



CALL FOR PROJECTS FOR THE NINTH CYCLE OF THE  
*TransNet* ENVIRONMENTAL MITIGATION PROGRAM  
LAND MANAGEMENT GRANT PROGRAM  
THREAT REDUCTION STEWARDSHIP GRANT APPLICATION FORM

***RAREST PLANTS II PROJECT***

Applicant Name: The Chaparral Lands Conservancy (TCLC)  
Address: PO Box 9311, San Diego, CA 92169  
Phone and Email Address: 760 809-9244; director@chaparralconservancy.org  
Carmel Mountain Preserve; Crest Canyon Preserve; Gonzales Canyon Preserve; Sorrento Hills Preserve; Torrey Pines State Natural Reserve Main & Extension  
Name of Property: Extension  
General Location: North coastal City of San Diego  
Jurisdiction: City of San Diego  
Total Acres: \_\_\_\_\_  
Estimated Acres Requiring Management: 5  
Owner(s) of Property: California Department of Parks and Recreation; City of San Diego

Land manager(s) of property (include name(s)): California Department of Parks and Recreation; City of San Diego

**Brief project summary that includes your primary goals and objectives:**

The Rarest Plants Project II addresses three high-priority MSP plants: Orcutt's spineflower (SL); short-leaved dudleya (SP), and Orcutt's brodiaea (SO) and includes several elements:

- Seed bulking for all three species.
- Control of invasive weeds for all three species.
- Establishment of one new Orcutt's spineflower occurrence.
- Supplementation of population numbers and stewardship management to maintain approximately sixteen extant occurrences of Orcutt's spineflower and one extant occurrence each of short-leaved dudleya and Orcutt's brodiaea.
- Renewing permits for Project work.

**Quantify Expected Results**

- Approximately 25,000 bulked seeds for three MSP plants: Orcutt's spineflower; short-leaved dudleya; and Orcutt's brodiaea.
- Weed control as needed.
- GIS mapping as needed.
- One new Orcutt's spineflower occurrence on Carmel Mountain Preserve to replicate nearby occurrences at Sorrento Hills Preserve.
- Maintain sixteen extant Orcutt's spineflower occurrences as needed.
- Supplement and maintain one extant short-leaved dudleya occurrence at Torrey Pines State Natural Reserve Extension.

- Supplement and maintain one extant Orcutt’s brodiaea occurrence at the Carmel Mountain Preserve.
- Renewed entry and agency permits as needed.
- Quantitative monitoring of project goals and objectives.
- Approximately 500 feet of fencing.
- Approximately 30 closure signs.

**Brief description of dedicated staff and/or consultants that would work on Project:** TLC Director David Hogan will serve as project manager. Qualified consultants will be selected through requests for proposals.

**Funding Needs Summary**

Please indicate how much funding is being requested from SANDAG.

<b>Budget Item</b>	<b>Requested Funding Amount</b>	<b>Description</b>
Personnel Expenses Staff	<b>\$34,116</b>	Includes staff time for non-administrative work on the project
Personnel Administrative Expenses	<b>\$1,846</b>	Includes all staff time to administer the contract
Consultant Expenses	<b>\$33,000</b>	Includes all costs for consultant services
Other Direct Expenses	<b>\$3,400</b>	Includes all equipment, supplies, mileage, etc.
Indirect Costs	<b>\$7,636</b>	All indirect charges (e.g., overhead) on the project, if any.
<b>Totals</b>	<b>\$79,998</b>	

**PROJECT PROPOSAL**

**A. Project Purpose**

1. The proposed project addresses a high-priority Management Strategic Plan (MSP) species and their habitats. Refer to the MSP for Conserved Lands in Western San Diego County.

The Rarest Plants Project II addresses three high-priority MSP plants: Orcutt’s spineflower (SL); short-leaved dudleya (SP), and Orcutt’s brodiaea (SO) and includes several elements:

- Seed bulking for all three species.
- Control of invasive weeds for all three species.
- Establishment of one new Orcutt’s spineflower occurrence.
- Supplementation of population numbers and stewardship management to maintain approximately sixteen extant occurrences of Orcutt’s spineflower and one extant occurrence each of short-leaved dudleya and Orcutt’s brodiaea.
- Renewing permits for Project work.

