

From: [Redacted]
 To: [Redacted]
 Sent: 2/26/2021 4:36:05 PM
 Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work
 Attachments: Project List MAT 08W 2.0_022621.xlsx; WFRG System Hardening_02252021_v07.pptx



The following jobs were approved to move forward:

| Order | Miles | Project | Risk Rank | Rationale; |
|------------|-------|--|-------------|------------------------------------|
| [Redacted] | 1.44 | CWSP - PINE GROVE 1102 - LR1222 - PH 2.6 | 2,521 (69%) | Significant project |
| [Redacted] | 1.75 | CWSP-STANISLAUS 1702-LR1888-PH 1.2 | 2,386 (66%) | Significant project UNSE status |

| Order No. | CPZ | Work Bucket | Total MAVF Core Risk Value | Mean MAVF Risk R |
|-----------|-----|-------------|----------------------------|------------------|
|-----------|-----|-------------|----------------------------|------------------|

WGC Decision (7.83 miles)

Request to Keep

| | | | | |
|------------|-------------------|---------------|--------|----|
| [Redacted] | Wildwood 11011454 | Top 250 Miles | 0.4188 | 52 |
|------------|-------------------|---------------|--------|----|

WGC Inform (17.45 miles)

| | | | | |
|------------|----------------------------|----------------|--------|-----|
| [Redacted] | Middletown 11011548 | ECOP – Top 20% | 0.1594 | 474 |
| [Redacted] | Brunswick 1110CB | PSPS | 0.0064 | 213 |
| [Redacted] | Placerville 21061104 | REMG | 0.0064 | 213 |
| [Redacted] | Mountain Quarries 21016953 | Top 250 miles | 0.4353 | 45 |
| [Redacted] | Bangor 1101CB | PSPS | 0.1938 | 355 |

The following are approved

-
-
-
-
-
-

The following projects have recommended mit

| Order No. | CPZ | Work Bucket | Total MAVF Core Risk Value | Mean MAVF Risk Ran |
|-----------|-----|-------------|----------------------------|--------------------|
|-----------|-----|-------------|----------------------------|--------------------|

WGC Decision (7.83 miles)

| | | | | |
|---|------------------------------|---------------|--------|----|
| 1 | [REDACTED] Wildwood 11011454 | Top 250 Miles | 0.4188 | 52 |
|---|------------------------------|---------------|--------|----|

WGC Inform (17.45 miles)

| | | | | |
|---|---------------------------------------|----------------|--------|------|
| 2 | [REDACTED] Middletown 11011548 | ECOP – Top 20% | 0.1594 | 474 |
| 3 | [REDACTED] Brunswick 1110CB | PSPS | 0.0064 | 2134 |
| 4 | [REDACTED] Placerville 21061104 | REMG | 0.0064 | 2131 |
| 5 | [REDACTED] Mountain Quarries 21016953 | Top 250 miles | 0.4353 | 45 |
| 6 | [REDACTED] Bangor 1101CB | PSPS | 0.1938 | 355 |

I was asked to rescope the other jobs you had requested. We will have to figure out next steps on those.

[REDACTED]

From: [REDACTED]
 Sent: Friday, February 26, 2021 3:21 PM
 To: [REDACTED]

Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

[REDACTED]

Where can I get the list of recent approvals? I have people asking about Fort Bragg as well.

[REDACTED]

Project Manager

[REDACTED]

Pacific Gas and Electric Company

From: [REDACTED]
 Sent: Friday, February 26, 2021 9:34 AM
 To: [REDACTED]

Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

This project was approved to continue executing in last night's decision. It is ok to proceed.

[REDACTED]

From: [REDACTED]
Sent: Friday, February 26, 2021 9:33 AM
To: [REDACTED]
Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

[REDACTED] – I think this is actually in your court. I spoke with [REDACTED] and he mentioned that you and [REDACTED] were going to review this work. Do you think you could provide a status.

Thanks,

[REDACTED]

From: [REDACTED]
Sent: Friday, February 26, 2021 8:45 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hello Team,

Do we not have an update on this PM [REDACTED] – Phase 2.6?? We already set 15 of the poles.

Thank you!

[REDACTED]
[Rotational Construction Engineering Supervisor](#)
[T&D GC Tri-Valley](#)
[Pacific Gas and Electric Company](#)

From: [REDACTED]
Sent: Monday, February 1, 2021 11:22 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hi [REDACTED]

We haven't heard back on this yet, can you help with following up on this and provide confirmation to GC one way or another?

