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**From:** [REDACTED]  
**To:** [REDACTED]  
**CC:** [REDACTED]  
**Sent:** 2/23/2021 9:08:03 AM  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses  
**Attachments:** 08W+Poles+under+WIPS.xlsb

[REDACTED]

I was informed that I had missing Circuit names in the previous list I sent you. I have corrected that and inputted the correct Circuit for the SAPid.

I also added a note within the file that should be recognized. Please note that there are fields in SAPid & Lat/Log that are either blank or have a "0". It is believed that it is old data for poles that have either been physically replaced/relocated in the field but the data still exists within the database.

Thank you,  
[REDACTED]

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**From:** [REDACTED]  
**Sent:** Monday, February 22, 2021 16:05  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

Good afternoon [REDACTED]

Please see the attached list of poles within our hardening work.

Thank you,  
[REDACTED]

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**From:** [REDACTED]  
**Sent:** Thursday, February 18, 2021 07:12  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

Good morning [REDACTED]

The Foundry team is still working on the issue. Hopeful that we get full data by next week, however, that is not a guarantee.

Thank you,  
[REDACTED]

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**From:** [REDACTED]  
**Sent:** Tuesday, February 16, 2021 13:53  
**To:** [REDACTED]  
**Cc:** [REDACTED]

**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

Hi [REDACTED]  
When can we expect a full data set from the Foundry tool?

[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

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**From:** [REDACTED]  
**Sent:** Wednesday, February 10, 2021 10:37 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]

**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

Thanks for the update [REDACTED]. I will schedule a quick call to review your final data set.

[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

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**From:** [REDACTED]  
**Sent:** Tuesday, February 09, 2021 1:45 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

[REDACTED]

I had a little bit of trouble pulling all the data for our hardening jobs through Foundry. Currently, there we have a tag created to address an issue with Foundry pulling data through GeoMart. Currently, estimated resolution of that tag is expected to make progress further into this week. What this means is that I was not able to identify all the poles affected within all our hardening work.

All is not lost, I was able to pull the good data that Foundry was able to provide. I will closely monitor the open tag and will pull the data again when it updates. I will keep you posted when new data is received.

Thank you,  
[REDACTED]

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**From:** [REDACTED]  
**Sent:** Thursday, February 4, 2021 21:36  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses  
**Importance:** High

[REDACTED] – please reach out to [REDACTED] for background

Team,  
Thank you for the follow up meeting. Per the discussion, we have more refining to do from the first cut of Circuit ID overlap analysis (attached). Next set of action items below:

- Communicate to senior leadership the deliverable will be split into two outputs/timelines for Surge Arrester and Fuse - [REDACTED]

### Fuse Overlap with System Hardening

- Provide list of SAP ID's captured in System Hardening WHIP clouds - [REDACTED] (Feb 9)
- Re-run overlap analysis using SAP ID's - [REDACTED] (Feb 10)
- Run separate overlap analysis with [REDACTED] input (using WHIP clouds) [REDACTED] (Feb 10)

### Surge Arrester Overlap with System Hardening

- Provide SAP ID's for Surge Arrester jobs - [REDACTED] (Feb 22)
- Re-run overlap analysis using SAP ID's - [REDACTED] (Feb 23)

[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

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**From:** [REDACTED]  
**Sent:** Thursday, February 04, 2021 10:00 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

See table view of e-mail below. **Another reminder, this analysis is only using Circuit ID. We need SAP ID's from the System Hardening projects to really pinpoint the actual overlap. Additionally, for Surge Arresters, we need to wait for SAP ID's to be identified in their work plan.**

Talk to you at 11am.