All three MSP plants are in need of conservation management in the areas addressed by the Project. Relatively small and vulnerable occurrences of Orcutt’s spineflower at the Sorrento Hills Preserve in Carmel Valley would benefit from seed bulking and replication at a new occurrence in suitable habitat on the nearby Carmel Mountain Preserve. (Other Orcutt’s spineflower occurrences at the Crest Canyon Preserve, Gonzales Canyon Preserve, and

Torrey Pines State Natural Reserve are either large enough or have already been replicated to provide relative security in population numbers.) Conditions for a single small occurrence of short-leaved dudleya at the Torrey Pines State Natural Reserve have improved with fencing and signing from a past EMP grant. But the occurrence still suffers from trampling by visitors so seed bulking, supplementation of population numbers at the extant occurrence, and replication at a new occurrence in nearby suitable habitat would increase the likelihood of persistence of this occurrence. And a single, small occurrence of Orcutt's brodiaea at the Carmel Mountain Preserve has suffered significant impacts from unauthorized recreation – youths have excavated holes and heavily trampled a wet meadow for pellet gun war games – and requires habitat repair and seed bulking supplementation of population numbers to reverse this damage.

Occurrences of all three species are in need of various levels of weed control with occurrences of Orcutt's spineflower at the Torrey Pines State Natural Reserve Extension and Orcutt's brodiaea at the Carmel Mountain Preserve experiencing the greatest need. (A previous EMP grant is addressing pressing invasive weed problems threatening Orcutt's spineflower and other MSP species at the Crest Canyon Preserve.)

Occurrences of all three species are also in need of various level of access control for preserve visitors including fencing and installation of closure signs. Areas with the greatest need include the Carmel Mountain Preserve for the planned new Orcutt's spineflower occurrence and supplemented Orcutt's brodiaea occurrence, on the Crest Canyon Preserve for extant Orcutt's spineflower and short-leaved dudleya occurrences, and on the Torrey Pines State Natural Reserve Extension for Orcutt's spineflower occurrences. (A previous EMP grant provided fencing and signs to protect some MSP plant occurrences at these and other preserves but more is needed for other occurrences of the MSP plants addressed by this Project.)

2. The proposed project will address an urgent need and includes actions that will reduce or manage an identified threat.

The Project will effectively address urgent threats to all three species: Low population numbers; invasive weeds; and trampling and other habitat damage.

3. Success criteria have been identified and will be monitored and reported.

The Project includes clear deliverables and results will be monitored and reported to SANDAG, preserve owners, and permitting agencies.

4. Success of the proposed project is likely with clear, measurable, proven results that will promote conservation.

The Project is likely to successfully promote conservation of the three MSP plants as it includes effective management actions that will result in clear deliverables.

5. Any activities necessary to maintain the proposed project after the 18-month grant period have been identified and funding for those activities has been secured. Please explain what source of funding (if any) has been used to fund this activity in the past and what kind of funding is available to support this work in the future (if needed).

Project activities are specific to the conservation needs of particular MSP plants and should not require continuing maintenance aside from normal ongoing general preserve management already provided by preserve managers.

6. To be eligible for funding, the proposed project must be on lands conserved for native habitat within the MSP area. Where is the project located? (*Attach a map*)

The Project is located on lands conserved for native habitat owned by the California Department of Parks and Recreation and City of San Diego at the Carmel Mountain Preserve, Crest Canyon Preserve, Gonzales Canyon Preserve, Sorrento Hills Preserve, and Torrey Pines State Natural Reserve Main and Extension.