Thanks!

Thank You,

From: [REDACTED]
Sent: Saturday, January 30, 2021 3:16 PM

To: [REDACTED]
Cc: [REDACTED]

Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hello Team,

Following up to see if we received approval to finish working PM [REDACTED] this year since we already set 15 poles.

| PHASE | PM | TOTAL POPLES SET | WIRES PULLED (FT.) |
|-------|------------|------------------|--------------------|
| 2.6 | [REDACTED] | 15 | 0 |

Thank you!

[REDACTED]
[Rotational Construction Engineering Supervisor](#)
[T&D GC Tri-Valley](#)
[Pacific Gas and Electric Company](#)
[REDACTED]

From: [REDACTED]
Sent: Tuesday, January 19, 2021 1:38 PM

To: [REDACTED]
Cc: [REDACTED]

Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hello Team,

Do we have an update on the approval for PM [REDACTED]?

Thank you!

[REDACTED]
[Rotational Construction Engineering Supervisor](#)
[T&D GC Tri-Valley](#)
[Pacific Gas and Electric Company](#)
[REDACTED]

From: [REDACTED]
Sent: Thursday, December 17, 2020 10:28 AM

To: [REDACTED]
Cc: [REDACTED]

Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

I concur. We will reach out for more information as needed to get [REDACTED] approved.

From: [REDACTED]
Sent: Thursday, December 17, 2020 10:02 AM

To: [REDACTED]
Cc: [REDACTED]
Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hi [REDACTED]

I spoke with [REDACTED] copied here, about these projects. The response is as follows;

- [REDACTED] – We will submit this project to the Wild Fire Governance Committee seeking approval to keep it in the work plan. This is not approval for you to work on the project at this time. We will notify you and [REDACTED] with their decision
- [REDACTED] – Does not meet the criteria to stay in the work plan and cannot be worked.
- [REDACTED] – Will remain in the workplan and we will continue to pursue the Caltrans DSDD permit.

[REDACTED]
Project Manager
[REDACTED]

Pacific Gas and Electric Company

From: [REDACTED]
Sent: Thursday, December 17, 2020 8:13 AM

To: [REDACTED]
Cc: [REDACTED]
Subject: RE: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Team

It is unlikely that approval will be granted for the work to continue, however I have included [REDACTED] in the conversation – who can discuss the situation with Asset Management and determine how to address this.

Thanks,

From: [REDACTED]
Sent: Thursday, December 17, 2020 7:45 AM

To: [REDACTED]
Cc: [REDACTED]
Subject: FW: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Hello [REDACTED]

[REDACTED] is wondering if we can keep PM [REDACTED] & PM [REDACTED] on for 2021. They are both on the remove list.

PM [REDACTED] has already begun construction with more clearances scheduled. PM [REDACTED] material and poles have been ordered and no permit required. This job is ready to go.

PM [REDACTED] was one of the jobs approved to keep but is not ready as pending Caltrans permit and we cannot move forward.

Thank you!

[REDACTED]
Rotational Construction Engineering Supervisor
T&D GC Tri-Valley
Pacific Gas and Electric Company
[REDACTED]

From: [REDACTED]
Sent: Wednesday, December 16, 2020 8:33 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: URGENT: 12/2 Update: Forecasting 2021 System Hardening work

Morning [REDACTED]

Please see summary/ concerns below about the Hardening Projects actually kept for 2021 GC work plan:

Table 1

| PHASE | PM | TOTAL POLES SET | WIRES PULLED (FT.) | COMMENTS |
|-------|------------|-----------------|--------------------|------------------------------------|
| 1.2 | [REDACTED] | 28 | 0 | NO CALTRANS PERMIT / CA |
| 2.3 | [REDACTED] | 25 | 0 | GOOD STANDING FOR 2021 |
| 2.4 | [REDACTED] | 51 | 4,007 | 1 CLEARANCE TO COMPLET SET |
| 1.6 | [REDACTED] | 50 | 4,802 | 1 CLEARANCE TO COMPLET ONLY TO SET |

From this above Table 1, we only have Phase 2.3 (PM [REDACTED]) to fully work on it since Phases 2.4 & 1.6 will be 1-day clearance each and **Phase 1.2 NOT READY TO GO!**

Table 2

| PHASE | PM | TOTAL POPLES SET | WIRES PULLED (FT.) | COMMENTS |
|-------|------------|------------------|--------------------|--|
| 2.6 | [REDACTED] | 15 | 0 | STILL WORKING ON IT / ON POLES SHIPPED |
| 1.3 | [REDACTED] | 0 | 0 | NO PERMIT REQUIRED/ MTL READY TO GO |

From this Table 2, both Phases (2.6 & 1.3) are in good standings. **Phase 2.6** already had few clearances scheduled to transfer/change poles/ TX at some locations; more clearances will be scheduled soon to pull wires. About **Phase 1.3**, we have all composite poles and materials jobsited in Pioneer; this project doesn't require any permit since private roads to access locations. Due to periodically inclement weather in Pioneer, these poles for

both phases (2.6 & 1.3) will need to be set and wires pulled as soon as possible.

