hasn't even come up with a realistic plan to reach the city mandates. I am disappointed to see that PWP is failing us by not making good on the city council's resolution with a plan that achieves the mission set forth in January's resolution. The whole world is watching and it is imperative that Pasadena make the right choices to ensure our power is responsibly sourced.

Please make honor the resolution passed by the city council and ensure Pasadena has clean power for all by 2030! Our future depends on it and we need to be on the right side of history at such a historic moment.

Thank you!

Kenebrew, Jerice

From: Jamie Scott
Sent: Monday, December 4, 2023 11:38 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: RE: Today's MSC Meeting (Dec 5th) Agenda item #1: IR Draft

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Dear Members of the MSC,

I am writing to encourage you to insist upon an IRP that clearly shows how PWP will get Pasadena to 100% clean energy by the end of 2030.

If necessary, demand that they file for an extension, to give PWP time to produce a viable plan that fulfills the City Council's resolution.

Thank you for your work on this important issue!

Sincerely
Jamie Scott

Sent from my iPhone
Jamie ScottMD, PhD

I gratefully acknowledge that I work, play & live on the traditional lands of the Gabrieliño-Tongva peoples.

Kenebrew, Jerice

From: brenden
Sent: Tuesday, December 5, 2023 12:04 AM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Cc: brenden
Subject: RE: Today's MSC Meeting (Dec 5th) Agenda item #1: IR Draft

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City council members

My name is Felix Breden and I live in District 6

I encourage you to pass a IRP that clearly states that 100% Carbon free energy by 2030 is the City Council's mandate.

I plead with you to include more careful support for community and individual solar, to include support for lower income households to help with any rate increases due to adoption of this plan.

Please provide detail in the Draft for getting from 55% in 2028 to 100% in 2030.


Pasadena has the chance to help save the world for our children, and be a recognized leader in promoting carbon-free energy, let's get this done!

thank you for your bravery

felix brenden

Kenebrew, Jerice

From: Wesley Reutimann
Sent: Tuesday, December 5, 2023 7:05 AM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Cc: Kristin Chew Reutimann;_
Subject: sMSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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Dear Committee Members,

As residents of Pasadena district 6, the Reutimann household urges you to require that a clear, actionable IRP be submitted with regular milestones to monitor progress towards realizing 100% carbon free electricity by 2030.

Thank you!

-The Reutimann household

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MSC comments and Questions – PWP – Power IRP – Dec. 5, 2023 meeting

2023 DEC -5 AM 9:48

From: Rhoads Stephenson, District 5.

CITY CLERK
CITY OF PADENA

Suggestions to MSC:

1. I think you should approve this plan this afternoon.
 - a. If necessary, amend it, but then approve the amended document and send it to the City Council.

Suggestions to PWP as they implement the updated IRP:


1. Please do not buy any non-renewable power from Utah IPP.
2. And don't get sucked into fossil fuels to make sure the Utah transmission lines are used. They are a sunk cost.
3. The City should provide incentives for rooftop solar?
4. The revised IRP should include Community Solar. If not, why not?
 - a. Many people can't do rooftop solar.
 - b. This will also reduce constraints due to the Goodrich receiving station.
5. The Goodrich upgrade project completion goal should be moved up to 2029.
 - a. Otherwise, there is no way to meet the 2030 goal of 100% renewables.
 - b. If not moved up, this Plan is internally inconsistent.
6. You should consider adding another receiving station.
 - a. It could be powered by LADWP
 - b. This would provide redundancy in sources in case of outages.
 - c. You may have to subdivide the grid to allow two different sources to be drawing power simultaneously. Because of frequency and phase differences.
 - i. But you can provide an inter-connect so that either side can power the other side.
 - ii. Many neighboring water districts do this now. La Canada and La Crescenta, for example.

Questions to the PWP:

1. What is status of CAP update?
2. What is being done to make sure the CAP and Power IRP are consistent.
3. When will this IRP be reviewed and approved by City Council?
4. Has PWP accounted for the electricity used by the city to pump water around the City? Water has a carbon footprint also.
5. How much storage (inside the City boundaries) is included? Battery, H₂, compressed gas, or other?
6. How much will the Glenarm Plant be used?
7. How do you account for the Caltech emissions? Including CO₂, methane, and criteria pollutants
8. Who is including JPL emissions? Pasadena, La Canada, or no one?
9. When will CAISO be 100% renewable with no use of fossil fuels?