**B. Scope of Work by Task**

**Exhibit A – Proposed Project Scope of Work**

<b>Task No.</b>	<b>Task Name</b>	<b>Task Description</b>	<b>Quantifiable Results / Deliverables</b>
<b>1</b>	<b>Manage &amp; Protect MSP Species</b>		
<b>1a</b>	Seed Bulking for MSP Plant Species	Retain qualified contractors to bulk seed for MSP SL plants Orcutt’s spineflower and short-leaved dudleya and MSP SO plant Orcutt’s brodiaea with seed collection and propagation.	<ul style="list-style-type: none"> <li>• Approximately 25,000 seeds for three MSP plants: Orcutt’s spineflower; short-leaved dudleya; and Orcutt’s brodiaea</li> </ul>
<b>1b</b>	Weed Control	Retain qualified herbicide applicators to conduct weed control.	<ul style="list-style-type: none"> <li>• Weed control as needed</li> </ul>
<b>1c</b>	GIS Work	Retain qualified GIS consultant to conduct GIS mapping as needed for planning and permitting.	<ul style="list-style-type: none"> <li>• GIS mapping as needed</li> </ul>
<b>1d</b>	Establish New MSP Plant Occurrence	Conduct work to establish new occurrence of MSP SL plant Orcutt’s spineflower including seeding, supplemental watering, and vegetation trimming.	<ul style="list-style-type: none"> <li>• One new Orcutt’s spineflower occurrence on Carmel Mountain Preserve to replicate nearby occurrences at Sorrento Hills Preserve</li> </ul>
<b>1e</b>	Supplement & Maintain Extant MSP Plant Occurrences	Conduct work to maintain extant occurrences of MSP SL plants Orcutt’s spineflower and short-leaved dudleya and MSP SO plant Orcutt’s brodiaea including removal of accumulated weed thatch for Orcutt’s brodiaea, seeding short-leaved dudleya and Orcutt’s brodiaea, supplemental watering for Orcutt’s spineflower, short-leaved dudleya, and Orcutt’s brodiaea, and vegetation trimming for Orcutt’s spineflower.	<ul style="list-style-type: none"> <li>• Maintain sixteen extant Orcutt’s spineflower occurrences as needed at Crest Canyon Preserve, Gonzales Canyon Preserve, Sorrento Hills Preserve, and Torrey Pines State Natural Reserve Extension</li> <li>• Supplement and maintain one extant short-leaved dudleya occurrence at Torrey Pines State Natural Reserve Extension</li> <li>• Supplement and maintain one extant Orcutt’s brodiaea occurrence at the Carmel Mountain Preserve</li> </ul>
<b>1f</b>	Renew Permits	Renew entry and agency permits as needed and required.	<ul style="list-style-type: none"> <li>• Renewed entry and agency permits as needed</li> </ul>
<b>1g</b>	Monitor Results	Conduct surveys to monitor implementation of project objectives.	<ul style="list-style-type: none"> <li>• Quantitative monitoring of project goals and objectives</li> </ul>

Task No.	Task Name	Task Description	Quantifiable Results / Deliverables
1h	Project Management Staff	Oversee and manage contractors and otherwise implement Task 1 Manage & Protect MSP Species including obtaining or renewing permits, preparing contracts, retaining and overseeing contractors, establishing, supplementing, and maintaining new and extant MSP plant occurrences, installing fencing and closure signs, and monitoring results.	<ul style="list-style-type: none"> <li>• Results are same as Tasks 1a – 1g &amp; 1j – 1l</li> <li>• Approximately 568 hours</li> </ul>
1i	Project Management Travel	All Project-related travel by Project Management Staff.	<ul style="list-style-type: none"> <li>• Results are same as Tasks 1a – 1g &amp; 1j – 1l</li> <li>• Approximately 917 miles</li> </ul>
1j	Fencing	Install fencing along trails as needed to protect MSP plant occurrences.	<ul style="list-style-type: none"> <li>• Approximately 500 feet of fencing</li> </ul>
1k	Closure Signs	Install closure signs along trails as needed to protect MSP plant occurrences.	<ul style="list-style-type: none"> <li>• Approximately 30 closure signs</li> </ul>
1l	Tool Rental	Rent hammerdrill (for fencing) or other tools as needed.	<ul style="list-style-type: none"> <li>• Tool rental as needed</li> </ul>
2	<b>Grant Reporting &amp; Administration</b>		
2a	Grant Reporting & Administration Staff	Implement all aspects of Task 2 Grant Reporting & Administration including preparation of grant contract, managing implementation of grant contract; tracking and recording expenses; preparing project invoices; and preparing quarterly and final reports.	<ul style="list-style-type: none"> <li>• 6 quarterly grant invoices</li> <li>• 5 quarterly grant reports</li> <li>• 1 one final grant report</li> <li>• Approximately 30 hours</li> </ul>