To conclude, please have **Phase 2.6 and Phase 1.3** added to our work plan for 2021 as soon as possible and let us know if you have any concerns or questions. Thank you very much for your support & help, and we look forward to hearing from you soon.

Regards,

[REDACTED]
Field Engineer, GC Line
[REDACTED]

From: [REDACTED]

Sent: Tuesday, December 15, 2020 18:47

To: [REDACTED]

Cc: [REDACTED]

Subject: FW: 12/2 Update: Forecasting 2021 System Hardening work

Hello [REDACTED]

Some of the hardening jobs have been descoped or deferred from 2021. There are 4 hardening jobs we are keeping and 12 we are removing. I will need proper justification if we ask to keep the jobs they are removing.

KEEP THESE HARDENING JOBS

| Order # | Notif # | Program | Category | Sub-Category | Resource | Work Plan Date | Lo |
|------------|---------|------------------|----------|---------------|----------|----------------|----|
| [REDACTED] | | System Hardening | MPP | 220 Mile Plan | GC | 9/29/2020 | 2/ |
| [REDACTED] | | System Hardening | MPP | 220 Mile Plan | GC | 11/17/2020 | 2/ |
| [REDACTED] | | System Hardening | MPP | 220 Mile Plan | GC | 11/22/2020 | 2/ |
| [REDACTED] | | System Hardening | MPP | 220 Mile Plan | GC | 11/2/2020 | 2/ |

REMOVE THESE HARDENING JOBS

| Order # | Notif # | Program | Category | Sub-Category | Resource | Work Plan Date | Lo |
|------------|---------|------------------|----------|---------------|----------|----------------|----|
| [REDACTED] | | System Hardening | MPP | 220 Mile Plan | GC | 12/16/2020 | 2/ |
| [REDACTED] | | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |
| [REDACTED] | | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |
| [REDACTED] | | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |

| | | | | | | |
|--|------------------|-----|---------------|----|------------|----|
| | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Act Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Rsrv | GC | 12/31/2021 | 2/ |
| | System Hardening | MPP | 2020 Rsrv | GC | 12/31/2021 | 2/ |

Thank you!

Rotational Construction Engineering Supervisor
T&D GC Tri-Valley
Pacific Gas and Electric Company

From: [Redacted]
Sent: Tuesday, December 08, 2020 11:00 AM
To: [Redacted]

Cc: [Redacted]

Subject: RE: 12/2 Update: Forecasting 2021 System Hardening work

Hi all,

I added in Division & Click Dates to the latest file [Redacted] sent out and have attached to this email. I noted the following projects were changed to be included on the Keep List for 2021 in the 12.04 version.

| Div | Region | Main Work Center | City | MPP WP Resource | Civil Support | Construction Resource | F |
|-----|---------------------|------------------|-----------------|-----------------|---------------|-----------------------|---|
| DI | Bay | Walnut Creek | LAFAYETTE | GC | | GC | S |
| CC | South Coast | Santa Cruz | SANTA CRUZ | GC | | GC | S |
| SI | Sierra-North Valley | Auburn | EL DORADO HILLS | GC | | Quanta/Summit | S |
| DI | Bay | Walnut Creek | ORINDA | GC | | Alvah | S |

