

**SUNCREST DYNAMIC REACTIVE POWER SUPPORT PROJECT
CONSTRUCTION AND DEMOLITION DEBRIS MANAGEMENT PLAN**

Prepared for

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1.0 INTRODUCTION

This Construction and Demolition Debris Management Plan (DMP) describes how NextEra Energy Transmission West (NEET West) and its contractors plan to manage the waste generated due to construction of the Suncrest Dynamic Reactive Power Support Project (Project) and its related facilities. The Project involves the construction of a new 230-kilovolt (kV) Static Var Compensator (SVC) station, and construction of an approximately 1-mile-long 230 kV underground transmission line, connecting to San Diego Gas and Electric Company's existing 500/230 kV Suncrest Substation. This work is located within the boundaries of San Diego County (County).

This Plan was prepared in accordance with Mitigation Measure (MM) PUB/UTL-2 originating from the Mitigation, Monitoring, and Reporting Program of the Final Environmental Impact Report for the Project, which includes guidelines associated with construction waste disposal.

Construction of the Suncrest SVC station is anticipated to require approximately 6.5 months to complete, while construction of the 230 kV transmission line will require approximately 8 months.

2.0 OBJECTIVES

The objective of this Plan is to maintain compliance with all federal, state, and local laws throughout the duration of construction of the Project and to comply with MM PUB/UTL-2: Diversion of Solid Waste in Accordance with San Diego County's Construction and Demolition Debris Recycling Ordinance.

The contents of this Plan are intended to accomplish the following elements:

- Create and submit a Waste/Debris Management Plan (Appendix A)
- Submit a Performance Guarantee
- Track all waste materials daily (Appendix B)
- Dispose of waste in proper facilities
- Submit a Final Waste/Debris Management Report (Appendix C)
- Maintain consistency with relevant federal, state, and local ordinances

3.0 APPLICABLE REGULATIONS

This Plan conforms to the regulatory ordinances outlined by the County of San Diego and San Diego Municipal Code. Ordinances to be adhered to include the following:

- County of San Diego Ordinance No. 9840
- Article 6 - Collection, Transportation and Disposal of Refuse and Solid Waste (San Diego Municipal Code)²
- County of San Diego Construction & Demolition Recycling Guide³

4.0 MITIGATION MEASURES

This plan was prepared in accordance with MM PUB/UTL-2 which states the following:

“NEET West and/or its contractors shall follow the requirements specified in the County of San Diego’s Construction and Demolition Debris Recycling Ordinance. This will include recycling of 90 percent of inert debris and 70 percent of all other construction demolition debris materials, and preparation of a Construction and Demolition Debris Management Plan (DMP).”

5.0 PLAN IMPLEMENTATION

In accordance with Section 68.511 of the San Diego County Code⁴, the DMP must provide the following information prior to project construction:

The type of project: Transmission reinforcement project including a Static Var Compensator and an approximately 1 mile underground transmission line.

The total square footage of the project: SVC Pad and surrounding area equals approximately 261,360 square feet and the underground transmission line duct bank area equals approximately 14,000 square feet.

The estimated volume or weight of project construction and demolition debris, by material type that the project will generate:

- Asphalt and Concrete – 100 yd
- Dirt – 1000 cy
- Cardboard – 80 cy
- Unpainted wood and pallets – 400 cy
- Scrap metal waste (extra conductor, bolts, etc.) – 40 cy
- Trash – 80 cy

The maximum volume or weight of construction and demolition debris that can feasibly be diverted via reuse or recycling:

- 70% to 100% of the cardboard can be recycled – 80 cy
- 70% to 100% of the unpainted wood and pallets can be recycled– 400 cy
- 70% to 100% of the scrap metal waste can be recycled – 40 cy
- 90% to 100% Asphalt and Concrete – 100yd
- 90% to 100% Dirt – 1000 CY (we are currently reviewing plans to minimize this quantity on site)

The estimated volume or weight of construction demolition debris that will be disposed of in a landfill:

- Approximately 80 cy of construction demolition debris will be disposed of in a landfill

The name and address of any person and/or recycling facility the applicant proposes to use to collect process or receive construction and/or demolition debris the project will generate:

- Asphalt and Concrete – Hanson/A-1 Soils, 12560 Highway 67, Lakeside, CA 92040
- Dirt – Hanson Aggregates, 9229 Harris Plant Rd, San Diego, CA 92126

- Cardboard – Allan Company, 8514 Mast Blvd, Santee, CA 92071
- Unpainted wood and pallets – Inland Pacific Resource Recovery, 12650 Slaughterhouse Canyon Rd, Lakeside, CA 92040
- Scrap metals – M&M Recycling, 1485 N. Magnolia Avenue, El Cajon, CA 92020

5.1. Debris Management Plan

Per MM PUB/UTL-2, and San Diego County Regulations, before work is to begin, a Debris Management Plan Form must be submitted to San Diego County. Refer to Appendix A, Debris Management Plan Form. Submittal of this Debris Management Plan Form will include a Performance Guarantee fee that will be returned upon full compliance of the Debris Management Plan.

