## MEETING PURPOSE: 01/03/13 SCE-MHI Steam Generator Repair Project Update

The purpose of this meeting is to provide for discussion a proposed plan for development of a Certified Design Specification (CDS) within the next six months.

## SUMMARY:

## Discussion

$>$ Now that the "Type 3" repair has been technically agreed to, SCE has developed a draft schedule (Attachment 2) for discussion that describes the activities necessary to develop a CDS by July 1, 2013 which is the next critical milestone in long term repair. SCE welcomes MHI comments on the proposed plan.
$>$ As part of the short term plan, a kickoff meeting with MHI and SCE is needed. SCE is amenable to having the meeting at SONGS or travel to Kobe, whichever MHI deems more productive.
$>$ SCE is concerned about the overall replacement schedule and wishes to, over the next several months to evaluate the schedule for improvements that may bring installation into the first quarter 2017. This involves:

- Developing a Certified Design Specification (CDS) by July $1^{\text {st }} 2013$.
- Preparing for and scheduling a kickoff meeting and coordination meetings thereafter every other month (or as needed).
$>$ Preparations for the meeting include, but not limited to, an Agenda, Division of Responsibilities, Roles and Responsibilities, Level 1 Schedule, and any issues that could impact an overall plan.
$>$ A comprehensive conceptual design will be needed for development of the CDS.
$>$ Moving forward, MHI Kobe and SCE need to come to an Engineering Technical Management Agreement by January $7^{\text {th }}, 2013$ to produce a CDS by July $1^{\text {st }}$, 2013 to protect overall schedule, and minimize cost.
$>$ Success of the project depends on being in total agreement with no surprises on either side, MHI or SCE, going forward and during the formal kickoff meeting to be tentatively held at the end of January in Kobe, Japan, with agreement to develop the CDS as a first step.

Both MHI and SCE agreed that further discussions are needed to define the

## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS) STEAM GENERATOR REPAIR TEAM (SGR_T)

terms and contents of:

- Procurement Specification, and
- CDS,
to make clear to both parties (MHI and SCE) the content of the deliverable due on $7 / 1 / 13$.


## Action Items:

$>$ SCE to schedule daily meetings to prepare for SCE / MHI Kobe kick off meeting (Complete).
$>\mathrm{MHI}$ SONGS to convey plan described above with MHI Kobe and ensure agreement. SCE has requested confirmation by 01/07/13.
> SCE and MHI to develop an Agenda, DOR, R\&R, and Level 1 Schedule and any additional requirements to ensure joint understanding.
$>$ SCE and MHI to communicate and schedule kick off meeting with MHI Kobe.

## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS) STEAM GENERATOR REPAIR TEAM (SGR_T) ATTACHMENT - Meeting Attendance Sheet <br> Steam Generator Repair - Project Update <br> Meeting Attendees 01/03/12 <br> REDACTED

# SAN ONOFRE NUCLEAR GENERATING STATION (SONGS) 

 STEAM GENERATOR REPAIR TEAM (SGR_T) ATTACHMENT 1 - Agenda

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Integrity - Excelence - Respect - Continuous Improvement - Teamwork

## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

STEAM GENERATOR REPAIR TEAM (SGR_T)

## ATTACHMENT 2 - SGR Team Level 1 Schedule Certified Design Specification (CDS)



## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

STEAM GENERATOR REPAIR TEAM (SGR_T)
ATTACHMENT 3 - SGR Team Short Term Plan 010113c (1 of 5)


> STEAM GENERATOR REPAIR
> LONG TERM PLAN
> NEAR TERM SCHEDULE

Objective:
Establish a near term plan to jointly develop a Certifed Design Speciifcalion (CDS) within the first six months of 2013 as a "First Milestone" in a SG Replacement project. The Plan includes:

- Preserving SCE options and decision making for the next 6 months

Developing "Of-Ramps" In the event SGR Replacement is not a selected option by SCE Management

- Maintaining the crifical path for installation in the first guarter 2017
- Mininizing spending while achleving an Engineering deliverable (CDS)

Plan:
Provides a six monith "Near Term" focused plan to develop a CDS to support manufacturing for a "Type 3 " (i.e., Lower Bundle) repalr which includes:

- Completing the indilial engineering
- Developing conceptual design

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- Completing a final deliverable of a "CDS" in support of a potential SGR project


## Funding

Progressive plan for moving forward:

- Ulilizes base staff io extent possible
- Minimizes additional funding needed, identify off-ramps
- Establistes cash flow
- Establishes interim off-ramps to hold on activilies


## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

STEAM GENERATOR REPAIR TEAM (SGR_T)
ATTACHMENT 3 - SGR Team Short Term Plan 010113c (2 of 5)


## SAN ONOFRE NUCLEAR GENERATING STATION (SONGS)

STEAM GENERATOR REPAIR TEAM (SGR_T)

## ATTACHMENT 3-SGR Team Short Term Plan 010113c (3 of 5)

## Steam Generator Replacement <br> Long Term Repair - Near Term Schedule - Definitions

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STEAM GENERATOR REPAIR TEAM (SGR_T)
ATTACHMENT 3 - SGR Team Short Term Plan 010113c (4 of 5)


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STEAM GENERATOR REPAIR TEAM (SGR_T)
ATTACHMENT 3 - SGR Team Short Term Plan 010113c (5 of 5)
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