Kenebrew, Jerice

From: Sonja Berndt
Sent: Tuesday, December 5, 2023 8:52 AM
To: Kenebrew, Jerice; Stevenson, Garrett; Williams, Felicia; Hampton, Tyron; Lyon, Jason; Jones, Justin; Sabha, Tamer
Subject: MSC Meeting 12/5/2023 -- Public Comment on Agenda Item #1: Support for 100% Carbon Free Electricity by 2030

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Dear City Council/Committee Members:

My name is Sonja Berndt. I am a longtime resident of Pasadena, District 4. I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030. Pasadena 100 has identified several problems with the current draft of the IRP. I urge you to adopt their recommendations and insist that the final draft of the IRP incorporate all of Pasadena 100's recommendations. Thank you.

Sonja Berndt
Pasadena

Sabha, Tamer

From:
Sent: Tuesday, December 5, 2023 11:06 AM
To: Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Cc: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer
Subject: Municipal Services Committee Meeting - Agenda Item 1

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TO: Municipal Services Committee. Jason Lyon, Justin Jones, Felicia Williams, Tyrone Hampton
DATE: December 5, 2023
RE: Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

Neither the Draft 2023 IRP nor the 2023 Power IRP Addendum affirms Pasadena Water and Power's commitment to sourcing 100% of electricity from carbon-free sources by the end of 2030 as mandated by City Council Resolution No. 9977 and reiterated in the September 26, 2023 Memorandum from the Pasadena Environmental Advisory Commission to Pasadena City Council.

The Addendum requested by Municipal Services Committee during its November 14, 2023 meeting is essentially a list of six studies to be commissioned by PWP. The concluding Summary lists minimum State requirements for renewable energy with no mention of City Council Resolution No. 9977.

At today's meeting, the Municipal Services Committee should require a clear explanation of PWP's assertion in the Addendum that **"The synergies that have been strategically embedded in this plan [Draft 2023 Power IRP] preserve the 2030 Carbon Free policy goal without any opportunity cost from a planning perspective."**

PWP has not met the Council's goal for 100% carbon-free electricity by the end of 2030; PWP needs an extension to meet Council's goals and to remove typographical errors from their document. A request for extension must be submitted within 15 days of the submission deadline.


PLEASE VOTE NO: ADOPTION AND APPROVAL OF THE 2023 POWER IRP.

City Council should require PWP to file an extension in order to explicitly state PWP's intention to meet the 2030 goal and to resolve typographical errors in the IRP document.

Genette Foster
Council District 2

Sabha, Tamer

From: Blair Miller
Sent: Tuesday, December 5, 2023 12:53 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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City Council Members,

I urge you to require that the Integrated Resource Plan be updated to achieve 100% carbon free electricity by 2030.

Specifically, I call your attention to two points from the Pasadena 100 analysis of the latest draft of the IRP:

1) The Draft IRP is back loaded so that the Waypoint in 2028 will be too late to make necessary adjustments.

Please direct staff to update the plan for distributing resource procurement, including a 2026 Waypoint for evaluation of all aspects of the plan.

2) The Draft IRP minimizes resources from residential and community solar, and threatens the only incentive for private investment in local generation.

Please direct staff to remove changes to net energy metering that risk destabilizing the market, and to begin a marketing campaign for private investment in rooftop solar.

Pasadena 100 is doing a tremendous amount of work to help Pasadena actually achieve the stated goal of 100% carbon free electricity by 2030. Please give their efforts careful consideration, and please do not let a failure to plan correctly create an emergency for the City.

Thank you,

Blair Miller

Sabha, Tamer

From: Colin Bogart
Sent: Tuesday, December 5, 2023 1:02 PM
To: Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Cc: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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Dear MSC Councilmembers,


My name is Colin Bogart and I am a resident of Pasadena District 1. I urge you to require that the Integrated Resource Plan be submitted with a plan that will achieve 100% carbon free electricity by 2030. We've made a lot of progress so far and I really appreciate that you have asked PWP to do better. Please continue to hold PWP to a high standard. The IRP is too important not to include a clear path to 100% carbon free electricity. Thank you.