### Surge Arrester Overlap with System Hardening

System Hardening Project Status	Surge Arrester Project Year		Total
	2021	2022 - 2023	
CONS	635	22	657
UNSC	1		1
PEND	569	19	588
ESTS	185	38	223
UNSE	4947	748	5695
<b>Total</b>	<b>6337</b>	<b>827</b>	<b>7164</b>

### Fuse Overlap with System Hardening

System Hardening Project Status	2021
CONS	38
UNSC	7
UNSE	158

Total	203
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[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

**From:** [REDACTED]

**Sent:** Wednesday, February 03, 2021 9:48 PM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses

Team,  
See attached the analysis using **Circuit ID**. Preliminary results are as follows:

1. On the second tab (SurgeArrester-CircuitID), columns O to Q
  - a. 7164 jobs total overlap with System Hardening projects
    - i. **657 jobs overlap with In-Construction (CONS) System Hardening projects**
    - ii. **1 job overlap with Ready-for-Construction (UNSC) System Hardening projects**
    - iii. **588 jobs overlap with In-Dependency (PEND) System Hardening projects**
    - iv. 223 jobs overlap with In-Estimating (ESTS) System Hardening projects
    - v. 5695 jobs overlap with Pre-Estimating (UNSE) System Hardening projects
2. On the second tab (Fuse-CircuitID), columns BB to BD
  - a. 203 jobs total overlap with System Hardening projects
    - i. **38 jobs overlap with In-Construction (CONS) System Hardening projects**
    - ii. **7 job overlap with Ready-for-Construction (UNSC) System Hardening projects**
    - iii. 158 jobs overlap with Pre-Estimating (UNSE) System Hardening projects

Next step is to incorporate SAP ID's from System Hardening projects and refine the analysis further.

[REDACTED]  
Per our separate correspondence today, your team will attempt to use the Palantir Foundry tool to pull SAP ID's. Do you have a tentative date for that? Any chance I can get access/training as well?

[REDACTED]  
After we confirm with SAP ID's, as a first step, can we defer the jobs in yellow above until the corresponding System Hardening project is complete? For the green projects, as discussed during the last meeting, we would approach Estimating to incorporate the Surge Arrester or Fuse into the System Hardening project scope?

I will schedule a follow up meeting to discuss further.

[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

**From:** [REDACTED]

**Sent:** Thursday, January 28, 2021 10:06 PM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** RE: Program Alignment - SH/Surge Arrestors/Fuses  
**Importance:** High

Team,

Thank you for your time today. To address this request, the agreed upon path to resolution is:

1. Using Circuit ID, create a first draft of candidate Fuse and Surge Arrestor jobs that overlap System Hardening projects.
2. Use SAP IDs from System Hardening WHIP clouds to further refine Fuse and Surge Arrestor candidates.
3. Reach consensus on final Fuse and Surge Arrestors jobs to incorporate into System Hardening projects and remove from their respective programs.

Action items are below:

- Provide updated list of Fuse jobs with Circuit ID added - [REDACTED] (complete)
- Provide updated list of Surge Arrestors jobs, add future year projects that are identified - [REDACTED] (Feb 1)
- Provide list of System Hardening projects with Circuit ID - [REDACTED] (complete)
- List of SAP ID's captured in System Hardening WHIP clouds - [REDACTED] (Feb 1)
- Schedule next meeting after Circuit ID assessment across all programs - [REDACTED] (Feb 2)
- Provide SAP ID's for Surge Arrestor jobs - [REDACTED] (Feb 19)

[REDACTED] | PG&E - System Hardening

*Some of the measures included in this email are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.*

-----Original Appointment-----

**From:** [REDACTED]

**Sent:** Wednesday, January 27, 2021 11:43 AM

**To:** [REDACTED]

**Cc:** [REDACTED]

**Subject:** Program Alignment - SH/Surge Arrestors/Fuses

**When:** Thursday, January 28, 2021 4:00 PM-5:00 PM (UTC-08:00) Pacific Time (US & Canada).

**Where:** Microsoft Teams Meeting

Team,

This meeting is a follow up from [REDACTED] action item to reconcile System Hardening, Surge Arrestors, and Fuse program in 2021 to eliminate or minimize re-work. I will distribute materials prior to meeting.

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## Microsoft Teams meeting

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