5.2. Daily Log

Refer to Appendix B: San Diego County Daily Log for a copy of the daily log that will be kept on the project at all times and available for inspection by the County of San Diego. A citation can be issued for not having the log on site during construction. This log will be used to track all trash and recycling loads leaving the project, and will document the final destination for the materials. NEET West will achieve the County's goal that 90% of the inert debris and 70% of all other materials must be diverted from landfills. This goal will be reached by utilizing four dumpsters onsite. All cardboard will be placed in one, pallets and wood waste in a second, scrap wire and other miscellaneous metals in a third, and trash in a fourth. Bills of lading will be attached to the daily log when trash or recycling loads leave the project site.

5.3. Final Debris Management Plan

Within 180 days of completion of the project, per Appendix C: San Diego County Final Debris Management Plan, NEET West or its subcontractors must submit a Final Debris Management Plan, recycling receipts, and proof that 90% of the inert debris and 70% of all other materials were recycled or reused. San Diego County will review the records and return the Performance Guarantee or fraction thereof if the recycling goals were not met on the project.

6.0 REFERENCES

[1] San Diego County Construction and Demolition Recycling Home
<https://www.sandiegocounty.gov/dpw/recycling/cdhome.html>

[2] Article 6 - Collection, Transportation and Disposal of Refuse and Solid Waste (San Diego Municipal Code)

[3] County of San Diego Construction & Demolition Recycling Guide

[4] Section 68.511 of the San Diego County Code

ATTACHMENT A: San Diego County Debris Management Plan Form



Construction and Demolition Debris Recycling

Solid Waste Planning and Recycling • 5510 Overland Avenue (B203), Suite 210 • M.S. O350 • San Diego, CA 92123

Debris Management Plan

Complete this form before obtaining a building or demolition permit. Submit this form and your performance guarantee to the Department of Public Works Building Counter at 5510 Overland Avenue, Ste. 110, San Diego, CA 92123.

Part 1	Permit # (include all permit #'s in the phase) _____	Project Name (if applicable) _____
	Project Location	
	Address (Cross Street, Floor, Suite, etc) _____	City _____ Zip _____
	Contact Name _____	Company Name _____
	Mailing Address	
	Address _____	City _____ State _____ Zip _____
Phone _____	Fax _____	Email _____
Estimated Start Date _____	Estimated Completion Date _____	Project Square Footage _____

Part 2 Debris Estimation
 Identify how the materials generated by the project listed in Part 1 will be handled. Use the Materials Conversion Table to convert volumes to tons. If you do not know the amount of materials, you can use the Standard Generation Worksheet.
Requirement - Reduce the quantity of materials disposed at landfills by 90% for inerts and 70% for the rest (determined by weight).

Identify Materials (estimate amount by weight)					
	Material Type	Recycle	Salvage or Onsite Reuse	Dispose	Handling Procedure, Hauler or Final Destination for Materials
Inerts	Asphalt & Concrete				
	Brick/Masonry/Tile				
	Dirt				
	Mixed Inerts ¹				
	Stucco, Cement (no wire)				
	Total Inert				
Other Materials	Cabinets, Doors, Fixtures, Windows (circle all that apply)				
	Cardboard				
	Carpet				
	Padding/Foam (carpet)				
	Ceiling Tile (acoustic)				
	Drywall (used)				
	Drywall (new, unpainted or scrap)				
	Landscaping (brush, trees, stumps, etc.)				
	Mixed Recyclables ¹				
	Roofing Materials				
	Scrap Metal				
	Unpainted Wood & Pallets				
	Trash				
	Other (describe)				
Total Other					
Total Inert + Other					

Notes
 (1) Mixed items must be taken to an approved mixed processing facility.
 (2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name _____ Title _____
 Signature _____ Date _____

For information on these forms call the County of San Diego's Recycling Section at (858) 694-2458.
 For a list of recycling centers call 1-877-R-1-EARTH (1-877-713-2784) or www.wastefreesd.org

Electronic Version Available at
<http://www.sdcountry.ca.gov/dpw/recycling/cdhome.html>
 7/5/2012

ATTACHMENT B: San Diego County Daily Log

ATTACHMENT C: San Diego County Final Debris Management Plan



Construction and Demolition Debris Recycling

Solid Waste Planning and Recycling • 5510 Overland Avenue (B203), Suite 210 • M.S. O350 • San Diego, CA 92123

Final Debris Management Report

Part 1

Construction and Demolition Debris Permit # _____ Project Name (If applicable) _____

Project Location _____
Address (Cross Street, Floor, Suite, etc) City Zip

Contact Name _____ Company Name _____

Mailing Address _____
Address City State Zip

Phone _____ Fax _____ Email _____

Estimated Start Date _____ Estimated Completion Date _____ Final Project Square Footage _____

Part 2

Report how the materials generated by the project were handled, using actual tonnages. Use the attached Materials Conversion Table to convert volumes to tons.
Requirement - Reduce the quantity of materials disposed at landfills by 90% for inerts and 70% for the rest (determined by weight).