Sincerely,

Colin Bogart
Pasadena District 1, 91103

Sabha, Tamer

From: Sam Berndt <sberndt@pasadena100.com>
Sent: Tuesday, December 5, 2023 2:32 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Cc: Pasadena 100 Steering Committee
Subject: MSC 12/5 - Agenda Item 1 - Public Comment - Plan for 100% Carbon Free Electricity
Attachments: MSC 12_5 Technical Analysis.pdf

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Municipal Services Committee,

The 12-5 IRP draft (the "Draft") needs more work in order to be a workable plan for our city's transition to 100% carbon free electric power by December 31, 2030. We in PASADENA 100 have identified six major problems and solutions, below:

- Problem:** The Draft (IRP, RPS Procurement Plan and RPS Enforcement Plan) **does not state** that Pasadena's plan is to achieve 100% carbon free electric power by the end of 2030.
Solution: *State that the plan is 100% carbon free electric power by December 2030 in all 3 documents.*
- Problem:** The Draft targets 55% carbon free electricity by 2028, but **does not detail what happens between 2028 and 2030.**
Solution: *Provide detail in the Draft for getting from 55% in 2028 to 100% in 2030.*
- Problem:** The Draft relies on a rough unfinished **non-optimized scenario.**
Solution: *Complete plan development as envisioned, using the "building block scenarios" in a 2024 IRP update. Incorporate elements of Scenarios 1-5, model and deliver a useful but flexible plan with regular milestones, evaluation, and transparency to achieve the 2030 goal.*
- Problem:** **The Draft is back loaded** so that the Waypoint in **2028 will be too late to make necessary adjustments.**
Solution: *Correct the backloading by better distributing resource procurement. Include a 2026 Waypoint for evaluation of all aspects of the plan (not just Goodrich).*
- Problem:** Too much **delay and aspirational statements.**
Solution: *In Q1 of 2024 implement demand reduction, develop storage, accelerate PPAs. There is no reason to wait 2 years (until 2026) to evaluate how to correct the Goodrich bottleneck. Pilot rate discounts for low-income ratepayers.*
- Problem:** The Draft **minimizes resources from DER** (residential /community solar) and threatens the **ONLY** incentive for private investment in local generation.
Solution: *Remove references in the Draft to changes to NEM that risk destabilizing the market. Scenario #2 needs to be balanced with Scenario #3 in the 2024 modeling by doubling DER and other factors. In Q1 2024, begin a marketing campaign for private investment in rooftop solar, commit to NEM 1, remove caps and other obstacles.*

A more detailed technical analysis with in depth suggestions from PASADENA 100 may be found attached.

Thanks,
Sam Berndt
On behalf of PASADENA 100

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APR 25 - 5 21 2: 40

12/5 IRP Problems & Solutions

1. Plan to achieve the 2030 Goal

- a. **Problem:** The IRP Document, RPS Procurement Plan, and RPS Enforcement plan do not plan to bring us to carbon free by 2030. If you don't have a plan, you won't get anywhere. The IRP document brings us to 2028. The RPS Procurement Plan and RPS Enforcement plan, the documents that PWP will follow to guide their procurement strategy, only aim to achieve state goals of 60% RPS by 2030.
- i. PWP's RPS Procurement Plan (Figures 1, 4) and RPS Enforcement Plans (Figure 1) only aim and plan to be enforced to achieve 60% RPS by 2030.
 - ii. Scenario 2, the scenario chosen for the 2028 Waypoint, only aims to achieve 55% carbon free by 2028 (IRP Figure 161), leaving the remaining 45% between 2028 and 2030.
 - iii. Scenario 2 backloads 1015 MW of resources to be procured in 2030.
 - iv. The IRP, RPS Procurement Plan, and the RPS Enforcement Plan never explicitly states it is the plan to get to 100% by 2030.
 - v. The Environmental Advisory Commission in their 9/25/23 Memo called for: "Reaffirm, in the text of the IRP, that PWP recognizes the City's commitment to sourcing 100 percent of electricity from carbon-free sources by the end of 2030, and that PWP intends to rely on a combination of the scenarios modeled in the IRP to achieve that goal."
- b. **Solution:** Update the IRP Document, RPS Procurement Plan and RPS Enforcement Plan to achieve the 2030 goal
- i. The RPS Procurement Plan (Figures 1, 4) and the RPS Enforcement Plans (Figure 1) must state the objective of, and list compliance requirements for, 100% carbon free electricity by 2030.
 - ii. Section 22 of IRP must explicitly state that PWP's plan is to achieve 100% carbon free electricity by 2030.
 - iii. Section 22 of the IRP must show the year to year resource procurement through the end of 2030 (Figure 207).
 - iv. The IRP, RPS Procurement Plan, and RPS Enforcement Plan should better distribute resource procurement from 2024-2030 (Figure 207).
 - v. The City Council should require PWP to file an extension to make the changes stated above and explicitly state PWP's intention to meet the 2030 goal, and to resolve typos in their IRP document.
 1. Public Utilities are permitted a 30 day extension to submit their Integrated Resource Plan as per The California Code of Regulations, Title 20, Sec. 1342(c) (Page 51). The request for extension must be submitted within 15 days of the submission deadline.
 2. PASADENA 100 provided PWP a document containing a list of typos included in the IRP. PWP did not fix these typos in their updated document.