C. Budget by Task

**Exhibit B – Proposed Project Budget**

*Rarest Plants II Project*

Task #	Task Name	Grant Request
<b>1</b>	<b>Manage &amp; Protect MSP Species</b>	
	<b>Contractors</b>	
1a	Seed Bulking for MSP Plant Species	\$ 25,000.00
1b	Weed Control	\$ 7,000.00
1c	GIS Work	\$ 1,000.00
	<b>Staff</b>	
1d	Establish New MSP Plant Occurrence	
1e	Supplement & Maintain Extant MSP Plant Occurrences	
1f	Renew Permits	
1g	Monitor Results	
1h	Project Management Staff	\$ 34,116.00
1i	Project Management Travel	\$ 500.00
1j	Fencing	\$ 2,000.00
1k	Closure Signs	\$ 600.00
1l	Tool Rental	\$ 300.00
<b>2</b>	<b>Grant Reporting &amp; Administration</b>	
2a	Grant Reporting & Administration Staff	\$ 1,846.00
	<b>Subtotal</b>	<b>\$ 72,362.00</b>
	<b>Indirect Costs (19.7%)<sup>1</sup></b>	<b>\$ 7,636.00</b>
	<b>TOTAL</b>	<b>\$ 79,998.00</b>

1. Indirect cost percentage rate is not applied to contractor costs. Indirect cost percentage rate is based on TCLC FY 2017 actual indirect costs in accordance with SANDAG procedures for calculating indirect costs.

D. Project Schedule

**Exhibit C – Proposed Project Schedule**

(Assumes Fall 2018 Notice to Proceed)

Task No.	Task Name	Proposed Start Date	Months Needed to Complete Task	Task End Date
<b>1</b>	<b>Manage &amp; Protect MSP Species</b>			
<b>1a</b>	Seed Bulking for MSP Plant Species	NTP	18 Months	03/31/2020
<b>1b</b>	Weed Control	NTP	18 Months	03/31/2020
<b>1c</b>	GIS Work	NTP	18 Months	03/31/2020
<b>1d</b>	Establish New MSP Plant Occurrence	NTP	18 Months	03/31/2020
<b>1e</b>	Supplement & Maintain Extant MSP Plant Occurrences	NTP	18 Months	03/31/2020
<b>1f</b>	Renew Permits	NTP	18 Months	03/31/2020
<b>1g</b>	Monitor Results	NTP	18 Months	03/31/2020
<b>1h</b>	Project Management Staff	NTP	18 Months	03/31/2020
<b>1i</b>	Project Management Travel	NTP	18 Months	03/31/2020
<b>1j</b>	Fencing	NTP	18 Months	03/31/2020
<b>1k</b>	Closure Signs	NTP	18 Months	03/31/2020
<b>1l</b>	Tool Rental	NTP	18 Months	03/31/2020
<b>2</b>	<b>Grant Reporting &amp; Administration</b>			
<b>2a</b>	Grant Reporting & Administration Staff	NTP	18 Months	03/31/2020

\* Successful seed collection, seeding, and planting are dependent on average or above average rainfall in the 2018/2019 and 2019/2020 wet seasons. In the event of below average rainfall in either wet season, seed collection, seeding, and/or planting may be delayed until the following wet season or results may be impaired and may reduce Project deliverables.