Step 2 Post-Project Actual (TONS) (To be filled out at completion of project)						
	Material Type	TOTAL Debris Quantity	Recycled	Salvaged or Reused Onsite	Disposed	County Use Only Receipt or other proof (staff initials)
Inerts	Asphalt & Concrete					
	Brick/Masonry/Tile					
	Dirt					
	Mixed Inerts ¹					
	Stucco, Cement (no wire)					
	Total Inert	A				
Other Materials	Cabinets, Doors, Fixtures, Windows (circle all that apply)					
	Cardboard					
	Carpet					
	Padding/Foam (carpet)					
	Ceiling Tile (acoustic)					
	Drywall (used)					
	Drywall (new, unpainted or scrap)					
	Landscaping (brush, trees, stumps, etc.)					
	Roofing Materials					
	Scrap Metal					
	Unpainted Wood & Pallets					
	Trash					
	Other (describe)					
	Mixed Recyclables ¹	B	x	30% =	C	
	Total Remaining	D			E	
Total D + E = Generated				F		

Notes

- (1) Mixed items must be taken to an approved mixed sorting facility. Multiply B x 0.30 and enter as C. This equals disposal tonnage for mixed sorting.
- (2) Asbestos, hazardous debris, treated wood, contaminated soil and other restricted materials require special handling.

www.sdcounty.ca.gov/dpw/recycling/cdhome.html
6/27/2012

<OVER>

Part 3
Diversion Calculations

Inert Materials Recycling Rate
Using the worksheet in Part 2, fill in the blanks below to determine if the project meets the requirement to reduce inert material debris by 90%.

$$\frac{\text{Diversion \%}}{\text{Total B}} = \frac{100\%}{\text{Total B}}$$

Is the diversion percentage greater than or equal to 90%? If NO, explain why:

Remaining Debris Recycling Rate
Using the worksheet in Part 2, fill in the blanks below to determine if the project meets the requirement to reduce other material debris by 70%.

$$\frac{\text{Diversion}}{\text{Total D}} / \frac{\text{Total F}}{\text{Total F}} = \frac{\text{diversion\%}}{\text{Total F}}$$

Is the diversion percentage greater than or equal to 70%? If NO, explain why:

Total Diversion
Using the worksheet in Part 2, fill in the blanks below to determine the total recycling rate.

$$\frac{\text{Total B + D}}{\text{Total F}} = \frac{\text{diversion\%}}{\text{Total F}}$$

Part 4
Final Plan Submittal and Refund Request

Send completed form and all documentation to: County of San Diego
Solid Waste Planning and Recycling
Attn: C&D Recycling Coordinator
5510 Overland Avenue (B203), Suite 210
M.S. 0350
San Diego, CA 92123

Applicants must submit refund requests within 180 days following issuance of certificate of occupancy. Requests submitted after 180 days will not be eligible for a refund. Refunds will not be issued if all requested information and documentation is not provided. Refunds will be mailed within 30 days following receipt of all proper forms and documentations.

Section A

I certify under penalty of perjury under the laws of the State of California that the information provided in and with this form pertains to construction and demolition debris generated only from the project listed in Part 1, that I have reviewed the accuracy of the information, and that the information is true and correct to the best of my knowledge and belief.

Name _____ Title _____
Signature _____ Date _____

Section B

Complete this part only if the refund check is sent to a different person and address than that listed in Part 1. By signing my name, I hereby direct the C&D refund for this project to be sent to the person listed in Section C below.

Section C

Send refund to: Name _____ Address _____
City _____ State _____ Zip _____

For information on these forms call County of San Diego
Solid Debris Planning and Recycling Section at
(858) 694-2458. To find a list of recycling centers call
1-877-R-1-EARTH (1-877-713-2784) or www.wastefreesd.org

Attachment D: San Diego County Recyclable Material List



Recyclable Materials List

Inerts (90% of these materials should be recycled)

- Asphalt & Concrete
- Brick/Masonry/Tile
- Dirt
- Mixed Inerts (mixed items must be taken to an approved mixed processing facility)

Other Materials (70% of these materials should be recycled)

- Appliances
- Cabinets, Doors, Fixtures, Windows
- Cardboard
- Carpet
- Padding/Foam (carpet)
- Ceiling tile (acoustic)
- Drywall (used)
- Drywall (new, unpainted, or scrap)
- Landscaping (brush, trees, stumps, etc.)
- Mixed Recyclables
- Roofing Materials
- Scrap Metal
- Stucco, Cement (no wire)
- Unpainted Wood & Pallets