| | | | | | | |
|----|-------------|-------------|---------------------|----------|----------------|--------|
| PN | Bay | San Mateo | SOUTH SAN FRANCISCO | Contract | Bess Test Labs | Σ F |
| SO | North Coast | Santa Rosa | SANTA ROSA | GC | GC | Σ F |
| SO | North Coast | Santa Rosa | SANTA ROSA | GC | GC | Σ F |
| NB | North Coast | San Rafael | NOVATO | Contract | Contract | Σ F |
| CC | South Coast | Santa Cruz | APTOS | GC | GC | Σ F |
| ST | Tri-Valley | Angels Camp | ANGELS CAMP | Contract | Contract | Σ F |
| DI | Bay | Concord | CONCORD | GC | GC | Σ F |
| NB | North Coast | San Rafael | NOVATO | Contract | Contract | Σ F |
| HB | North | Lakeport | MIDDLETOWN | | | Σ F |
| HB | North | Lakeport | MIDDLETOWN | | | Σ F |
| YO | Bay/Central | Mariposa | MARIPOSA | | | Σ F |
| NV | North | Redding | REDDING | | | Σ F |
| HB | North | Lakeport | KELSEYVILLE | | | Σ F |
| HB | North | Lakeport | UPPER LAKE | | | Σ F |
| PN | Bay/Central | San Carlos | PESCADERO | | | Σ F |
| NV | North | Chico | BELDEN | | | Σ F |
| PN | Bay/Central | San Carlos | PESCADERO | | | Σ F |

Thank You,

From: [REDACTED]
Sent: Friday, December 04, 2020 4:20 PM
To: [REDACTED]

Cc: [REDACTED]

Subject: RE: 12/2 Update: Forecasting 2021 System Hardening work

Team

Please take note of the latest list. These changes will become effective in the MPP work plan on Monday.

Thanks all,

[REDACTED]
Sr. Manager, Portfolio & Project Management
Major Programs and Projects | Pacific Gas & Electric Company
[REDACTED]

From: [REDACTED]

Sent: Thursday, December 3, 2020 3:26 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: FW: 12/2 Update: Forecasting 2021 System Hardening work

GC Team & Construction Managers,

I am passing along the information we received yesterday on the System Hardening workplan changes/reprioritization that have occurred. Please note the Hardening projects on the Keep vs Remove tab.

If your project is on the Remove list, please begin moving these schedules out.

Note: the PM team was asked to review the Remove list and comment on whether they believed a project should remain due to anything being in active construction/field conditions. These projects should be consolidated and reviewed/reconsidered to keep in the plan. If you find any projects that may meet this criteria please feel free to pass along to me or the PM team to escalate with any relevant information.

Please let me know if you have any questions or concerns.

Thank You,

From: [REDACTED]

Sent: Wednesday, December 02, 2020 11:39 AM

To: [REDACTED]

Cc: [REDACTED]

Subject: 12/2 Update: Forecasting 2021 System Hardening work

Team,

Per the System Hardening call this morning, there was an agreement that additional work currently in CONS should proceed. [REDACTED] was able to consolidate all the projects in the updated attached Work Plan Proposed Changes. The direction remains from our earlier discussions. Anything in the “remove” tab please delay until at least 2022 both in your forecasts and schedule, however things in the “keep” tab the expectation would be to execute the planned projects.

Below is [REDACTED] note with a high level summary of the information. Please let me or the team know if you have additional questions or comments.

“Attached is the latest and greatest. Note there was some overlap with previously approved “keep” jobs when I incorporated the list of 26 new ones.

I’m also keeping all the “strike force” jobs, as I am considering those 2020 projects that need to be buttoned up.

In total I am seeing 38 jobs approved by the committee thus far plus 26 jobs that are “critical” or are already operational, and should be wrapped up.”

From: [REDACTED]
Sent: Tuesday, December 01, 2020 11:26 AM
To: [REDACTED]

Cc: [REDACTED]

Subject: Forecasting 2021 System Hardening work

Team,

Attached is the most up to date list of what is being removed from the 2021 System Hardening Plan. As we are all experiencing, the plan at this point is still fluid so there is still some potential for changes, but this is the best information we have at this time. I understand our forecasting cycle for December has started, thus I wanted to provide a bit of guidance for this work.

- If your project is on the “remove” list please make sure there are as few charges going forward on this project as possible.
- Update your schedule with a delay activity pushing these projects out at least one year.
- Update your forecast to reflect no work being complete in 2021. Please do not only delete the forecast but

push it out into 2022 as we still do not have direction as to if the projects will be cancelled or merely deferred.

- There are some projects that are not on the list and in CONS we are hopeful to have confirmation on which of those projects will proceed today or tomorrow.

Lastly, I know the next question is likely when will the new work be distributed. At this point we still don't have clear information on which circuits will be the focus going forward, however we have communicated that we will need that ASAP in order to start the scoping and get a plan in place for 2021 of executable work.

Thank you all for your flexibility and focus as we reprioritize our work.

[REDACTED]
Manager, Project Management
Pacific Gas & Electric Company
Major Projects and Programs
[REDACTED]