**NOTICE REGARDING PREVAILING WAGES**

SANDAG’s EMP Land Management Grant Program projects are funded with *TransNet* revenues consistent with the *TransNet* Extension Ordinance adopted by the voters in November 2004 (SANDAG Ordinance 04-01). Although SANDAG Ordinance 04-01 does not require payment of prevailing wages, California law may require that public works projects pay prevailing wages for workers.

Applicant acknowledges that SANDAG has strongly encouraged Applicant to seek legal counsel regarding whether the Proposed Project will require applicant to pay prevailing wages and agrees that SANDAG will have no liability for conducting this analysis.  Yes  No

Applicant acknowledges that if awarded an EMP Land Management Grant, the grant agreement between SANDAG and the grantee requires grantee’s compliance with all federal, state and local laws and ordinances applicable to the Agreement.

Yes  No

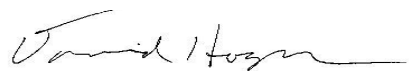
## REQUIRED STATEMENTS FROM APPLICANT

- Yes  No The applicant has read and understands the Sample Grant Agreement (Agreement) and Invoice Template (Attachment 4).
- Yes  No If the SANDAG Board of Directors approves the proposed project proposal, the proposed applicant agrees to sign and return the Agreement to SANDAG, without exceptions or amendments, within 45 days of receipt.
- Yes  No The applicant agrees to comply with SANDAG's Board Policy No. 035, Competitive Grant Program Procedures, which outlines "Use-it-or-lose-it" project milestone and completion deadlines. Board Policy No. 035 is included in the Agreement, and also is on SANDAG's website at the following link: [sandag.org/organization/about/pubs/policy\\_035.pdf](http://sandag.org/organization/about/pubs/policy_035.pdf)
- Yes  No The applicant understands that 10 percent of all invoices will be retained until the completion of the proposed project.
- Yes  No The applicant understands that for proposed projects with matching funds, retention will be withheld beyond the 10 percent retention for each invoice submittal that does not meet the proportionate matching funds requirement. These additional matching funds will not be released until proportionate matching funds are reached for the project to-date.
- Yes  No The applicant understands that all invoices must be accompanied by written, documented support of the charges for requested reimbursement of grant funds and payment will not be made by SANDAG until all documents are satisfactorily submitted.
- Yes  No The applicant understands that invoices and reports must be submitted on a quarterly basis within three weeks after the period covering January 1 to March 31; within three weeks after the period covering April 1 to June 30; within three weeks after the period covering July 1 to September 30; and within three weeks after the period covering October 1 to December 31.
- Yes  No The applicant understands that the EMP quarterly report template (to be sent to the grantee after NTP is issued) must be used to document quarterly progress and that invoices with errors will be returned to the grantee for correction prior to being processed by SANDAG staff.
- Yes  No The applicant understands that the final invoice must be accompanied by written, documented support of the charges for requested reimbursement of grant funds; a final report (prepared in accordance with the final report template to be sent to grantee after NTP is issued); and all outstanding deliverables in order to receive final payment and have retained funds released.
- Yes  No The applicant understands that to be considered eligible for funding, a resolution complying with the requirements of Board Policy No. 035, Section 4.1, must be submitted to SANDAG at least *two weeks* prior to the recommendation by the Regional Planning Committee of the list of prioritized project proposals. SANDAG will provide applicants with advance notice of the Regional Planning Committee's anticipated meeting date.
- Yes  No The applicant agrees to submit all project data/information to SANDAG in a format compatible with the regional management database.

**I have the authorization to submit this proposal (Grant Application Form and required supplementary materials) on behalf of my organization.**

David Hogan, Executive Director

Applicant Name/Title (print or type)



01/12/2018

Applicant Signature

Date

## Legend

### Preserve Boundaries

- Private
- City
- Home Owners Association
- Non-Profit
- State
- County DPR
- Special District
- County Other
- Federal
- Joint
- Other



**The Chaparral Lands Conservancy**  
**RAREST PLANTS II PROJECT LOCATIONS**