2. Develop a realistic plan to achieve the carbon free goal

- a. **Problem:** The scenarios PWP developed were only intended to be “building blocks” to better understand the edge cases of our electric system. It was PWP’s intention to merge the results of the scenarios together and re-run the model to develop a more realistic planning strategy. PWP ran out of time to do this. The existing scenarios were never intended to be used as plans. Utilizing Scenarios 1-6 as Pasadena’s plan for electricity for the next 20 years is unrealistic.
- i. Merging Scenarios
 1. Scenario 2 was modified post-model by PWP (not optimized by the model) to add 400MW of internal commercial solar. Project Sunroof shows Pasadena only has capacity for 389 MW of solar.
 2. Scenario 2 does not incentivize DER. Scenario 3 doubles DER.
 3. Scenario 2 does not use higher resource adequacy resources such as wind or geothermal. Scenarios 4 and 5 do.
 4. Scenario 2 backloads 1015 MW of solar and storage to the year 2030 rather than frontloading the resources.
 5. Merging the lessons learned from the scenarios together will create a cost-optimized means of achieving the 2030 goal.
 - ii. Planning for Success (2026 IRP)
 1. According to Figure 207 of the IRP, the last year PWP will aim to procure new resources is 2025. This leaves 3 years of PWP doing nothing in terms of procurement until their next IRP update in 2028. A 2026 IRP update is strategic and timely.
 2. Goodrich is a known problem that needs to be resolved. Waiting until 2026 to update the Power Delivery Master Plan causes a delay in solving the Goodrich Problem.
 - iii. The Environmental Advisory Commission in their 9/25/23 Memo called for PWP to: “Draft and submit to the Council, on a defined timeline, a formal planning document that outlines, with reasonable specificity, the steps that PWP will take to implement a combination of the modeled scenarios outlined in the IRP and to achieve compliance with the 2030 carbon-free electricity goal.”
- b. **Solution:** Finish the job on modeling the optimal resource portfolio to achieve the 2030 goal and develop a plan to get us there.
- i. PWP must be required to develop a 2024 Integrated Resource Plan Update which merges scenarios 1-5 into a set of more realistic scenarios which is then modeled to optimize the resource portfolio needed to achieve 100% carbon free electricity by 2030.
 1. PWP must update their RPS Procurement Plan and RPS Enforcement Plan to comply with the 2024 IRP Update
 - ii. PWP must be required to develop a 2024 IRP Implementation Plan, following the 2024 Integrated Resource Plan, to develop a realistic plan with a timeline, milestones, performance metrics, and accountability to achieve the 2030 carbon free goal.

- iii. The 2026 Waypoint should be a revised Integrated Resource Plan, similar to how PWP completed a 2021 IRP update following the 2018 IRP.
- iv. The Power Delivery Master Plan (PDMP) should be updated immediately to address the Goodrich constraint, rather than waiting until 2026.

3. Incentivize DER

a. Problem: PWP plans to investigate modifying their Net Energy Metering (NEM) program.

- i. DER provides resilience and resources to the electric grid and reduces overall demand.
- ii. Net Energy Metering (NEM) is the ONLY incentive program in Pasadena that enables property owners to receive a return on investment for their solar installation. PWP currently utilizes NEM 1.0 which provides significant benefit to private investors making rooftop solar a worthwhile investment. Jurisdictions that have abandoned NEM 1 and 2 have shown sharp drops in private investment in rooftop solar.
- iii. PWP is planning on investigating updates to NEM that would negatively influence investors willingness to invest in rooftop solar. (Section 6.1.2). Instability in incentives has been shown to reduce private investment.
- iv. PWP will be investigating updates to NEM during their Cost of Service Study (Supplemental on Information 2023 Power IRP Addendum, Section 2) This confuses rate equity with DER, a narrative favored by opponents of rooftop solar.

b. Solution: Remove destabilizing mentions of changing the current NEM incentive and seek additional means of incentivizing DER.

- i. PWP must remove destabilizing mentions of changing the current NEM incentive for private investment in rooftop solar in the IRP and should commit to a plan for increasing rooftop solar using the current NEM incentive plus education/marketing, easing permitting and removing caps on private investment, beginning in the first quarter of 2024.

Sabha, Tamer

From: Sam Berndt
Sent: Tuesday, December 5, 2023 3:16 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 - Agenda Item 1 - Public Comment - Support for 100% Carbon Free Electricity by 2030

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Members of the Municipal Services Committee,

For nearly two years the City of Pasadena has organized around the goal for 100% carbon free electricity by 2030. In January, the City of Pasadena unanimously adopted a resolution declaring a climate emergency and officially setting this goal.

In September, when PWP presented their draft to the EAC, the EAC recognized that the IRP did not state a plan at all, that the scenarios were intended to be building blocks of a plan, and recommended that PWP reaffirm their intent to achieve the goal & develop a follow on IRP in 2024 to make use of the building block scenarios.

Yet, here we are, on the third iteration of the Municipal Services Committee where PWP is presenting their draft of the IRP that STILL does not specifically state that it is their plan to achieve 100% carbon free electricity by 2030.

In fact, in the IRP it is a goal for 55% carbon free by 2028. In the RPS Procurement and Enforcement Plans it is 60% RPS by 2030. Those are failing grades.

Last meeting, Councilmember Jones, several times, requested PWP show in the document what happens between 2028 and 2030. Councilmembers Hampton and Lyon followed up with this request. This did not happen.

I urge the MSC to send PWP back to update the IRP to explicitly state the plan to get to 100% carbon free electricity by 2030, to show the year-to-year resource procurement through 2030, and request a 2024 Integrated Resource Plan Update to make use of the building block scenarios to optimally achieve this goal.


Thank you.

Sam Berndt

Sabha, Tamer

From: Cynthia Cannady
Sent: Tuesday, December 5, 2023 3:23 PM
To: Stevenson, Garrett; Sabha, Tamer
Subject: Letter comment for MSC Agenda item 1
Attachments: 120523 statement MSC .pdf

Some people who received this message don't often get email from [Cynthia Cannady](#). [Learn why this is important](#)

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Agenda Item 1 Comment
December 5, 2023

The residents of Pasadena deserve a plan for success. Unfortunately, this document is not that. It is an incomplete document that still, after the expenditure of hundreds of thousands of dollars, isn't a plan at all.

But it's not too late and we can't and won't give up. Councilmembers, the task of making an optimized plan for success must continue through 2024. We in P100 have identified 6 key issues with this Draft. I will address item 6 on this list.

The Draft contains multiple references* to eliminating or changing the only incentive system that we have for private investment in rooftop solar: NEM. Investor-owned utilities and fossil fuel companies have been attacking NEM for years. When they have succeeded rooftop solar installations and associated private businesses have tanked. This has no place in this IRP document and should be removed.

Rooftop solar is critical for resilience, demand reduction and power supply. It is not everything in a plan for carbon free electric power, but it is essential.

There is something our City can do right away with minimal cost: a leadership campaign to encourage private investment in rooftop solar. We should solidly back our current strong NEM incentives, public education, marketing, making the process user-friendly, and permitting customers to become generators.

*6.1.2 paragraphs 2-9
22.3.6
Addendum p. 317 Section 2

Cynthia Cannady
Resident of Dist. 6 Pasadena
Former STAG member
Pasadena 100

Sabha, Tamer

From: Christy Zamani <czamani@dayone.org>
Sent: Tuesday, December 5, 2023 5:04 PM
To: Kenebrew, Jerice; Stevenson, Garrett; Sabha, Tamer; Lyon, Jason; Jones, Justin; Williams, Felicia; Hampton, Tyron
Subject: MSC 12/5 Public Comment - Agenda Item 1 - Support for 100% Carbon Free Electricity by 2030

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Dear City Council Members,

On behalf of public health nonprofit Day One, I would like to amplify the extensive benefits associated with the adoption of clean energy policies.

Generating electricity from low-carbon energy sources and cutting energy demand reduces the need for fossil fuel power generation, decreasing emissions of harmful gases such as nitrogen oxides, sulfur dioxide, and carbon dioxide.

Item 4 in Pasadena's General Plan Elements states, *"Pasadena will be a socially, economically, and environmentally sustainable community.*

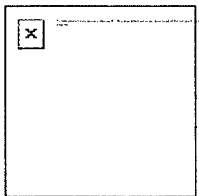
Safe, well designed, accessible and human-scale residential and commercial areas will be provided where people of all ages can live, work and play."

Adopting an Integrated Resource Plan that will achieve 100% carbon free electricity by 2030 will safeguard the health, wellness and future of our community.

Thank you,

Christy Zamani,
Day One Executive Director

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Christy Zamani | Executive Director

Pronouns: She, Her, Hers

📍 175 N Euclid Ave, Pasadena, CA 91101

Day One builds vibrant, healthy cities by advancing public health, empowering youth, and igniting change.

Instagram: [Day One](#)